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

BATAVIA SELF-STORAGE PROJECT

CITY OF ORANGE, CALIFORNIA

LSA

April 2023

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CITY OF ORANGE, CALIFORNIA

Submitted to:

EPD Solutions, Inc.
2355 Main Street, Suite 100
Irvine, California 92614

Prepared by:

LSA
3210 El Camino Real, Suite 100
Irvine, California 92602
949.553.0666

Project No. ESL2201.60

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LIST OF ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m^3	micrograms per cubic meter
AAQS	ambient air quality standards
AB	Assembly Bill
AQMP	Air Quality Management Plan
Basin	South Coast Air Basin
BTU	British thermal units
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	Corporate Average Fuel Economy
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen Code	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CARB	California Air Resources Board
CAT	Climate Action Team
CBC	California Building Code
CBSC	California Building Standards Commission
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	methane
City	City of Orange
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
County	County of Orange

CPUC	California Public Utilities Commission
DPM	diesel particulate matter
EIA	Energy Information Administration
EIR	Environmental Impact Report
EMFAC	California Emissions Factor Model
EO	Executive Order
GHG	greenhouse gas
GWh	gigawatt-hour
GWP	global warming potential
HFCs	hydrofluorocarbons
HI	Hazard Index
HRA	Health Risk Assessment
IPCC	Intergovernmental Panel on Climate Change
kWh	kilowatt-hour
lbs/day	pounds per day
LCFS	Low Carbon Fuel Standard
LST	localized significance threshold
MEI	maximally exposed individual
mg/m^3	milligrams per cubic meter
MICR	maximum individual cancer risk
MMT	million metric tons
MMT CO_2e	million metric tons of carbon dioxide equivalent
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MT	metric tons
MT CO_2e	metric tons of carbon dioxide equivalent
MT CO_2e/yr	metric tons of carbon dioxide equivalent per year
MW	megawatt
N_2O	nitrous oxide
NAAQS	National Ambient Air Quality Standards

NHTSA	National Highway Traffic Safety Administration
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone (or smog)
OEHHA	Office of Environmental Health Hazard Assessment
OPR	Governor's Office of Planning and Research
PFCs	perfluorocarbons
PM	particulate matter
$PM_{2.5}$	particulate matter less than 2.5 microns in size
PM_{10}	particulate matter less than 10 microns in size
ppb	parts per billion
ppm	parts per million
PRC	Public Resources Code
project	Batavia Self-Storage Project
RCP	Regional Comprehensive Plan
ROCs	reactive organic compounds
ROGs	reactive organic gases
RPS	Renewables Portfolio Standard
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCS	Sustainable Communities Strategy
SF_6	sulfur hexafluoride
SO_2	sulfur dioxide
SO_X	sulfur oxides
SoCalGas	Southern California Gas Company
sq ft	square foot/feet

sq mi	square mile
SRA	Source Receptor Area
TAC	toxic air contaminant
UNFCCC	United Nations Framework Convention on Climate Change
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOCs	volatile organic compounds
ZEV	zero-emission vehicle
ZNE	zero net energy

INTRODUCTION

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

PROJECT LOCATION AND DESCRIPTION

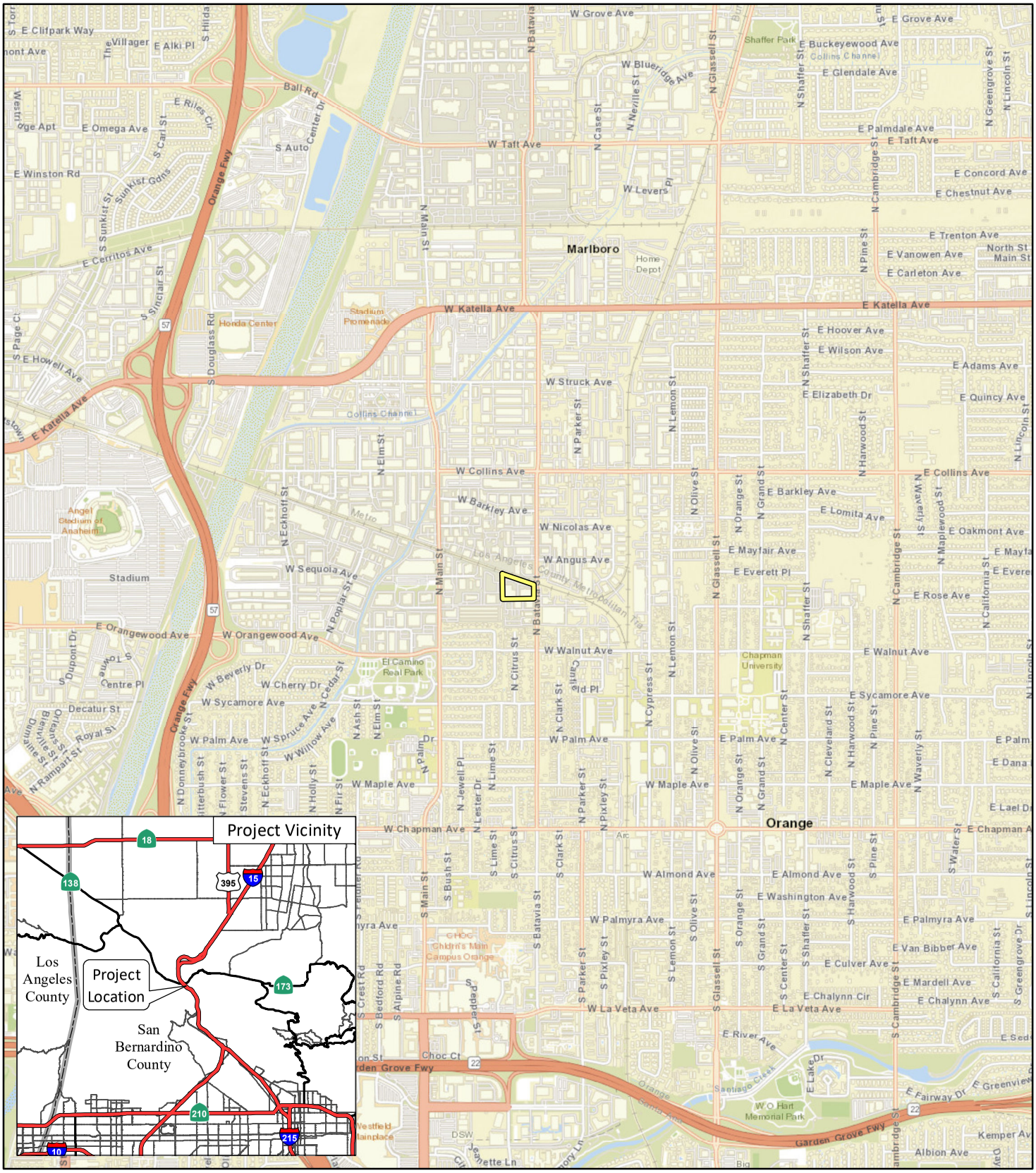
The 3.06-acre project site is located at 630 North Batavia Street in the City of Orange, Orange County, California. The project site is currently developed with two light manufacturing buildings totaling approximately 47,932 square feet (sq ft). Local access to the project site is provided via North Batavia Street. See Figure 1, Regional Project Location, and Figure 2, Site Plan, below.

The project proposes the demolition of the two existing on-site buildings and associated structures to construct three new self-storage buildings totaling 133,378 sq ft. The project would dedicate approximately 10.1 percent of the total project site area to landscaping, which is approximately 13,338 sq ft of landscape. The proposed project would also include 51 parking spaces. As described in the *Vehicles Miles Traveled (VMT) Screening Analysis,*[2] the proposed project would generate approximately 193 average daily trips. In addition, the proposed project would be all-electric, and no natural gas demand is anticipated during construction or operation of the proposed project.

Construction is anticipated to begin in the fourth quarter of 2023 and would be completed in 13 months. The proposed project would require the import of approximately 9,155 cubic yards of soil. Construction activities for the project include demolition, grading and excavation, site preparation, building construction, landscape installation, paving, and architectural coatings. In addition, the construction equipment would utilize Tier 3 engines. Other construction details are not yet known.

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

2 Environment Planning Development Solutions, Inc. 2023. *Vehicle Miles Traveled (VMT) Screening Analysis for the 630 N. Batavia Self-Storage Development Project*. February 20.



LSA

LEGEND

Project Location

FIGURE 1

N

0 1000 2000

FEET

SOURCE: ESRI 2023

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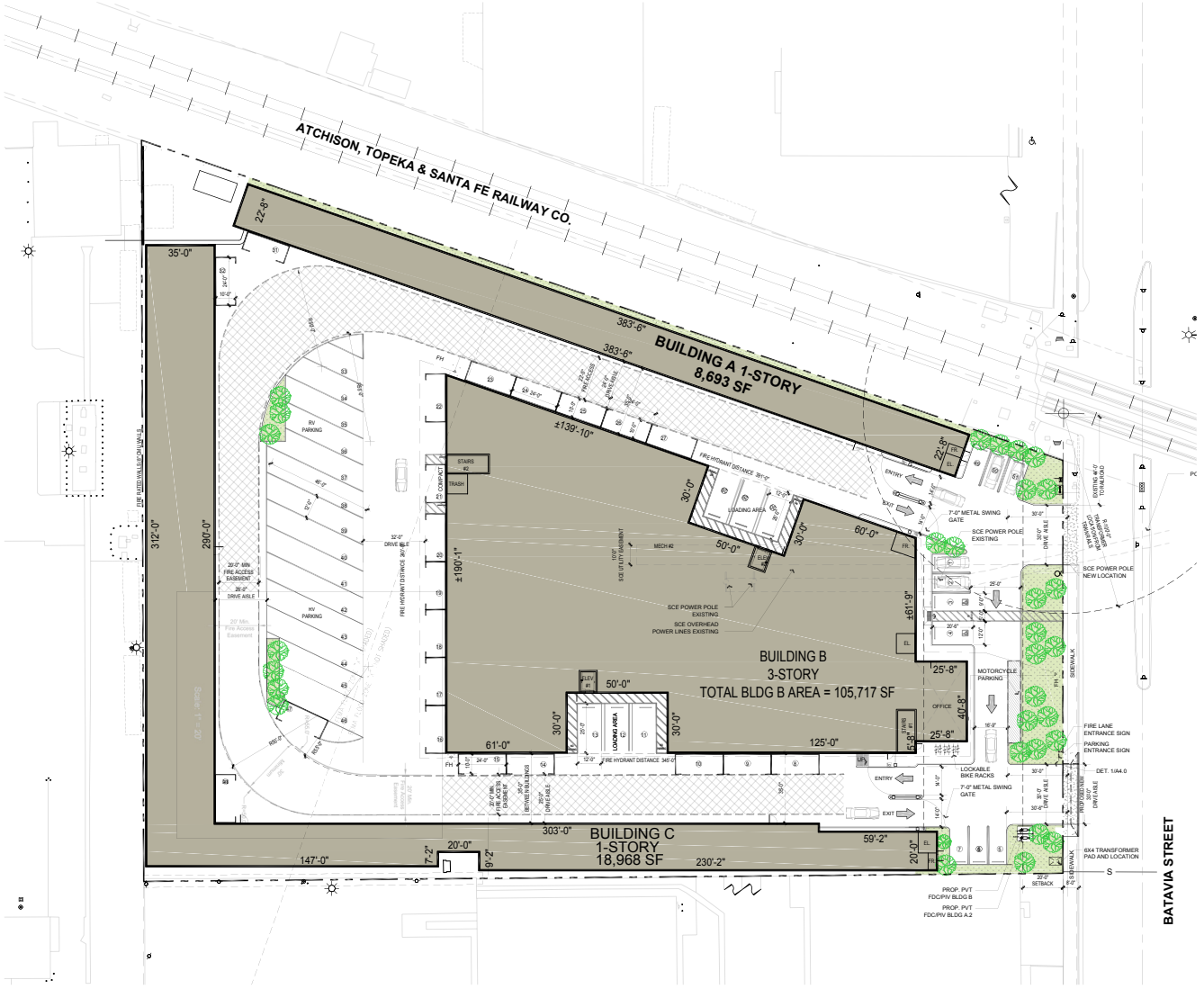
630 Batavia Self-Storage Project

Regional and Project Location



BUILDING A, B & C
1" = 30' (1)

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FIGURE 2

0 40 80
FEET

SOURCE: Jordan Architects

630 Batavia Self-Storage Project

Site Plan

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EXISTING LAND USES IN THE PROJECT AREA

For the purposes of this analysis, sensitive receptors are areas of population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, daycare centers, hospitals, parks, and similar uses which are sensitive to air quality. Impacts on sensitive receptors are of particular concern because they are the population most vulnerable to the effects of air pollution. The project site is surrounded by existing industrial land uses to the south and west, industrial land uses to the north opposite the existing ATSF Railway, and existing industrial uses to the east opposite Batavia Street. The closest sensitive uses are single-family and multi-family residences to the south approximately 330 feet away. In addition, the closest school receptor is Sycamore Elementary School, located approximaltey 1,830 feet southwest of the project site, and the closest worker receptors surround the project site boundary to the north, east, south, and west.

BACKGROUND

This section provides current background information on air pollutants and their health effects. It also provides current regulatory background information, including information from the California Air Resources Board's (CARB) Air Quality and Land Use Handbook[3] (CARB Handbook); a description of the general health risks of toxics, and the significance criteria for project evaluation. In addition, this section provides background information on energy usage in the project area and provides regulatory background information, including federal, State, and local energy regulations.

AIR POLLUTANTS AND HEALTH EFFECTS

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

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

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

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

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

are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise.

Ozone

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

Carbon Monoxide

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

Particulate Matter

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

Nitrogen Dioxide

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

Sulfur Dioxide

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

Lead

Leaded gasoline (phased out in the United States beginning in 1973), paint (on older houses and cars), smelters (metal refineries), and the manufacture of lead storage batteries have been the primary sources of lead (Pb) released into the atmosphere. Lead has multiple adverse neurotoxic health effects, and children are at special risk. Some lead-containing chemicals cause cancer in animals. Lead levels in the air have decreased substantially since leaded gasoline was eliminated. Ambient lead concentrations are only monitored on an as-warranted, site-specific basis in California. On October 15, 2008, the United States Environmental Protection Agency (USEPA) strengthened the NAAQS for lead by lowering it from 1.5 to 0.15 micrograms per cubic meter ($\mu g/m^3$). The USEPA revised the monitoring requirements for lead in December 2010. These requirements focus on airports and large urban areas, resulting in an increase in 76 monitors nationally.

Volatile Organic Compounds

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

Toxic Air Contaminants

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

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

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

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

Although not specifically monitored, recent studies indicate that exposure to DPM may contribute significantly to a cancer risk (a risk of approximately 500 to 700 in 1,000,000) that is greater than all other measured TACs combined.[6] The technology for reducing DPM emissions from heavy-duty trucks is well established, and both State and federal agencies are moving aggressively to regulate engines and emission control systems to reduce and remediate diesel emissions. The CARB anticipated that by 2020, average statewide DPM concentrations will decrease by 85 percent from levels in 2000 with full implementation of the CARB's Diesel Risk Reduction Plan,[7] meaning that the statewide health risk from DPM is expected to decrease from 540 cancer cases in 1,000,000 to 21.5 cancer cases in 1,000,000. The CARB 2000 Diesel Risk Reduction Plan is still the most recent version and has not been updated.

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

Table A: Sources and Health Effects of Air Pollutants

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

Source: California Air Resources Board (2015).

6 Ibid.

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

Table B: Federal and State Ambient Air Quality Standards

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

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

Table notes are provided on the following page.

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

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

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

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

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

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

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

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

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

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

[k] On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

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

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

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

°C = degrees Celsius
µg/m3 = micrograms per cubic meter
CARB = California Air Resources Board
mg/m3 = milligrams per cubic meter
ppb = parts per billion
ppm = parts per million
USEPA = United States Environmental Protection Agency

ENERGY

Electricity

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

According to the most recent data available, in 2020, California's electricity was generated primarily by natural gas (37.06 percent), renewable sources (33.09 percent), large hydroelectric (12.21 percent), nuclear (9.33 percent), coal (2.74 percent), and other and unspecified sources. Total electric generation in California in 2020 was 272,576 gigawatt-hours (GWh), down 2 percent from the 2019 total generation of 277,704 GWh.[8]

The project site is within the service territory of Southern California Edison (SCE). SCE provides electricity to more than 15 million people in a 50,000-square-mile (sq mi) area of Central, Coastal, and Southern California.[9] According to the California Energy Commission (CEC), total electricity consumption in the SCE service area in 2021 was 103,045 GWh (36,375 GWh for the residential sector and 51,057 GWh for the non-residential sector). Total electricity consumption in Orange County in 2021 was 18,931.8 GWh (18,931,838,624 kilowatt-hours (kWh).[10]

Natural Gas

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

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

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

9 Southern California Edison (SCE). 2020. About Us. Website: https://www.sce.com/about-us/who-we-are (accessed March 2023).

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

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

The Southern California Gas Company (SoCalGas) is the natural gas service provider for the project site. SoCalGas provides natural gas to approximately 21.8 million people in a 24,000 sq mi service area throughout Central and Southern California, from Visalia to the Mexican border.[12] According to the CEC, total natural gas consumption in the SoCalGas service area in 2021 was 6,755 million therms (2,308 million therms for the residential sector). Total natural gas consumption in Orange County in 2021 was 580 million therms (580,187,556 therms).[13]

Fuel

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

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

Gasoline is the most used transportation fuel in California, with 97 percent of all gasoline being consumed by light-duty cars, pickup trucks, and sport utility vehicles. According to the most recent data available, total gasoline consumption in California was 289,918 thousand barrels or 1,464.7 trillion British Thermal Units (BTU) in 2020.[16] Of the total gasoline consumption, 273,289 thousand barrels or 1,380.7 trillion BTU were consumed for transportation.[17] Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately

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

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

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

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

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

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

1,230 million gallons of gasoline and approximately 156 million gallons of diesel will be consumed from vehicle trips in Orange County in 2023.

GREENHOUSE GASES AND GLOBAL CLIMATE CHANGE

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

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

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

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

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality analysis, the term "GHGs" will refer collectively to the six gases listed above.

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

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

Table C: Global Warming Potential of Greenhouse Gases

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

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

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

Carbon Dioxide

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

In 2020, total annual CO_2 accounted for approximately 80.2 percent of California's overall GHG emissions.[19] Transportation is the single largest source of CO_2 in California, which is primarily

[19] CARB. 2022a. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed March 2023).

comprised of on-road travel. Electricity production, industrial and residential sources also make important contributions to CO_2 emissions in California.

Methane

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

Nitrous Oxide

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

Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride

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

Black Carbon

Black carbon is the most strongly light-absorbing component of PM formed by burning fossil fuels such as coal, diesel, and biomass. Black carbon is emitted directly into the atmosphere in the form of $PM_{2.5}$ and is the most effective form of PM, by mass, at absorbing solar energy. Per unit of mass in the atmosphere, black carbon can absorb one million times more energy than CO_2.[24] Black carbon

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20 CARB. 2021. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed March 2023).

21 Ibid.

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

23 CARB. 2021. op. cit.

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

contributes to climate change both directly, such as absorbing sunlight, and indirectly, such as affecting cloud formation. However, because black carbon is short-lived in the atmosphere, it can be difficult to quantify its effect on global warming.

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

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

REGULATORY SETTING

AIR QUALITY REGULATIONS

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

Federal Regulations

Federal Clean Air Act

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

State Regulations

California Clean Air Act

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

California Air Resources Board

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

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

The California Air Resources Board Handbook. The CARB has developed an Air Quality and Land Use Handbook[26] which is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. According to the CARB Handbook, air pollution studies have shown an association between respiratory and other non-cancer health effects and proximity to high traffic roadways. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The CARB Handbook recommends that county and city planning agencies strongly consider proximity to these sources when finding new locations for "sensitive" land uses such as homes, medical facilities, daycare centers, schools, and playgrounds.

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

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

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

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

Regional Regulations

South Coast Air Quality Management District

The SCAQMD has jurisdiction over most air quality matters in the South Coast Air Basin (Basin). This area includes all of Orange County, Los Angeles County except for the Antelope Valley, the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of

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

Riverside County. The SCAQMD is the agency principally responsible for comprehensive air pollution control in the Basin and is tasked with implementing certain programs and regulations required by the CAA and the CCAA. The SCAQMD prepares plans to attain CAAQS and NAAQS. SCAQMD is directly responsible for reducing emissions from stationary (area and point) sources. The SCAQMD develops rules and regulations, establishes permitting requirements, inspects emissions sources, and enforces such measures though educational programs or fines, when necessary.

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

- **Regulation IV - Prohibitions:** This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air pollutant emissions, fuel contaminants, start-up/shutdown exemptions, and breakdown events.
    - **Rule 402 - Nuisance:** This rule restricts the discharge of any contaminant in quantities that cause or have a natural ability to cause injury, damage, nuisance, or annoyance to businesses, property, or the public.
    - **Rule 403 - Fugitive Dust:** This rule requires the prevention, reduction, or mitigation of fugitive dust emissions from a project site. Rule 403 restricts visible fugitive dust to a project property line, restricts the net PM_{10} emissions to less than 50 µg/m^3 and restricts the tracking out of bulk materials onto public roads. Additionally, Rule 403 requires an applicant to utilize one or more of the best available control measures (identified in the tables within the rule). Control measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities. Finally, Rule 403 requires that a contingency plan be prepared if so determined by the USEPA. In addition, SCAQMD Rule 403(e), Additional Requirements for Large Operations, includes requirements to provide Large Operation Notification Form 403 N, appropriate signage, additional dust control measures, and employment of a dust control supervisor that has successfully completed the Dust Control training class in the South Coast Air Basin.
- **Regulation XI - Source Specific Standards:** Regulation XI sets emissions standards for different sources.
    - **Rule 1113 - Architectural Coatings:** This rule limits the amount of VOCs from architectural coatings and solvents, which lowers the emissions of odorous compounds.

The SCAQMD is responsible for demonstrating regional compliance with AAQS but has limited indirect involvement in reducing emissions from fugitive, mobile, and natural sources. To that end, the SCAQMD works cooperatively with the CARB, the Southern California Association of Governments (SCAG), county transportation commissions, local governments, and other federal and State government agencies. It has responded to this requirement by preparing a series of Air Quality Management Plans (AQMPs) to meet CAAQS and NAAQS. SCAQMD and the SCAG are responsible for formulating and implementing the AQMP for the Basin. The main purpose of an AQMP is to bring

the area into compliance with federal and State air quality standards. Every 3 years, SCAQMD prepares a new AQMP, updating the previous plan and 20-year horizon.[27]

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

- Calculating and taking credit for co-benefits from other planning efforts (e.g., climate, energy, and transportation)
- A strategy with fair-share emission reductions at the federal, State, and local levels
- Investment in strategies and technologies meeting multiple air quality objectives
- Seeking new partnerships and significant funding for incentives to accelerate deployment of zero-emission and near-zero emission technologies
- Enhanced socioeconomic assessment, including an expanded environmental justice analysis
- Attainment of the 24-hour $PM_{2.5}$ standard in 2019 with no additional measures
- Attainment of the annual $PM_{2.5}$ standard by 2025 with implementation of a portion of the O_3 strategy
- Attainment of the 1-hour O_3 standard by 2022 with no reliance on "black box" future technology (CAA Section 182(e)(5) measures)

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

Southern California Association of Governments

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

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

quality forecasts and consistency analysis included in the AQMP. The RTP, RTIP, and AQMP are based on projections originating within local jurisdictions.

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

SCAG adopted the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (Connect SoCal) on September 3, 2020. Connect SoCal is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. Connect SoCal is an important planning document for the region, allowing project sponsors to qualify for federal funding and takes into account operations and maintenance costs, to ensure reliability, longevity, and cost effectiveness. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in Connect SoCal, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels).

Local Regulations

City of Orange General Plan 2010

The City of Orange addresses air quality in the Natural Resources Element of the City of Orange General Plan 2010.[28] The General Plan contains goals and policies that work to protect air, water, and energy resources from pollution and overuse. The following policies are applicable to the proposed project:

- Cooperate with the South Coast Air Quality Management District (SCAQMD) and other regional agencies to implement and enforce regional air quality management plans.
- Support alternative transportation modes, alternative technologies, and bicycle and pedestrian-friendly neighborhoods to reduce emissions related to vehicle travel.
- Encourage sustainable building and site designs for new construction and renovation projects.
- Encourage development that incorporates pedestrian and transit-oriented design and landscape elements.

[28] City of Orange. 2010. *Orange General Plan*, Natural Resources Element. March.

ENERGY REGULATORY SETTING

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

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

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

Federal Regulations

Energy Policy Act of 2005

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

Corporate Average Fuel Economy (CAFE) Standards

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

State Regulations

Assembly Bill 1575, Warren-Alquist Act

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

Senate Bill 1389, Energy: Planning and Forecasting

In 2002, the State Legislature passed Senate Bill (SB) 1389, which required the CEC to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the California Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for zero emission vehicles (ZEVs) and their infrastructure needs, and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

In compliance with the requirements of SB 1389, the CEC adopts an Integrated Energy Policy Report every 2 years and an update every other year. The most recently adopted report includes the *2021 Integrated Energy Policy Report*[29] and the *2022 Integrated Energy Policy Report Update.*[30] The *Integrated Energy Policy Report* covers a broad range of topics, including decarbonizing buildings, integrating renewables, energy efficiency, energy equity, integrating renewable energy, updates on Southern California electricity reliability, climate adaptation activities for the energy sector, natural gas assessment, transportation energy demand forecast, and the California Energy Demand Forecast. The *Integrated Energy Policy Report* provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to

[29] CEC. 2021b. *2021 Integrated Energy Policy Report*. California Energy Commission. Docket Number: 21-IEPR-01.

[30] CEC. 2022. *2020 Integrated Energy Policy Report Update*. California Energy Commission. Docket Number: 22-IEPR-01.

meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs.

Renewable Portfolio Standard

SB 1078 established the California Renewable Portfolio Standards program in 2002. SB 1078 initially required that 20 percent of electricity retail sales be served by renewable resources by 2017; however, this standard has become more stringent over time. In 2006, SB 107 accelerated the standard by requiring that the 20 percent mandate be met by 2010. In April 2011, SB 2 required that 33 percent of electricity retail sales be served by renewable resources by 2020. In 2015, SB 350 established tiered increases to the Renewable Portfolio Standards of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. In 2018, SB 100 increased the requirement to 60 percent by 2030 and required that all the State's electricity come from carbon-free resources by 2045. SB 100 took effect on January 1, 2019.[31]

Title 24, California Building Code

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

California Green Building Standards Code (CALGreen Code)

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

[31] California Public Utilities Commission (CPUC). 2019. Renewables Portfolio Standard Program. Website: cpuc.ca.gov/rps (accessed March 2023).

California Energy Efficiency Strategic Plan

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

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

Regional Regulations

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

Local Regulations

City of Orange General Plan Update 2010

The City of Orange addresses energy in the Natural Resources Element of the City of Orange General Plan 2010.[32] The General Plan contains goals and policies that work to protect air, water, and energy resources from pollution and overuse. The following policies are applicable to the proposed project:

- Coordinate with energy suppliers to ensure adequate energy supplies to meet the community needs, and promote energy conservation and public education programs for that purpose.
- Promote City operations as a model for energy efficiency and green building.
- Educate City residents and businesses on the effects of urban runoff, and water and energy conservation strategies.

GREENHOUSE GAS REGULATORY SETTING

This section describes regulations related to GHGs at the federal, State, and local level.

Federal Regulations

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

[32] City of Orange. 2010. op. cit.

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

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

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

State Regulations

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

Assembly Bill 1493 (2002)

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

Executive Order S-3-05 (2005)

Governor Arnold Schwarzenegger signed Executive Order (EO) S-3-05 on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. To combat those

concerns, the executive order established California's GHG emissions reduction targets, which established the following goals:

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

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

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

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

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

- Improved emissions standards for light-duty vehicles (estimated reductions of 31.7 MMT CO_2e);
- The Low-Carbon Fuel Standard (15.0 MMT CO_2e);

- Energy efficiency measures in buildings and appliances and the widespread development of combined heat and power systems (26.3 MMT CO_2e); and

- A renewable portfolio standard for electricity production (21.3 MMT CO_2e).

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

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

CARB has not yet determined what amount of GHG reductions it recommends from local government operations and local land use decisions; however, the Scoping Plan states that land use planning and urban growth decisions will play an important role in the State's GHG reductions because local governments have primary authority to plan, zone, approve, and permit how land is developed to accommodate population growth and the changing needs of their jurisdictions (meanwhile, CARB is also developing an additional protocol for community emissions). CARB further acknowledges that decisions on how land is used will have large impacts on the GHG emissions that would result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas emission sectors. The Scoping Plan states that the ultimate GHG reduction assignment to local government operations is to be determined. With regard to land use planning, the Scoping Plan expects an approximately 5.0 MMT CO_2e reduction due to implementation of SB 375.

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

In June 2007, the CARB approved a list of 37 early action measures, including three discrete early action measures (LCFS, Restrictions on GWP Refrigerants, and Landfill CH_4 Capture).[33] Discrete early action measures are measures that were required to be adopted as regulations and made effective

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

no later than January 1, 2010, the date established by Health and Safety Code Section 38560.5. The CARB adopted additional early action measures in October 2007 that tripled the number of discrete early action measures. These measures relate to truck efficiency, port electrification, reduction of PFCs from the semiconductor industry, reduction of propellants in consumer products, proper tire inflation, and SF_6 reductions from the non-electricity sector. The combination of early action measures is estimated to reduce statewide GHG emissions by nearly 16 MMT.[34]

The CARB approved the First Update to the Climate Change Scoping Plan on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low carbon investments. The First Update defines CARB climate change priorities until 2020, and also sets the groundwork to reach long-term goals set forth in EOs S-3-05 and B-16-2012. The Update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals as defined in the initial Scoping Plan. It also evaluates how to align the State's "longer-term" GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[35] to reflect the 2030 target set by EO B-30-15 and codified by SB 32.

The 2022 Scoping Plan[36] was approved in December 2022 and assesses progress towards achieving the SB 32 2030 target and lay out a path to achieve carbon neutrality no later than 2045. The 2022 Scoping Plan focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities.

Senate Bill 97 (2007)

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

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

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

[35] CARB. 2017a. *California's 2017 Climate Change Scoping Plan*. November.

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

agencies to make use of programmatic mitigation plans and programs when they perform individual project analyses.

Senate Bill 375 (2008)

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

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

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

Source: California Air Resources Board (2018).

Executive Order B-30-15 (2015)

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

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

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

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

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

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

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

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

In summer 2016 the Legislature passed, and the Governor signed, SB 32, and AB 197. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Governor Brown's April 2015 EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an Intergovernmental Panel on Climate Change (IPCC) analysis of the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO_2e and reduce the likelihood of catastrophic impacts from climate change.

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

Senate Bill 100

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

Executive Order B-55-18

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." EO B-55-18 directs CARB to work with relevant State agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon

neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

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

In November 2008, the California Building Standards Commission established the California Green Building Standards Code (CALGreen Code), which sets performance standards for residential and non-residential development to reduce environmental impacts and encourage sustainable construction practices. The CALGreen Code addresses energy efficiency, water conservation, material conservation, planning and design, and overall environmental quality. The CALGreen Code is updated every 3 years and was most recently updated in 2019 to include new mandatory measures for residential as well as non-residential uses; the new measures took effect on January 1, 2020. The next set of standards were adopted in 2022 and will apply to projects seeking building permits on or after January 1, 2023.

California Building Efficiency Standards (Title 24, Part 6)

The California Building Standards Code, or Title 24 of the California Code of Regulations (CCR) contains the regulations that govern the construction of buildings in California. Within the Building Standards Code, two parts pertain to the incorporation of both energy efficient and green building elements into land use development. Part 6 is California's Energy Efficiency Standards for Residential and Non-Residential Buildings. These standards were first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption and are updated on an approximately 3-year cycle to allow consideration and possible incorporation of new energy efficient technologies and methods. All buildings for which an application for a building permit is submitted on or after January 1, 2020, must follow the 2019 standards. The next set of standards were adopted in 2022 and will apply to projects seeking building permits on or after January 1, 2023. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions.

Cap and Trade

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

compliance obligation began for distributors of transportation fuels, natural gas, and other fuels. The cap-and-trade program was initially slated to sunset in 2020 but the passage of SB 398 in 2017 extended the program through 2030.

Executive Order N-79-20

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

California Integrated Waste Management Act

To minimize the amount of solid waste that must be disposed of in landfills, the State Legislature passed the California Integrated Waste Management Act of 1989 (AB 939), effective January 1990. According to AB 939, all cities and counties were required to divert 25 percent of all solid waste from landfill facilities by January 1, 1995, and 50 percent by January 1, 2000. Through other statutes and regulations, this 50 percent diversion rate also applies to State agencies. In order of priority, waste reduction efforts must promote source reduction, recycling and composting, and environmentally safe transformation and land disposal. In 2011, AB 341 modified the California Integrated Waste Management Act and directed the California Department of Resources Recycling and Recovery (CalRecycle) to develop and adopt regulations for mandatory commercial recycling. The resulting 2012 Mandatory Commercial Recycling Regulation requires that on and after July 1, 2012, certain businesses that generate four cubic yards or more of commercial solid waste per week shall arrange recycling services. To comply with this requirement, businesses may either separate recyclables and self-haul them or subscribe to a recycling service that includes mixed waste processing. AB 341 also established a statewide recycling goal of 75 percent; the 50 percent disposal reduction mandate still applies for cities and counties under AB 939, the Integrated Waste Management Act. In April 2016, AB 1826 further modified the California Integrated Waste Management Act, requiring businesses that generate a specified amount of organic waste per week to arrange for recycling services for that organic waste in a specified manner. If CalRecycle determines that statewide disposal of organic waste has not been reduced by 50 percent below 2014 levels by 2020, businesses generating more than two cubic yards of organic waste per week would be subject to these waste collection requirements. CalRecycle plans to make this assessment in the fall of 2020. Diverting organic waste from landfills reduces emissions of CH_4. This is equivalent to reducing anaerobic decomposition of organic waste that would have otherwise occurred in landfills where organic waste is often buried with other inorganic waste.

Low Carbon Fuel Standard

In January 2007, EO S-01-07 established an LCFS. This executive order calls for a statewide goal to be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020, and that an LCFS for transportation fuels be established for California. The LCFS applies to all refiners, blenders, producers, or importers ("Providers") of transportation fuels in California, including fuels used by off-road construction equipment. In June 2007, CARB adopted the LCFS under AB 32 pursuant to Health and Safety Code Section 38560.5, and, in April 2009, CARB approved

the new rules and carbon intensity reference values with new regulatory requirements taking effect in January 2011. The standards require providers of transportation fuels to report on the mix of fuels they provide and demonstrate they meet the LCFS intensity standards annually. This is accomplished by ensuring that the number of "credits" earned by providing fuels with a lower carbon intensity than the established baseline (or obtained from another party) is equal to or greater than the "deficits" earned from selling higher intensity fuels. In response to certain court rulings, CARB re-adopted the LCFS regulation in September 2015, and the LCFS went into effect on January 1, 2016. In 2018, CARB approved amendments to the regulation to readjust carbon intensity benchmarks to meet California's 2030 GHG reductions targets under SB 32. These amendments include opportunities to promote zero emission vehicle (ZEV) adoption, carbon capture and sequestration, and advanced technologies for decarbonization of the transportation sector.

Advanced Clean Cars Program

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

Executive Order B-48-18

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

Regional Regulations

South Coast Air Quality Management District

In 2008, the SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the Basin. The Working Group developed several different options that are contained in the SCAQMD 2008 draft guidance document titled Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans[37] that could be applied by lead agencies. On September 28, 2010, SCAQMD Working Group Meeting No. 15 provided further guidance, including a tiered approach for evaluating GHG emissions for development projects where the SCAQMD is not the lead agency. The SCAQMD has not presented a finalized version of these thresholds to the governing board.

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

Southern California Association of Governments

On September 3, 2020, SCAG adopted Connect SoCal–The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS).[38] In general, the SCS outlines a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce vehicle miles traveled (VMT) from automobiles and light-duty trucks and thereby reduce GHG emissions from these sources. For the SCAG region, CARB has set GHG reduction targets at 8 percent below 2005 per capita emissions levels by 2020, and 19 percent below 2005 per capita emissions levels by 2035. The RTP/SCS lays out a strategy for the region to meet these targets. Overall, the SCS is meant to provide growth strategies that will achieve the regional GHG emissions reduction targets. Land use strategies to achieve the region's targets include planning for new growth around high-quality transit areas and livable corridors, and creating neighborhood mobility areas to integrate land use and transportation and plan for more active lifestyles.[39] However, the SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the SCS; SCAG is required to consider local land use controls when drafting the SCS.

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

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

39 Ibid.

Local Regulations

City of Orange General Plan 2010

The City of Orange addresses climate change in the Natural Resources Element of the City of Orange General Plan 2010.[40] The General Plan contains goals and policies that work to prepare and adapt to the effects of climate change and promote practices that decrease the City's contribution to climate change. The following policies are applicable to the proposed project:

- Evaluate the potential effects of climate change on the City's human and natural systems and prepare strategies that allow the City to appropriately respond and adapt.

- Develop and adopt a comprehensive strategy to reduce greenhouse gasses (GHGs) within Orange by at least 15 percent from current levels by 2020.

40 City of Orange. 2010. op. cit.

SETTING

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

ATTAINMENT STATUS

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

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

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

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

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

Source: South Coast Air Quality Management District (2018).
[1] Except in Los Angeles County.
CO = carbon monoxide
N/A = not applicable
NO_2 = nitrogen dioxide
O_3 = ozone
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SO_2 = sulfur dioxide

EXISTING CLIMATE AND AIR QUALITY

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

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

The annual average temperature varies little throughout the Basin, ranging from the low to middle 60s°F. With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station closest to the site is the Santa Ana Fire Station.[41] The monthly average maximum temperature recorded at this station ranged from 68.1°F in January to 84.7°F in August, with an annual average maximum of 75.8°F. The monthly average minimum temperature recorded at this station ranged from 43.1°F in January to 61.6°F in August, with an annual average minimum of 52.0°F. These levels are representative of the project area.

The majority of annual rainfall in the Basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern portion of the Basin and along the coastal side of the mountains. Average monthly rainfall at the Santa Ana Fire station varied from 0.02 inch in July to 3.05 inches in February, with an annual total of 13.69 inches. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

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

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

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

41 Western Regional Climate Center. Recent Climate in the West. Website: http://www.wrcc.dri.edu, (accessed March 2023).

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

AIR QUALITY MONITORING RESULTS

Air quality monitoring stations are located throughout the nation and are maintained by the local air pollution control district and State air quality regulating agencies. The SCAQMD, together with the CARB, maintains ambient air quality monitoring stations in the Basin. The air quality monitoring station closest to the project site is located at 1630 W. Pampas Lane in the City of Anaheim, Orange County.

Pollutant monitoring results for the years 2019 to 2021 at the Anaheim ambient air quality monitoring station, shown in Table F, indicate that air quality in the area has generally been good. As indicated in the monitoring results, the federal PM_{10} standard had no exceedances during the 3-year period. The State PM_{10} standard was exceeded 4 times in 2019, 5 times in 2020, and 1 time in 2021. The $PM_{2.5}$ federal standard had 4 exceedances in 2019, 12 exceedances in 2020, and 10 exceedances in 2021. The 1-hour ozone State standard had 1 exceedance in 2019, 6 exceedances in 2020, and no exceedances in 2021. The 8-hour ozone State standard had 1 exceedance in 2019, 16 exceedances in 2020, and no exceedances in 2021. The 8-hour ozone federal standard was exceeded 1 time in 2019, 15 times in 2020, and no times in 2021. In addition, the CO and NO_2 standards were not exceeded in this area during the 3-year period. SO_2 data were not available for the 3-year period.

GREENHOUSE GAS EMISSIONS INVENTORY

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

Global Emissions

Worldwide emissions of GHGs in 2020 totaled 22.9 billion metric tons (MT) of CO_2e. Global estimates are based on country inventories developed as part of the programs of the United Nations Framework Convention on Climate Change.[42]

[42] United Nations Framework Convention on Climate Change (UNFCCC). 2022. GHG Data from UNFCCC. Website: https://di.unfccc.int/time_series (accessed March 2023).

Table F: Ambient Air Quality at the Anaheim Monitoring Station

Pollutant	Standard	2019	2020	2021
Carbon Monoxide (CO)				
Maximum 1-hour concentration (ppm)		2.4	2.3	2.1
Number of days exceeded:	State: > 20 ppm	0	0	0
	Federal: > 35 ppm	0	0	0
Maximum 8-hour concentration (ppm)		1.3	1.7	1.5
Number of days exceeded:	State: > 9 ppm	0	0	0
	Federal: > 9 ppm	0	0	0
Ozone (O_3)				
Maximum 1-hour concentration (ppm)		0.096	0.142	0.089
Number of days exceeded:	State: > 0.09 ppm	1	6	0
Maximum 8-hour concentration (ppm)		0.082	0.098	0.068
Number of days exceeded:	State: > 0.07 ppm	1	16	0
	Federal: > 0.07 ppm	1	15	0
Coarse Particulates (PM_{10})				
Maximum 24-hour concentration (µg/m^3)		127.1	74.5	63.3
Number of days exceeded:	State: > 50 µg/m^3	4	5	1
	Federal: > 150 µg/m^3	0	0	0
Annual arithmetic average concentration (µg/m^3)		24.4	ND	23.2
Exceeded for the year:	State: > 20 µg/m^3	Yes	ND	Yes
	Federal: > 50 µg/m^3	No	ND	No
Fine Particulates ($PM_{2.5}$)				
Maximum 24-hour concentration (µg/m^3)		37.1	64.8	54.4
Number of days exceeded:	Federal: > 35 µg/m^3	4	12	10
Annual arithmetic average concentration (µg/m^3)		9.4	12.4	11.6
Exceeded for the year:	State: > 12 µg/m^3	No	Yes	No
	Federal: > 15 µg/m^3	No	No	No
Nitrogen Dioxide (NO_2)				
Maximum 1-hour concentration (ppm)		0.059	0.070	0.067
Number of days exceeded:	State: > 0.250 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.012	0.013	0.012
Exceeded for the year:	Federal: > 0.053 ppm	No	No	No
Sulfur Dioxide (SO_2)				
Maximum 1-hour concentration (ppm)		ND	ND	ND
Number of days exceeded:	State: > 0.25 ppm	ND	ND	ND
Maximum 24-hour concentration (ppm)		ND	ND	ND
Number of days exceeded:	State: > 0.04 ppm	ND	ND	ND
	Federal: > 0.14 ppm	ND	ND	ND
Annual arithmetic average concentration (ppm)		ND	ND	ND
Exceeded for the year:	Federal: > 0.030 ppm	ND	ND	ND

Sources: CARB (2021) and USEPA (2022).
Data taken from 1630 W. Pampas Lane, Anaheim Monitoring Station
µg/m^3 = micrograms per cubic meter
CARB = California Air Resources Board
ND = No data. There were insufficient (or no) data to determine the value.
ppm = parts per million
USEPA = United States Environmental Protection Agency

United States Emissions

In 2020, the year for which the most recent data are available, the United States emitted about 5,222 million metric tons of CO_2e (MMT CO_2e). Overall, emissions in 2020 decreased by 11 percent since 2019 and were 21 percent lower than 2005 levels. The primary driver for the decrease was an 11 percent decrease in CO_2 emissions from fossil fuel combustion. This decrease was primarily due to a 13 percent decrease in transportation emissions driven by decreased demand due to the ongoing COVID-19 pandemic. Electric power sector emissions also decreased 10 percent, reflecting both a slight decrease in demand from the COVID-19 pandemic and a continued shift from coal to less carbon intensive natural gas and renewables. Of the five major sectors – residential and commercial, agricultural, industry, transportation, and electricity generation – transportation accounted for the highest amount of GHG emissions in 2020 (approximately 27 percent), with electricity generation second at 27 percent and emissions from industry third at 24 percent.[43]

State of California Emissions

The State emitted approximately 369.2 MMT CO_2e emissions in 2020, 35.3 MMT CO_2e lower than 2019 levels and 61.8 MMT CO_2e below the 2020 GHG limit of 431 MMT CO_2e.[44] The California Air Resources Board (CARB) estimates that transportation was the source of approximately 37 percent of the State's GHG emissions in 2020, which is a smaller share than recent years, as the transportation sector saw a significant decrease of 26.6 MMT CO_2e in 2020, likely due in large part to the impact of the COVID-19 pandemic. The next largest sources included industrial sources at approximately 20 percent and electricity generation at 16 percent. The remaining sources of GHG emissions were commercial and residential activities at 10 percent, agriculture at 9 percent, high GWP at 6 percent, and waste at 2 percent.[45]

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

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

45 Ibid.

METHODOLOGY

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

CONSTRUCTION EMISSIONS

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

The California Emissions Estimator Model version 2022.1 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site. As discussed previously in the Project Location and Description section, construction is anticipated to begin in the fourth quarter of 2023 and be completed in 13 months, which was included in CalEEMod. The proposed project would require the net import of 9,155 cubic yards of soil, which was also included in CalEEMod. In addition, the proposed project would include the demolition of approximately 47,932 square feet of building square footage, which was included in CalEEMod. This analysis also assumes the use of Tier 3 construction equipment and that the proposed project would comply with SCAQMD Rule 403 measures as required by existing regulations. All other construction details are not yet known; therefore, default assumptions (e.g., construction worker and truck trips and fleet activities) from CalEEMod were used.

OPERATIONAL EMISSIONS

The air quality analysis includes estimating emissions associated with long-term operation of the proposed project. Consistent with the SCAQMD guidance for estimating emissions associated with land use development projects, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the project. As discussed in the Project Location and Description section, the proposed project would construct three new self-storage buildings totaling 133,378 sq ft, approximately 13,338 sq ft of landscaping, and 51 parking spaces. In addition, the proposed project would not be all-electric, which was included in CalEEMod. The proposed project analysis was conducted using land use codes *Unrefrigerated Warehouse-Rail*, and *Parking Lot*. Trip generation rates used in CalEEMod for the project were based on the project's *VMT Screening Analysis,*[46] which identifies that the proposed project would generate approximately 193 average daily trips.

CONSTRUCTION HEALTH RISK ASSESSMENT

For the purposes of a health risk assessment (HRA), emissions are analyzed for acute health impacts, chronic, and carcinogenic health impacts. A multi-pathway assessment has been conducted to

[46] Environment Planning Development Solutions, Inc. 2023. op. cit.

evaluate the project's emissions during construction and operation following the modeling techniques recommended in the Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxic Hot Spots Program Risk Assessment Guidelines*.[47] The analysis herein has been conducted in accordance with SCAQMD requirements for HRAs.

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

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

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

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

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

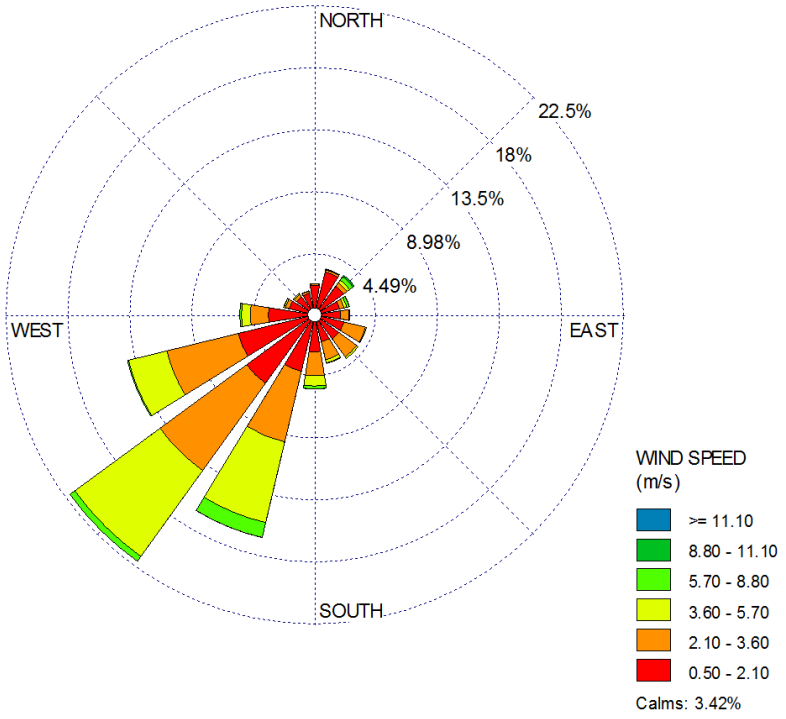
- The exposure to DPM is assumed to be constant for the given period analyzed (i.e., 30 years for the residential receptors and 25 years for the worker receptors). However, emissions from DPM are expected to substantially decrease in the future with the implementation of standard regulatory requirements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

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model

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

was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). The HRA analyses used PM_{10} emissions to represent DPM emissions, consistent with OEHHA guidance.[48] Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the USEPA dispersion model AERMOD. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data. Details of these inputs are attached.

Due to the model's sensitivity to individual parameters (e.g., wind speed, temperature, and direction), the USEPA recommends meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. As such, 5 years of meteorological data from SCAQMD's John Wayne International Airport Monitoring Station (the nearest available station) was used to represent local weather conditions and prevailing winds. Figure 3 shows the graphical representation of the wind patterns.



Source: SCAQMD Meteorological Data for AERMOD.

Figure 3: Project Area Wind Patterns

[48] CalEPA OEHHA. 2015. op. cit.

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

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

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were default rates as presented in the OEHHA guidance document entitled *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[49] and guidance from SCAQMD.

ENERGY USE

The analysis of electricity/natural gas usage is based on the CalEEMod modeling conducted by LSA, which quantifies energy use for project operations. Fuel consumption (diesel fuel and gasoline) from vehicle trips during operation was estimated for the opening year (2024) of the proposed project based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMission FACtor Model (EMFAC2021) model. Estimates of fuel consumption (diesel fuel and gasoline) from construction trucks and construction worker vehicles were based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMFAC2021 model.

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

GREENHOUSE GAS ANALYSIS

Recognizing that the field of global climate change analysis is rapidly evolving, the approaches advocated most recently indicate that for determining a project's contribution to GHG emissions, lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption,

[49] CalEPA OEHHA. 2015. op. cit.

water conveyance and treatment, waste generation, construction activities, and any other significant source of emissions within the project area. The CalEEMod results were used to quantify GHG emissions generated by the project.

THRESHOLDS OF SIGNIFICANCE

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

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

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

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

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

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

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

CRITERIA POLLUTANT THRESHOLDS

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

Table G lists the CEQA significance thresholds for construction and operational emissions established for the Basin. Projects in the Basin with construction- or operation-related emissions that exceed any of their respective emission thresholds would be considered significant under SCAQMD guidelines. These thresholds, which SCAQMD developed and that apply throughout the Basin, apply as both project and cumulative thresholds. If a project exceeds these standards, it is considered to have a project-specific and cumulative impact.

Table G: Regional Thresholds for Construction and Operational Emissions

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

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

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

HEALTH RISK THRESHOLDS

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

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

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

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

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

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

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

The SCAQMD's *CEQA Air Quality Handbook*[50] states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million. Based on guidance from SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis,*[51] for the purposes of this analysis, the threshold of 10 in 1 million was used as the cancer risk threshold for the proposed project.

LOCALIZED IMPACTS ANALYSIS

The SCAQMD published its *Final Localized Significance Threshold Methodology* in July 2008, recommending that all air quality analyses include an assessment of air quality impacts to nearby sensitive receptors.[52] This guidance was used to analyze potential localized air quality impacts associated with construction of the proposed project. Localized significance thresholds (LSTs) are developed based on the size or total area of the emission source, the ambient air quality in the source receptor area, and the distance to the project. Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality.

LSTs are based on the ambient concentrations of that pollutant within the project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For the proposed project, the appropriate SRA for the LST is the nearby Central Orange County (SRA 17). SCAQMD provides LST screening tables for 25, 50, 100, 200, and 500-meter source-receptor distances. As identified above, the closest sensitive uses are single-family and multi-family residences to the south approximately 330 feet (101 meters) away. Based on the anticipated construction equipment, it is assumed that the maximum daily disturbed acreage for the proposed project would be 3.5 acres.[53] Table H lists the emissions thresholds that apply during project construction and operation.

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

Emissions Source	Pollutant Emissions Threshold (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Construction	153.0	2,036.0	45.0	13.0
Operations	153.0	2,036.0	12.0	3.5

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

50 SCAQMD. 1993. *CEQA Air Quality Handbook* (currently under revision).
51 SCAQMD. 2003. *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*. August.
52 SCAQMD. 2008a. *Final Localized Significance Threshold Methodology*. July.
53 SCAQMD. n.d. *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds*. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed March 2023).

LOCAL MICROSCALE CONCENTRATION STANDARDS

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

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

ENERGY

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

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

GLOBAL CLIMATE CHANGE

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

- **Tier 1. Exemptions:** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.
- **Tier 2. Consistency with a locally adopted GHG Reduction Plan:** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.
- **Tier 3. Numerical Screening Threshold:** If GHG emissions are less than the numerical screening-level threshold, project-level and cumulative GHG emissions are less than significant.

  For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. SCAQMD, under Option 1, is proposing a "bright-line" screening-level threshold of 3,000 MT CO_2e per year (or MT CO_2e/yr) for all land use types or, under Option 2, the following land-use-specific thresholds: 1,400 MT CO_2e commercial projects; 3,500 MT CO_2e for residential projects; or 3,000 MT CO_2e for mixed-use projects. This bright-line threshold is based on a review of the OPR database of CEQA

projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line thresholds identified above. Therefore, projects that do not exceed the bright-line threshold would have a nominal and therefore less than cumulatively considerable impact on GHG emissions.

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

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

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

For the purpose of this analysis, the proposed project will be compared to the screening-level Tier 3 Numerical Screening Threshold of 3,000 MT CO_2e/yr for industrial projects. The project is also evaluated for compliance with the 2022 Scoping Plan and the 2020–2045 RTP/SCS.

IMPACTS ANALYSIS

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

AIR QUALITY IMPACTS

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

Consistency with Applicable Air Quality Plans

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

The AQMP is based on regional growth projections developed by SCAG. The proposed project would include three new self-storage buildings totaling 133,378 sq ft. The proposed project would not house more than 1,000 persons, occupy more than 40 acres of land, or encompass more than 650,000 sq ft of floor area. Thus, the proposed project would not be defined as a regionally significant project under CEQA; therefore, it does not meet SCAG's Intergovernmental Review criteria.

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

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

2. The *CEQA Air Quality Handbook* indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant projects. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities; therefore, the proposed project is not defined as significant. In addition, the proposed

project would not require a change to the General Plan land use designation or the current zoning, and would be consistent with the City's General Plan and Zoning Ordinance.

Based on the consistency analysis presented above, the proposed project would be consistent with the regional AQMP.

Criteria Pollutant Analysis

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

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

Construction Emissions

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

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

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

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, VOCs, and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using CalEEMod. Table I lists the tentative project construction schedule based on a 13-month construction duration. Table J lists the potential construction equipment to be used during project construction under each phase of construction. Construction-related emissions are presented in Table K. CalEEMod output sheets are included in Appendix A.

Table I: Tentative Project Construction Schedule

Phase Number	Phase Name	Phase Start Date[1]	Phase End Date[1]	Number of Days/Week	Number of Days
1	Demolition	10/2/2023	10/20/2023	5	15
2	Site Preparation	10/23/2023	11/10/2023	5	15
3	Grading	11/13/2023	11/24/2023	5	10
4	Building Construction	11/27/2023	10/11/2024	5	230
5	Paving	10/14/2024	10/25/2024	5	10
6	Architectural Coating[2]	5/27/2024	11/1/2024	5	115

Source: Compiled by LSA (2023).

[1] Phase start and end dates assume construction will start in the fourth quarter of 2023 and occur for approximately 13 months.

[2] The architectural phase is extended to overlap with the building construction phase.

Table J: Diesel Construction Equipment Utilized by Construction Phase

Construction Phase	Off-Road Equipment Type	Off-Road Equipment Unit Amount	Hours Used per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	1	8	33	0.73
	Excavators	3	8	36	0.38
	Rubber Tired Dozers	2	8	367	0.4
Site Preparation	Rubber Tired Dozers	3	8	367	0.4
	Tractors/Loaders/Backhoes	4	8	84	0.37
Grading	Excavators	1	8	36	0.38
	Graders	1	8	148	0.41
	Rubber Tired Dozers	1	8	367	0.4
	Tractors/Loaders/Backhoes	3	8	84	0.37
Building Construction	Cranes	1	7	367	0.29
	Forklifts	3	8	82	0.2
	Generator Sets	1	8	14	0.74
	Tractors/Loaders/Backhoes	3	7	84	0.37
	Welders	1	8	46	0.45
Paving	Cement and Mortar Mixers	2	6	10	0.56
	Pavers	1	8	81	0.42
	Paving Equipment	2	6	89	0.36
	Rollers	2	6	36	0.38
	Tractors/Loaders/Backhoes	1	8	84	0.37
Architectural Coating	Air Compressors	1	6	37	0.48

Source: Compiled by LSA using CalEEMod defaults (March 2023).
CalEEMod = California Emissions Estimator Model

Table K: Project Construction Emissions

Project Construction	Maximum Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Demolition	0.8	20.9	20.5	0.1	4.9	1.5
Site Preparation	1.0	24.1	29.3	<0.1	8.8	4.8
Grading	0.8	25.0	23.2	0.1	5.7	2.6
Building Construction	0.7	12.9	17.9	<0.1	1.4	0.7
Paving	0.3	7.2	9.9	<0.1	0.6	0.4
Architectural Coating	10.9	1.1	1.5	<0.1	0.2	0.1
Maximum (lbs/day)	**11.6**	**25.0**	**29.3**	**0.1**	**8.8**	**4.8**
SCAQMD Thresholds	75.0	100.0	550.0	150.0	150.0	55.0
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (March 2023).
Note: Maximum emissions of VOCs occurred during the overlapping building construction, paving, and architectural coating phases.
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

As shown in Table K, construction emissions associated with the project would not exceed the SCAQMD thresholds for VOCs, NO_x, CO, sulfur oxides (SO_X), $PM_{2.5}$, or PM_{10} emissions. In addition to

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

Operational Air Quality Impacts

Long-term air pollutant emission impacts are those typically associated with mobile sources (e.g., vehicle and truck trips), energy sources (e.g., natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment). However, the proposed project would not be powered by natural gas, and no natural gas demand is anticipated during operation of the proposed project.

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

Energy source emissions result from activities in buildings for which natural gas is used. The quantity of emissions is the product of usage intensity (i.e., the amount of natural gas) and the emission factor of the fuel source. Greater building or appliance efficiency reduces the amount of energy for a given activity and thus lowers the resultant emissions. The emission factor is determined by the fuel source, with cleaner energy sources, like renewable energy, producing fewer emissions than conventional sources. The proposed project would be all-electric; therefore, the proposed project would not result in energy source emissions.

Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings and the use of landscape maintenance equipment.

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

Table L: Project Operational Emissions

Emission Type	Pollutant Emissions (lbs/day)					
	VOCs	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Mobile Sources	0.7	0.6	5.6	<0.1	0.5	0.1
Area Sources	4.1	<0.1	5.8	<0.1	<0.1	<0.1
Energy Sources	0.0	0.0	0.0	0.0	0.0	0.0
Total Proposed Project Emissions	**4.8**	**0.6**	**11.4**	**<0.1**	**0.5**	**0.1**
SCAQMD Thresholds	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (March 2023).
CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOCs = volatile organic compounds

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

Long-Term Microscale (CO Hot Spot) Analysis

Vehicular trips associated with the proposed project would contribute to congestion at intersections and along roadway segments in the project vicinity. Localized air quality impacts would occur when emissions from vehicular traffic increase as a result of the proposed project. The primary mobile-source pollutant of local concern is CO, a direct function of vehicle idling time and, thus, of traffic flow conditions. CO transport is extremely limited; under normal meteorological conditions, CO disperses rapidly with distance from the source. However, under certain extreme meteorological conditions, CO concentrations near a congested roadway or intersection may reach unhealthful levels, affecting local sensitive receptors (e.g., residents, schoolchildren, the elderly, and hospital patients). Typically, high CO concentrations are associated with roadways or intersections operating at unacceptable levels of service or with extremely high traffic volumes. In areas with high ambient background CO concentrations, modeling is recommended to determine a project's effect on local CO levels.

An assessment of project-related impacts on localized ambient air quality requires that future ambient air quality levels be projected. Existing CO concentrations in the immediate project vicinity are not available. Ambient CO levels monitored at the Anaheim station, the closest station to the project site, showed a highest recorded 1-hour concentration of 2.4 ppm (the State standard is 20 ppm) and a highest 8-hour concentration of 1.7 ppm (the State standard is 9 ppm) during the past 3 years (Table F). The highest CO concentrations would normally occur during peak traffic hours; hence, CO impacts calculated under peak traffic conditions represent a worst-case analysis.

As described in the project's *VMT Screening Analysis*,[54] the proposed project would generate 12 AM peak hour trips and 20 PM peak-hour trips. As the proposed project would not generate 100 or more AM or PM peak hour trips, the proposed project did not meet the criteria for an evaluation of study area intersection or roadway segment level of service. Therefore, it is assumed that the addition of the proposed project traffic would not create any significant adverse impacts to nearby intersections.

Therefore, given the extremely low level of CO concentrations in the project area, and lack of traffic impacts at any intersections, project-related vehicles are not expected to contribute significantly to result in the CO concentrations exceeding the State or federal CO standards.

Localized Significance Analysis

Project construction and operation emissions were compared to the LST screening tables in SRA 17, based on a 101-meter source-receptor distance and a disturbed acreage of 3.5 acres.

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

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

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	25.0	29.3	8.8	4.8
Localized Significance Threshold	153.0	2,036.0	45.0	13.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (March 2023).
Note: Source Receptor Area 17, based on a 3.5-acre construction disturbance daily area, at a distance of 101 meters from the project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_x= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

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

[54] Environment Planning Development Solutions, Inc. 2023. op. cit.

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

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	<0.1	6.1	<0.1	<0.1
Localized Significance Threshold	160.0	2,448.0	14.0	4.6
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (March 2023).
Note: Source Receptor Area 17, based on a 3.5-acre construction disturbance daily area, at a distance of 101 meters from the project boundary.
CO= carbon monoxide
lbs/day = pounds per day
NO_x= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

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

Health Risk on Nearby Sensitive Receptors

Sensitive receptors are defined as people that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential dwelling units. The closest sensitive uses are single-family and multi-family residences to the south approximately 330 feet away.

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table O, below, identifies the results of the analysis for the maximumally exposed individual (MEI) for residential, school, and work sites.. Model snap shots of the sources are shown in Appendix B.

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

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential MEI	6.94	0.007	0.000
School MEI	1.46	0.081	0.000
Worker MEI	0.67	0.001	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (April 2023).
MEI = Maximally Exposed Individual
SCAQMD = South Coast Air Quality Management District

As shown in Table O, the maximum cancer risk for the MEI residential receptor would be 6.94 in one million, which would not exceed the SCAQMD cancer risk threshold of 10 in one million. The MEI school receptor risk would be 1.46 in one million and the MEI worker receptor risk would be 0.67 in one million, which would also not exceed the SCAQMD cancer risk thresholds. The total chronic hazard index would be 0.007 for the residential MEI, 0.081 for the school MEI, and 0.001 for the

worker MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. Therefore, construction of the proposed project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations. No significant health risk would occur from project construction emissions.

Once the proposed project is constructed, the proposed project would not be a source of substantial emissions. Therefore, implementation of the proposed project would not result in new sources of TACs. Therefore, the project would not expose sensitive receptors to substantial levels of TACs.

Odors

During project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors, and once operational, the project would not be a source of odors. Therefore, the proposed project would not result in other emissions (such as those leading to odors) affecting a substantial number of people.

ENERGY IMPACTS

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

Energy Consumption

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

Construction Energy Use

Construction of the proposed project is anticipated to begin in the fourth quarter of 2023 and occur for approximately 13 months. The project would require energy for activities such as the manufacture and transportation of building materials, grading activities, and building construction. Construction of the proposed project would require electricity to power construction-related equipment. Construction of the proposed project would not involve the consumption of natural gas. The construction-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during construction.

Transportation energy represents the largest energy use during construction and would occur from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction worker vehicles that would use petroleum fuels (e.g., diesel fuel and/or gasoline). Therefore, the analysis of energy use during construction focuses on fuel consumption. Construction trucks and vendor trucks hauling materials to and from the project site would be anticipated to use diesel fuel, whereas construction workers traveling to and from the project site would be anticipated to use

gasoline-powered vehicles. Fuel consumption from transportation uses depends on the type and number of trips, VMT, the fuel efficiency of the vehicles, and the travel mode.

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

Table P: Proposed Project Energy Consumption Estimates during Construction

Energy Type	Total Energy Consumption	Percentage of Increase Countywide
Diesel Fuel (total gallons)	57,400.2	0.04
Gasoline (total gallons)	20,716.5	<0.01

Source: Compiled by LSA (March 2023).

As indicated in Table P, the project would consume approximately 57,400.2 gallons of diesel fuel and approximately 20,716.5 gallons of gasoline during construction. Based on fuel consumption obtained from EMFAC2021, approximately 1,230 million gallons of gasoline and approximately 156 million gallons of diesel will be consumed from vehicle trips in Orange County in 2023. Therefore, construction of the proposed project would increase the annual construction generated fuel use in Orange County approximately by approximately 0.04 percent for diesel fuel usage and by less than 0.01 percent for gasoline fuel usage. As such, project construction would have a negligible effect on local and regional energy supplies. Furthermore, impacts related to energy use during construction would be temporary and relatively small in comparison to Orange County's overall use of the State's available energy resources. No unusual project characteristics would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in the region or the State. In addition, construction activities are not anticipated to result in an inefficient use of energy as gasoline and diesel fuel would be supplied by construction contractors who would conserve the use of their supplies to minimize their costs on the project. The project would not cause or result in the need for additional energy facilities or an additional or expanded delivery system. For these reasons, fuel consumption during construction would not be inefficient, wasteful, or unnecessary.

Operational Energy Use

Operational energy use is typically associated with electricity consumption and fuel used for vehicle trips associated with a project. Energy consumption was estimated for the proposed project using default energy intensities by land use type in CalEEMod. The operation-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during operation of the proposed project.

The proposed project would also result in energy usage associated with gasoline and diesel fuel consumed by project-related vehicle and truck trips. Fuel use associated with vehicle and truck trips generated by the proposed project was calculated based on the project's T *VMT Screening*

Analysis,[55] which identifies that the proposed project would generate approximately 193 average daily trips. The amount of operational fuel use was estimated using CARB's EMFAC2021 model, which provided projections for typical daily fuel usage in Orange County.

Electricity and fuel usage estimates associated with the proposed project are shown in Table Q.

Table Q: Proposed Project Energy Consumption Estimates during Operation

Energy Type	Annual Energy Consumption
Electricity Consumption (kWh/year)	626,547.0
Natural Gas Consumption (therms/year)	0.0
Automotive Fuel Consumption	
Gasoline (gallons/year)	23,511.9
Diesel Fuel (gallons/year)	1,977.7

Source: Compiled by LSA (March 2023).
kWh = kilowatt-hours

As shown in Table Q, the estimated potential net increase in electricity demand associated with the operation of the proposed project is 626,547.0 kWh per year. Total electricity consumption in Orange County in 2021 was 18,931.8 GWh (18,931,838,624 kWh). Therefore, operation of the proposed project would increase the annual electricity consumption in Orange County by approximately 0.01 percent.

Electrical demand associated with project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Furthermore, the proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The project would be required to adhere to all federal, State, and local requirements for energy efficiency, including the Title 24 standards. Title 24 building energy efficiency standards establish minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting, which would reduce energy usage.

As shown in Table Q, fuel use associated with the vehicle trips generated by the proposed project is estimated at 23,511.9 gallons of gasoline and 1,977.7 gallons of diesel fuel per year. This analysis conservatively assumes that all vehicle trips generated as a result of project operation would be new to Orange County. Based on fuel consumption obtained from EMFAC2021, approximately 1,230 million gallons of gasoline and approximately 156 million gallons of diesel will be consumed from vehicle trips in Orange County in 2023. Therefore, vehicle and truck trips associated with the proposed project would increase the annual fuel use in Orange County by less than 0.01 percent for gasoline fuel usage and approximately less than 0.01 percent for diesel fuel usage. Fuel consumption associated with vehicle trips generated by project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region.

[55] Environment Planning Development Solutions, Inc. 2023. op. cit.

Conflict with Renewable Energy or Energy Efficiency Plans

In 2002, the Legislature passed SB 1389, which required the CEC to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the Integrated Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for ZEVs and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The CEC's *2021 Integrated Energy Policy Report* and *2022 Integrated Energy Policy Report Update* provide the results of the CEC's assessments of a variety of energy issues facing California. As indicated above, energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the overall use in the County. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the overall use in Orange County, and the State's available energy resources. Therefore, energy impacts at the regional level would be negligible. Because California's energy conservation planning actions are conducted at a regional level, and because the proposed project's total impact on regional energy supplies would be minor, the proposed project would not conflict with or obstruct California's energy conservation plans as described in the CEC's Integrated Energy Policy Report.

GREENHOUSE GAS IMPACTS

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

Generation of Greenhouse Gas Emissions

This section describes the proposed project's construction- and operational-related GHG emissions and contribution to global climate change. The SCAQMD has not addressed emission thresholds for construction in its *CEQA Air Quality Handbook*; however, the SCAQMD requires quantification and disclosure. Thus, an evaluation of the project's impacts related to the release of GHG emissions for both construction and operational phases of the project is described below.

Short-Term Greenhouse Gas Emissions

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

As indicated above, the SCAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are required to quantify and disclose GHG emissions that would occur during construction. The SCAQMD then requires the construction

GHG emissions to be amortized over the life of the project, defined by the SCAQMD as 30 years,[56] added to the operational emissions, and compared to the applicable interim GHG significance threshold tier.

Using CalEEMod, it is estimated that the project would generate approximately 560.0 MT CO_2e during construction of the project. When annualized over the 30-year life of the project, annual emissions would be 18.7 MT CO_2e.

Long-Term Greenhouse Gas Emissions

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

Following guidance from the SCAQMD, GHG emissions were estimated for the operational year of 2024 using CalEEMod. Table R shows the calculated GHG emissions for the proposed project.

Table R: Project Greenhouse Gas Emissions (MT/yr)

Emissions Source	Operational Emissions				
	CO_2	CH_4	N_2O	CO_2e	Percentage of Total
Mobile Sources	225.0	<0.1	<0.1	228.0	44
Area Sources	2.7	<0.1	<0.1	2.7	<1
Energy Sources	151.0	<0.1	<0.1	152.0	30
Water Sources	60.5	1.0	<0.1	92.8	18
Waste Sources	11.2	1.1	0.0	39.0	8
Total Project Operational Emissions				**514.5**	**100**
Amortized Construction Emissions				18.7	-
Total Annual Emissions				**533.2**	**-**
SCAQMD Threshold				3,000	-
Exceed?				**No**	**-**

Source: Compiled by LSA (March 2023).
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N_2O = nitrous oxide
SCAQMD = South Coast Air Quality Management District

[56] The SCAQMD has identified the average operational lifespan of buildings to be 30 years. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf (accessed March 2023).

As discussed above, a project would have less than significant GHG emissions if it would result in operational-related GHG emissions of less than 3,000 MT CO_2e/yr. Based on the analysis results, the proposed project would result in approximately 533.2 MT CO_2e/yr, which would be less than the SCAQMD threshold of 3,000 MT CO_2e per year. Therefore, operation of the proposed project would not generate significant GHG emissions that would have a significant effect on the environment.

Consistency with Greenhouse Gas Emissions Reduction Plans

An evaluation of the proposed project's consistency with the 2022 Scoping Plan and the 2020–2045 RTP/SCS is provided below.

2022 Scoping Plan

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

EO B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[57] to reflect the 2030 target set by EO B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to the CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

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

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

[57] CARB. 2017a. *California's 2017 Climate Change Scoping Plan*. November.

Energy efficient measures are intended to maximize energy efficiency building and appliance standards, pursue additional efficiency efforts including new technologies and new policy and implementation mechanisms, and pursue comparable investment in energy efficiency from all retail providers of electricity in California. In addition, these measures are designed to expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings. As discussed above, the proposed project would comply with the CALGreen Code, regarding energy conservation and green building standards. Therefore, the proposed project would comply with applicable energy measures.

Water conservation and efficiency measures are intended to continue efficiency programs and use cleaner energy sources to move and treat water. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions. As noted above, the project would comply with the CALGreen Code, which includes a variety of different measures, including the reduction of wastewater and water use. In addition, the proposed project would be required to comply with the California Model Water Efficient Landscape Ordinance. Therefore, the proposed project would not conflict with any of the water conservation and efficiency measures.

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

2020–2045 Regional Transportation Plan/Sustainable Communities Strategy

SCAG's RTP/SCS identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision in the 2020–2045 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster development in transit oriented communities. The 2020–2045 RTP/SCS contains transportation projects to help more efficiently distribute population, housing, and employment growth, as well as forecast development that is generally consistent with regional-level general plan data. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in the 2020–2045 RTP/SCS, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels). The 2020–2045 RTP/SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the 2020–2045 RTP/SCS, but provides incentives for consistency for governments and developers.

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emissions reduction targets. The proposed project would not interfere with SCAG's ability to achieve the region's GHG reduction target of 19 percent below 2005 per

capita emissions levels by 2035. Furthermore, the proposed project is not regionally significant per *State CEQA Guidelines* Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets since those targets were established and are applicable on a regional level.

Based on the nature of the proposed project, it is anticipated that implementation of the proposed project would not interfere with SCAG's ability to implement the regional strategies outlined in the RTP/SCS.

CONCLUSION

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

APPENDIX A

CALEEMOD OUTPUT SHEETS

630 Batavia Self-Storage Project Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	630 Batavia Self-Storage Project
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	18.2
Location	630 N Batavia St, Orange, CA 92868, USA
County	Orange
City	Orange
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5704
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-Rail	133	1000sqft	3.00	133,378	13,338	—	—	—
Parking Lot	51.0	Space	0.06	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.5	13.9	19.7	0.03	0.58	1.07	1.65	0.52	0.26	0.78	4,150	0.15	0.15	4,204
Mit.	11.5	13.9	19.7	0.03	0.58	1.07	1.65	0.52	0.26	0.78	4,150	0.15	0.15	4,204
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.5	25.0	29.3	0.08	0.94	7.89	8.84	0.84	3.99	4.83	11,399	0.83	1.33	11,816
Mit.	11.5	25.0	29.3	0.08	0.94	7.89	8.84	0.84	3.99	4.83	11,399	0.83	1.33	11,816
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.80	7.73	10.7	0.02	0.32	0.69	0.88	0.28	0.26	0.42	2,273	0.09	0.08	2,301
Mit.	3.80	7.73	10.7	0.02	0.32	0.69	0.88	0.28	0.26	0.42	2,273	0.09	0.08	2,301
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.69	1.41	1.95	< 0.005	0.06	0.13	0.16	0.05	0.05	0.08	376	0.01	0.01	381

Mit.	0.69	1.41	1.95	< 0.005	0.06	0.13	0.16	0.05	0.05	0.08	376	0.01	0.01	381
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	11.5	13.9	19.7	0.03	0.58	1.07	1.65	0.52	0.26	0.78	4,150	0.15	0.15	4,204
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.96	25.0	29.3	0.08	0.94	7.89	8.84	0.84	3.99	4.83	11,399	0.83	1.33	11,816
2024	11.5	14.0	19.1	0.03	0.58	1.07	1.65	0.52	0.26	0.78	4,106	0.16	0.15	4,155
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.14	3.42	3.92	0.01	0.13	0.69	0.82	0.11	0.26	0.38	1,062	0.06	0.07	1,084
2024	3.80	7.73	10.7	0.02	0.32	0.56	0.88	0.28	0.14	0.42	2,273	0.09	0.08	2,301
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.03	0.62	0.71	< 0.005	0.02	0.13	0.15	0.02	0.05	0.07	176	0.01	0.01	179
2024	0.69	1.41	1.95	< 0.005	0.06	0.10	0.16	0.05	0.02	0.08	376	0.01	0.01	381

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	11.5	13.9	19.7	0.03	0.58	1.07	1.65	0.52	0.26	0.78	4,150	0.15	0.15	4,204
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.96	25.0	29.3	0.08	0.94	7.89	8.84	0.84	3.99	4.83	11,399	0.83	1.33	11,816
2024	11.5	14.0	19.1	0.03	0.58	1.07	1.65	0.52	0.26	0.78	4,106	0.16	0.15	4,155
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.14	3.42	3.92	0.01	0.13	0.69	0.82	0.11	0.26	0.38	1,062	0.06	0.07	1,084
2024	3.80	7.73	10.7	0.02	0.32	0.56	0.88	0.28	0.14	0.42	2,273	0.09	0.08	2,301
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.03	0.62	0.71	< 0.005	0.02	0.13	0.15	0.02	0.05	0.07	176	0.01	0.01	179
2024	0.69	1.41	1.95	< 0.005	0.06	0.10	0.16	0.05	0.02	0.08	376	0.01	0.01	381

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.80	0.56	11.4	0.01	0.02	0.49	0.50	0.02	0.09	0.10	2,766	12.9	0.21	6,710
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.84	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	2,688	12.9	0.21	6,628
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.49	0.59	9.33	0.01	0.01	0.49	0.50	0.02	0.09	0.10	2,719	12.9	0.21	6,661
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.82	0.11	1.70	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	450	2.14	0.03	1,103

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.66	0.51	5.63	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,396	0.06	0.05	1,419
Area	4.14	0.05	5.80	< 0.005	0.01	—	0.01	0.01	—	0.01	23.9	< 0.005	< 0.005	23.9
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	913	0.06	0.01	917
Water	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Waste	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Total	4.80	0.56	11.4	0.01	0.02	0.49	0.50	0.02	0.09	0.10	2,766	12.9	0.21	6,710
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.65	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,342	0.07	0.06	1,360
Area	3.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	913	0.06	0.01	917
Water	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Waste	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Total	3.84	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	2,688	12.9	0.21	6,628
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.65	0.56	5.36	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,356	0.07	0.06	1,377
Area	3.85	0.03	3.97	< 0.005	0.01	—	0.01	0.01	—	0.01	16.3	< 0.005	< 0.005	16.4

Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	913	0.06	0.01	917
Water	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Waste	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Total	4.49	0.59	9.33	0.01	0.01	0.49	0.50	0.02	0.09	0.10	2,719	12.9	0.21	6,661
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.12	0.10	0.98	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	225	0.01	0.01	228
Area	0.70	0.01	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.71	< 0.005	< 0.005	2.71
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	151	0.01	< 0.005	152
Water	—	—	—	—	—	—	—	—	—	—	60.5	1.00	0.02	92.8
Waste	—	—	—	—	—	—	—	—	—	—	11.2	1.11	0.00	39.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	588
Total	0.82	0.11	1.70	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	450	2.14	0.03	1,103

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.66	0.51	5.63	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,396	0.06	0.05	1,419
Area	4.14	0.05	5.80	< 0.005	0.01	—	0.01	0.01	—	0.01	23.9	< 0.005	< 0.005	23.9
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	913	0.06	0.01	917
Water	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Waste	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Total	4.80	0.56	11.4	0.01	0.02	0.49	0.50	0.02	0.09	0.10	2,766	12.9	0.21	6,710

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.65	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,342	0.07	0.06	1,360
Area	3.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	913	0.06	0.01	917
Water	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Waste	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Total	3.84	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	2,688	12.9	0.21	6,628
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.65	0.56	5.36	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,356	0.07	0.06	1,377
Area	3.85	0.03	3.97	< 0.005	0.01	—	0.01	0.01	—	0.01	16.3	< 0.005	< 0.005	16.4
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	913	0.06	0.01	917
Water	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Waste	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Total	4.49	0.59	9.33	0.01	0.01	0.49	0.50	0.02	0.09	0.10	2,719	12.9	0.21	6,661
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.12	0.10	0.98	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	225	0.01	0.01	228
Area	0.70	0.01	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.71	< 0.005	< 0.005	2.71
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	151	0.01	< 0.005	152
Water	—	—	—	—	—	—	—	—	—	—	60.5	1.00	0.02	92.8
Waste	—	—	—	—	—	—	—	—	—	—	11.2	1.11	0.00	39.0
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	588
Total	0.82	0.11	1.70	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	450	2.14	0.03	1,103

3. Construction Emissions Details

3.1. Demolition (2023) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	17.3	18.2	0.03	0.79	—	0.79	0.71	—	0.71	3,425	0.14	0.03	3,437
Demolition	—	—	—	—	—	3.17	3.17	—	0.48	0.48	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.71	0.75	< 0.005	0.03	—	0.03	0.03	—	0.03	141	0.01	< 0.005	141
Demolition	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	23.3	< 0.005	< 0.005	23.4
Demolition	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.84	0.00	0.00	0.20	0.20	0.00	0.05	0.05	197	0.01	0.01	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	3.49	1.47	0.02	0.03	0.67	0.70	0.03	0.19	0.22	2,650	0.23	0.42	2,779
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	8.22	< 0.005	< 0.005	8.34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	109	0.01	0.02	114
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	1.36	< 0.005	< 0.005	1.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	18.0	< 0.005	< 0.005	18.9

3.2. Demolition (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	17.3	18.2	0.03	0.79	—	0.79	0.71	—	0.71	3,425	0.14	0.03	3,437
Demolition	—	—	—	—	—	3.17	3.17	—	0.48	0.48	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.71	0.75	< 0.005	0.03	—	0.03	0.03	—	0.03	141	0.01	< 0.005	141
Demolition	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	23.3	< 0.005	< 0.005	23.4
Demolition	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.84	0.00	0.00	0.20	0.20	0.00	0.05	0.05	197	0.01	0.01	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	3.49	1.47	0.02	0.03	0.67	0.70	0.03	0.19	0.22	2,650	0.23	0.42	2,779
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	8.22	< 0.005	< 0.005	8.34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	109	0.01	0.02	114
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	1.36	< 0.005	< 0.005	1.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	18.0	< 0.005	< 0.005	18.9

3.3. Site Preparation (2023) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.99	1.16	< 0.005	0.04	—	0.04	0.03	—	0.03	218	0.01	< 0.005	218
Dust From Material Movement	—	—	—	—	—	0.32	0.32	—	0.16	0.16	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.18	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	36.0	< 0.005	< 0.005	36.2
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.98	0.00	0.00	0.23	0.23	0.00	0.05	0.05	230	0.01	0.01	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.59	< 0.005	< 0.005	9.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	1.59	< 0.005	< 0.005	1.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	24.0	28.3	0.05	0.94	—	0.94	0.84	—	0.84	5,295	0.21	0.04	5,314

Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.99	1.16	< 0.005	0.04	—	0.04	0.03	—	0.03	218	0.01	< 0.005	218
Dust From Material Movement	—	—	—	—	—	0.32	0.32	—	0.16	0.16	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.18	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	36.0	< 0.005	< 0.005	36.2
Dust From Material Movement	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.98	0.00	0.00	0.23	0.23	0.00	0.05	0.05	230	0.01	0.01	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.59	< 0.005	< 0.005	9.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	1.59	< 0.005	< 0.005	1.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2023) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	14.1	17.8	0.03	0.60	—	0.60	0.54	—	0.54	2,958	0.12	0.02	2,968
Dust From Material Movement	—	—	—	—	—	2.78	2.78	—	1.34	1.34	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.39	0.49	< 0.005	0.02	—	0.02	0.01	—	0.01	81.0	< 0.005	< 0.005	81.3
Dust From Material Movement	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	13.4	< 0.005	< 0.005	13.5
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.84	0.00	0.00	0.20	0.20	0.00	0.05	0.05	197	0.01	0.01	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	10.9	4.59	0.05	0.10	2.07	2.17	0.10	0.58	0.68	8,244	0.70	1.29	8,648
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	5.48	< 0.005	< 0.005	5.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.30	0.13	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	226	0.02	0.04	237
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91	< 0.005	< 0.005	0.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	37.4	< 0.005	0.01	39.3

3.6. Grading (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	14.1	17.8	0.03	0.60	—	0.60	0.54	—	0.54	2,958	0.12	0.02	2,968
Dust From Material Movement	—	—	—	—	—	2.78	2.78	—	1.34	1.34	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.39	0.49	< 0.005	0.02	—	0.02	0.01	—	0.01	81.0	< 0.005	< 0.005	81.3
Dust From Material Movement	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	13.4	< 0.005	< 0.005	13.5
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.07	0.84	0.00	0.00	0.20	0.20	0.00	0.05	0.05	197	0.01	0.01	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	10.9	4.59	0.05	0.10	2.07	2.17	0.10	0.58	0.68	8,244	0.70	1.29	8,648
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	5.48	< 0.005	< 0.005	5.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.30	0.13	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	226	0.02	0.04	237
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91	< 0.005	< 0.005	0.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	37.4	< 0.005	0.01	39.3

3.7. Building Construction (2023) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,397	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.81	0.98	< 0.005	0.03	—	0.03	0.03	—	0.03	164	0.01	< 0.005	165

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.15	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	27.2	< 0.005	< 0.005	27.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.27	3.14	0.00	0.00	0.73	0.73	0.00	0.17	0.17	737	0.03	0.03	746
Vendor	0.02	0.81	0.40	< 0.005	0.01	0.19	0.20	< 0.005	0.05	0.06	717	0.04	0.10	747
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	51.2	< 0.005	< 0.005	51.9
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	49.1	< 0.005	0.01	51.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	8.47	< 0.005	< 0.005	8.59
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	8.13	< 0.005	< 0.005	8.48
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,397	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.81	0.98	< 0.005	0.03	—	0.03	0.03	—	0.03	164	0.01	< 0.005	165
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.15	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	27.2	< 0.005	< 0.005	27.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.27	3.14	0.00	0.00	0.73	0.73	0.00	0.17	0.17	737	0.03	0.03	746
Vendor	0.02	0.81	0.40	< 0.005	0.01	0.19	0.20	< 0.005	0.05	0.06	717	0.04	0.10	747
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	51.2	< 0.005	< 0.005	51.9
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	49.1	< 0.005	0.01	51.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	8.47	< 0.005	< 0.005	8.59
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	8.13	< 0.005	< 0.005	8.48
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	6.59	7.98	0.01	0.28	—	0.28	0.25	—	0.25	1,337	0.05	0.01	1,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.20	1.46	< 0.005	0.05	—	0.05	0.05	—	0.05	221	0.01	< 0.005	222

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.22	3.37	0.00	0.00	0.73	0.73	0.00	0.17	0.17	759	0.01	0.03	770
Vendor	0.02	0.76	0.38	< 0.005	0.01	0.19	0.20	< 0.005	0.05	0.06	708	0.04	0.10	740
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.25	2.90	0.00	0.00	0.73	0.73	0.00	0.17	0.17	722	0.01	0.03	731
Vendor	0.02	0.78	0.39	< 0.005	0.01	0.19	0.20	< 0.005	0.05	0.06	708	0.04	0.10	738
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.14	1.70	0.00	0.00	0.40	0.40	0.00	0.09	0.09	408	0.01	0.02	414
Vendor	0.01	0.44	0.21	< 0.005	0.01	0.10	0.11	< 0.005	0.03	0.03	395	0.02	0.05	412
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.31	0.00	0.00	0.07	0.07	0.00	0.02	0.02	67.6	< 0.005	< 0.005	68.5
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	65.4	< 0.005	0.01	68.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2024) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	11.8	14.3	0.02	0.50	—	0.50	0.46	—	0.46	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	6.59	7.98	0.01	0.28	—	0.28	0.25	—	0.25	1,337	0.05	0.01	1,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.20	1.46	< 0.005	0.05	—	0.05	0.05	—	0.05	221	0.01	< 0.005	222
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.22	3.37	0.00	0.00	0.73	0.73	0.00	0.17	0.17	759	0.01	0.03	770
Vendor	0.02	0.76	0.38	< 0.005	0.01	0.19	0.20	< 0.005	0.05	0.06	708	0.04	0.10	740
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.25	2.90	0.00	0.00	0.73	0.73	0.00	0.17	0.17	722	0.01	0.03	731

Vendor	0.02	0.78	0.39	< 0.005	0.01	0.19	0.20	< 0.005	0.05	0.06	708	0.04	0.10	738
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.14	1.70	0.00	0.00	0.40	0.40	0.00	0.09	0.09	408	0.01	0.02	414
Vendor	0.01	0.44	0.21	< 0.005	0.01	0.10	0.11	< 0.005	0.03	0.03	395	0.02	0.05	412
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.31	0.00	0.00	0.07	0.07	0.00	0.02	0.02	67.6	< 0.005	< 0.005	68.5
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	65.4	< 0.005	0.01	68.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	7.14	8.87	0.01	0.32	—	0.32	0.29	—	0.29	1,351	0.05	0.01	1,355
Paving	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	37.0	< 0.005	< 0.005	37.1

Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.13	< 0.005	< 0.005	6.15
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.04	0.00	0.00	0.26	0.26	0.00	0.06	0.06	258	< 0.005	0.01	261
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.16	< 0.005	< 0.005	7.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	1.19	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2024) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	7.14	8.87	0.01	0.32	—	0.32	0.29	—	0.29	1,351	0.05	0.01	1,355
Paving	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	37.0	< 0.005	< 0.005	37.1
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.13	< 0.005	< 0.005	6.15
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.04	0.00	0.00	0.26	0.26	0.00	0.06	0.06	258	< 0.005	0.01	261
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.16	< 0.005	< 0.005	7.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	1.19	< 0.005	< 0.005	1.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	10.8	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134

Architectural Coatings	10.8	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.34	0.30	< 0.005	0.02	—	0.02	0.02	—	0.02	42.1	< 0.005	< 0.005	42.2
Architectural Coatings	3.39	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.96	< 0.005	< 0.005	6.99
Architectural Coatings	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.67	0.00	0.00	0.15	0.15	0.00	0.03	0.03	152	< 0.005	0.01	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.15	0.15	0.00	0.03	0.03	144	< 0.005	0.01	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	46.1	< 0.005	< 0.005	46.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.64	< 0.005	< 0.005	7.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2024) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	10.8	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	134	0.01	< 0.005	134
Architectural Coatings	10.8	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.34	0.30	< 0.005	0.02	—	0.02	0.02	—	0.02	42.1	< 0.005	< 0.005	42.2
Architectural Coatings	3.39	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.96	< 0.005	< 0.005	6.99
Architectural Coatings	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.67	0.00	0.00	0.15	0.15	0.00	0.03	0.03	152	< 0.005	0.01	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.15	0.15	0.00	0.03	0.03	144	< 0.005	0.01	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	46.1	< 0.005	< 0.005	46.8

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.64	< 0.005	< 0.005	7.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.66	0.51	5.63	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,396	0.06	0.05	1,419
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.66	0.51	5.63	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,396	0.06	0.05	1,419
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.65	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,342	0.07	0.06	1,360
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total	0.65	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,342	0.07	0.06	1,360
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.12	0.10	0.98	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	225	0.01	0.01	228
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.12	0.10	0.98	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	225	0.01	0.01	228

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.66	0.51	5.63	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,396	0.06	0.05	1,419
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.66	0.51	5.63	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,396	0.06	0.05	1,419
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.65	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,342	0.07	0.06	1,360
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.65	0.55	5.24	0.01	0.01	0.49	0.50	0.01	0.09	0.09	1,342	0.07	0.06	1,360
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	0.12	0.10	0.98	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	225	0.01	0.01	228
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.12	0.10	0.98	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	225	0.01	0.01	228

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	910	0.06	0.01	913
Parking Lot	—	—	—	—	—	—	—	—	—	—	3.34	< 0.005	< 0.005	3.35
Total	—	—	—	—	—	—	—	—	—	—	913	0.06	0.01	917
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	910	0.06	0.01	913
Parking Lot	—	—	—	—	—	—	—	—	—	—	3.34	< 0.005	< 0.005	3.35
Total	—	—	—	—	—	—	—	—	—	—	913	0.06	0.01	917
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	151	0.01	< 0.005	151

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.55	< 0.005	< 0.005	0.55
Total	—	—	—	—	—	—	—	—	—	—	151	0.01	< 0.005	152

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	910	0.06	0.01	913
Parking Lot	—	—	—	—	—	—	—	—	—	—	3.34	< 0.005	< 0.005	3.35
Total	—	—	—	—	—	—	—	—	—	—	913	0.06	0.01	917
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	910	0.06	0.01	913
Parking Lot	—	—	—	—	—	—	—	—	—	—	3.34	< 0.005	< 0.005	3.35
Total	—	—	—	—	—	—	—	—	—	—	913	0.06	0.01	917
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	151	0.01	< 0.005	151
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.55	< 0.005	< 0.005	0.55
Total	—	—	—	—	—	—	—	—	—	—	151	0.01	< 0.005	152

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

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

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.85	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.95	0.05	5.80	< 0.005	0.01	—	0.01	0.01	—	0.01	23.9	< 0.005	< 0.005	23.9
Total	4.14	0.05	5.80	< 0.005	0.01	—	0.01	0.01	—	0.01	23.9	< 0.005	< 0.005	23.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.85	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.12	0.01	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.71	< 0.005	< 0.005	2.71
Total	0.70	0.01	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.71	< 0.005	< 0.005	2.71

4.3.1. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.85	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.95	0.05	5.80	< 0.005	0.01	—	0.01	0.01	—	0.01	23.9	< 0.005	< 0.005	23.9
Total	4.14	0.05	5.80	< 0.005	0.01	—	0.01	0.01	—	0.01	23.9	< 0.005	< 0.005	23.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.85	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.19	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.12	0.01	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.71	< 0.005	< 0.005	2.71
Total	0.70	0.01	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.71	< 0.005	< 0.005	2.71

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	60.5	1.00	0.02	92.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	60.5	1.00	0.02	92.8

4.4.1. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	365	6.06	0.15	560
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	60.5	1.00	0.02	92.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	60.5	1.00	0.02	92.8

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	11.2	1.11	0.00	39.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.2	1.11	0.00	39.0

4.5.1. Mitigated

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

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

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	67.4	6.73	0.00	236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	11.2	1.11	0.00	39.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.2	1.11	0.00	39.0

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	588
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	588

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	3,555
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	588
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	588

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/2/2023	10/20/2023	5.00	15.0	—
Site Preparation	Site Preparation	10/23/2023	11/10/2023	5.00	15.0	—
Grading	Grading	11/13/2023	11/24/2023	5.00	10.0	—

Building Construction	Building Construction	11/27/2023	10/11/2024	5.00	230	—
Paving	Paving	10/14/2024	10/25/2024	5.00	10.0	—
Architectural Coating	Architectural Coating	5/27/2024	11/1/2024	5.00	115	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 3	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 3	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 3	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 3	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 3	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 3	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 3	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Tier 3	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 3	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 3	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 3	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 3	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 3	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 3	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 3	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 3	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 3	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 3	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 3	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Tier 3	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 3	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 3	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 3	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	36.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	115	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	56.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	21.9	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	36.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2

Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	115	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	56.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	21.9	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	200,067	66,689	157

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	47,932	—
Site Preparation	0.00	0.00	22.5	0.00	—
Grading	9,155	0.00	10.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.06

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-Rail	0.00	0%
Parking Lot	0.06	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-Rail	193	193	193	70,390	1,757	1,757	1,757	641,221
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-Rail	193	193	193	70,390	1,757	1,757	1,757	641,221
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	200,067	66,689	157

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-Rail	624,257	532	0.0330	0.0040	0.00
Parking Lot	2,290	532	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-Rail	624,257	532	0.0330	0.0040	0.00
Parking Lot	2,290	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-Rail	30,756,250	172,865
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-Rail	30,756,250	172,865
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-Rail	125	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-Rail	125	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.14.2. Mitigated

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

Unrefrigerated Warehouse-Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

8. User Changes to Default Data

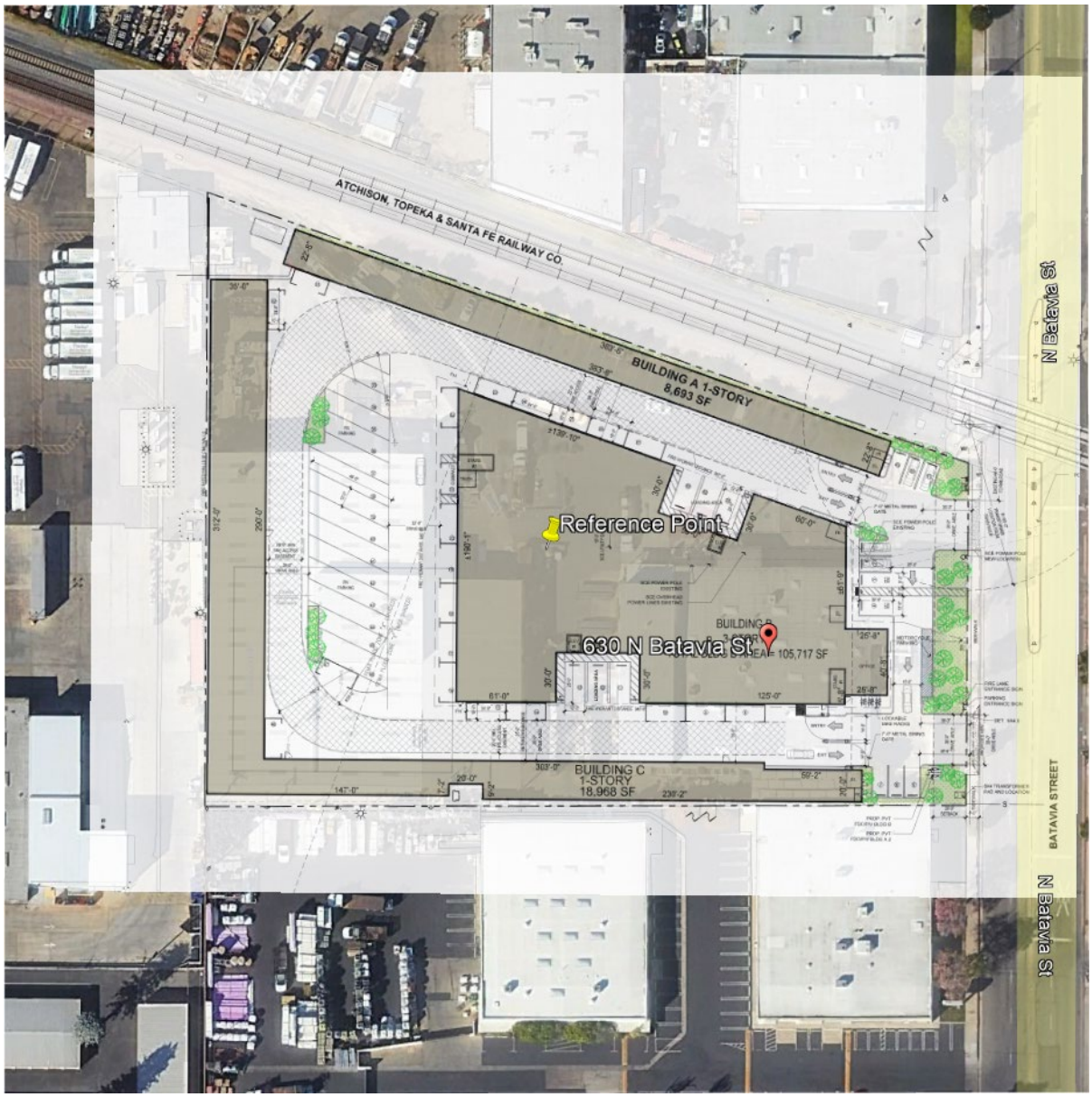
Screen	Justification
Land Use	Total project site is 3.06 acres. Project would consist of 3 self-storage buildings totaling 133,378 sf

Construction: Construction Phases	Construction will start in the fourth quarter of 2023 and occur for approximately 13 months. Overlap between building construction and architectural coating.
Construction: Off-Road Equipment	Default construction equipment with Tier 3 engine
Operations: Vehicle Data	Based on a trip generation of 193 average daily trips
Operations: Energy Use	Project would not utilize natural gas

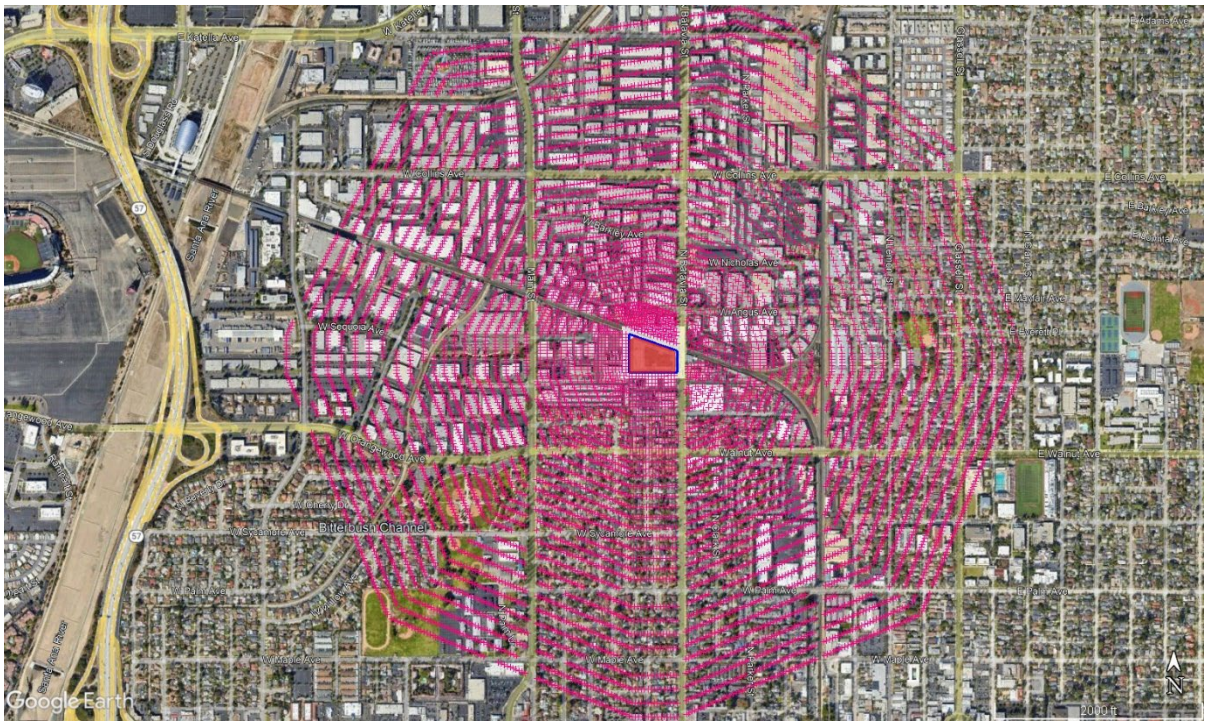
APPENDIX B

HRA MODEL SNAPSHOTS AND OUTPUTS

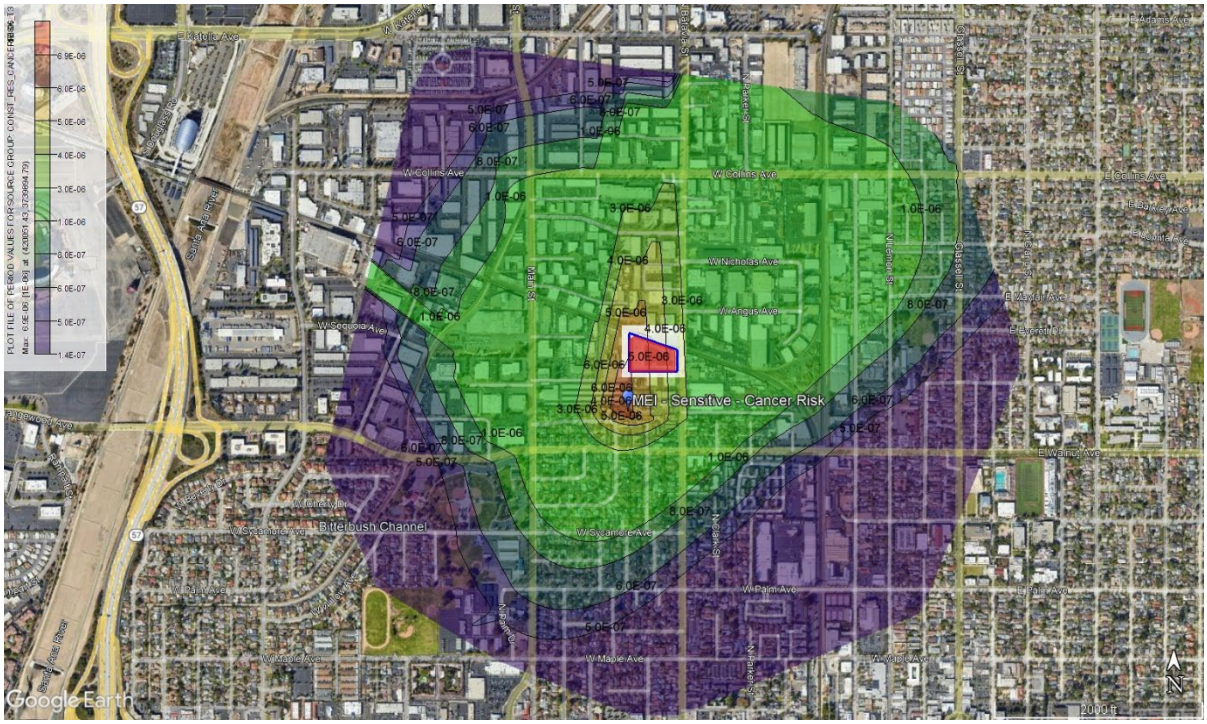
Project Location



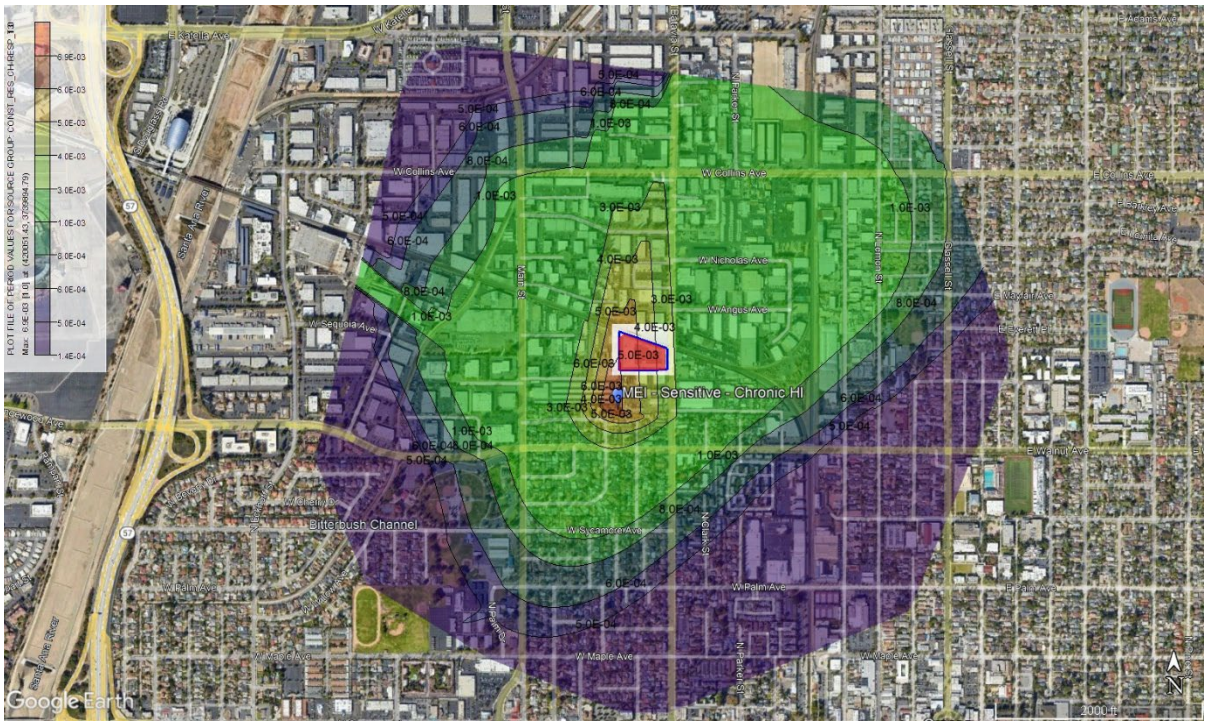
Receptor Grid



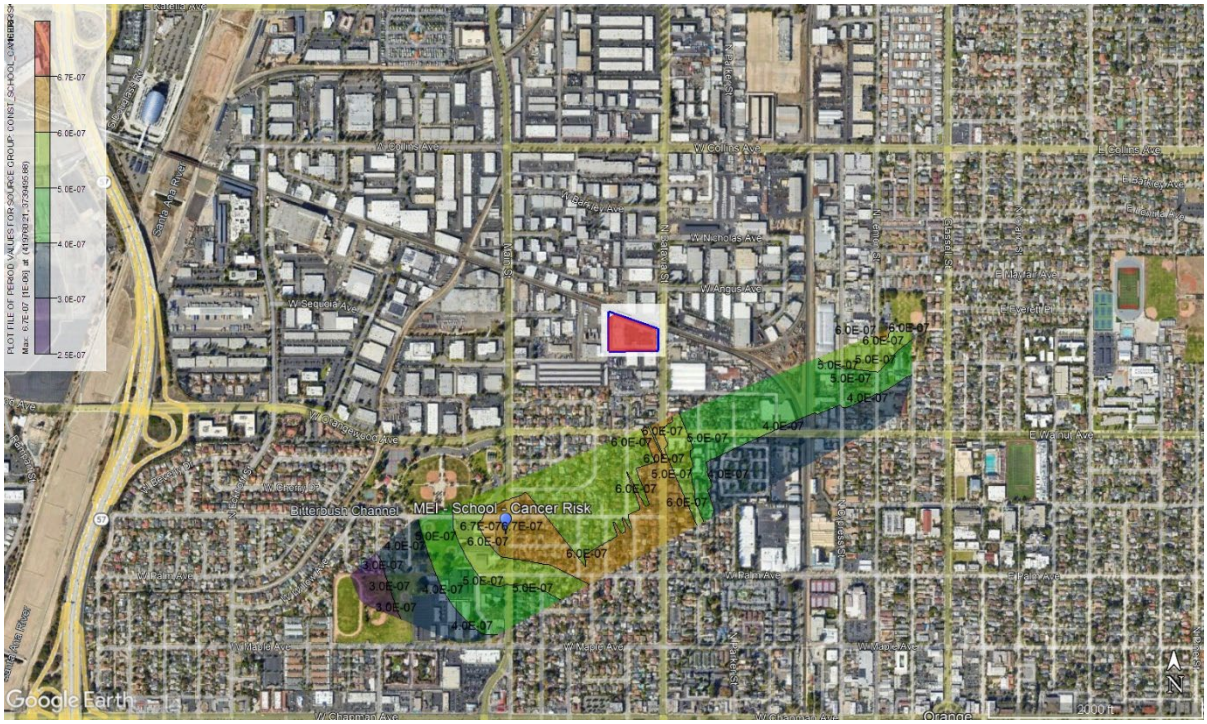
Construction Cancer Risk – Residential Receptors



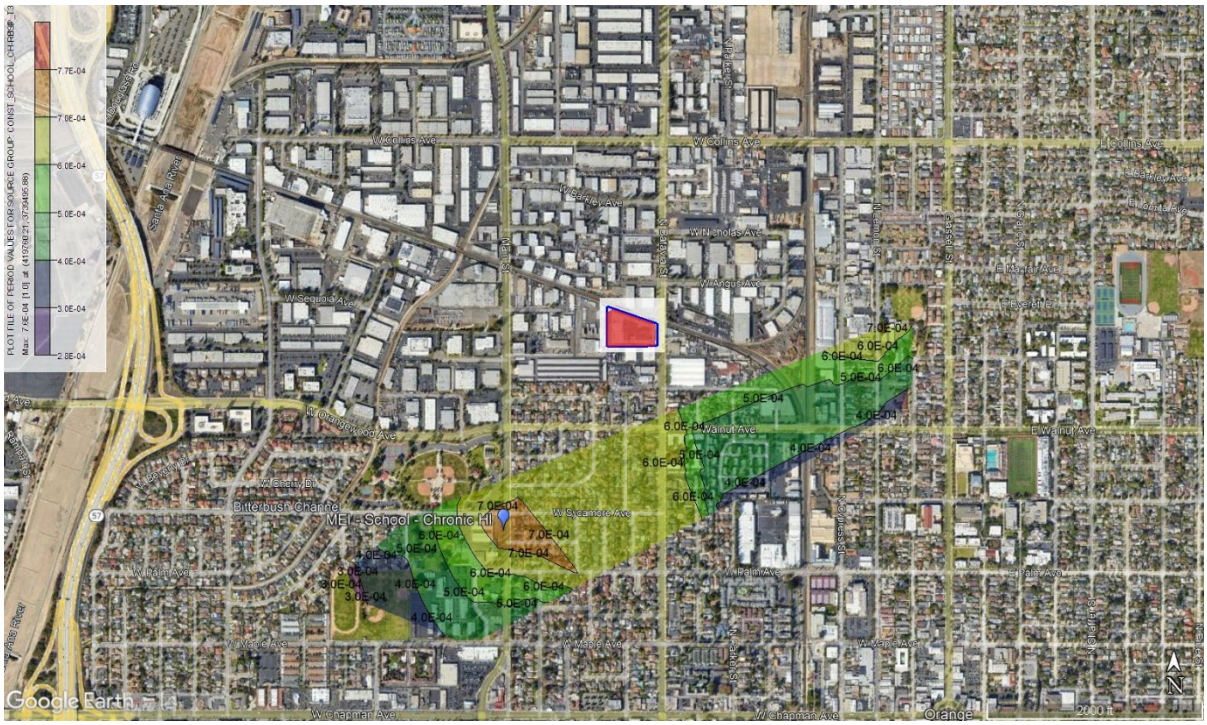
Construction Chronic Hazard Index – Residential Receptors



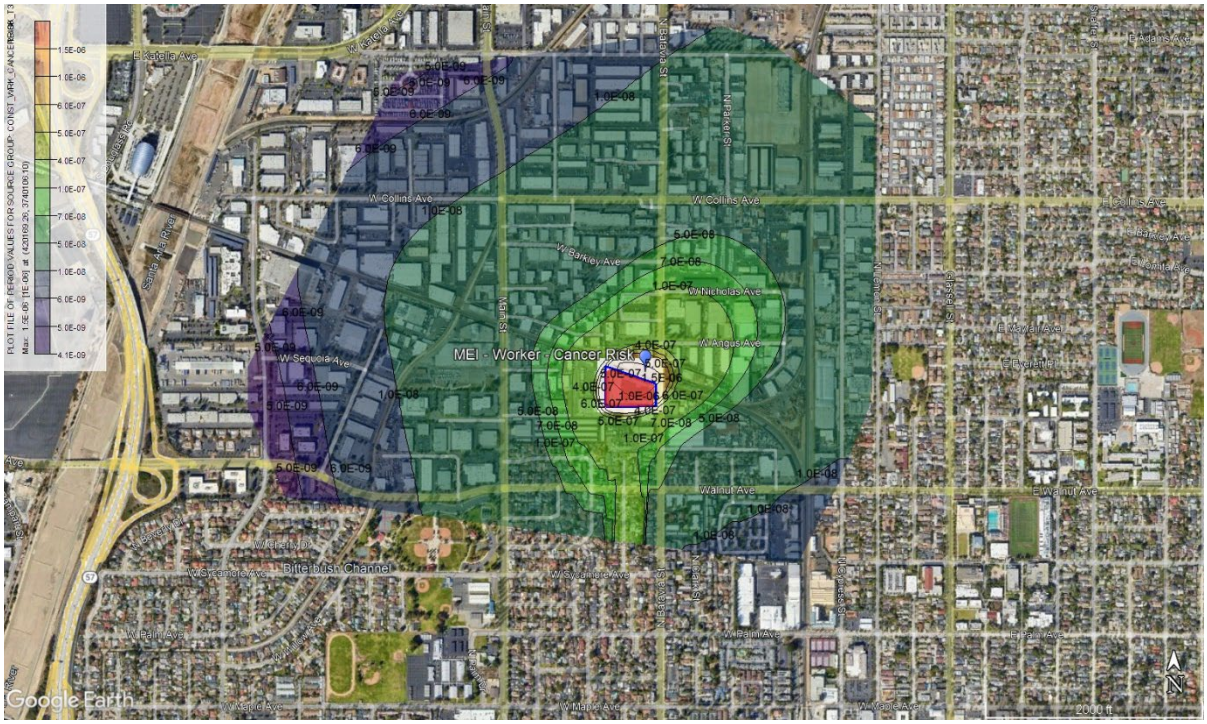
Construction Cancer Risk – School Receptors



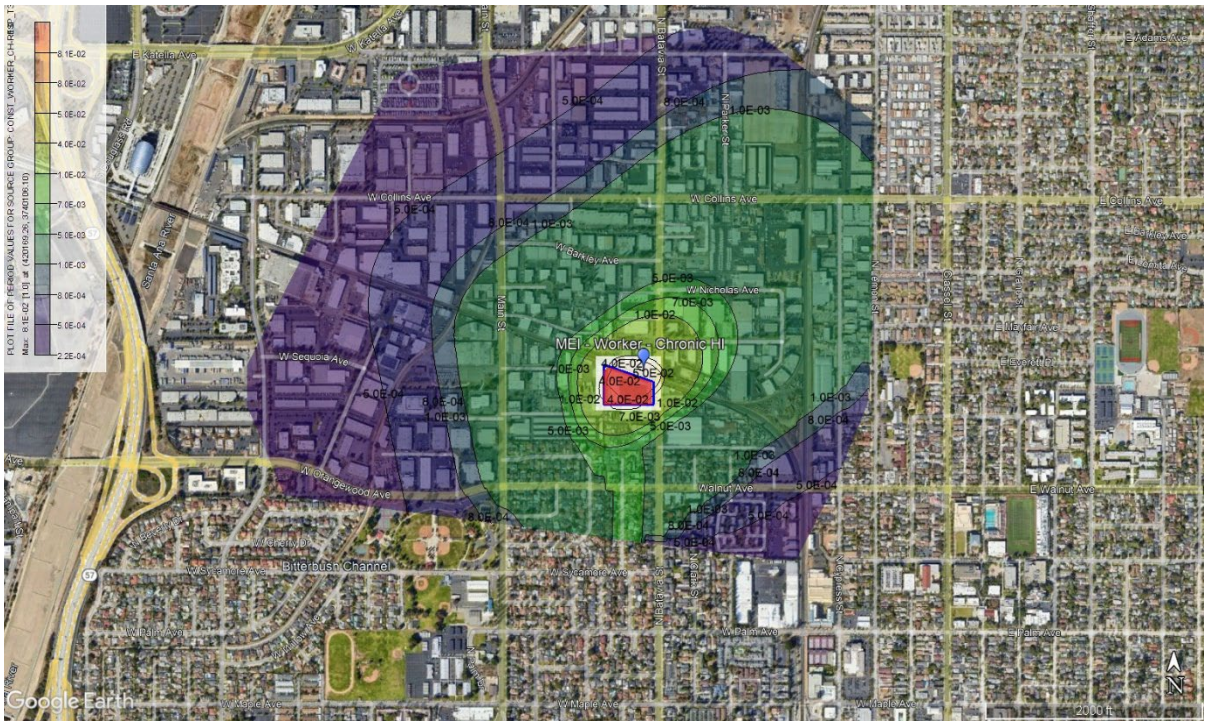
Construction Chronic Hazard Index – School Receptors



Construction Cancer Risk – Worker Receptors



Construction Chronic Hazard Index – Worker Receptors



General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM not available**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**100**
	Grid 2	**20**	**200**
	Grid 3	**30**	**300**
	Grid 4	**40**	**400**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Fontana**	
	Provided By	**South Coast AQMD**	
	Years	**2012 - 2016**	
	Elevation (m)	**17**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/FontanaADJU.zip?sfvrsn=7	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**Orange**	
	Urban Grouping / Pop	**Y**	**3,010,232**
	# of Worker Receptors	**5,326**	
	# of Sensitive Receptors	**3,650**	
	# of School Receptors	**355**	
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**11248.5**	
	Ht. of Source (m)	**3.048**	

General HARP Input Parameters		
Construction		
School Receptors		
School Scenario Parameters		
	Class Grade	**K-12**
	Starting Age	**4**
	Age Range	**4 Year Old - 5 Years Old**

	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
School Pathway Parameters		
	Pathways	**SCAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 2 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 2006 X: 420051.43 Y: 3739894.79			
Unmitigated	T2	T3	T4
6.94	0.00	6.94	0.74
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 2006 X: 420051.43 Y: 3739894.79			
Unmitigated	T2	T3	T4
6.93E-03	0.00E+00	6.93E-03	6.78E-04
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
Unmitigated	T2	T3	T4
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 2006 X: 420051.43 Y: 3739894.79			
Unmitigated	T2	T3	T4
0.035	0.000	0.035	0.003

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 1523 X: 420169.26 Y: 3740106.1			
Unmitigated	T2	T3	T4
1.46	0.00	1.46	0.15
MEI (Worker) - Chronic Hazard Index HARP Rec #: 1523 X: 420169.26 Y: 3740106.1			
Unmitigated	T2	T3	T4
8.06E-02	0.00E+00	8.06E-02	7.89E-03
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
Unmitigated	T2	T3	T4
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 1523 X: 420169.26 Y: 3740106.1			
Unmitigated	T2	T3	T4
0.403	0.000	0.403	0.039

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 63 X: 419760.21 Y: 3739495.88			
Unmitigated	T2	T3	T4
0.67	0.00	0.67	0.07
MEI (School) - Chronic Hazard Index HARP Rec #: 63 X: 419760.21 Y: 3739495.88			
Unmitigated	T2	T3	T4
0.00E+00	7.63E-04	0.00E+00	7.47E-05
MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
Unmitigated	T2	T3	T4
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (School) - PM 2.5 HARP Rec #: 63 X: 419760.21 Y: 3739495.88			
Unmitigated	T2	T3	T4
0.0038	0.0000	0.0038	0.0004

	Zone	**11**	Process Coordinates									
	Datum	**WGS 1984**										
	KML File Name	**ESL2201.60 Project MEI**										
										Sensitive		
Description	**Receptor Type**	**Model Type**	**UTM X**	**UTM Y**	**Latitude**	**Longitude**			Unmitigated	T2	T2L3	T4	**Row**
Construction	Sensitive	Cancer Risk	420051.43	3739894.79	33.79620174	-117.8636634		**Col**	2	3	4	5	4
Construction	Sensitive	Chronic HI	420051.43	3739894.79	33.79620174	-117.8636634			2	3	4	5	7
Construction	Sensitive	Acute HI	0	0					2	3	4	5	10
Construction	Sensitive	PM 2.5	420051.43	3739894.79	33.79620174	-117.8636634			2	3	4	5	13
Construction	School	Cancer Risk	419760.21	3739495.88	33.79258223	-117.8667728			12	13	14	15	4
Construction	School	Chronic HI	419760.21	3739495.88	33.79258223	-117.8667728			12	13	14	15	7
Construction	School	Acute HI	0	0					12	13	14	15	10
Construction	School	PM 2.5	419760.21	3739495.88	33.79258223	-117.8667728			12	13	14	15	13
Construction	Worker	Cancer Risk	420169.26	3740106.10	33.79811627	-117.8624097			7	8	9	10	4
Construction	Worker	Chronic HI	420169.26	3740106.10	33.79811627	-117.8624097			7	8	9	10	7
Construction	Worker	Acute HI	0	0					7	8	9	10	10
Construction	Worker	PM 2.5	420169.26	3740106.10	33.79811627	-117.8624097			7	8	9	10	13

PM 10				
Tons/Yr	Unmitigated	T2	T3	T4
Year 1	0.02313	0.00E+00	2.31E-02	2.91E-03
Year 2	0.05765	0.00E+00	5.77E-02	5.65E-03
Year 3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Year 4	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PM 2.5				
Tons/Yr	UM	T2	T3	T4
Year 1	2.09E-02	0.00E+00	2.09E-02	2.85E-03
Year 2	5.20E-02	0.00E+00	5.20E-02	5.15E-03
Year 3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Year 4	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PM 10				
Lbs /Yr	Unmitigated	T2	T3	T4
Year 1	46.26	0	46.26	5.818
Year 2	115.3	0	115.3	11.29
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 2.5				
Lbs /Yr	UM	T2	T3	T4
Year 1	41.76	0	41.76	5.695
Year 2	104	0	104	10.29
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	Unmitigated	T2	T3	T4
Year 1	100%	0%	100%	13%
Year 2	100%	0%	100%	10%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

PM 2.5				
g/sec	UM	T2	T3	T4
Year 1	0.0006007	0	0.0006007	8.19144E-05
Year 2	0.0014959	0	0.0014959	0.000148007
Year 3	0	0	0	0
Year 4	0	0	0	0

			UnMitigated				2010	T2					T2L3					T4				
							6.94E-06					0.00E+00					6.94E-06					7.38E-07
					2006	420051.43	3739894.79															
			Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total
1	420199.63	3739867.71	1.08E-06	2.49E-06	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	2.49E-06	0.00E+00	0.00E+00	3.57E-06	1.36E-07	2.44E-07	0.00E+00	0.00E+00	3.80E-07
2	420190.26	3739867.71	1.14E-06	2.63E-06	0.00E+00	0.00E+00	3.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	2.63E-06	0.00E+00	0.00E+00	3.78E-06	1.44E-07	2.58E-07	0.00E+00	0.00E+00	4.02E-07
3	420180.89	3739867.71	1.21E-06	2.79E-06	0.00E+00	0.00E+00	4.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.79E-06	0.00E+00	0.00E+00	4.00E-06	1.52E-07	2.73E-07	0.00E+00	0.00E+00	4.25E-07
4	420171.52	3739867.71	1.28E-06	2.95E-06	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	2.95E-06	0.00E+00	0.00E+00	4.23E-06	1.61E-07	2.88E-07	0.00E+00	0.00E+00	4.49E-07
5	420162.15	3739867.71	1.35E-06	3.11E-06	0.00E+00	0.00E+00	4.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	3.11E-06	0.00E+00	0.00E+00	4.45E-06	1.70E-07	3.04E-07	0.00E+00	0.00E+00	4.74E-07
6	420152.78	3739867.71	1.42E-06	3.26E-06	0.00E+00	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	3.26E-06	0.00E+00	0.00E+00	4.68E-06	1.78E-07	3.19E-07	0.00E+00	0.00E+00	4.97E-07
7	420143.41	3739867.71	1.48E-06	3.41E-06	0.00E+00	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	3.41E-06	0.00E+00	0.00E+00	4.89E-06	1.86E-07	3.34E-07	0.00E+00	0.00E+00	5.20E-07
8	420134.04	3739867.71	1.54E-06	3.55E-06	0.00E+00	0.00E+00	5.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	3.55E-06	0.00E+00	0.00E+00	5.09E-06	1.94E-07	3.47E-07	0.00E+00	0.00E+00	5.41E-07
9	420124.67	3739867.71	1.59E-06	3.67E-06	0.00E+00	0.00E+00	5.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	3.67E-06	0.00E+00	0.00E+00	5.26E-06	2.00E-07	3.59E-07	0.00E+00	0.00E+00	5.60E-07
10	420115.3	3739867.71	1.64E-06	3.77E-06	0.00E+00	0.00E+00	5.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	3.77E-06	0.00E+00	0.00E+00	5.41E-06	2.06E-07	3.69E-07	0.00E+00	0.00E+00	5.75E-07
11	420105.93	3739867.71	1.67E-06	3.85E-06	0.00E+00	0.00E+00	5.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	3.85E-06	0.00E+00	0.00E+00	5.53E-06	2.10E-07	3.77E-07	0.00E+00	0.00E+00	5.88E-07
12	420096.56	3739867.71	1.70E-06	3.91E-06	0.00E+00	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-06	3.91E-06	0.00E+00	0.00E+00	5.61E-06	2.14E-07	3.83E-07	0.00E+00	0.00E+00	5.97E-07
13	420087.19	3739867.71	1.71E-06	3.94E-06	0.00E+00	0.00E+00	5.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	3.94E-06	0.00E+00	0.00E+00	5.66E-06	2.16E-07	3.86E-07	0.00E+00	0.00E+00	6.02E-07
14	420077.82	3739867.71	1.72E-06	3.96E-06	0.00E+00	0.00E+00	5.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	3.96E-06	0.00E+00	0.00E+00	5.68E-06	2.16E-07	3.87E-07	0.00E+00	0.00E+00	6.04E-07
15	420068.45	3739867.71	1.71E-06	3.94E-06	0.00E+00	0.00E+00	5.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	3.94E-06	0.00E+00	0.00E+00	5.66E-06	2.15E-07	3.86E-07	0.00E+00	0.00E+00	6.01E-07
16	420233.18	3739857.69	8.22E-07	1.89E-06	0.00E+00	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-07	1.89E-06	0.00E+00	0.00E+00	2.71E-06	1.03E-07	1.85E-07	0.00E+00	0.00E+00	2.89E-07
17	420249.31	3739864.35	7.86E-07	1.81E-06	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-07	1.81E-06	0.00E+00	0.00E+00	2.59E-06	9.88E-08	1.77E-07	0.00E+00	0.00E+00	2.76E-07
18	420265.43	3739871	7.51E-07	1.73E-06	0.00E+00	0.00E+00	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-07	1.73E-06	0.00E+00	0.00E+00	2.48E-06	9.45E-08	1.69E-07	0.00E+00	0.00E+00	2.64E-07
19	420199.63	3739847.71	9.26E-07	2.13E-06	0.00E+00	0.00E+00	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-07	2.13E-06	0.00E+00	0.00E+00	3.06E-06	1.16E-07	2.09E-07	0.00E+00	0.00E+00	3.25E-07
20	420190.26	3739847.71	9.76E-07	2.25E-06	0.00E+00	0.00E+00	3.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-07	2.25E-06	0.00E+00	0.00E+00	3.22E-06	1.23E-07	2.20E-07	0.00E+00	0.00E+00	3.43E-07
21	420180.89	3739847.71	1.03E-06	2.37E-06	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	2.37E-06	0.00E+00	0.00E+00	3.40E-06	1.29E-07	2.32E-07	0.00E+00	0.00E+00	3.61E-07
22	420171.52	3739847.71	1.08E-06	2.49E-06	0.00E+00	0.00E+00	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	2.49E-06	0.00E+00	0.00E+00	3.57E-06	1.36E-07	2.44E-07	0.00E+00	0.00E+00	3.80E-07
23	420162.15	3739847.71	1.14E-06	2.61E-06	0.00E+00	0.00E+00	3.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	2.61E-06	0.00E+00	0.00E+00	3.75E-06	1.43E-07	2.56E-07	0.00E+00	0.00E+00	3.99E-07
24	420152.78	3739847.71	1.19E-06	2.74E-06	0.00E+00	0.00E+00	3.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-06	2.74E-06	0.00E+00	0.00E+00	3.92E-06	1.49E-07	2.68E-07	0.00E+00	0.00E+00	4.17E-07
25	420143.41	3739847.71	1.24E-06	2.85E-06	0.00E+00	0.00E+00	4.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.85E-06	0.00E+00	0.00E+00	4.09E-06	1.56E-07	2.79E-07	0.00E+00	0.00E+00	4.35E-07
26	420134.04	3739847.71	1.29E-06	2.96E-06	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.96E-06	0.00E+00	0.00E+00	4.25E-06	1.62E-07	2.90E-07	0.00E+00	0.00E+00	4.52E-07
27	420124.67	3739847.71	1.33E-06	3.06E-06	0.00E+00	0.00E+00	4.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	3.06E-06	0.00E+00	0.00E+00	4.38E-06	1.67E-07	2.99E-07	0.00E+00	0.00E+00	4.66E-07
28	420115.3	3739847.71	1.36E-06	3.14E-06	0.00E+00	0.00E+00	4.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	3.14E-06	0.00E+00	0.00E+00	4.51E-06	1.72E-07	3.08E-07	0.00E+00	0.00E+00	4.79E-07
29	420105.93	3739847.71	1.40E-06	3.21E-06	0.00E+00	0.00E+00	4.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	3.21E-06	0.00E+00	0.00E+00	4.61E-06	1.76E-07	3.15E-07	0.00E+00	0.00E+00	4.90E-07
30	420096.56	3739847.71	1.42E-06	3.27E-06	0.00E+00	0.00E+00	4.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	3.27E-06	0.00E+00	0.00E+00	4.69E-06	1.79E-07	3.20E-07	0.00E+00	0.00E+00	4.99E-07
31	420087.19	3739847.71	1.44E-06	3.31E-06	0.00E+00	0.00E+00	4.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	3.31E-06	0.00E+00	0.00E+00	4.75E-06	1.81E-07	3.24E-07	0.00E+00	0.00E+00	5.05E-07
32	420077.82	3739847.71	1.45E-06	3.33E-06	0.00E+00	0.00E+00	4.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	3.33E-06	0.00E+00	0.00E+00	4.78E-06	1.82E-07	3.26E-07	0.00E+00	0.00E+00	5.08E-07
33	420068.45	3739847.71	1.45E-06	3.34E-06	0.00E+00	0.00E+00	4.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	3.34E-06	0.00E+00	0.00E+00	4.79E-06	1.82E-07	3.27E-07	0.00E+00	0.00E+00	5.09E-07
34	420234.39	3739838.19	7.17E-07	1.65E-06	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-07	1.65E-06	0.00E+00	0.00E+00	2.37E-06	9.02E-08	1.62E-07	0.00E+00	0.00E+00	2.52E-07
35	420242.86	3739841.69	7.02E-07	1.62E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-07	1.62E-06	0.00E+00	0.00E+00	2.32E-06	8.83E-08	1.58E-07	0.00E+00	0.00E+00	2.46E-07
36	420251.32	3739845.18	6.87E-07	1.58E-06	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-07	1.58E-06	0.00E+00	0.00E+00	2.27E-06	8.64E-08	1.55E-07	0.00E+00	0.00E+00	2.41E-07
37	420259.79	3739848.67	6.73E-07	1.55E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-07	1.55E-06	0.00E+00	0.00E+00	2.22E-06	8.46E-08	1.52E-07	0.00E+00	0.00E+00	2.36E-07
38	420268.25	3739852.17	6.59E-07	1.52E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	1.52E-06	0.00E+00	0.00E+00	2.18E-06	8.28E-08	1.48E-07	0.00E+00	0.00E+00	2.31E-07
39	420276.71	3739855.66	6.45E-07	1.48E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-07	1.48E-06	0.00E+00	0.00E+00	2.13E-06	8.11E-08	1.45E-07	0.00E+00	0.00E+00	2.26E-07
40	420285.18	3739859.15	6.31E-07	1.45E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	1.45E-06	0.00E+00	0.00E+00	2.08E-06	7.94E-08	1.42E-07	0.00E+00	0.00E+00	2.22E-07
41	420293.64	3739862.65	6.18E-07	1.42E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-07	1.42E-06	0.00E+00	0.00E+00	2.04E-06	7.77E-08	1.39E-07	0.00E+00	0.00E+00	2.17E-07
42	420302.11	3739866.14	6.05E-07	1.39E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-07	1.39E-06	0.00E+00	0.00E+00	2.00E-06	7.61E-08	1.36E-07	0.00E+00	0.00E+00	2.12E-07
43	420310.57	3739869.64	5.93E-07	1.36E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.36E-06	0.00E+00	0.00E+00	1.96E-06	7.45E-08	1.34E-07	0.00E+00	0.00E+00	2.08E-07
44	420319.04	3739873.13	5.81E-07	1.34E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	1.34E-06	0.00E+00	0.00E+00	1.92E-06	7.31E-08	1.31E-07	0.00E+00	0.00E+00	2.04E-07
45	420327.5	3739876.62	5.70E-07	1.31E-06	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-07	1.31E-06	0.00E+00	0.00E+00	1.88E-06	7.17E-08	1.28E-07	0.00E+00	0.00E+00	2.00E-07
46	420209	3739827.71	7.65E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	9.62E-08	1.72E-07	0.00E+00	0.00E+00	2.69E-07
47	420199.63	3739827.71	8.04E-07	1.85E-06	0.00E+00	0.00E+00	2.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-07	1.85E-06	0.00E+00	0.00E+00	2.65E-06	1.01E-07	1.81E-07	0.00E+00	0.00E+00	2.82E-07
48	420190.26	3739827.71	8.44E-07	1.94E-06	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-07	1.94E-06	0.00E+00	0.00E+00	2.79E-06	1.06E-07	1.90E-07	0.00E+00	0.00E+00	2.97E-07
49	420180.89	3739827.71	8.86E-07	2.04E-06	0.00E+00	0.00E+00	2.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-07	2.04E-06	0.00E+00	0.00E+00	2.93E-06	1.11E-07	2.00E-07	0.00E+00	0.00E+00	3.11E-07
50	420171.52	3739827.71	9.29E-07	2.14E-06	0.00E+00	0.00E+00	3.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	2.14E-06	0.00E+00	0.00E+00	3.07E-06	1.17E-07	2.09E-07	0.00E+00	0.00E+00	3.26E-07
51	420162.15	3739827.71	9.71E-07	2.24E-06	0.00E+00	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-07	2.24E-06	0.00E+00	0.00E+00	3.21E-06	1.22E-07	2.19E-07	0.00E+00	0.00E+00	3.41E-07
52	420152.78	3739827.71	1.01E-06	2.33E-06	0.00E+00	0.00E+00	3.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	2.33E-06	0.00E+00	0.00E+00	3.35E-06	1.27E-07	2.28E-07	0.00E+00	0.00E+00	3.56E-07
53	420143.41	3739827.71	1.05E-06	2.42E-06	0.00E+00	0.00E+00	3.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	2.42E-06	0.00E+00	0.00E+00	3.48E-06	1.32E-07	2.37E-07	0.00E+00	0.00E+00	3.70E-07
54	420134.04	3739827.71	1.09E-06	2.51E-06	0.00E+00	0.00E+00	3.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	2.51E-06	0.00E+00	0.00E+00	3.60E-06	1.37E-07	2.46E-07	0.00E+00	0.00E+00	3.83E-07
55	420124.67	3739827.71	1.12E-06	2.58E-06	0.00E+00	0.00E+00	3.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	2.58E-06	0.00E+00	0.00E+00	3.71E-06	1.41E-07	2.53E-07	0.00E+00	0.00E+00	3.94E-07
56	420115.3	3739827.71	1.15E-06	2.65E-06	0.00E+00	0.00E+00	3.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	2.65E-06	0.00E+00	0.00E+00	3.81E-06	1.45E-07	2.60E-07	0.00E+00	0.00E+00	4.05E-07
57	420105.93	3739827.71	1.18E-06	2.72E-06	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.72E-06	0.00E+00	0.00E+00	3.90E-06	1.49E-07	2.66E-07	0.00E+00	0.00E+00	4.15E-07
58	420096.56	3739827.71	1.21E-06	2.77E-06	0.00E+00	0.00E+00	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.77E-06	0.00E+00	0.00E+00	3.98E-06	1.52E-07	2.72E-07	0.00E+00	0.00E+00	4.23E-07
59	420087.19	3739827.71	1.22E-06	2.82E-06	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.82E-06	0.00E+00	0.00E+00	4.04E-06	1.54E-07	2.76E-07	0.00E+00	0.00E+00	4.30E-07
60	420077.82	3739827.71	1.24E-06	2.84E-06	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.84E-06	0.00E+00	0.00E+00	4.08E-06	1.55E-07	2.79E-07	0.00E+00	0.00E+00	4.34E-07
61	420068.45	3739827.71	1.24E-06	2.86E-06	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.86E-06	0.00E+00	0.00E+00	4.10E-06	1.56E-07	2.80E-07	0.00E+00	0.00E+00	4.36E-07
62	420233.9	3739817.99	6.36E-07	1.46E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-07	1.46E-06	0.00E+00	0.00E+00	2.10E-06	8.00E-08	1.43E-07	0.00E+00	0.00E+00	2.23E-07
63	420250.49	3739824.84	6.11E-07	1.41E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-07	1.41E-06	0.00E+00	0.00E+00	2.02E-06	7.69E-08	1.38E-07	0.00E+00	0.00E+00	2.15E-07
64	420267.09	3739831.69	5.88E-07	1.35E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-07	1.35E-06	0.00E+00	0.00E+00	1.94E-06	7.39E-08	1.33E-07	0.00E+00	0.00E+00	2.06E-07
65	420283.69	3739838.54	5.65E-07	1.30E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	1.30E-06	0.00E+00	0.00E+00	1.87E-06	7.11E-08	1.27E-07	0.00E+00	0.00E+00	1.98E-07
66	420300.28	3739845.39	5.44E-07	1.25E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-07	1.25E-06	0.00E+00	0.00E+00	1.79E-06	6.84E-08	1.23E-07	0.00E+00	0.00E+00	1.91E-07
67	420316.88	3739852.24	5.23E-07	1.20E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	1.20E-06	0.00E+00	0.00E+00	1.73E-06	6.58E-08	1.18E-07	0.00E+00	0.00E+00	1.84E-07
68	420325.18	3739855.66	5.14E-07	1.18E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	1.18E-06	0.00E+00	0.00E+00	1.70E-06	6.46E-08	1.16E-07	0.00E+00	0.00E+00	1.80E-07
69	420341.77	3739862.52	4.96E-07	1.14E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-07	1.14E-06	0.00E+00	0.00E+00	1.64E-06	6.24E-08	1.12E-07	0.00E+00	0.00E+00	1.74E-07
70	420353.54	3739874.22	5.02E-07	1.16E-06	0.00E+00	0.00E+00	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-07	1.16E-06	0.00E+00	0.00E+00	1.66E-06	6.31E-08	1.13E-07	0.00E+00	0.00E+00	1.76E-07
71	420209	3739807.71	6.75E-07	1.55E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-07	1.55E-06	0.00E+00	0.00E+00	2.23E-06	8.49E-08	1.52E-07	0.00E+00	0.00E+00	2.37E-07
72	420199.63	3739807.71	7.06E-07	1.63E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-07	1.63E-06	0.00E+00	0.00E+00	2.33E-06	8.88E-08	1.59E-07	0.00E+00	0.00E+00	2.48E-07
73	420190.26	3739807.71	7.39E-07	1.70E-06	0.00E+00	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-07	1.70E-06	0.00E+00	0.00E+00	2.44E-06	9.30E-08	1.67E-07	0.00E+00	0.00E+00	2.60E-07
74	420180.89	3739807.71	7.73E-07	1.78E-06	0.00E+00	0.00E+00	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-07	1.78E-06	0.00E+00	0.00E+00	2.55E-06	9.72E-08	1.74E-07	0.00E+00	0.00E+00	2.71E-07
75	420171.52	3739807.71	8.07E-07	1.86E-06	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-07	1.86E-06	0.00E+00	0.00E+00	2.67E-06	1.02E-07	1.82E-07	0.00E+00	0.00E+00	2.83E-07
76	420162.15	3739807.71	8.42E-07	1.94E-06	0.00E+00	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-07	1.94E-06	0.00E+00	0.00E+00	2.78E-06	1.06E-07	1.90E-07	0.00E+00	0.00E+00	2.96E-07
77	420152.78	3739807.71	8.76E-07	2.02E-06	0.00E+00	0.00E+00	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-07	2.02E-06	0.00E+00	0.00E+00	2.89E-06	1.10E-07	1.97E-07	0.00E+00	0.00E+00	3.08E-07
78	420143.41	3739807.71	9.09E-07	2.09E-06	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-07	2.09E-06	0.00E+00	0.00E+00	3.00E-06	1.14E-07	2.05E-07	0.00E+00	0.00E+00	3.19E-07
79

127	420319.04	3739813.13	4.27E-07	9.83E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	9.83E-07	0.00E+00	0.00E+00	1.41E-06	5.37E-08	9.63E-08	0.00E+00	0.00E+00	1.50E-07
128	420327.5	3739816.62	4.20E-07	9.66E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	9.66E-07	0.00E+00	0.00E+00	1.39E-06	5.28E-08	9.46E-08	0.00E+00	0.00E+00	1.47E-07
129	420335.97	3739820.12	4.12E-07	9.49E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	9.49E-07	0.00E+00	0.00E+00	1.36E-06	5.18E-08	9.29E-08	0.00E+00	0.00E+00	1.45E-07
130	420344.43	3739823.61	4.05E-07	9.32E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	9.32E-07	0.00E+00	0.00E+00	1.34E-06	5.09E-08	9.13E-08	0.00E+00	0.00E+00	1.42E-07
131	420352.89	3739827.11	3.98E-07	9.17E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-07	9.17E-07	0.00E+00	0.00E+00	1.32E-06	5.01E-08	8.98E-08	0.00E+00	0.00E+00	1.40E-07
132	420361.36	3739830.6	3.92E-07	9.02E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	9.02E-07	0.00E+00	0.00E+00	1.29E-06	4.93E-08	8.83E-08	0.00E+00	0.00E+00	1.38E-07
133	420369.82	3739834.09	3.86E-07	8.88E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	8.88E-07	0.00E+00	0.00E+00	1.27E-06	4.85E-08	8.69E-08	0.00E+00	0.00E+00	1.35E-07
134	420381.82	3739846.03	3.90E-07	8.97E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	8.97E-07	0.00E+00	0.00E+00	1.29E-06	4.90E-08	8.78E-08	0.00E+00	0.00E+00	1.37E-07
135	420385.36	3739854.48	4.00E-07	9.21E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	9.21E-07	0.00E+00	0.00E+00	1.32E-06	5.03E-08	9.02E-08	0.00E+00	0.00E+00	1.41E-07
136	420388.89	3739862.93	4.11E-07	9.47E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	9.47E-07	0.00E+00	0.00E+00	1.36E-06	5.17E-08	9.27E-08	0.00E+00	0.00E+00	1.44E-07
137	420392.43	3739871.38	4.23E-07	9.73E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	9.73E-07	0.00E+00	0.00E+00	1.40E-06	5.32E-08	9.53E-08	0.00E+00	0.00E+00	1.49E-07
138	420199.63	3739767.71	5.61E-07	1.29E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-07	1.29E-06	0.00E+00	0.00E+00	1.85E-06	7.05E-08	1.26E-07	0.00E+00	0.00E+00	1.97E-07
139	420190.26	3739767.71	5.83E-07	1.34E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-07	1.34E-06	0.00E+00	0.00E+00	1.92E-06	7.33E-08	1.31E-07	0.00E+00	0.00E+00	2.05E-07
140	420180.89	3739767.71	6.06E-07	1.39E-06	0.00E+00	0.00E+00	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-07	1.39E-06	0.00E+00	0.00E+00	2.00E-06	7.62E-08	1.36E-07	0.00E+00	0.00E+00	2.13E-07
141	420171.52	3739767.71	6.29E-07	1.45E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.45E-06	0.00E+00	0.00E+00	2.08E-06	7.91E-08	1.42E-07	0.00E+00	0.00E+00	2.21E-07
142	420162.15	3739767.71	6.52E-07	1.50E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-07	1.50E-06	0.00E+00	0.00E+00	2.15E-06	8.21E-08	1.47E-07	0.00E+00	0.00E+00	2.29E-07
143	420152.78	3739767.71	6.76E-07	1.56E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.56E-06	0.00E+00	0.00E+00	2.23E-06	8.50E-08	1.52E-07	0.00E+00	0.00E+00	2.37E-07
144	420143.41	3739767.71	6.99E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	8.80E-08	1.58E-07	0.00E+00	0.00E+00	2.46E-07
145	420134.04	3739767.71	7.22E-07	1.66E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-07	1.66E-06	0.00E+00	0.00E+00	2.38E-06	9.08E-08	1.63E-07	0.00E+00	0.00E+00	2.54E-07
146	420124.67	3739767.71	7.43E-07	1.71E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-07	1.71E-06	0.00E+00	0.00E+00	2.45E-06	9.35E-08	1.68E-07	0.00E+00	0.00E+00	2.61E-07
147	420115.3	3739767.71	7.64E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	9.61E-08	1.72E-07	0.00E+00	0.00E+00	2.68E-07
148	420105.93	3739767.71	7.83E-07	1.80E-06	0.00E+00	0.00E+00	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-07	1.80E-06	0.00E+00	0.00E+00	2.59E-06	9.85E-08	1.77E-07	0.00E+00	0.00E+00	2.75E-07
149	420096.56	3739767.71	8.01E-07	1.84E-06	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-07	1.84E-06	0.00E+00	0.00E+00	2.64E-06	1.01E-07	1.80E-07	0.00E+00	0.00E+00	2.81E-07
150	420087.19	3739767.71	8.15E-07	1.88E-06	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-07	1.88E-06	0.00E+00	0.00E+00	2.69E-06	1.03E-07	1.84E-07	0.00E+00	0.00E+00	2.86E-07
151	420077.82	3739767.71	8.26E-07	1.90E-06	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-07	1.90E-06	0.00E+00	0.00E+00	2.73E-06	1.04E-07	1.86E-07	0.00E+00	0.00E+00	2.90E-07
152	420068.45	3739767.71	8.34E-07	1.92E-06	0.00E+00	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-07	1.92E-06	0.00E+00	0.00E+00	2.75E-06	1.05E-07	1.88E-07	0.00E+00	0.00E+00	2.93E-07
153	420234.01	3739758.03	4.64E-07	1.07E-06	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-07	1.07E-06	0.00E+00	0.00E+00	1.53E-06	5.84E-08	1.05E-07	0.00E+00	0.00E+00	1.63E-07
154	420242.34	3739761.47	4.57E-07	1.05E-06	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	1.05E-06	0.00E+00	0.00E+00	1.51E-06	5.75E-08	1.03E-07	0.00E+00	0.00E+00	1.60E-07
155	420300.7	3739785.56	4.06E-07	9.35E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	9.35E-07	0.00E+00	0.00E+00	1.34E-06	5.11E-08	9.16E-08	0.00E+00	0.00E+00	1.43E-07
156	420309.03	3739789	3.99E-07	9.20E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	9.20E-07	0.00E+00	0.00E+00	1.32E-06	5.02E-08	9.00E-08	0.00E+00	0.00E+00	1.40E-07
157	420317.37	3739792.44	3.93E-07	9.04E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	9.04E-07	0.00E+00	0.00E+00	1.30E-06	4.94E-08	8.85E-08	0.00E+00	0.00E+00	1.38E-07
158	420325.71	3739795.88	3.86E-07	8.89E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	8.89E-07	0.00E+00	0.00E+00	1.27E-06	4.85E-08	8.70E-08	0.00E+00	0.00E+00	1.36E-07
159	420342.38	3739802.76	3.73E-07	8.58E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	8.58E-07	0.00E+00	0.00E+00	1.23E-06	4.69E-08	8.40E-08	0.00E+00	0.00E+00	1.31E-07
160	420350.71	3739806.21	3.67E-07	8.44E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	8.44E-07	0.00E+00	0.00E+00	1.21E-06	4.61E-08	8.27E-08	0.00E+00	0.00E+00	1.29E-07
161	420359.05	3739809.65	3.61E-07	8.31E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	8.31E-07	0.00E+00	0.00E+00	1.19E-06	4.54E-08	8.13E-08	0.00E+00	0.00E+00	1.27E-07
162	420375.72	3739816.53	3.49E-07	8.04E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-07	8.04E-07	0.00E+00	0.00E+00	1.15E-06	4.40E-08	7.88E-08	0.00E+00	0.00E+00	1.23E-07
163	420384.06	3739819.97	3.44E-07	7.92E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	7.92E-07	0.00E+00	0.00E+00	1.14E-06	4.33E-08	7.76E-08	0.00E+00	0.00E+00	1.21E-07
164	420395.88	3739831.73	3.47E-07	7.99E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-07	7.99E-07	0.00E+00	0.00E+00	1.15E-06	4.37E-08	7.82E-08	0.00E+00	0.00E+00	1.22E-07
165	420402.84	3739848.37	3.65E-07	8.40E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	8.40E-07	0.00E+00	0.00E+00	1.21E-06	4.59E-08	8.23E-08	0.00E+00	0.00E+00	1.28E-07
166	420406.32	3739856.69	3.75E-07	8.63E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	8.63E-07	0.00E+00	0.00E+00	1.24E-06	4.71E-08	8.45E-08	0.00E+00	0.00E+00	1.32E-07
167	420413.29	3739873.32	3.96E-07	9.11E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	9.11E-07	0.00E+00	0.00E+00	1.31E-06	4.98E-08	8.92E-08	0.00E+00	0.00E+00	1.39E-07
168	420199.63	3739747.71	5.05E-07	1.16E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	1.16E-06	0.00E+00	0.00E+00	1.67E-06	6.35E-08	1.14E-07	0.00E+00	0.00E+00	1.77E-07
169	420190.26	3739747.71	5.23E-07	1.20E-06	0.00E+00	0.00E+00	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	1.20E-06	0.00E+00	0.00E+00	1.73E-06	6.58E-08	1.18E-07	0.00E+00	0.00E+00	1.84E-07
170	420180.89	3739747.71	5.42E-07	1.25E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-07	1.25E-06	0.00E+00	0.00E+00	1.79E-06	6.81E-08	1.22E-07	0.00E+00	0.00E+00	1.90E-07
171	420171.52	3739747.71	5.61E-07	1.29E-06	0.00E+00	0.00E+00	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-07	1.29E-06	0.00E+00	0.00E+00	1.85E-06	7.06E-08	1.27E-07	0.00E+00	0.00E+00	1.97E-07
172	420162.15	3739747.71	5.81E-07	1.34E-06	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	1.34E-06	0.00E+00	0.00E+00	1.92E-06	7.31E-08	1.31E-07	0.00E+00	0.00E+00	2.04E-07
173	420152.78	3739747.71	6.01E-07	1.38E-06	0.00E+00	0.00E+00	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-07	1.38E-06	0.00E+00	0.00E+00	1.99E-06	7.56E-08	1.36E-07	0.00E+00	0.00E+00	2.11E-07
174	420143.41	3739747.71	6.21E-07	1.43E-06	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-07	1.43E-06	0.00E+00	0.00E+00	2.05E-06	7.81E-08	1.40E-07	0.00E+00	0.00E+00	2.18E-07
175	420134.04	3739747.71	6.41E-07	1.48E-06	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-07	1.48E-06	0.00E+00	0.00E+00	2.12E-06	8.06E-08	1.44E-07	0.00E+00	0.00E+00	2.25E-07
176	420124.67	3739747.71	6.60E-07	1.52E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-07	1.52E-06	0.00E+00	0.00E+00	2.18E-06	8.30E-08	1.49E-07	0.00E+00	0.00E+00	2.32E-07
177	420115.3	3739747.71	6.78E-07	1.56E-06	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-07	1.56E-06	0.00E+00	0.00E+00	2.24E-06	8.52E-08	1.53E-07	0.00E+00	0.00E+00	2.38E-07
178	420105.93	3739747.71	6.94E-07	1.60E-06	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-07	1.60E-06	0.00E+00	0.00E+00	2.29E-06	8.73E-08	1.56E-07	0.00E+00	0.00E+00	2.44E-07
179	420096.56	3739747.71	7.09E-07	1.63E-06	0.00E+00	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-07	1.63E-06	0.00E+00	0.00E+00	2.34E-06	8.92E-08	1.60E-07	0.00E+00	0.00E+00	2.49E-07
180	420087.19	3739747.71	7.22E-07	1.66E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-07	1.66E-06	0.00E+00	0.00E+00	2.38E-06	9.08E-08	1.63E-07	0.00E+00	0.00E+00	2.54E-07
181	420077.82	3739747.71	7.33E-07	1.69E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	1.69E-06	0.00E+00	0.00E+00	2.42E-06	9.22E-08	1.65E-07	0.00E+00	0.00E+00	2.57E-07
182	420068.45	3739747.71	7.41E-07	1.71E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	1.71E-06	0.00E+00	0.00E+00	2.45E-06	9.32E-08	1.67E-07	0.00E+00	0.00E+00	2.60E-07
183	420234.76	3739738.34	4.22E-07	9.72E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-07	9.72E-07	0.00E+00	0.00E+00	1.39E-06	5.31E-08	9.52E-08	0.00E+00	0.00E+00	1.48E-07
184	420243.35	3739741.89	4.16E-07	9.57E-07	0.00E+00	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-07	9.57E-07	0.00E+00	0.00E+00	1.37E-06	5.23E-08	9.37E-08	0.00E+00	0.00E+00	1.46E-07
185	420251.94	3739745.43	4.09E-07	9.42E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	9.42E-07	0.00E+00	0.00E+00	1.35E-06	5.14E-08	9.22E-08	0.00E+00	0.00E+00	1.44E-07
186	420260.52	3739748.98	4.03E-07	9.27E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	9.27E-07	0.00E+00	0.00E+00	1.33E-06	5.06E-08	9.07E-08	0.00E+00	0.00E+00	1.41E-07
187	420269.11	3739752.52	3.96E-07	9.12E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	9.12E-07	0.00E+00	0.00E+00	1.31E-06	4.98E-08	8.93E-08	0.00E+00	0.00E+00	1.39E-07
188	420277.7	3739756.07	3.90E-07	8.98E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-07	8.98E-07	0.00E+00	0.00E+00	1.29E-06	4.91E-08	8.79E-08	0.00E+00	0.00E+00	1.37E-07
189	420286.28	3739759.61	3.84E-07	8.84E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	8.84E-07	0.00E+00	0.00E+00	1.27E-06	4.83E-08	8.66E-08	0.00E+00	0.00E+00	1.35E-07
190	420294.87	3739763.15	3.78E-07	8.70E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	8.70E-07	0.00E+00	0.00E+00	1.25E-06	4.75E-08	8.52E-08	0.00E+00	0.00E+00	1.33E-07
191	420346.39	3739784.42	3.42E-07	7.87E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	7.87E-07	0.00E+00	0.00E+00	1.13E-06	4.30E-08	7.70E-08	0.00E+00	0.00E+00	1.20E-07
192	420354.98	3739787.97	3.36E-07	7.73E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	7.73E-07	0.00E+00	0.00E+00	1.11E-06	4.23E-08	7.57E-08	0.00E+00	0.00E+00	1.18E-07
193	420363.57	3739791.51	3.30E-07	7.60E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	7.60E-07	0.00E+00	0.00E+00	1.09E-06	4.15E-08	7.44E-08	0.00E+00	0.00E+00	1.16E-07
194	420372.15	3739795.06	3.25E-07	7.47E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	7.47E-07	0.00E+00	0.00E+00	1.07E-06	4.08E-08	7.32E-08	0.00E+00	0.00E+00	1.14E-07
195	420380.74	3739798.6	3.19E-07	7.35E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	7.35E-07	0.00E+00	0.00E+00	1.05E-06	4.02E-08	7.20E-08	0.00E+00	0.00E+00	1.12E-07
196	420389.33	3739802.14	3.14E-07	7.23E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	7.23E-07	0.00E+00	0.00E+00	1.04E-06	3.95E-08	7.08E-08	0.00E+00	0.00E+00	1.10E-07
197	420397.91	3739805.69	3.10E-07	7.13E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	7.13E-07	0.00E+00	0.00E+00	1.02E-06	3.90E-08	6.98E-08	0.00E+00	0.00E+00	1.09E-07
198	420410.09	3739817.8	3.12E-07	7.19E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	7.19E-07	0.00E+00	0.00E+00	1.03E-06	3.93E-08	7.04E-08	0.00E+00	0.00E+00	1.10E-07
199	420413.68	3739826.37	3.20E-07	7.36E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	7.36E-07	0.00E+00	0.00E+00	1.06E-06	4.02E-08	7.21E-08	0.00E+00	0.00E+00	1.12E-07
200	420417.26	3739834.94	3.28E-07	7.54E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	7.54E-07	0.00E+00	0.00E+00	1.08E-06	4.12E-08	7.38E-08	0.00E+00	0.00E+00	1.15E-07
201	420420.85	3739843.51	3.36E-07	7.73E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	7.73E-07	0.00E+00	0.00E+00	1.11E-06	4.23E-08	7.57E-08	0.00E+00	0.00E+00	1.18E-07
202	420424.44	3739852.08	3.45E-07	7.94E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	7.94E-07	0.00E+00	0.00E+00	1.14E-06	4.34E-08	7.77E-08	0.00E+00	0.00E+00	1.21E-07
203	420428.02	3739860.65	3.54E-07	8.15E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	8.15E-07	0.00E+00	0.00E+00	1.17E-06	4.45E-08	7.98E-08	0.00E+00	0.00E+00	1.24E-07
204	420431.61	3739869.22	3.64E-07	8.38E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	8.38E-07	0.00E+00	0.00E+00	1.20E-06	4.58E-08	8.21E-08	0.00E+00	0.00E+00	1.28E-07
205	420199.63	3739727.71	4.57E-07	1.05E-06	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	1.05E-06	0.00E+00	0.00E+00	1.51E-06	5.75E-08	1.03E-07	0.00E+00	0.00E+00	1.61E-07
206	420190.26	3739727.71	4.73E-07	1.09E-06

257	420077.82	3739707.71	5.87E-07	1.35E-06	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-07	1.35E-06	0.00E+00	0.00E+00	1.94E-06	7.39E-08	1.32E-07	0.00E+00	0.00E+00	2.06E-07
258	420068.45	3739707.71	5.95E-07	1.37E-06	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-07	1.37E-06	0.00E+00	0.00E+00	1.97E-06	7.49E-08	1.34E-07	0.00E+00	0.00E+00	2.09E-07
259	420234.86	3739688.39	3.41E-07	7.84E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	7.84E-07	0.00E+00	0.00E+00	1.12E-06	4.28E-08	7.68E-08	0.00E+00	0.00E+00	1.20E-07
260	420243.48	3739691.94	3.36E-07	7.74E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	7.74E-07	0.00E+00	0.00E+00	1.11E-06	4.23E-08	7.57E-08	0.00E+00	0.00E+00	1.18E-07
261	420252.11	3739695.5	3.32E-07	7.63E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	7.63E-07	0.00E+00	0.00E+00	1.09E-06	4.17E-08	7.47E-08	0.00E+00	0.00E+00	1.16E-07
262	420260.73	3739699.06	3.27E-07	7.53E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	7.53E-07	0.00E+00	0.00E+00	1.08E-06	4.11E-08	7.37E-08	0.00E+00	0.00E+00	1.15E-07
263	420269.35	3739702.62	3.23E-07	7.43E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	7.43E-07	0.00E+00	0.00E+00	1.07E-06	4.06E-08	7.27E-08	0.00E+00	0.00E+00	1.13E-07
264	420277.97	3739706.18	3.18E-07	7.33E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	7.33E-07	0.00E+00	0.00E+00	1.05E-06	4.00E-08	7.17E-08	0.00E+00	0.00E+00	1.12E-07
265	420286.59	3739709.74	3.14E-07	7.22E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	7.22E-07	0.00E+00	0.00E+00	1.04E-06	3.95E-08	7.07E-08	0.00E+00	0.00E+00	1.10E-07
266	420295.21	3739713.3	3.09E-07	7.12E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	7.12E-07	0.00E+00	0.00E+00	1.02E-06	3.89E-08	6.97E-08	0.00E+00	0.00E+00	1.09E-07
267	420303.83	3739716.85	3.05E-07	7.02E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	7.02E-07	0.00E+00	0.00E+00	1.01E-06	3.84E-08	6.87E-08	0.00E+00	0.00E+00	1.07E-07
268	420312.45	3739720.41	3.01E-07	6.92E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	6.92E-07	0.00E+00	0.00E+00	9.93E-07	3.78E-08	6.78E-08	0.00E+00	0.00E+00	1.06E-07
269	420321.07	3739723.97	2.97E-07	6.83E-07	0.00E+00	0.00E+00	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	6.83E-07	0.00E+00	0.00E+00	9.80E-07	3.73E-08	6.69E-08	0.00E+00	0.00E+00	1.04E-07
270	420329.7	3739727.53	2.93E-07	6.73E-07	0.00E+00	0.00E+00	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	6.73E-07	0.00E+00	0.00E+00	9.66E-07	3.68E-08	6.59E-08	0.00E+00	0.00E+00	1.03E-07
271	420338.32	3739731.09	2.89E-07	6.64E-07	0.00E+00	0.00E+00	9.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	6.64E-07	0.00E+00	0.00E+00	9.53E-07	3.63E-08	6.50E-08	0.00E+00	0.00E+00	1.01E-07
272	420346.94	3739734.65	2.84E-07	6.55E-07	0.00E+00	0.00E+00	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	6.55E-07	0.00E+00	0.00E+00	9.39E-07	3.58E-08	6.41E-08	0.00E+00	0.00E+00	9.99E-08
273	420355.56	3739738.21	2.80E-07	6.45E-07	0.00E+00	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	6.45E-07	0.00E+00	0.00E+00	9.25E-07	3.52E-08	6.32E-08	0.00E+00	0.00E+00	9.84E-08
274	420364.18	3739741.76	2.76E-07	6.35E-07	0.00E+00	0.00E+00	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	6.35E-07	0.00E+00	0.00E+00	9.11E-07	3.47E-08	6.22E-08	0.00E+00	0.00E+00	9.69E-08
275	420372.8	3739745.32	2.72E-07	6.25E-07	0.00E+00	0.00E+00	8.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	6.25E-07	0.00E+00	0.00E+00	8.97E-07	3.42E-08	6.12E-08	0.00E+00	0.00E+00	9.54E-08
276	420381.42	3739748.88	2.67E-07	6.15E-07	0.00E+00	0.00E+00	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	6.15E-07	0.00E+00	0.00E+00	8.83E-07	3.36E-08	6.02E-08	0.00E+00	0.00E+00	9.39E-08
277	420390.04	3739752.44	2.63E-07	6.06E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	6.06E-07	0.00E+00	0.00E+00	8.69E-07	3.31E-08	5.93E-08	0.00E+00	0.00E+00	9.24E-08
278	420398.66	3739756	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.56E-07	3.26E-08	5.85E-08	0.00E+00	0.00E+00	9.11E-08
279	420407.29	3739759.56	2.56E-07	5.89E-07	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	5.89E-07	0.00E+00	0.00E+00	8.44E-07	3.22E-08	5.76E-08	0.00E+00	0.00E+00	8.98E-08
280	420445.37	3739782.39	2.47E-07	5.69E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	5.69E-07	0.00E+00	0.00E+00	8.16E-07	3.11E-08	5.57E-08	0.00E+00	0.00E+00	8.68E-08
281	420448.97	3739791	2.52E-07	5.80E-07	0.00E+00	0.00E+00	8.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	5.80E-07	0.00E+00	0.00E+00	8.32E-07	3.17E-08	5.68E-08	0.00E+00	0.00E+00	8.85E-08
282	420452.57	3739799.6	2.57E-07	5.91E-07	0.00E+00	0.00E+00	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	5.91E-07	0.00E+00	0.00E+00	8.48E-07	3.23E-08	5.79E-08	0.00E+00	0.00E+00	9.02E-08
283	420456.17	3739808.2	2.62E-07	6.04E-07	0.00E+00	0.00E+00	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	6.04E-07	0.00E+00	0.00E+00	8.66E-07	3.30E-08	5.91E-08	0.00E+00	0.00E+00	9.21E-08
284	420459.77	3739816.81	2.68E-07	6.17E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	6.17E-07	0.00E+00	0.00E+00	8.84E-07	3.37E-08	6.04E-08	0.00E+00	0.00E+00	9.41E-08
285	420463.38	3739825.41	2.74E-07	6.30E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	6.30E-07	0.00E+00	0.00E+00	9.04E-07	3.44E-08	6.17E-08	0.00E+00	0.00E+00	9.62E-08
286	420466.98	3739834.02	2.80E-07	6.45E-07	0.00E+00	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	6.45E-07	0.00E+00	0.00E+00	9.25E-07	3.52E-08	6.32E-08	0.00E+00	0.00E+00	9.84E-08
287	420470.58	3739842.62	2.87E-07	6.61E-07	0.00E+00	0.00E+00	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	6.61E-07	0.00E+00	0.00E+00	9.48E-07	3.61E-08	6.47E-08	0.00E+00	0.00E+00	1.01E-07
288	420474.18	3739851.22	2.94E-07	6.77E-07	0.00E+00	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	6.77E-07	0.00E+00	0.00E+00	9.72E-07	3.70E-08	6.63E-08	0.00E+00	0.00E+00	1.03E-07
289	420477.78	3739859.83	3.02E-07	6.95E-07	0.00E+00	0.00E+00	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	6.95E-07	0.00E+00	0.00E+00	9.97E-07	3.80E-08	6.81E-08	0.00E+00	0.00E+00	1.06E-07
290	420481.38	3739868.43	3.10E-07	7.14E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	7.14E-07	0.00E+00	0.00E+00	1.02E-06	3.90E-08	6.99E-08	0.00E+00	0.00E+00	1.09E-07
291	420199.63	3739677.71	3.65E-07	8.40E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	8.40E-07	0.00E+00	0.00E+00	1.21E-06	4.59E-08	8.23E-08	0.00E+00	0.00E+00	1.28E-07
292	420190.26	3739677.71	3.76E-07	8.66E-07	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	8.66E-07	0.00E+00	0.00E+00	1.24E-06	4.73E-08	8.48E-08	0.00E+00	0.00E+00	1.32E-07
293	420180.89	3739677.71	3.88E-07	8.92E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	8.92E-07	0.00E+00	0.00E+00	1.28E-06	4.88E-08	8.74E-08	0.00E+00	0.00E+00	1.36E-07
294	420171.52	3739677.71	4.00E-07	9.20E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	9.20E-07	0.00E+00	0.00E+00	1.32E-06	5.03E-08	9.01E-08	0.00E+00	0.00E+00	1.40E-07
295	420162.15	3739677.71	4.11E-07	9.47E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	9.47E-07	0.00E+00	0.00E+00	1.36E-06	5.17E-08	9.27E-08	0.00E+00	0.00E+00	1.44E-07
296	420152.78	3739677.71	4.23E-07	9.74E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	9.74E-07	0.00E+00	0.00E+00	1.40E-06	5.32E-08	9.54E-08	0.00E+00	0.00E+00	1.49E-07
297	420143.41	3739677.71	4.35E-07	1.00E-06	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-07	1.00E-06	0.00E+00	0.00E+00	1.43E-06	5.47E-08	9.79E-08	0.00E+00	0.00E+00	1.53E-07
298	420134.04	3739677.71	4.46E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	5.61E-08	1.00E-07	0.00E+00	0.00E+00	1.57E-07
299	420124.67	3739677.71	4.57E-07	1.05E-06	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	1.05E-06	0.00E+00	0.00E+00	1.51E-06	5.74E-08	1.03E-07	0.00E+00	0.00E+00	1.60E-07
300	420115.3	3739677.71	4.67E-07	1.08E-06	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	1.08E-06	0.00E+00	0.00E+00	1.54E-06	5.88E-08	1.05E-07	0.00E+00	0.00E+00	1.64E-07
301	420105.93	3739677.71	4.78E-07	1.10E-06	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	1.10E-06	0.00E+00	0.00E+00	1.58E-06	6.01E-08	1.08E-07	0.00E+00	0.00E+00	1.68E-07
302	420096.56	3739677.71	4.88E-07	1.12E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-07	1.12E-06	0.00E+00	0.00E+00	1.61E-06	6.13E-08	1.10E-07	0.00E+00	0.00E+00	1.71E-07
303	420087.19	3739677.71	4.97E-07	1.14E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	1.14E-06	0.00E+00	0.00E+00	1.64E-06	6.25E-08	1.12E-07	0.00E+00	0.00E+00	1.74E-07
304	420077.82	3739677.71	5.06E-07	1.16E-06	0.00E+00	0.00E+00	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	1.16E-06	0.00E+00	0.00E+00	1.67E-06	6.36E-08	1.14E-07	0.00E+00	0.00E+00	1.78E-07
305	420068.45	3739677.71	5.14E-07	1.18E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	1.18E-06	0.00E+00	0.00E+00	1.70E-06	6.46E-08	1.16E-07	0.00E+00	0.00E+00	1.80E-07
306	420234.39	3739658.19	3.03E-07	6.98E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	6.98E-07	0.00E+00	0.00E+00	1.00E-06	3.81E-08	6.83E-08	0.00E+00	0.00E+00	1.06E-07
307	420242.86	3739661.69	2.99E-07	6.89E-07	0.00E+00	0.00E+00	9.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	6.89E-07	0.00E+00	0.00E+00	9.89E-07	3.77E-08	6.75E-08	0.00E+00	0.00E+00	1.05E-07
308	420251.32	3739665.18	2.96E-07	6.81E-07	0.00E+00	0.00E+00	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	6.81E-07	0.00E+00	0.00E+00	9.77E-07	3.72E-08	6.67E-08	0.00E+00	0.00E+00	1.04E-07
309	420259.79	3739668.67	2.92E-07	6.73E-07	0.00E+00	0.00E+00	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	6.73E-07	0.00E+00	0.00E+00	9.66E-07	3.68E-08	6.59E-08	0.00E+00	0.00E+00	1.03E-07
310	420268.25	3739672.17	2.89E-07	6.65E-07	0.00E+00	0.00E+00	9.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	6.65E-07	0.00E+00	0.00E+00	9.54E-07	3.63E-08	6.51E-08	0.00E+00	0.00E+00	1.01E-07
311	420276.71	3739675.66	2.85E-07	6.57E-07	0.00E+00	0.00E+00	9.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	6.57E-07	0.00E+00	0.00E+00	9.42E-07	3.59E-08	6.43E-08	0.00E+00	0.00E+00	1.00E-07
312	420285.18	3739679.15	2.82E-07	6.48E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	6.48E-07	0.00E+00	0.00E+00	9.30E-07	3.54E-08	6.35E-08	0.00E+00	0.00E+00	9.89E-08
313	420293.64	3739682.65	2.78E-07	6.40E-07	0.00E+00	0.00E+00	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	6.40E-07	0.00E+00	0.00E+00	9.18E-07	3.50E-08	6.27E-08	0.00E+00	0.00E+00	9.77E-08
314	420302.11	3739686.14	2.75E-07	6.32E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	6.32E-07	0.00E+00	0.00E+00	9.07E-07	3.45E-08	6.19E-08	0.00E+00	0.00E+00	9.64E-08
315	420310.57	3739689.64	2.71E-07	6.24E-07	0.00E+00	0.00E+00	8.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	6.24E-07	0.00E+00	0.00E+00	8.96E-07	3.41E-08	6.11E-08	0.00E+00	0.00E+00	9.52E-08
316	420319.04	3739693.13	2.68E-07	6.17E-07	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	6.17E-07	0.00E+00	0.00E+00	8.84E-07	3.37E-08	6.04E-08	0.00E+00	0.00E+00	9.41E-08
317	420327.5	3739696.62	2.64E-07	6.09E-07	0.00E+00	0.00E+00	8.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	6.09E-07	0.00E+00	0.00E+00	8.73E-07	3.33E-08	5.96E-08	0.00E+00	0.00E+00	9.29E-08
318	420335.97	3739700.12	2.61E-07	6.01E-07	0.00E+00	0.00E+00	8.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	6.01E-07	0.00E+00	0.00E+00	8.62E-07	3.28E-08	5.89E-08	0.00E+00	0.00E+00	9.17E-08
319	420344.43	3739703.61	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.51E-07	3.24E-08	5.81E-08	0.00E+00	0.00E+00	9.05E-08
320	420352.89	3739707.11	2.54E-07	5.86E-07	0.00E+00	0.00E+00	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	5.86E-07	0.00E+00	0.00E+00	8.40E-07	3.20E-08	5.74E-08	0.00E+00	0.00E+00	8.94E-08
321	420361.36	3739710.6	2.51E-07	5.78E-07	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	5.78E-07	0.00E+00	0.00E+00	8.29E-07	3.16E-08	5.66E-08	0.00E+00	0.00E+00	8.81E-08
322	420369.82	3739714.09	2.47E-07	5.70E-07	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	5.70E-07	0.00E+00	0.00E+00	8.17E-07	3.11E-08	5.58E-08	0.00E+00	0.00E+00	8.69E-08
323	420378.29	3739717.59	2.44E-07	5.61E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	5.61E-07	0.00E+00	0.00E+00	8.05E-07	3.07E-08	5.50E-08	0.00E+00	0.00E+00	8.56E-08
324	420386.75	3739721.08	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.94E-07	3.02E-08	5.42E-08	0.00E+00	0.00E+00	8.44E-08
325	420395.22	3739724.57	2.37E-07	5.45E-07	0.00E+00	0.00E+00	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	5.45E-07	0.00E+00	0.00E+00	7.82E-07	2.98E-08	5.34E-08	0.00E+00	0.00E+00	8.32E-08
326	420403.68	3739728.07	2.34E-07	5.38E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	5.38E-07	0.00E+00	0.00E+00	7.72E-07	2.94E-08	5.27E-08	0.00E+00	0.00E+00	8.21E-08
327	420412.14	3739731.56	2.31E-07	5.31E-07	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	5.31E-07	0.00E+00	0.00E+00	7.61E-07	2.90E-08	5.20E-08	0.00E+00	0.00E+00	8.10E-08
328	420420.61	3739735.06	2.28E-07	5.24E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	5.24E-07	0.00E+00	0.00E+00	7.51E-07	2.86E-08	5.13E-08	0.00E+00	0.00E+00	7.99E-08
329	420429.07	3739738.55	2.25E-07	5.17E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.17E-07	0.00E+00	0.00E+00	7.42E-07	2.83E-08	5.07E-08	0.00E+00	0.00E+00	7.89E-08
330	420437.54	3739742.04	2.22E-07	5.11E-07	0.00E+00	0.00E+00	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	5.11E-07	0.00E+00	0.00E+00	7.33E-07	2.79E-08	5.00E-08	0.00E+00	0.00E+00	7.80E-08
331	420446	3739745.54	2.19E-07	5.05E-07	0.00E+00	0.00E+00	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	5.05E-07	0.00E+00	0.00E+00	7.24E-07	2.76E-08	4.94E-08	0.00E+00	0.00E+00	7.70E-08
332	420454.47	3739749.03	2.17E-07	4.99E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	4.99E-07	0.00E+00	0.00E+00	7.16E-07	2.73E-08	4.89E-08	0.00E+00	0.00E+00	7.61E-08
333	420466.47	3739760.97	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.20E-07	2.74E-08	4.91E-08	0.00E+00	0.00E+00	7.65E-08
334	420477.07	3739786.31	2.30E-07	5.29E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	5.29E-07	0.00E+00	0.00E+00	7.59E-07	2.89E-08	5.18E-08	0.00E+00	0.00E+00	8.07E-08
335	420480.61	3739794.76	2.34E-07	5.39E-07	0.00E+00	0.00E+00	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	5.39E-07	0.00E+00	0.00E+00	7.72E-07	2.94E-08	5.27E-08	0.00E+00	0.00E+00	8.22E-08
336	420484.14	3739803.21	2.38E-07	5.49E-07	0.00E+00	0.00E+00

387	420190.26	3739617.71	2.96E-07	6.82E-07	0.00E+00	0.00E+00	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	6.82E-07	0.00E+00	0.00E+00	9.78E-07	3.73E-08	6.68E-08	0.00E+00	0.00E+00	1.04E-07
388	420180.89	3739617.71	3.04E-07	7.00E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	7.00E-07	0.00E+00	0.00E+00	1.00E-06	3.82E-08	6.85E-08	0.00E+00	0.00E+00	1.07E-07
389	420171.52	3739617.71	3.12E-07	7.18E-07	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	7.18E-07	0.00E+00	0.00E+00	1.03E-06	3.92E-08	7.03E-08	0.00E+00	0.00E+00	1.10E-07
390	420162.15	3739617.71	3.20E-07	7.37E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	7.37E-07	0.00E+00	0.00E+00	1.06E-06	4.03E-08	7.22E-08	0.00E+00	0.00E+00	1.12E-07
391	420152.78	3739617.71	3.29E-07	7.56E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	7.56E-07	0.00E+00	0.00E+00	1.09E-06	4.13E-08	7.41E-08	0.00E+00	0.00E+00	1.15E-07
392	420143.41	3739617.71	3.37E-07	7.76E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-07	7.76E-07	0.00E+00	0.00E+00	1.11E-06	4.24E-08	7.60E-08	0.00E+00	0.00E+00	1.18E-07
393	420134.04	3739617.71	3.45E-07	7.95E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	7.95E-07	0.00E+00	0.00E+00	1.14E-06	4.34E-08	7.79E-08	0.00E+00	0.00E+00	1.21E-07
394	420124.67	3739617.71	3.54E-07	8.14E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	8.14E-07	0.00E+00	0.00E+00	1.17E-06	4.45E-08	7.97E-08	0.00E+00	0.00E+00	1.24E-07
395	420115.3	3739617.71	3.62E-07	8.33E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	8.33E-07	0.00E+00	0.00E+00	1.20E-06	4.55E-08	8.16E-08	0.00E+00	0.00E+00	1.27E-07
396	420105.93	3739617.71	3.70E-07	8.52E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	8.52E-07	0.00E+00	0.00E+00	1.22E-06	4.65E-08	8.34E-08	0.00E+00	0.00E+00	1.30E-07
397	420096.56	3739617.71	3.78E-07	8.69E-07	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	8.69E-07	0.00E+00	0.00E+00	1.25E-06	4.75E-08	8.51E-08	0.00E+00	0.00E+00	1.33E-07
398	420087.19	3739617.71	3.85E-07	8.86E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	8.86E-07	0.00E+00	0.00E+00	1.27E-06	4.84E-08	8.68E-08	0.00E+00	0.00E+00	1.35E-07
399	420077.82	3739617.71	3.92E-07	9.03E-07	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	9.03E-07	0.00E+00	0.00E+00	1.29E-06	4.93E-08	8.84E-08	0.00E+00	0.00E+00	1.38E-07
400	420068.45	3739617.71	3.99E-07	9.18E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-07	9.18E-07	0.00E+00	0.00E+00	1.32E-06	5.01E-08	8.98E-08	0.00E+00	0.00E+00	1.40E-07
401	420234.39	3739598.19	2.45E-07	5.65E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.65E-07	0.00E+00	0.00E+00	8.10E-07	3.09E-08	5.53E-08	0.00E+00	0.00E+00	8.62E-08
402	420242.86	3739601.69	2.43E-07	5.59E-07	0.00E+00	0.00E+00	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	5.59E-07	0.00E+00	0.00E+00	8.02E-07	3.05E-08	5.47E-08	0.00E+00	0.00E+00	8.53E-08
403	420251.32	3739605.18	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.94E-07	3.02E-08	5.42E-08	0.00E+00	0.00E+00	8.44E-08
404	420259.79	3739608.67	2.38E-07	5.47E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	5.47E-07	0.00E+00	0.00E+00	7.85E-07	2.99E-08	5.36E-08	0.00E+00	0.00E+00	8.35E-08
405	420268.25	3739612.17	2.35E-07	5.42E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	5.42E-07	0.00E+00	0.00E+00	7.77E-07	2.96E-08	5.30E-08	0.00E+00	0.00E+00	8.26E-08
406	420276.71	3739615.66	2.33E-07	5.36E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	5.36E-07	0.00E+00	0.00E+00	7.69E-07	2.93E-08	5.25E-08	0.00E+00	0.00E+00	8.17E-08
407	420285.18	3739619.15	2.30E-07	5.30E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	5.30E-07	0.00E+00	0.00E+00	7.60E-07	2.90E-08	5.19E-08	0.00E+00	0.00E+00	8.09E-08
408	420293.64	3739622.65	2.28E-07	5.25E-07	0.00E+00	0.00E+00	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	5.25E-07	0.00E+00	0.00E+00	7.53E-07	2.87E-08	5.14E-08	0.00E+00	0.00E+00	8.00E-08
409	420302.11	3739626.14	2.26E-07	5.19E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	5.19E-07	0.00E+00	0.00E+00	7.45E-07	2.84E-08	5.08E-08	0.00E+00	0.00E+00	7.92E-08
410	420310.57	3739629.64	2.23E-07	5.14E-07	0.00E+00	0.00E+00	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.14E-07	0.00E+00	0.00E+00	7.37E-07	2.81E-08	5.03E-08	0.00E+00	0.00E+00	7.84E-08
411	420319.04	3739633.13	2.21E-07	5.08E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	5.08E-07	0.00E+00	0.00E+00	7.29E-07	2.78E-08	4.97E-08	0.00E+00	0.00E+00	7.75E-08
412	420327.5	3739636.62	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.21E-07	2.75E-08	4.92E-08	0.00E+00	0.00E+00	7.67E-08
413	420335.97	3739640.12	2.16E-07	4.97E-07	0.00E+00	0.00E+00	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	4.97E-07	0.00E+00	0.00E+00	7.13E-07	2.71E-08	4.87E-08	0.00E+00	0.00E+00	7.58E-08
414	420344.43	3739643.61	2.13E-07	4.91E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	4.91E-07	0.00E+00	0.00E+00	7.05E-07	2.68E-08	4.81E-08	0.00E+00	0.00E+00	7.49E-08
415	420352.89	3739647.11	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.97E-07	2.65E-08	4.76E-08	0.00E+00	0.00E+00	7.41E-08
416	420361.36	3739650.6	2.09E-07	4.80E-07	0.00E+00	0.00E+00	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	4.80E-07	0.00E+00	0.00E+00	6.89E-07	2.62E-08	4.70E-08	0.00E+00	0.00E+00	7.32E-08
417	420369.82	3739654.09	2.06E-07	4.74E-07	0.00E+00	0.00E+00	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	4.74E-07	0.00E+00	0.00E+00	6.81E-07	2.59E-08	4.65E-08	0.00E+00	0.00E+00	7.24E-08
418	420378.29	3739657.59	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.72E-07	2.56E-08	4.59E-08	0.00E+00	0.00E+00	7.15E-08
419	420386.75	3739661.08	2.01E-07	4.63E-07	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	4.63E-07	0.00E+00	0.00E+00	6.64E-07	2.53E-08	4.53E-08	0.00E+00	0.00E+00	7.06E-08
420	420395.22	3739664.57	1.99E-07	4.57E-07	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	4.57E-07	0.00E+00	0.00E+00	6.56E-07	2.50E-08	4.48E-08	0.00E+00	0.00E+00	6.98E-08
421	420403.68	3739668.07	1.96E-07	4.52E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	4.52E-07	0.00E+00	0.00E+00	6.48E-07	2.47E-08	4.42E-08	0.00E+00	0.00E+00	6.89E-08
422	420412.14	3739671.56	1.94E-07	4.46E-07	0.00E+00	0.00E+00	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	4.46E-07	0.00E+00	0.00E+00	6.40E-07	2.44E-08	4.37E-08	0.00E+00	0.00E+00	6.80E-08
423	420420.61	3739675.06	1.91E-07	4.40E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	4.40E-07	0.00E+00	0.00E+00	6.32E-07	2.41E-08	4.31E-08	0.00E+00	0.00E+00	6.72E-08
424	420429.07	3739678.55	1.89E-07	4.35E-07	0.00E+00	0.00E+00	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	4.35E-07	0.00E+00	0.00E+00	6.24E-07	2.38E-08	4.26E-08	0.00E+00	0.00E+00	6.64E-08
425	420437.54	3739682.04	1.87E-07	4.30E-07	0.00E+00	0.00E+00	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	4.30E-07	0.00E+00	0.00E+00	6.16E-07	2.35E-08	4.21E-08	0.00E+00	0.00E+00	6.55E-08
426	420446	3739685.54	1.84E-07	4.24E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	4.24E-07	0.00E+00	0.00E+00	6.09E-07	2.32E-08	4.16E-08	0.00E+00	0.00E+00	6.47E-08
427	420454.47	3739689.03	1.82E-07	4.19E-07	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	4.19E-07	0.00E+00	0.00E+00	6.02E-07	2.29E-08	4.11E-08	0.00E+00	0.00E+00	6.40E-08
428	420462.93	3739692.53	1.80E-07	4.15E-07	0.00E+00	0.00E+00	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	4.15E-07	0.00E+00	0.00E+00	5.95E-07	2.27E-08	4.06E-08	0.00E+00	0.00E+00	6.33E-08
429	420471.4	3739696.02	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.88E-07	2.24E-08	4.01E-08	0.00E+00	0.00E+00	6.25E-08
430	420479.86	3739699.51	1.76E-07	4.05E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	4.05E-07	0.00E+00	0.00E+00	5.82E-07	2.22E-08	3.97E-08	0.00E+00	0.00E+00	6.18E-08
431	420488.32	3739703.01	1.74E-07	4.01E-07	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	4.01E-07	0.00E+00	0.00E+00	5.75E-07	2.19E-08	3.93E-08	0.00E+00	0.00E+00	6.12E-08
432	420496.79	3739706.5	1.72E-07	3.96E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	3.96E-07	0.00E+00	0.00E+00	5.69E-07	2.17E-08	3.88E-08	0.00E+00	0.00E+00	6.05E-08
433	420508.79	3739718.44	1.73E-07	3.98E-07	0.00E+00	0.00E+00	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	3.98E-07	0.00E+00	0.00E+00	5.71E-07	2.17E-08	3.90E-08	0.00E+00	0.00E+00	6.07E-08
434	420512.32	3739726.89	1.75E-07	4.04E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	4.04E-07	0.00E+00	0.00E+00	5.79E-07	2.21E-08	3.95E-08	0.00E+00	0.00E+00	6.16E-08
435	420519.39	3739743.78	1.81E-07	4.17E-07	0.00E+00	0.00E+00	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	4.17E-07	0.00E+00	0.00E+00	5.97E-07	2.28E-08	4.08E-08	0.00E+00	0.00E+00	6.35E-08
436	420522.93	3739752.23	1.84E-07	4.23E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	4.23E-07	0.00E+00	0.00E+00	6.07E-07	2.31E-08	4.14E-08	0.00E+00	0.00E+00	6.46E-08
437	420199.63	3739587.71	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.56E-07	3.26E-08	5.84E-08	0.00E+00	0.00E+00	9.10E-08
438	420190.26	3739587.71	2.66E-07	6.11E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	6.11E-07	0.00E+00	0.00E+00	8.77E-07	3.34E-08	5.99E-08	0.00E+00	0.00E+00	9.33E-08
439	420180.89	3739587.71	2.72E-07	6.26E-07	0.00E+00	0.00E+00	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	6.26E-07	0.00E+00	0.00E+00	8.99E-07	3.42E-08	6.13E-08	0.00E+00	0.00E+00	9.56E-08
440	420171.52	3739587.71	2.79E-07	6.42E-07	0.00E+00	0.00E+00	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	6.42E-07	0.00E+00	0.00E+00	9.22E-07	3.51E-08	6.29E-08	0.00E+00	0.00E+00	9.80E-08
441	420162.15	3739587.71	2.86E-07	6.59E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	6.59E-07	0.00E+00	0.00E+00	9.45E-07	3.60E-08	6.45E-08	0.00E+00	0.00E+00	1.01E-07
442	420152.78	3739587.71	2.93E-07	6.75E-07	0.00E+00	0.00E+00	9.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	6.75E-07	0.00E+00	0.00E+00	9.69E-07	3.69E-08	6.61E-08	0.00E+00	0.00E+00	1.03E-07
443	420143.41	3739587.71	3.01E-07	6.92E-07	0.00E+00	0.00E+00	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	6.92E-07	0.00E+00	0.00E+00	9.93E-07	3.78E-08	6.78E-08	0.00E+00	0.00E+00	1.06E-07
444	420134.04	3739587.71	3.08E-07	7.09E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	7.09E-07	0.00E+00	0.00E+00	1.02E-06	3.87E-08	6.94E-08	0.00E+00	0.00E+00	1.08E-07
445	420124.67	3739587.71	3.15E-07	7.25E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	7.25E-07	0.00E+00	0.00E+00	1.04E-06	3.96E-08	7.10E-08	0.00E+00	0.00E+00	1.11E-07
446	420115.3	3739587.71	3.22E-07	7.42E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	7.42E-07	0.00E+00	0.00E+00	1.06E-06	4.05E-08	7.26E-08	0.00E+00	0.00E+00	1.13E-07
447	420105.93	3739587.71	3.29E-07	7.57E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	7.57E-07	0.00E+00	0.00E+00	1.09E-06	4.14E-08	7.42E-08	0.00E+00	0.00E+00	1.16E-07
448	420096.56	3739587.71	3.36E-07	7.73E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	7.73E-07	0.00E+00	0.00E+00	1.11E-06	4.22E-08	7.57E-08	0.00E+00	0.00E+00	1.18E-07
449	420087.19	3739587.71	3.42E-07	7.88E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	7.88E-07	0.00E+00	0.00E+00	1.13E-06	4.30E-08	7.71E-08	0.00E+00	0.00E+00	1.20E-07
450	420077.82	3739587.71	3.48E-07	8.02E-07	0.00E+00	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	8.02E-07	0.00E+00	0.00E+00	1.15E-06	4.38E-08	7.85E-08	0.00E+00	0.00E+00	1.22E-07
451	420068.45	3739587.71	3.54E-07	8.15E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	8.15E-07	0.00E+00	0.00E+00	1.17E-06	4.45E-08	7.98E-08	0.00E+00	0.00E+00	1.24E-07
452	420234.74	3739568.33	2.23E-07	5.13E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.13E-07	0.00E+00	0.00E+00	7.35E-07	2.80E-08	5.02E-08	0.00E+00	0.00E+00	7.82E-08
453	420243.31	3739571.87	2.21E-07	5.08E-07	0.00E+00	0.00E+00	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	5.08E-07	0.00E+00	0.00E+00	7.28E-07	2.77E-08	4.97E-08	0.00E+00	0.00E+00	7.74E-08
454	420251.89	3739575.42	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.21E-07	2.75E-08	4.92E-08	0.00E+00	0.00E+00	7.67E-08
455	420260.47	3739578.96	2.16E-07	4.97E-07	0.00E+00	0.00E+00	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	4.97E-07	0.00E+00	0.00E+00	7.14E-07	2.72E-08	4.87E-08	0.00E+00	0.00E+00	7.59E-08
456	420269.05	3739582.5	2.14E-07	4.93E-07	0.00E+00	0.00E+00	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	4.93E-07	0.00E+00	0.00E+00	7.06E-07	2.69E-08	4.82E-08	0.00E+00	0.00E+00	7.51E-08
457	420277.63	3739586.04	2.12E-07	4.88E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	4.88E-07	0.00E+00	0.00E+00	6.99E-07	2.66E-08	4.77E-08	0.00E+00	0.00E+00	7.44E-08
458	420286.21	3739589.58	2.10E-07	4.83E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	4.83E-07	0.00E+00	0.00E+00	6.92E-07	2.64E-08	4.73E-08	0.00E+00	0.00E+00	7.36E-08
459	420294.79	3739593.12	2.08E-07	4.78E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	4.78E-07	0.00E+00	0.00E+00	6.85E-07	2.61E-08	4.68E-08	0.00E+00	0.00E+00	7.29E-08
460	420303.37	3739596.66	2.05E-07	4.73E-07	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	4.73E-07	0.00E+00	0.00E+00	6.78E-07	2.58E-08	4.63E-08	0.00E+00	0.00E+00	7.21E-08
461	420311.94	3739600.2	2.03E-07	4.68E-07	0.00E+00	0.00E+00	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	4.68E-07	0.00E+00	0.00E+00	6.72E-07	2.56E-08	4.58E-08	0.00E+00	0.00E+00	7.14E-08
462	420320.52	3739603.74	2.01E-07	4.63E-07	0.00E+00	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	4.63E-07	0.00E+00	0.00E+00	6.65E-07	2.53E-08	4.54E-08	0.00E+00	0.00E+00	7.07E-08
463	420329.1	3739607.28	1.99E-07	4.59E-07	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	4.59E-07	0.00E+00	0.00E+00	6.58E-07	2.51E-08	4.49E-08	0.00E+00	0.00E+00	7.00E-08
464	420337.68	3739610.83	1.97E-07	4.54E-07	0.00E+00	0.00E+00	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	4.54E-07	0.00E+00	0.00E+00	6.51E-07	2.48E-08	4.44E-08	0.00E+00	0.00E+00	6.92E-08
465	420346.26	3739614.37	1.95E-07	4.49E-07	0.00E+00	0.00E+00	6.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	4.49E-07	0.00E+00	0.00E+00	6.44E-07	2.45E-08	4.39E-08	0.00E+00	0.00E+00	6.85E-08
466	420354.84	3739617.91	1.93E-07	4.44E-07	0.00E+00	0.

517	420369.82	3739594.09	1.74E-07	4.02E-07	0.00E+00	0.00E+00	5.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	4.02E-07	0.00E+00	0.00E+00	5.76E-07	2.19E-08	3.93E-08	0.00E+00	0.00E+00	6.13E-08
518	420378.29	3739597.59	1.73E-07	3.98E-07	0.00E+00	0.00E+00	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	3.98E-07	0.00E+00	0.00E+00	5.70E-07	2.17E-08	3.89E-08	0.00E+00	0.00E+00	6.06E-08
519	420386.75	3739601.08	1.71E-07	3.94E-07	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	3.94E-07	0.00E+00	0.00E+00	5.64E-07	2.15E-08	3.85E-08	0.00E+00	0.00E+00	6.00E-08
520	420395.22	3739604.57	1.69E-07	3.89E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	3.89E-07	0.00E+00	0.00E+00	5.58E-07	2.13E-08	3.81E-08	0.00E+00	0.00E+00	5.94E-08
521	420403.68	3739608.07	1.67E-07	3.85E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	3.85E-07	0.00E+00	0.00E+00	5.52E-07	2.10E-08	3.77E-08	0.00E+00	0.00E+00	5.87E-08
522	420412.14	3739611.56	1.63E-07	3.76E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	3.76E-07	0.00E+00	0.00E+00	5.39E-07	2.05E-08	3.68E-08	0.00E+00	0.00E+00	5.74E-08
523	420420.61	3739615.06	1.61E-07	3.71E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	3.71E-07	0.00E+00	0.00E+00	5.32E-07	2.02E-08	3.63E-08	0.00E+00	0.00E+00	5.65E-08
524	420429.07	3739618.55	1.59E-07	3.65E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	3.65E-07	0.00E+00	0.00E+00	5.24E-07	2.00E-08	3.58E-08	0.00E+00	0.00E+00	5.57E-08
525	420437.54	3739622.04	1.57E-07	3.60E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.60E-07	0.00E+00	0.00E+00	5.17E-07	1.97E-08	3.53E-08	0.00E+00	0.00E+00	5.50E-08
526	420446	3739625.54	1.54E-07	3.55E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	3.55E-07	0.00E+00	0.00E+00	5.10E-07	1.94E-08	3.48E-08	0.00E+00	0.00E+00	5.42E-08
527	420454.47	3739629.03	1.53E-07	3.52E-07	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	3.52E-07	0.00E+00	0.00E+00	5.05E-07	1.92E-08	3.45E-08	0.00E+00	0.00E+00	5.37E-08
528	420462.93	3739632.53	1.52E-07	3.50E-07	0.00E+00	0.00E+00	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.50E-07	0.00E+00	0.00E+00	5.02E-07	1.91E-08	3.43E-08	0.00E+00	0.00E+00	5.34E-08
529	420471.4	3739636.02	1.53E-07	3.53E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	3.53E-07	0.00E+00	0.00E+00	5.06E-07	1.93E-08	3.45E-08	0.00E+00	0.00E+00	5.38E-08
530	420479.86	3739639.51	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	1.91E-08	3.42E-08	0.00E+00	0.00E+00	5.33E-08
531	420488.32	3739643.01	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	1.89E-08	3.38E-08	0.00E+00	0.00E+00	5.27E-08
532	420496.79	3739646.5	1.49E-07	3.42E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.42E-07	0.00E+00	0.00E+00	4.91E-07	1.87E-08	3.35E-08	0.00E+00	0.00E+00	5.22E-08
533	420505.25	3739649.99	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.86E-07	1.85E-08	3.32E-08	0.00E+00	0.00E+00	5.17E-08
534	420513.72	3739653.49	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	1.83E-08	3.28E-08	0.00E+00	0.00E+00	5.11E-08
535	420522.18	3739656.98	1.44E-07	3.32E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.32E-07	0.00E+00	0.00E+00	4.76E-07	1.81E-08	3.25E-08	0.00E+00	0.00E+00	5.06E-08
536	420199.63	3739527.71	2.14E-07	4.91E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	4.91E-07	0.00E+00	0.00E+00	7.05E-07	2.69E-08	4.81E-08	0.00E+00	0.00E+00	7.50E-08
537	420190.26	3739527.71	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.20E-07	2.74E-08	4.92E-08	0.00E+00	0.00E+00	7.66E-08
538	420180.89	3739527.71	2.23E-07	5.13E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.13E-07	0.00E+00	0.00E+00	7.36E-07	2.80E-08	5.02E-08	0.00E+00	0.00E+00	7.82E-08
539	420171.52	3739527.71	2.28E-07	5.25E-07	0.00E+00	0.00E+00	7.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	5.25E-07	0.00E+00	0.00E+00	7.52E-07	2.87E-08	5.14E-08	0.00E+00	0.00E+00	8.00E-08
540	420162.15	3739527.71	2.33E-07	5.37E-07	0.00E+00	0.00E+00	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	5.37E-07	0.00E+00	0.00E+00	7.70E-07	2.93E-08	5.25E-08	0.00E+00	0.00E+00	8.19E-08
541	420152.78	3739527.71	2.38E-07	5.49E-07	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	5.49E-07	0.00E+00	0.00E+00	7.87E-07	3.00E-08	5.37E-08	0.00E+00	0.00E+00	8.37E-08
542	420143.41	3739527.71	2.44E-07	5.61E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	5.61E-07	0.00E+00	0.00E+00	8.05E-07	3.07E-08	5.50E-08	0.00E+00	0.00E+00	8.56E-08
543	420134.04	3739527.71	2.49E-07	5.74E-07	0.00E+00	0.00E+00	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	5.74E-07	0.00E+00	0.00E+00	8.23E-07	3.14E-08	5.62E-08	0.00E+00	0.00E+00	8.76E-08
544	420124.67	3739527.71	2.55E-07	5.87E-07	0.00E+00	0.00E+00	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	5.87E-07	0.00E+00	0.00E+00	8.41E-07	3.20E-08	5.74E-08	0.00E+00	0.00E+00	8.95E-08
545	420115.3	3739527.71	2.60E-07	5.99E-07	0.00E+00	0.00E+00	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	5.99E-07	0.00E+00	0.00E+00	8.59E-07	3.27E-08	5.86E-08	0.00E+00	0.00E+00	9.14E-08
546	420105.93	3739527.71	2.65E-07	6.11E-07	0.00E+00	0.00E+00	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	6.11E-07	0.00E+00	0.00E+00	8.76E-07	3.34E-08	5.98E-08	0.00E+00	0.00E+00	9.32E-08
547	420096.56	3739527.71	2.70E-07	6.23E-07	0.00E+00	0.00E+00	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	6.23E-07	0.00E+00	0.00E+00	8.93E-07	3.40E-08	6.10E-08	0.00E+00	0.00E+00	9.50E-08
548	420087.19	3739527.71	2.75E-07	6.34E-07	0.00E+00	0.00E+00	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	6.34E-07	0.00E+00	0.00E+00	9.09E-07	3.46E-08	6.21E-08	0.00E+00	0.00E+00	9.67E-08
549	420077.82	3739527.71	2.80E-07	6.45E-07	0.00E+00	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	6.45E-07	0.00E+00	0.00E+00	9.25E-07	3.52E-08	6.31E-08	0.00E+00	0.00E+00	9.83E-08
550	420068.45	3739527.71	2.85E-07	6.55E-07	0.00E+00	0.00E+00	9.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	6.55E-07	0.00E+00	0.00E+00	9.39E-07	3.58E-08	6.41E-08	0.00E+00	0.00E+00	9.99E-08
551	420234.7	3739508.32	1.86E-07	4.29E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	4.29E-07	0.00E+00	0.00E+00	6.15E-07	2.34E-08	4.20E-08	0.00E+00	0.00E+00	6.54E-08
552	420243.26	3739511.85	1.85E-07	4.25E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	4.25E-07	0.00E+00	0.00E+00	6.10E-07	2.32E-08	4.16E-08	0.00E+00	0.00E+00	6.49E-08
553	420251.83	3739515.39	1.83E-07	4.21E-07	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	4.21E-07	0.00E+00	0.00E+00	6.04E-07	2.30E-08	4.13E-08	0.00E+00	0.00E+00	6.43E-08
554	420260.39	3739518.92	1.81E-07	4.18E-07	0.00E+00	0.00E+00	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	4.18E-07	0.00E+00	0.00E+00	5.99E-07	2.28E-08	4.09E-08	0.00E+00	0.00E+00	6.37E-08
555	420268.96	3739522.46	1.80E-07	4.14E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	4.14E-07	0.00E+00	0.00E+00	5.94E-07	2.26E-08	4.05E-08	0.00E+00	0.00E+00	6.31E-08
556	420277.52	3739525.99	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.88E-07	2.24E-08	4.02E-08	0.00E+00	0.00E+00	6.26E-08
557	420286.09	3739529.53	1.77E-07	4.07E-07	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	4.07E-07	0.00E+00	0.00E+00	5.83E-07	2.22E-08	3.98E-08	0.00E+00	0.00E+00	6.20E-08
558	420294.65	3739533.06	1.75E-07	4.03E-07	0.00E+00	0.00E+00	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	4.03E-07	0.00E+00	0.00E+00	5.78E-07	2.20E-08	3.95E-08	0.00E+00	0.00E+00	6.15E-08
559	420303.22	3739536.6	1.74E-07	4.00E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	4.00E-07	0.00E+00	0.00E+00	5.73E-07	2.18E-08	3.91E-08	0.00E+00	0.00E+00	6.10E-08
560	420311.78	3739540.14	1.72E-07	3.96E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	3.96E-07	0.00E+00	0.00E+00	5.68E-07	2.16E-08	3.88E-08	0.00E+00	0.00E+00	6.04E-08
561	420320.35	3739543.67	1.71E-07	3.93E-07	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-07	3.93E-07	0.00E+00	0.00E+00	5.63E-07	2.15E-08	3.84E-08	0.00E+00	0.00E+00	5.99E-08
562	420328.91	3739547.21	1.69E-07	3.89E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	3.89E-07	0.00E+00	0.00E+00	5.58E-07	2.13E-08	3.81E-08	0.00E+00	0.00E+00	5.94E-08
563	420337.48	3739550.74	1.68E-07	3.86E-07	0.00E+00	0.00E+00	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-07	3.86E-07	0.00E+00	0.00E+00	5.53E-07	2.11E-08	3.78E-08	0.00E+00	0.00E+00	5.88E-08
564	420346.04	3739554.28	1.66E-07	3.82E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	3.82E-07	0.00E+00	0.00E+00	5.48E-07	2.09E-08	3.74E-08	0.00E+00	0.00E+00	5.83E-08
565	420354.61	3739557.81	1.64E-07	3.79E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	3.79E-07	0.00E+00	0.00E+00	5.43E-07	2.07E-08	3.71E-08	0.00E+00	0.00E+00	5.77E-08
566	420363.17	3739561.35	1.63E-07	3.75E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	3.75E-07	0.00E+00	0.00E+00	5.38E-07	2.05E-08	3.67E-08	0.00E+00	0.00E+00	5.72E-08
567	420371.74	3739564.88	1.61E-07	3.71E-07	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	3.71E-07	0.00E+00	0.00E+00	5.33E-07	2.03E-08	3.64E-08	0.00E+00	0.00E+00	5.67E-08
568	420380.3	3739568.42	1.60E-07	3.68E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	3.68E-07	0.00E+00	0.00E+00	5.28E-07	2.01E-08	3.60E-08	0.00E+00	0.00E+00	5.61E-08
569	420388.87	3739571.95	1.58E-07	3.64E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	3.64E-07	0.00E+00	0.00E+00	5.23E-07	1.99E-08	3.57E-08	0.00E+00	0.00E+00	5.56E-08
570	420397.43	3739575.49	1.57E-07	3.61E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.61E-07	0.00E+00	0.00E+00	5.17E-07	1.97E-08	3.53E-08	0.00E+00	0.00E+00	5.50E-08
571	420406	3739579.03	1.55E-07	3.57E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	3.57E-07	0.00E+00	0.00E+00	5.12E-07	1.95E-08	3.49E-08	0.00E+00	0.00E+00	5.44E-08
572	420414.56	3739582.56	1.53E-07	3.53E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	3.53E-07	0.00E+00	0.00E+00	5.06E-07	1.93E-08	3.46E-08	0.00E+00	0.00E+00	5.39E-08
573	420423.13	3739586.1	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	1.91E-08	3.42E-08	0.00E+00	0.00E+00	5.33E-08
574	420431.69	3739589.63	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	1.89E-08	3.39E-08	0.00E+00	0.00E+00	5.28E-08
575	420440.26	3739593.17	1.49E-07	3.42E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.42E-07	0.00E+00	0.00E+00	4.91E-07	1.87E-08	3.35E-08	0.00E+00	0.00E+00	5.22E-08
576	420448.82	3739596.7	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.86E-07	1.85E-08	3.32E-08	0.00E+00	0.00E+00	5.17E-08
577	420457.39	3739600.24	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	1.83E-08	3.28E-08	0.00E+00	0.00E+00	5.11E-08
578	420465.95	3739603.77	1.44E-07	3.32E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.32E-07	0.00E+00	0.00E+00	4.76E-07	1.81E-08	3.25E-08	0.00E+00	0.00E+00	5.06E-08
579	420474.52	3739607.31	1.43E-07	3.29E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	3.29E-07	0.00E+00	0.00E+00	4.71E-07	1.80E-08	3.22E-08	0.00E+00	0.00E+00	5.01E-08
580	420483.08	3739610.84	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.67E-07	1.78E-08	3.19E-08	0.00E+00	0.00E+00	4.96E-08
581	420491.65	3739614.38	1.40E-07	3.22E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	3.22E-07	0.00E+00	0.00E+00	4.62E-07	1.76E-08	3.15E-08	0.00E+00	0.00E+00	4.91E-08
582	420500.21	3739617.92	1.38E-07	3.19E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	3.19E-07	0.00E+00	0.00E+00	4.57E-07	1.74E-08	3.12E-08	0.00E+00	0.00E+00	4.86E-08
583	420508.78	3739621.45	1.37E-07	3.15E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.15E-07	0.00E+00	0.00E+00	4.52E-07	1.72E-08	3.09E-08	0.00E+00	0.00E+00	4.81E-08
584	420517.34	3739624.99	1.36E-07	3.12E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	3.12E-07	0.00E+00	0.00E+00	4.48E-07	1.71E-08	3.06E-08	0.00E+00	0.00E+00	4.76E-08
585	420199.63	3739497.71	1.95E-07	4.50E-07	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	4.50E-07	0.00E+00	0.00E+00	6.45E-07	2.46E-08	4.41E-08	0.00E+00	0.00E+00	6.86E-08
586	420190.26	3739497.71	2.00E-07	4.59E-07	0.00E+00	0.00E+00	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	4.59E-07	0.00E+00	0.00E+00	6.59E-07	2.51E-08	4.50E-08	0.00E+00	0.00E+00	7.01E-08
587	420180.89	3739497.71	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.73E-07	2.56E-08	4.59E-08	0.00E+00	0.00E+00	7.16E-08
588	420171.52	3739497.71	2.08E-07	4.79E-07	0.00E+00	0.00E+00	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	4.79E-07	0.00E+00	0.00E+00	6.87E-07	2.62E-08	4.69E-08	0.00E+00	0.00E+00	7.31E-08
589	420162.15	3739497.71	2.12E-07	4.89E-07	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	4.89E-07	0.00E+00	0.00E+00	7.01E-07	2.67E-08	4.79E-08	0.00E+00	0.00E+00	7.46E-08
590	420152.78	3739497.71	2.17E-07	4.99E-07	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	4.99E-07	0.00E+00	0.00E+00	7.16E-07	2.73E-08	4.88E-08	0.00E+00	0.00E+00	7.61E-08
591	420143.41	3739497.71	2.21E-07	5.09E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	5.09E-07	0.00E+00	0.00E+00	7.31E-07	2.78E-08	4.99E-08	0.00E+00	0.00E+00	7.77E-08
592	420134.04	3739497.71	2.26E-07	5.20E-07	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	5.20E-07	0.00E+00	0.00E+00	7.46E-07	2.84E-08	5.09E-08	0.00E+00	0.00E+00	7.94E-08
593	420124.67	3739497.71	2.31E-07	5.31E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	5.31E-07	0.00E+00	0.00E+00	7.62E-07	2.90E-08	5.20E-08	0.00E+00	0.00E+00	8.10E-08
594	420115.3	3739497.71	2.36E-07	5.42E-07	0.00E+00	0.00E+00	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	5.42E-07	0.00E+00	0.00E+00	7.78E-07	2.96E-08	5.31E-08	0.00E+00	0.00E+00	8.27E-08
595	420105.93	3739497.71	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.93E-07	3.02E-08	5.42E-08	0.00E+00	0.00E+00	8.44E-08
596	420096.56	3739497.71	2.45E-07	5.64E-07	0.00E+00	0.00E

647	420096.56	3739467.71	2.23E-07	5.13E-07	0.00E+00	0.00E+00	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.13E-07	0.00E+00	0.00E+00	7.36E-07	2.80E-08	5.02E-08	0.00E+00	0.00E+00	7.82E-08
648	420087.19	3739467.71	2.27E-07	5.22E-07	0.00E+00	0.00E+00	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	5.22E-07	0.00E+00	0.00E+00	7.49E-07	2.85E-08	5.11E-08	0.00E+00	0.00E+00	7.97E-08
649	420077.82	3739467.71	2.31E-07	5.31E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	5.31E-07	0.00E+00	0.00E+00	7.62E-07	2.90E-08	5.20E-08	0.00E+00	0.00E+00	8.10E-08
650	420068.45	3739467.71	2.34E-07	5.40E-07	0.00E+00	0.00E+00	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	5.40E-07	0.00E+00	0.00E+00	7.74E-07	2.95E-08	5.29E-08	0.00E+00	0.00E+00	8.23E-08
651	420234.66	3739448.3	1.59E-07	3.65E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	3.65E-07	0.00E+00	0.00E+00	5.24E-07	1.99E-08	3.58E-08	0.00E+00	0.00E+00	5.57E-08
652	420243.22	3739451.83	1.57E-07	3.62E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.62E-07	0.00E+00	0.00E+00	5.19E-07	1.98E-08	3.54E-08	0.00E+00	0.00E+00	5.52E-08
653	420251.77	3739455.37	1.56E-07	3.59E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	3.59E-07	0.00E+00	0.00E+00	5.15E-07	1.96E-08	3.52E-08	0.00E+00	0.00E+00	5.48E-08
654	420260.33	3739458.9	1.55E-07	3.56E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	3.56E-07	0.00E+00	0.00E+00	5.11E-07	1.95E-08	3.49E-08	0.00E+00	0.00E+00	5.43E-08
655	420268.88	3739462.43	1.53E-07	3.53E-07	0.00E+00	0.00E+00	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	3.53E-07	0.00E+00	0.00E+00	5.07E-07	1.93E-08	3.46E-08	0.00E+00	0.00E+00	5.39E-08
656	420277.44	3739465.96	1.52E-07	3.50E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.50E-07	0.00E+00	0.00E+00	5.03E-07	1.91E-08	3.43E-08	0.00E+00	0.00E+00	5.34E-08
657	420285.99	3739469.49	1.51E-07	3.48E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	3.48E-07	0.00E+00	0.00E+00	4.99E-07	1.90E-08	3.40E-08	0.00E+00	0.00E+00	5.30E-08
658	420294.54	3739473.02	1.50E-07	3.45E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.45E-07	0.00E+00	0.00E+00	4.95E-07	1.89E-08	3.38E-08	0.00E+00	0.00E+00	5.26E-08
659	420303.1	3739476.55	1.49E-07	3.42E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.42E-07	0.00E+00	0.00E+00	4.91E-07	1.87E-08	3.35E-08	0.00E+00	0.00E+00	5.22E-08
660	420311.65	3739480.08	1.48E-07	3.40E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	3.40E-07	0.00E+00	0.00E+00	4.87E-07	1.86E-08	3.33E-08	0.00E+00	0.00E+00	5.18E-08
661	420320.21	3739483.61	1.47E-07	3.37E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.37E-07	0.00E+00	0.00E+00	4.84E-07	1.84E-08	3.30E-08	0.00E+00	0.00E+00	5.15E-08
662	420328.76	3739487.14	1.45E-07	3.35E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	3.35E-07	0.00E+00	0.00E+00	4.80E-07	1.83E-08	3.28E-08	0.00E+00	0.00E+00	5.11E-08
663	420337.32	3739490.68	1.44E-07	3.32E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.32E-07	0.00E+00	0.00E+00	4.76E-07	1.81E-08	3.25E-08	0.00E+00	0.00E+00	5.07E-08
664	420345.87	3739494.21	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.73E-07	1.80E-08	3.23E-08	0.00E+00	0.00E+00	5.03E-08
665	420354.42	3739497.74	1.42E-07	3.27E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	3.27E-07	0.00E+00	0.00E+00	4.69E-07	1.79E-08	3.20E-08	0.00E+00	0.00E+00	4.99E-08
666	420362.98	3739501.27	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.66E-07	1.77E-08	3.18E-08	0.00E+00	0.00E+00	4.95E-08
667	420371.53	3739504.8	1.40E-07	3.22E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	3.22E-07	0.00E+00	0.00E+00	4.62E-07	1.76E-08	3.15E-08	0.00E+00	0.00E+00	4.91E-08
668	420380.09	3739508.33	1.39E-07	3.19E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	3.19E-07	0.00E+00	0.00E+00	4.58E-07	1.74E-08	3.13E-08	0.00E+00	0.00E+00	4.87E-08
669	420388.64	3739511.86	1.38E-07	3.17E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	3.17E-07	0.00E+00	0.00E+00	4.54E-07	1.73E-08	3.10E-08	0.00E+00	0.00E+00	4.83E-08
670	420397.2	3739515.39	1.36E-07	3.14E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	3.14E-07	0.00E+00	0.00E+00	4.50E-07	1.72E-08	3.07E-08	0.00E+00	0.00E+00	4.79E-08
671	420405.75	3739518.92	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.46E-07	1.70E-08	3.05E-08	0.00E+00	0.00E+00	4.75E-08
672	420414.31	3739522.45	1.34E-07	3.08E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	3.08E-07	0.00E+00	0.00E+00	4.42E-07	1.69E-08	3.02E-08	0.00E+00	0.00E+00	4.70E-08
673	420422.86	3739525.99	1.33E-07	3.06E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	3.06E-07	0.00E+00	0.00E+00	4.38E-07	1.67E-08	2.99E-08	0.00E+00	0.00E+00	4.66E-08
674	420431.41	3739529.52	1.32E-07	3.03E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	3.03E-07	0.00E+00	0.00E+00	4.35E-07	1.66E-08	2.97E-08	0.00E+00	0.00E+00	4.62E-08
675	420439.97	3739533.05	1.30E-07	3.00E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	3.00E-07	0.00E+00	0.00E+00	4.31E-07	1.64E-08	2.94E-08	0.00E+00	0.00E+00	4.58E-08
676	420448.52	3739536.58	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.27E-07	1.63E-08	2.91E-08	0.00E+00	0.00E+00	4.54E-08
677	420457.08	3739540.11	1.28E-07	2.95E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.95E-07	0.00E+00	0.00E+00	4.23E-07	1.61E-08	2.89E-08	0.00E+00	0.00E+00	4.50E-08
678	420465.63	3739543.64	1.27E-07	2.92E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.92E-07	0.00E+00	0.00E+00	4.19E-07	1.60E-08	2.86E-08	0.00E+00	0.00E+00	4.45E-08
679	420474.19	3739547.17	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.15E-07	1.58E-08	2.83E-08	0.00E+00	0.00E+00	4.41E-08
680	420482.74	3739550.7	1.24E-07	2.86E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.86E-07	0.00E+00	0.00E+00	4.11E-07	1.57E-08	2.80E-08	0.00E+00	0.00E+00	4.37E-08
681	420491.3	3739554.23	1.23E-07	2.84E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.84E-07	0.00E+00	0.00E+00	4.07E-07	1.55E-08	2.78E-08	0.00E+00	0.00E+00	4.33E-08
682	420499.85	3739557.76	1.22E-07	2.81E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.81E-07	0.00E+00	0.00E+00	4.03E-07	1.53E-08	2.75E-08	0.00E+00	0.00E+00	4.28E-08
683	420508.4	3739561.3	1.21E-07	2.78E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.78E-07	0.00E+00	0.00E+00	3.99E-07	1.52E-08	2.72E-08	0.00E+00	0.00E+00	4.24E-08
684	420516.96	3739564.83	1.20E-07	2.75E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.75E-07	0.00E+00	0.00E+00	3.95E-07	1.50E-08	2.70E-08	0.00E+00	0.00E+00	4.20E-08
685	420525.51	3739568.36	1.18E-07	2.73E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.73E-07	0.00E+00	0.00E+00	3.91E-07	1.49E-08	2.67E-08	0.00E+00	0.00E+00	4.16E-08
686	420728.97	3739885.39	1.80E-07	4.14E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	4.14E-07	0.00E+00	0.00E+00	5.93E-07	2.26E-08	4.05E-08	0.00E+00	0.00E+00	6.31E-08
687	420732.54	3739893.92	1.83E-07	4.22E-07	0.00E+00	0.00E+00	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	4.22E-07	0.00E+00	0.00E+00	6.05E-07	2.31E-08	4.13E-08	0.00E+00	0.00E+00	6.44E-08
688	420736.12	3739902.46	1.87E-07	4.31E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	4.31E-07	0.00E+00	0.00E+00	6.18E-07	2.35E-08	4.22E-08	0.00E+00	0.00E+00	6.57E-08
689	420739.69	3739911	1.91E-07	4.39E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	4.39E-07	0.00E+00	0.00E+00	6.30E-07	2.40E-08	4.30E-08	0.00E+00	0.00E+00	6.70E-08
690	420743.26	3739919.53	1.95E-07	4.48E-07	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	4.48E-07	0.00E+00	0.00E+00	6.43E-07	2.45E-08	4.39E-08	0.00E+00	0.00E+00	6.84E-08
691	420746.84	3739928.07	1.99E-07	4.57E-07	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	4.57E-07	0.00E+00	0.00E+00	6.56E-07	2.50E-08	4.48E-08	0.00E+00	0.00E+00	6.98E-08
692	420750.41	3739936.61	2.03E-07	4.67E-07	0.00E+00	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	4.67E-07	0.00E+00	0.00E+00	6.70E-07	2.55E-08	4.57E-08	0.00E+00	0.00E+00	7.12E-08
693	420753.98	3739945.14	2.07E-07	4.76E-07	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	4.76E-07	0.00E+00	0.00E+00	6.83E-07	2.60E-08	4.66E-08	0.00E+00	0.00E+00	7.26E-08
694	420757.55	3739953.68	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.97E-07	2.65E-08	4.76E-08	0.00E+00	0.00E+00	7.41E-08
695	420761.13	3739962.22	2.15E-07	4.95E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	4.95E-07	0.00E+00	0.00E+00	7.10E-07	2.71E-08	4.85E-08	0.00E+00	0.00E+00	7.55E-08
696	420764.7	3739970.75	2.19E-07	5.05E-07	0.00E+00	0.00E+00	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	5.05E-07	0.00E+00	0.00E+00	7.24E-07	2.76E-08	4.94E-08	0.00E+00	0.00E+00	7.70E-08
697	420199.63	3739437.71	1.66E-07	3.82E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	3.82E-07	0.00E+00	0.00E+00	5.48E-07	2.09E-08	3.74E-08	0.00E+00	0.00E+00	5.83E-08
698	420190.26	3739437.71	1.69E-07	3.89E-07	0.00E+00	0.00E+00	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	3.89E-07	0.00E+00	0.00E+00	5.58E-07	2.13E-08	3.81E-08	0.00E+00	0.00E+00	5.94E-08
699	420180.89	3739437.71	1.72E-07	3.97E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	3.97E-07	0.00E+00	0.00E+00	5.69E-07	2.17E-08	3.89E-08	0.00E+00	0.00E+00	6.05E-08
700	420171.52	3739437.71	1.76E-07	4.04E-07	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	4.04E-07	0.00E+00	0.00E+00	5.80E-07	2.21E-08	3.96E-08	0.00E+00	0.00E+00	6.17E-08
701	420162.15	3739437.71	1.79E-07	4.12E-07	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	4.12E-07	0.00E+00	0.00E+00	5.91E-07	2.25E-08	4.04E-08	0.00E+00	0.00E+00	6.29E-08
702	420152.78	3739437.71	1.83E-07	4.20E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	4.20E-07	0.00E+00	0.00E+00	6.03E-07	2.30E-08	4.11E-08	0.00E+00	0.00E+00	6.41E-08
703	420143.41	3739437.71	1.86E-07	4.28E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	4.28E-07	0.00E+00	0.00E+00	6.14E-07	2.34E-08	4.19E-08	0.00E+00	0.00E+00	6.53E-08
704	420134.04	3739437.71	1.89E-07	4.36E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	4.36E-07	0.00E+00	0.00E+00	6.26E-07	2.38E-08	4.27E-08	0.00E+00	0.00E+00	6.65E-08
705	420124.67	3739437.71	1.93E-07	4.44E-07	0.00E+00	0.00E+00	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	4.44E-07	0.00E+00	0.00E+00	6.37E-07	2.43E-08	4.35E-08	0.00E+00	0.00E+00	6.77E-08
706	420115.3	3739437.71	1.97E-07	4.52E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	4.52E-07	0.00E+00	0.00E+00	6.49E-07	2.47E-08	4.43E-08	0.00E+00	0.00E+00	6.90E-08
707	420105.93	3739437.71	2.00E-07	4.61E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	4.61E-07	0.00E+00	0.00E+00	6.61E-07	2.52E-08	4.51E-08	0.00E+00	0.00E+00	7.03E-08
708	420096.56	3739437.71	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.73E-07	2.56E-08	4.60E-08	0.00E+00	0.00E+00	7.16E-08
709	420087.19	3739437.71	2.07E-07	4.78E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	4.78E-07	0.00E+00	0.00E+00	6.85E-07	2.61E-08	4.68E-08	0.00E+00	0.00E+00	7.29E-08
710	420077.82	3739437.71	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.96E-07	2.65E-08	4.75E-08	0.00E+00	0.00E+00	7.41E-08
711	420068.45	3739437.71	2.14E-07	4.93E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	4.93E-07	0.00E+00	0.00E+00	7.08E-07	2.69E-08	4.83E-08	0.00E+00	0.00E+00	7.52E-08
712	420234.91	3739418.41	1.47E-07	3.38E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.38E-07	0.00E+00	0.00E+00	4.85E-07	1.85E-08	3.31E-08	0.00E+00	0.00E+00	5.16E-08
713	420243.55	3739421.97	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	1.83E-08	3.29E-08	0.00E+00	0.00E+00	5.12E-08
714	420252.19	3739425.54	1.45E-07	3.33E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	3.33E-07	0.00E+00	0.00E+00	4.77E-07	1.82E-08	3.26E-08	0.00E+00	0.00E+00	5.08E-08
715	420260.82	3739429.1	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.73E-07	1.80E-08	3.23E-08	0.00E+00	0.00E+00	5.04E-08
716	420269.46	3739432.67	1.42E-07	3.27E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	3.27E-07	0.00E+00	0.00E+00	4.70E-07	1.79E-08	3.21E-08	0.00E+00	0.00E+00	4.99E-08
717	420278.1	3739436.23	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.66E-07	1.78E-08	3.18E-08	0.00E+00	0.00E+00	4.96E-08
718	420286.73	3739439.8	1.40E-07	3.23E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	3.23E-07	0.00E+00	0.00E+00	4.63E-07	1.76E-08	3.16E-08	0.00E+00	0.00E+00	4.92E-08
719	420295.37	3739443.36	1.39E-07	3.21E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	3.21E-07	0.00E+00	0.00E+00	4.60E-07	1.75E-08	3.14E-08	0.00E+00	0.00E+00	4.89E-08
720	420304.01	3739446.93	1.38E-07	3.18E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	3.18E-07	0.00E+00	0.00E+00	4.56E-07	1.74E-08	3.12E-08	0.00E+00	0.00E+00	4.85E-08
721	420312.65	3739450.49	1.37E-07	3.16E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.16E-07	0.00E+00	0.00E+00	4.53E-07	1.73E-08	3.09E-08	0.00E+00	0.00E+00	4.82E-08
722	420321.28	3739454.06	1.36E-07	3.14E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	3.14E-07	0.00E+00	0.00E+00	4.50E-07	1.71E-08	3.07E-08	0.00E+00	0.00E+00	4.78E-08
723	420329.92	3739457.62	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.47E-07	1.70E-08	3.05E-08	0.00E+00	0.00E+00	4.75E-08
724	420338.56	3739461.19	1.34E-07	3.09E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	3.09E-07	0.00E+00	0.00E+00	4.43E-07	1.69E-08	3.03E-08	0.00E+00	0.00E+00	4.72E-08
725	420347.19	3739464.75	1.33E-07	3.07E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	3.07E-07	0.00E+00	0.00E+00	4.40E-07	1.68E-08	3.01E-08	0.00E+00	0.00E+00	4.68E-08
726	420355.83	3739468.32	1.32E-07	3.05E-07

777	420180.89	3739407.71	1.60E-07	3.67E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	3.67E-07	0.00E+00	0.00E+00	5.27E-07	2.01E-08	3.60E-08	0.00E+00	0.00E+00	5.60E-08
778	420171.52	3739407.71	1.63E-07	3.74E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	3.74E-07	0.00E+00	0.00E+00	5.37E-07	2.04E-08	3.66E-08	0.00E+00	0.00E+00	5.71E-08
779	420162.15	3739407.71	1.66E-07	3.81E-07	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	3.81E-07	0.00E+00	0.00E+00	5.47E-07	2.08E-08	3.73E-08	0.00E+00	0.00E+00	5.81E-08
780	420152.78	3739407.71	1.69E-07	3.88E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	3.88E-07	0.00E+00	0.00E+00	5.57E-07	2.12E-08	3.80E-08	0.00E+00	0.00E+00	5.92E-08
781	420143.41	3739407.71	1.72E-07	3.95E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	3.95E-07	0.00E+00	0.00E+00	5.67E-07	2.16E-08	3.87E-08	0.00E+00	0.00E+00	6.03E-08
782	420134.04	3739407.71	1.75E-07	4.02E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-07	4.02E-07	0.00E+00	0.00E+00	5.77E-07	2.20E-08	3.94E-08	0.00E+00	0.00E+00	6.14E-08
783	420124.67	3739407.71	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.87E-07	2.24E-08	4.01E-08	0.00E+00	0.00E+00	6.25E-08
784	420115.3	3739407.71	1.81E-07	4.17E-07	0.00E+00	0.00E+00	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	4.17E-07	0.00E+00	0.00E+00	5.98E-07	2.28E-08	4.08E-08	0.00E+00	0.00E+00	6.36E-08
785	420105.93	3739407.71	1.84E-07	4.24E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	4.24E-07	0.00E+00	0.00E+00	6.08E-07	2.32E-08	4.15E-08	0.00E+00	0.00E+00	6.47E-08
786	420096.56	3739407.71	1.87E-07	4.31E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	4.31E-07	0.00E+00	0.00E+00	6.18E-07	2.36E-08	4.22E-08	0.00E+00	0.00E+00	6.58E-08
787	420087.19	3739407.71	1.90E-07	4.38E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	4.38E-07	0.00E+00	0.00E+00	6.29E-07	2.39E-08	4.29E-08	0.00E+00	0.00E+00	6.69E-08
788	420077.82	3739407.71	1.94E-07	4.45E-07	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	4.45E-07	0.00E+00	0.00E+00	6.39E-07	2.43E-08	4.36E-08	0.00E+00	0.00E+00	6.80E-08
789	420068.45	3739407.71	1.97E-07	4.52E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	4.52E-07	0.00E+00	0.00E+00	6.49E-07	2.47E-08	4.43E-08	0.00E+00	0.00E+00	6.90E-08
790	420243.07	3739381.77	1.33E-07	3.05E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	3.05E-07	0.00E+00	0.00E+00	4.38E-07	1.67E-08	2.99E-08	0.00E+00	0.00E+00	4.66E-08
791	420251.59	3739385.29	1.32E-07	3.03E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	3.03E-07	0.00E+00	0.00E+00	4.35E-07	1.66E-08	2.97E-08	0.00E+00	0.00E+00	4.62E-08
792	420260.11	3739388.8	1.31E-07	3.01E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.01E-07	0.00E+00	0.00E+00	4.31E-07	1.64E-08	2.94E-08	0.00E+00	0.00E+00	4.59E-08
793	420268.62	3739392.32	1.30E-07	2.99E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.99E-07	0.00E+00	0.00E+00	4.28E-07	1.63E-08	2.92E-08	0.00E+00	0.00E+00	4.55E-08
794	420277.14	3739395.84	1.29E-07	2.96E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.96E-07	0.00E+00	0.00E+00	4.25E-07	1.62E-08	2.90E-08	0.00E+00	0.00E+00	4.52E-08
795	420285.66	3739399.35	1.28E-07	2.94E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.94E-07	0.00E+00	0.00E+00	4.22E-07	1.61E-08	2.88E-08	0.00E+00	0.00E+00	4.49E-08
796	420294.18	3739402.87	1.27E-07	2.93E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.93E-07	0.00E+00	0.00E+00	4.20E-07	1.60E-08	2.86E-08	0.00E+00	0.00E+00	4.46E-08
797	420302.69	3739406.38	1.26E-07	2.91E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.91E-07	0.00E+00	0.00E+00	4.17E-07	1.59E-08	2.85E-08	0.00E+00	0.00E+00	4.43E-08
798	420311.21	3739409.9	1.25E-07	2.89E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.89E-07	0.00E+00	0.00E+00	4.14E-07	1.58E-08	2.83E-08	0.00E+00	0.00E+00	4.40E-08
799	420319.73	3739413.42	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.11E-07	1.57E-08	2.81E-08	0.00E+00	0.00E+00	4.37E-08
800	420328.25	3739416.93	1.24E-07	2.85E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.85E-07	0.00E+00	0.00E+00	4.08E-07	1.56E-08	2.79E-08	0.00E+00	0.00E+00	4.34E-08
801	420336.76	3739420.45	1.23E-07	2.83E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.83E-07	0.00E+00	0.00E+00	4.06E-07	1.55E-08	2.77E-08	0.00E+00	0.00E+00	4.32E-08
802	420345.28	3739423.96	1.22E-07	2.81E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.81E-07	0.00E+00	0.00E+00	4.03E-07	1.53E-08	2.75E-08	0.00E+00	0.00E+00	4.29E-08
803	420353.8	3739427.48	1.21E-07	2.79E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.79E-07	0.00E+00	0.00E+00	4.00E-07	1.52E-08	2.73E-08	0.00E+00	0.00E+00	4.26E-08
804	420362.32	3739430.99	1.20E-07	2.77E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.77E-07	0.00E+00	0.00E+00	3.98E-07	1.51E-08	2.71E-08	0.00E+00	0.00E+00	4.23E-08
805	420370.83	3739434.51	1.20E-07	2.75E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.75E-07	0.00E+00	0.00E+00	3.95E-07	1.50E-08	2.70E-08	0.00E+00	0.00E+00	4.20E-08
806	420379.35	3739438.03	1.19E-07	2.74E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.74E-07	0.00E+00	0.00E+00	3.92E-07	1.49E-08	2.68E-08	0.00E+00	0.00E+00	4.17E-08
807	420387.87	3739441.54	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.90E-07	1.48E-08	2.66E-08	0.00E+00	0.00E+00	4.14E-08
808	420396.39	3739445.06	1.17E-07	2.70E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.70E-07	0.00E+00	0.00E+00	3.87E-07	1.47E-08	2.64E-08	0.00E+00	0.00E+00	4.12E-08
809	420404.9	3739448.57	1.16E-07	2.68E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.68E-07	0.00E+00	0.00E+00	3.84E-07	1.46E-08	2.62E-08	0.00E+00	0.00E+00	4.09E-08
810	420413.42	3739452.09	1.16E-07	2.66E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.66E-07	0.00E+00	0.00E+00	3.81E-07	1.45E-08	2.60E-08	0.00E+00	0.00E+00	4.06E-08
811	420421.94	3739455.61	1.15E-07	2.64E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.64E-07	0.00E+00	0.00E+00	3.79E-07	1.44E-08	2.58E-08	0.00E+00	0.00E+00	4.03E-08
812	420430.46	3739459.12	1.14E-07	2.62E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.62E-07	0.00E+00	0.00E+00	3.76E-07	1.43E-08	2.57E-08	0.00E+00	0.00E+00	4.00E-08
813	420438.98	3739462.64	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.73E-07	1.42E-08	2.55E-08	0.00E+00	0.00E+00	3.97E-08
814	420447.49	3739466.15	1.12E-07	2.58E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.58E-07	0.00E+00	0.00E+00	3.70E-07	1.41E-08	2.53E-08	0.00E+00	0.00E+00	3.93E-08
815	420456.01	3739469.67	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.67E-07	1.40E-08	2.51E-08	0.00E+00	0.00E+00	3.90E-08
816	420464.53	3739473.18	1.10E-07	2.54E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.54E-07	0.00E+00	0.00E+00	3.64E-07	1.39E-08	2.48E-08	0.00E+00	0.00E+00	3.87E-08
817	420473.05	3739476.7	1.09E-07	2.52E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.52E-07	0.00E+00	0.00E+00	3.61E-07	1.38E-08	2.46E-08	0.00E+00	0.00E+00	3.84E-08
818	420481.56	3739480.22	1.08E-07	2.50E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	2.50E-07	0.00E+00	0.00E+00	3.58E-07	1.36E-08	2.44E-08	0.00E+00	0.00E+00	3.81E-08
819	420490.08	3739483.73	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.55E-07	1.35E-08	2.42E-08	0.00E+00	0.00E+00	3.77E-08
820	420498.6	3739487.25	1.07E-07	2.45E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.45E-07	0.00E+00	0.00E+00	3.52E-07	1.34E-08	2.40E-08	0.00E+00	0.00E+00	3.74E-08
821	420507.12	3739490.76	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	1.33E-08	2.38E-08	0.00E+00	0.00E+00	3.71E-08
822	420515.63	3739494.28	1.05E-07	2.41E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.41E-07	0.00E+00	0.00E+00	3.46E-07	1.32E-08	2.36E-08	0.00E+00	0.00E+00	3.67E-08
823	420524.15	3739497.8	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.42E-07	1.30E-08	2.34E-08	0.00E+00	0.00E+00	3.64E-08
824	420532.67	3739501.31	1.03E-07	2.37E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.37E-07	0.00E+00	0.00E+00	3.39E-07	1.29E-08	2.32E-08	0.00E+00	0.00E+00	3.61E-08
825	420541.19	3739504.83	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.36E-07	1.28E-08	2.30E-08	0.00E+00	0.00E+00	3.58E-08
826	420549.7	3739508.34	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	1.27E-08	2.28E-08	0.00E+00	0.00E+00	3.55E-08
827	420558.22	3739511.86	1.00E-07	2.30E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	2.30E-07	0.00E+00	0.00E+00	3.30E-07	1.26E-08	2.26E-08	0.00E+00	0.00E+00	3.51E-08
828	420566.74	3739515.37	9.92E-08	2.28E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-08	2.28E-07	0.00E+00	0.00E+00	3.27E-07	1.25E-08	2.24E-08	0.00E+00	0.00E+00	3.48E-08
829	420575.26	3739518.89	9.83E-08	2.26E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-08	2.26E-07	0.00E+00	0.00E+00	3.24E-07	1.24E-08	2.22E-08	0.00E+00	0.00E+00	3.45E-08
830	420583.77	3739522.41	9.74E-08	2.24E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-08	2.24E-07	0.00E+00	0.00E+00	3.22E-07	1.22E-08	2.20E-08	0.00E+00	0.00E+00	3.42E-08
831	420592.29	3739525.92	9.65E-08	2.22E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-08	2.22E-07	0.00E+00	0.00E+00	3.19E-07	1.21E-08	2.18E-08	0.00E+00	0.00E+00	3.39E-08
832	420600.81	3739529.44	9.57E-08	2.20E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-08	2.20E-07	0.00E+00	0.00E+00	3.16E-07	1.20E-08	2.16E-08	0.00E+00	0.00E+00	3.36E-08
833	420609.33	3739532.95	9.48E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	1.19E-08	2.14E-08	0.00E+00	0.00E+00	3.33E-08
834	420724.47	3739707.05	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	1.40E-08	2.50E-08	0.00E+00	0.00E+00	3.90E-08
835	420728.03	3739715.55	1.13E-07	2.59E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.59E-07	0.00E+00	0.00E+00	3.72E-07	1.42E-08	2.54E-08	0.00E+00	0.00E+00	3.95E-08
836	420731.59	3739724.05	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.77E-07	1.44E-08	2.57E-08	0.00E+00	0.00E+00	4.01E-08
837	420735.14	3739732.55	1.16E-07	2.67E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.67E-07	0.00E+00	0.00E+00	3.82E-07	1.46E-08	2.61E-08	0.00E+00	0.00E+00	4.07E-08
838	420738.7	3739741.05	1.18E-07	2.71E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.71E-07	0.00E+00	0.00E+00	3.88E-07	1.48E-08	2.65E-08	0.00E+00	0.00E+00	4.13E-08
839	420742.26	3739749.55	1.19E-07	2.75E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.75E-07	0.00E+00	0.00E+00	3.94E-07	1.50E-08	2.69E-08	0.00E+00	0.00E+00	4.19E-08
840	420745.82	3739758.05	1.21E-07	2.79E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.79E-07	0.00E+00	0.00E+00	4.00E-07	1.52E-08	2.73E-08	0.00E+00	0.00E+00	4.25E-08
841	420756.49	3739783.55	1.27E-07	2.92E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.92E-07	0.00E+00	0.00E+00	4.19E-07	1.59E-08	2.86E-08	0.00E+00	0.00E+00	4.45E-08
842	420760.05	3739792.05	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.15E-07	1.58E-08	2.83E-08	0.00E+00	0.00E+00	4.41E-08
843	420763.61	3739800.55	1.27E-07	2.92E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.92E-07	0.00E+00	0.00E+00	4.19E-07	1.60E-08	2.86E-08	0.00E+00	0.00E+00	4.45E-08
844	420767.16	3739809.05	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.26E-07	1.62E-08	2.91E-08	0.00E+00	0.00E+00	4.53E-08
845	420770.72	3739817.55	1.31E-07	3.01E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.01E-07	0.00E+00	0.00E+00	4.32E-07	1.65E-08	2.95E-08	0.00E+00	0.00E+00	4.59E-08
846	420774.28	3739826.05	1.33E-07	3.06E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	3.06E-07	0.00E+00	0.00E+00	4.38E-07	1.67E-08	2.99E-08	0.00E+00	0.00E+00	4.66E-08
847	420777.84	3739834.55	1.35E-07	3.10E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.10E-07	0.00E+00	0.00E+00	4.45E-07	1.69E-08	3.04E-08	0.00E+00	0.00E+00	4.73E-08
848	420781.4	3739843.05	1.37E-07	3.15E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.15E-07	0.00E+00	0.00E+00	4.52E-07	1.72E-08	3.08E-08	0.00E+00	0.00E+00	4.80E-08
849	420784.95	3739851.55	1.39E-07	3.20E-07	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	3.20E-07	0.00E+00	0.00E+00	4.60E-07	1.75E-08	3.14E-08	0.00E+00	0.00E+00	4.89E-08
850	420788.51	3739860.05	1.42E-07	3.26E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	3.26E-07	0.00E+00	0.00E+00	4.68E-07	1.78E-08	3.19E-08	0.00E+00	0.00E+00	4.98E-08
851	420792.07	3739868.56	1.45E-07	3.33E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	3.33E-07	0.00E+00	0.00E+00	4.77E-07	1.82E-08	3.26E-08	0.00E+00	0.00E+00	5.08E-08
852	420795.63	3739877.06	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.87E-07	1.85E-08	3.32E-08	0.00E+00	0.00E+00	5.18E-08
853	420799.18	3739885.56	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.97E-07	1.89E-08	3.39E-08	0.00E+00	0.00E+00	5.28E-08
854	420802.74	3739894.06	1.54E-07	3.54E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	3.54E-07	0.00E+00	0.00E+00	5.08E-07	1.93E-08	3.46E-08	0.00E+00	0.00E+00	5.40E-08
855	420806.3	3739902.56	1.57E-07	3.62E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.62E-07	0.00E+00	0.00E+00	5.19E-07	1.98E-08	3.54E-08	0.00E+00	0.00E+00	5.52E-08
856	420809.86	3739911.06	1.65E-07	3.79E-07	0.00E+00	0.00

907	420738.73	3739645.36	9.49E-08	2.19E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-08	2.19E-07	0.00E+00	0.00E+00	3.13E-07	1.19E-08	2.14E-08	0.00E+00	0.00E+00	3.33E-08
908	420742.31	3739653.91	9.61E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	1.21E-08	2.17E-08	0.00E+00	0.00E+00	3.37E-08
909	420745.89	3739662.46	9.73E-08	2.24E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-08	2.24E-07	0.00E+00	0.00E+00	3.21E-07	1.22E-08	2.19E-08	0.00E+00	0.00E+00	3.42E-08
910	420749.47	3739671	9.86E-08	2.27E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	2.27E-07	0.00E+00	0.00E+00	3.25E-07	1.24E-08	2.22E-08	0.00E+00	0.00E+00	3.46E-08
911	420753.04	3739679.55	9.99E-08	2.30E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-08	2.30E-07	0.00E+00	0.00E+00	3.30E-07	1.26E-08	2.25E-08	0.00E+00	0.00E+00	3.51E-08
912	420756.62	3739688.1	1.01E-07	2.33E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.33E-07	0.00E+00	0.00E+00	3.34E-07	1.27E-08	2.28E-08	0.00E+00	0.00E+00	3.55E-08
913	420760.2	3739696.65	1.03E-07	2.36E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.36E-07	0.00E+00	0.00E+00	3.39E-07	1.29E-08	2.31E-08	0.00E+00	0.00E+00	3.60E-08
914	420763.78	3739705.19	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	1.31E-08	2.34E-08	0.00E+00	0.00E+00	3.65E-08
915	420767.35	3739713.74	1.05E-07	2.43E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.43E-07	0.00E+00	0.00E+00	3.48E-07	1.33E-08	2.38E-08	0.00E+00	0.00E+00	3.70E-08
916	420770.93	3739722.29	1.07E-07	2.46E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.46E-07	0.00E+00	0.00E+00	3.53E-07	1.34E-08	2.41E-08	0.00E+00	0.00E+00	3.75E-08
917	420774.51	3739730.84	1.08E-07	2.49E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	2.49E-07	0.00E+00	0.00E+00	3.58E-07	1.36E-08	2.44E-08	0.00E+00	0.00E+00	3.80E-08
918	420778.09	3739739.38	1.10E-07	2.53E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.53E-07	0.00E+00	0.00E+00	3.63E-07	1.38E-08	2.48E-08	0.00E+00	0.00E+00	3.86E-08
919	420781.66	3739747.93	1.11E-07	2.57E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.57E-07	0.00E+00	0.00E+00	3.68E-07	1.40E-08	2.51E-08	0.00E+00	0.00E+00	3.91E-08
920	420785.24	3739756.48	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.73E-07	1.42E-08	2.55E-08	0.00E+00	0.00E+00	3.97E-08
921	420795.97	3739782.12	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.90E-07	1.49E-08	2.66E-08	0.00E+00	0.00E+00	4.15E-08
922	420799.55	3739790.67	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.85E-07	1.47E-08	2.63E-08	0.00E+00	0.00E+00	4.10E-08
923	420803.13	3739799.22	1.18E-07	2.71E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.71E-07	0.00E+00	0.00E+00	3.89E-07	1.48E-08	2.65E-08	0.00E+00	0.00E+00	4.13E-08
924	420806.71	3739807.77	1.19E-07	2.74E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.74E-07	0.00E+00	0.00E+00	3.93E-07	1.50E-08	2.69E-08	0.00E+00	0.00E+00	4.18E-08
925	420810.28	3739816.31	1.21E-07	2.78E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.78E-07	0.00E+00	0.00E+00	3.99E-07	1.52E-08	2.72E-08	0.00E+00	0.00E+00	4.24E-08
926	420813.86	3739824.86	1.22E-07	2.82E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.82E-07	0.00E+00	0.00E+00	4.04E-07	1.54E-08	2.76E-08	0.00E+00	0.00E+00	4.30E-08
927	420817.44	3739833.41	1.24E-07	2.86E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.86E-07	0.00E+00	0.00E+00	4.10E-07	1.56E-08	2.80E-08	0.00E+00	0.00E+00	4.36E-08
928	420821.02	3739841.96	1.27E-07	2.91E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.91E-07	0.00E+00	0.00E+00	4.18E-07	1.59E-08	2.85E-08	0.00E+00	0.00E+00	4.44E-08
929	420824.6	3739850.5	1.29E-07	2.96E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.96E-07	0.00E+00	0.00E+00	4.25E-07	1.62E-08	2.90E-08	0.00E+00	0.00E+00	4.52E-08
930	420199.63	3739327.71	1.27E-07	2.93E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.93E-07	0.00E+00	0.00E+00	4.20E-07	1.60E-08	2.87E-08	0.00E+00	0.00E+00	4.47E-08
931	420190.26	3739327.71	1.29E-07	2.98E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.98E-07	0.00E+00	0.00E+00	4.27E-07	1.63E-08	2.92E-08	0.00E+00	0.00E+00	4.54E-08
932	420180.89	3739327.71	1.32E-07	3.03E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	3.03E-07	0.00E+00	0.00E+00	4.34E-07	1.65E-08	2.97E-08	0.00E+00	0.00E+00	4.62E-08
933	420171.52	3739327.71	1.34E-07	3.08E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	3.08E-07	0.00E+00	0.00E+00	4.42E-07	1.68E-08	3.02E-08	0.00E+00	0.00E+00	4.70E-08
934	420162.15	3739327.71	1.36E-07	3.13E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	3.13E-07	0.00E+00	0.00E+00	4.49E-07	1.71E-08	3.07E-08	0.00E+00	0.00E+00	4.78E-08
935	420152.78	3739327.71	1.38E-07	3.19E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	3.19E-07	0.00E+00	0.00E+00	4.57E-07	1.74E-08	3.12E-08	0.00E+00	0.00E+00	4.86E-08
936	420143.41	3739327.71	1.41E-07	3.24E-07	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.24E-07	0.00E+00	0.00E+00	4.65E-07	1.77E-08	3.17E-08	0.00E+00	0.00E+00	4.94E-08
937	420134.04	3739327.71	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.73E-07	1.80E-08	3.23E-08	0.00E+00	0.00E+00	5.03E-08
938	420124.67	3739327.71	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	1.83E-08	3.28E-08	0.00E+00	0.00E+00	5.11E-08
939	420115.3	3739327.71	1.48E-07	3.40E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	3.40E-07	0.00E+00	0.00E+00	4.88E-07	1.86E-08	3.33E-08	0.00E+00	0.00E+00	5.19E-08
940	420105.93	3739327.71	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	1.89E-08	3.39E-08	0.00E+00	0.00E+00	5.28E-08
941	420096.56	3739327.71	1.53E-07	3.51E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	3.51E-07	0.00E+00	0.00E+00	5.04E-07	1.92E-08	3.44E-08	0.00E+00	0.00E+00	5.36E-08
942	420087.19	3739327.71	1.55E-07	3.57E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	3.57E-07	0.00E+00	0.00E+00	5.12E-07	1.95E-08	3.49E-08	0.00E+00	0.00E+00	5.44E-08
943	420077.82	3739327.71	1.57E-07	3.62E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.62E-07	0.00E+00	0.00E+00	5.19E-07	1.98E-08	3.54E-08	0.00E+00	0.00E+00	5.52E-08
944	420068.45	3739327.71	1.59E-07	3.67E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	3.67E-07	0.00E+00	0.00E+00	5.27E-07	2.01E-08	3.59E-08	0.00E+00	0.00E+00	5.60E-08
945	420234.82	3739298.37	1.12E-07	2.59E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.59E-07	0.00E+00	0.00E+00	3.71E-07	1.41E-08	2.53E-08	0.00E+00	0.00E+00	3.94E-08
946	420243.43	3739301.92	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.68E-07	1.40E-08	2.51E-08	0.00E+00	0.00E+00	3.92E-08
947	420252.04	3739305.48	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	1.39E-08	2.50E-08	0.00E+00	0.00E+00	3.89E-08
948	420260.65	3739309.03	1.10E-07	2.53E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.53E-07	0.00E+00	0.00E+00	3.63E-07	1.38E-08	2.48E-08	0.00E+00	0.00E+00	3.86E-08
949	420269.25	3739312.58	1.09E-07	2.51E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.51E-07	0.00E+00	0.00E+00	3.61E-07	1.37E-08	2.46E-08	0.00E+00	0.00E+00	3.84E-08
950	420277.86	3739316.13	1.09E-07	2.50E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.50E-07	0.00E+00	0.00E+00	3.58E-07	1.37E-08	2.45E-08	0.00E+00	0.00E+00	3.81E-08
951	420286.47	3739319.69	1.08E-07	2.48E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	2.48E-07	0.00E+00	0.00E+00	3.56E-07	1.36E-08	2.43E-08	0.00E+00	0.00E+00	3.79E-08
952	420295.08	3739323.24	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.54E-07	1.35E-08	2.41E-08	0.00E+00	0.00E+00	3.76E-08
953	420303.69	3739326.79	1.06E-07	2.45E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.45E-07	0.00E+00	0.00E+00	3.51E-07	1.34E-08	2.40E-08	0.00E+00	0.00E+00	3.74E-08
954	420312.29	3739330.35	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	1.33E-08	2.38E-08	0.00E+00	0.00E+00	3.71E-08
955	420320.9	3739333.9	1.05E-07	2.42E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.42E-07	0.00E+00	0.00E+00	3.47E-07	1.32E-08	2.37E-08	0.00E+00	0.00E+00	3.69E-08
956	420329.51	3739337.45	1.05E-07	2.41E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.41E-07	0.00E+00	0.00E+00	3.45E-07	1.31E-08	2.36E-08	0.00E+00	0.00E+00	3.67E-08
957	420338.12	3739341.01	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	1.31E-08	2.34E-08	0.00E+00	0.00E+00	3.65E-08
958	420346.73	3739344.56	1.03E-07	2.38E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.38E-07	0.00E+00	0.00E+00	3.41E-07	1.30E-08	2.33E-08	0.00E+00	0.00E+00	3.63E-08
959	420355.33	3739348.11	1.03E-07	2.36E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.36E-07	0.00E+00	0.00E+00	3.39E-07	1.29E-08	2.32E-08	0.00E+00	0.00E+00	3.61E-08
960	420363.94	3739351.67	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.37E-07	1.28E-08	2.30E-08	0.00E+00	0.00E+00	3.59E-08
961	420372.55	3739355.22	1.02E-07	2.34E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.34E-07	0.00E+00	0.00E+00	3.35E-07	1.28E-08	2.29E-08	0.00E+00	0.00E+00	3.56E-08
962	420381.16	3739358.77	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	1.27E-08	2.27E-08	0.00E+00	0.00E+00	3.54E-08
963	420389.76	3739362.32	1.00E-07	2.31E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	2.31E-07	0.00E+00	0.00E+00	3.31E-07	1.26E-08	2.26E-08	0.00E+00	0.00E+00	3.52E-08
964	420432.8	3739380.09	9.74E-08	2.24E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-08	2.24E-07	0.00E+00	0.00E+00	3.21E-07	1.22E-08	2.19E-08	0.00E+00	0.00E+00	3.42E-08
965	420441.41	3739383.64	9.67E-08	2.23E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-08	2.23E-07	0.00E+00	0.00E+00	3.19E-07	1.22E-08	2.18E-08	0.00E+00	0.00E+00	3.40E-08
966	420450.02	3739387.2	9.61E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	1.21E-08	2.17E-08	0.00E+00	0.00E+00	3.37E-08
967	420458.63	3739390.75	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	1.20E-08	2.15E-08	0.00E+00	0.00E+00	3.35E-08
968	420467.23	3739394.3	9.47E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	1.19E-08	2.14E-08	0.00E+00	0.00E+00	3.33E-08
969	420475.84	3739397.86	9.40E-08	2.16E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-08	2.16E-07	0.00E+00	0.00E+00	3.10E-07	1.18E-08	2.12E-08	0.00E+00	0.00E+00	3.30E-08
970	420484.45	3739401.41	9.33E-08	2.15E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	2.15E-07	0.00E+00	0.00E+00	3.08E-07	1.17E-08	2.10E-08	0.00E+00	0.00E+00	3.28E-08
971	420493.06	3739404.96	9.26E-08	2.13E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-08	2.13E-07	0.00E+00	0.00E+00	3.06E-07	1.17E-08	2.09E-08	0.00E+00	0.00E+00	3.25E-08
972	420501.67	3739408.51	9.19E-08	2.12E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-08	2.12E-07	0.00E+00	0.00E+00	3.04E-07	1.16E-08	2.07E-08	0.00E+00	0.00E+00	3.23E-08
973	420510.27	3739412.07	9.12E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.20E-08
974	420518.88	3739415.62	9.05E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.18E-08
975	420527.49	3739419.17	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	1.13E-08	2.02E-08	0.00E+00	0.00E+00	3.15E-08
976	420536.1	3739422.73	8.91E-08	2.05E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-08	2.05E-07	0.00E+00	0.00E+00	2.94E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.13E-08
977	420544.71	3739426.28	8.84E-08	2.03E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-08	2.03E-07	0.00E+00	0.00E+00	2.92E-07	1.11E-08	1.99E-08	0.00E+00	0.00E+00	3.10E-08
978	420553.31	3739429.83	8.77E-08	2.02E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-08	2.02E-07	0.00E+00	0.00E+00	2.89E-07	1.10E-08	1.98E-08	0.00E+00	0.00E+00	3.08E-08
979	420561.92	3739433.39	8.70E-08	2.00E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-08	2.00E-07	0.00E+00	0.00E+00	2.87E-07	1.09E-08	1.96E-08	0.00E+00	0.00E+00	3.05E-08
980	420570.53	3739436.94	8.62E-08	1.99E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-08	1.99E-07	0.00E+00	0.00E+00	2.85E-07	1.08E-08	1.94E-08	0.00E+00	0.00E+00	3.03E-08
981	420579.14	3739440.49	8.55E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	1.08E-08	1.93E-08	0.00E+00	0.00E+00	3.00E-08
982	420587.74	3739444.04	8.48E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	1.07E-08	1.91E-08	0.00E+00	0.00E+00	2.98E-08
983	420596.35	3739447.6	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	1.06E-08	1.89E-08	0.00E+00	0.00E+00	2.95E-08
984	420604.96	3739451.15	8.33E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
985	420720.46	3739505.93	7.60E-08	1.75E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-08	1.75E-07	0.00E+00	0.00E+00	2.51E-07	9.56E-09	1.71E-08	0.00E+00	0.00E+00	2.67E-08
986	420724.05	3739514.52	7.67E-08	1.77E-07	0.00E+00	0.

1037	420226.29	3739254.85	1.04E-07	2.40E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.40E-07	0.00E+00	0.00E+00	3.44E-07	1.31E-08	2.35E-08	0.00E+00	0.00E+00	3.66E-08
1038	420234.94	3739258.42	1.03E-07	2.38E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.38E-07	0.00E+00	0.00E+00	3.42E-07	1.30E-08	2.33E-08	0.00E+00	0.00E+00	3.63E-08
1039	420243.59	3739261.99	1.03E-07	2.37E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.37E-07	0.00E+00	0.00E+00	3.39E-07	1.29E-08	2.32E-08	0.00E+00	0.00E+00	3.61E-08
1040	420252.23	3739265.55	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.37E-07	1.28E-08	2.30E-08	0.00E+00	0.00E+00	3.58E-08
1041	420260.88	3739269.12	1.01E-07	2.33E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.33E-07	0.00E+00	0.00E+00	3.35E-07	1.28E-08	2.29E-08	0.00E+00	0.00E+00	3.56E-08
1042	420269.52	3739272.69	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	1.27E-08	2.27E-08	0.00E+00	0.00E+00	3.54E-08
1043	420278.17	3739276.26	1.00E-07	2.30E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	2.30E-07	0.00E+00	0.00E+00	3.31E-07	1.26E-08	2.26E-08	0.00E+00	0.00E+00	3.52E-08
1044	420286.82	3739279.83	9.95E-08	2.29E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-08	2.29E-07	0.00E+00	0.00E+00	3.29E-07	1.25E-08	2.24E-08	0.00E+00	0.00E+00	3.50E-08
1045	420295.46	3739283.4	9.90E-08	2.28E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-08	2.28E-07	0.00E+00	0.00E+00	3.27E-07	1.24E-08	2.23E-08	0.00E+00	0.00E+00	3.48E-08
1046	420304.11	3739286.97	9.84E-08	2.26E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	2.26E-07	0.00E+00	0.00E+00	3.25E-07	1.24E-08	2.22E-08	0.00E+00	0.00E+00	3.45E-08
1047	420312.76	3739290.54	9.77E-08	2.25E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-08	2.25E-07	0.00E+00	0.00E+00	3.23E-07	1.23E-08	2.20E-08	0.00E+00	0.00E+00	3.43E-08
1048	420321.4	3739294.11	9.71E-08	2.23E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	2.23E-07	0.00E+00	0.00E+00	3.21E-07	1.22E-08	2.19E-08	0.00E+00	0.00E+00	3.41E-08
1049	420330.05	3739297.68	9.64E-08	2.22E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-08	2.22E-07	0.00E+00	0.00E+00	3.18E-07	1.21E-08	2.17E-08	0.00E+00	0.00E+00	3.39E-08
1050	420338.7	3739301.24	9.59E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	1.21E-08	2.16E-08	0.00E+00	0.00E+00	3.37E-08
1051	420347.34	3739304.81	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	1.20E-08	2.15E-08	0.00E+00	0.00E+00	3.35E-08
1052	420355.99	3739308.38	9.49E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	1.19E-08	2.14E-08	0.00E+00	0.00E+00	3.33E-08
1053	420364.63	3739311.95	9.44E-08	2.17E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-08	2.17E-07	0.00E+00	0.00E+00	3.12E-07	1.19E-08	2.13E-08	0.00E+00	0.00E+00	3.32E-08
1054	420373.28	3739315.52	9.40E-08	2.16E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-08	2.16E-07	0.00E+00	0.00E+00	3.10E-07	1.18E-08	2.12E-08	0.00E+00	0.00E+00	3.30E-08
1055	420381.93	3739319.09	9.35E-08	2.15E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	2.15E-07	0.00E+00	0.00E+00	3.09E-07	1.18E-08	2.11E-08	0.00E+00	0.00E+00	3.28E-08
1056	420390.57	3739322.66	9.30E-08	2.14E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-08	2.14E-07	0.00E+00	0.00E+00	3.07E-07	1.17E-08	2.10E-08	0.00E+00	0.00E+00	3.27E-08
1057	420399.22	3739326.23	9.25E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	1.16E-08	2.09E-08	0.00E+00	0.00E+00	3.25E-08
1058	420407.87	3739329.8	9.20E-08	2.12E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-08	2.12E-07	0.00E+00	0.00E+00	3.04E-07	1.16E-08	2.07E-08	0.00E+00	0.00E+00	3.23E-08
1059	420416.51	3739333.37	9.15E-08	2.11E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-08	2.11E-07	0.00E+00	0.00E+00	3.02E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.21E-08
1060	420425.16	3739336.93	9.09E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	1.14E-08	2.05E-08	0.00E+00	0.00E+00	3.19E-08
1061	420433.81	3739340.5	9.04E-08	2.08E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	2.08E-07	0.00E+00	0.00E+00	2.98E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.17E-08
1062	420442.45	3739344.07	8.99E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	1.13E-08	2.03E-08	0.00E+00	0.00E+00	3.16E-08
1063	420451.1	3739347.64	8.93E-08	2.06E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	2.06E-07	0.00E+00	0.00E+00	2.95E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.14E-08
1064	420459.75	3739351.21	8.88E-08	2.04E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	2.04E-07	0.00E+00	0.00E+00	2.93E-07	1.12E-08	2.00E-08	0.00E+00	0.00E+00	3.12E-08
1065	420468.39	3739354.78	8.82E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	1.11E-08	1.99E-08	0.00E+00	0.00E+00	3.10E-08
1066	420477.04	3739358.35	8.76E-08	2.02E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-08	2.02E-07	0.00E+00	0.00E+00	2.89E-07	1.10E-08	1.97E-08	0.00E+00	0.00E+00	3.08E-08
1067	420528.92	3739379.76	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	1.06E-08	1.89E-08	0.00E+00	0.00E+00	2.95E-08
1068	420537.56	3739383.33	8.33E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
1069	420546.21	3739386.9	8.27E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
1070	420554.86	3739390.47	8.20E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	1.03E-08	1.85E-08	0.00E+00	0.00E+00	2.88E-08
1071	420563.5	3739394.04	8.14E-08	1.87E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-08	1.87E-07	0.00E+00	0.00E+00	2.69E-07	1.02E-08	1.83E-08	0.00E+00	0.00E+00	2.86E-08
1072	420572.15	3739397.61	8.08E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	1.02E-08	1.82E-08	0.00E+00	0.00E+00	2.84E-08
1073	420580.79	3739401.18	8.01E-08	1.84E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-08	1.84E-07	0.00E+00	0.00E+00	2.65E-07	1.01E-08	1.81E-08	0.00E+00	0.00E+00	2.81E-08
1074	420589.44	3739404.75	7.95E-08	1.83E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.83E-07	0.00E+00	0.00E+00	2.62E-07	1.00E-08	1.79E-08	0.00E+00	0.00E+00	2.79E-08
1075	420598.09	3739408.31	7.88E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	9.91E-09	1.78E-08	0.00E+00	0.00E+00	2.77E-08
1076	420606.73	3739411.88	7.82E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	9.83E-09	1.76E-08	0.00E+00	0.00E+00	2.75E-08
1077	420719.14	3739458.28	7.08E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	8.91E-09	1.60E-08	0.00E+00	0.00E+00	2.49E-08
1078	420727.78	3739461.85	7.03E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	8.84E-09	1.58E-08	0.00E+00	0.00E+00	2.47E-08
1079	420736.43	3739465.42	6.98E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	8.78E-09	1.57E-08	0.00E+00	0.00E+00	2.45E-08
1080	420748.69	3739477.62	6.98E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	8.78E-09	1.57E-08	0.00E+00	0.00E+00	2.45E-08
1081	420752.3	3739486.24	7.04E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	8.85E-09	1.59E-08	0.00E+00	0.00E+00	2.47E-08
1082	420755.91	3739494.87	7.10E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	8.93E-09	1.60E-08	0.00E+00	0.00E+00	2.49E-08
1083	420759.52	3739503.5	7.16E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	9.00E-09	1.61E-08	0.00E+00	0.00E+00	2.51E-08
1084	420763.13	3739512.13	7.22E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	9.09E-09	1.63E-08	0.00E+00	0.00E+00	2.54E-08
1085	420766.75	3739520.76	7.29E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	9.17E-09	1.64E-08	0.00E+00	0.00E+00	2.56E-08
1086	420770.36	3739529.39	7.36E-08	1.69E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.69E-07	0.00E+00	0.00E+00	2.43E-07	9.26E-09	1.66E-08	0.00E+00	0.00E+00	2.58E-08
1087	420773.97	3739538.02	7.43E-08	1.71E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-08	1.71E-07	0.00E+00	0.00E+00	2.45E-07	9.34E-09	1.67E-08	0.00E+00	0.00E+00	2.61E-08
1088	420777.58	3739546.65	7.50E-08	1.73E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-08	1.73E-07	0.00E+00	0.00E+00	2.48E-07	9.43E-09	1.69E-08	0.00E+00	0.00E+00	2.63E-08
1089	420781.19	3739555.27	7.57E-08	1.74E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-08	1.74E-07	0.00E+00	0.00E+00	2.50E-07	9.52E-09	1.71E-08	0.00E+00	0.00E+00	2.66E-08
1090	420784.8	3739563.9	7.64E-08	1.76E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.76E-07	0.00E+00	0.00E+00	2.52E-07	9.61E-09	1.72E-08	0.00E+00	0.00E+00	2.68E-08
1091	420788.41	3739572.53	7.71E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	9.70E-09	1.74E-08	0.00E+00	0.00E+00	2.71E-08
1092	420792.03	3739581.16	7.65E-08	1.76E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-08	1.76E-07	0.00E+00	0.00E+00	2.52E-07	9.62E-09	1.72E-08	0.00E+00	0.00E+00	2.69E-08
1093	420795.64	3739589.79	7.71E-08	1.77E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.77E-07	0.00E+00	0.00E+00	2.55E-07	9.70E-09	1.74E-08	0.00E+00	0.00E+00	2.71E-08
1094	420799.25	3739598.42	7.80E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	9.81E-09	1.76E-08	0.00E+00	0.00E+00	2.74E-08
1095	420802.86	3739607.05	7.90E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	9.93E-09	1.78E-08	0.00E+00	0.00E+00	2.77E-08
1096	420806.47	3739615.68	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.01E-08	1.80E-08	0.00E+00	0.00E+00	2.81E-08
1097	420810.08	3739624.3	8.08E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	1.02E-08	1.82E-08	0.00E+00	0.00E+00	2.84E-08
1098	420813.7	3739632.93	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	1.03E-08	1.84E-08	0.00E+00	0.00E+00	2.86E-08
1099	420817.31	3739641.56	8.23E-08	1.89E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-08	1.89E-07	0.00E+00	0.00E+00	2.72E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.89E-08
1100	420820.92	3739650.19	8.31E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	1.05E-08	1.87E-08	0.00E+00	0.00E+00	2.92E-08
1101	420824.53	3739658.82	8.42E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.96E-08
1102	420828.14	3739667.45	8.54E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	1.07E-08	1.93E-08	0.00E+00	0.00E+00	3.00E-08
1103	420831.75	3739676.08	8.82E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	1.11E-08	1.99E-08	0.00E+00	0.00E+00	3.10E-08
1104	420835.36	3739684.7	8.93E-08	2.06E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	2.06E-07	0.00E+00	0.00E+00	2.95E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.14E-08
1105	420838.98	3739693.33	9.05E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.18E-08
1106	420842.59	3739701.96	9.17E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	1.15E-08	2.07E-08	0.00E+00	0.00E+00	3.22E-08
1107	420846.2	3739710.59	9.29E-08	2.14E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	2.14E-07	0.00E+00	0.00E+00	3.07E-07	1.17E-08	2.09E-08	0.00E+00	0.00E+00	3.26E-08
1108	420849.81	3739719.22	9.41E-08	2.17E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	2.17E-07	0.00E+00	0.00E+00	3.11E-07	1.18E-08	2.12E-08	0.00E+00	0.00E+00	3.31E-08
1109	420853.42	3739727.85	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	1.20E-08	2.15E-08	0.00E+00	0.00E+00	3.35E-08
1110	420857.03	3739736.48	9.68E-08	2.23E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-08	2.23E-07	0.00E+00	0.00E+00	3.19E-07	1.22E-08	2.18E-08	0.00E+00	0.00E+00	3.40E-08
1111	420860.64	3739745.11	9.81E-08	2.26E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	2.26E-07	0.00E+00	0.00E+00	3.24E-07	1.23E-08	2.21E-08	0.00E+00	0.00E+00	3.44E-08
1112	420864.26	3739753.73	9.95E-08	2.29E-07	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-08	2.29E-07	0.00E+00	0.00E+00	3.28E-07	1.25E-08	2.24E-08	0.00E+00	0.00E+00	3.49E-08
1113	420867.87	3739762.36	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	1.27E-08	2.27E-08	0.00E+00	0.00E+00	3.54E-08
1114	420871.48	3739770.99	1.02E-07	2.36E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.36E-07	0.00E+00	0.00E+00	3.38E-07	1.29E-08	2.31E-08	0.00E+00	0.00E+00	3.59E-08
1115	420875.09	3739779.62	1.01E-07	2.33E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.33E-07	0.00E+00	0.00E+00	3.34E-07	1.

1167	420414.2	3739292.41	8.53E-08	1.96E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-08	1.96E-07	0.00E+00	0.00E+00	2.82E-07	1.07E-08	1.92E-08	0.00E+00	0.00E+00	2.99E-08
1168	420422.75	3739295.94	8.48E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	1.07E-08	1.91E-08	0.00E+00	0.00E+00	2.98E-08
1169	420431.3	3739299.47	8.44E-08	1.94E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-08	1.94E-07	0.00E+00	0.00E+00	2.79E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.96E-08
1170	420439.85	3739303	8.39E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	1.06E-08	1.89E-08	0.00E+00	0.00E+00	2.95E-08
1171	420448.4	3739306.53	8.34E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
1172	420456.95	3739310.06	8.30E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	1.04E-08	1.87E-08	0.00E+00	0.00E+00	2.91E-08
1173	420465.5	3739313.58	8.25E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
1174	420474.05	3739317.11	8.20E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	1.03E-08	1.85E-08	0.00E+00	0.00E+00	2.88E-08
1175	420482.6	3739320.64	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	1.03E-08	1.84E-08	0.00E+00	0.00E+00	2.86E-08
1176	420491.15	3739324.17	8.10E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	1.02E-08	1.83E-08	0.00E+00	0.00E+00	2.85E-08
1177	420499.7	3739327.7	8.05E-08	1.85E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-08	1.85E-07	0.00E+00	0.00E+00	2.66E-07	1.01E-08	1.81E-08	0.00E+00	0.00E+00	2.83E-08
1178	420508.25	3739331.23	8.00E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.01E-08	1.80E-08	0.00E+00	0.00E+00	2.81E-08
1179	420516.79	3739334.76	7.95E-08	1.83E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.83E-07	0.00E+00	0.00E+00	2.62E-07	9.99E-09	1.79E-08	0.00E+00	0.00E+00	2.79E-08
1180	420525.34	3739338.29	7.89E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	9.93E-09	1.78E-08	0.00E+00	0.00E+00	2.77E-08
1181	420533.89	3739341.82	7.84E-08	1.80E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-08	1.80E-07	0.00E+00	0.00E+00	2.59E-07	9.86E-09	1.77E-08	0.00E+00	0.00E+00	2.75E-08
1182	420542.44	3739345.35	7.78E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	9.79E-09	1.75E-08	0.00E+00	0.00E+00	2.73E-08
1183	420550.99	3739348.88	7.73E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	9.72E-09	1.74E-08	0.00E+00	0.00E+00	2.71E-08
1184	420559.54	3739352.4	7.67E-08	1.77E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.77E-07	0.00E+00	0.00E+00	2.53E-07	9.65E-09	1.73E-08	0.00E+00	0.00E+00	2.69E-08
1185	420568.09	3739355.93	7.62E-08	1.75E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.75E-07	0.00E+00	0.00E+00	2.52E-07	9.58E-09	1.72E-08	0.00E+00	0.00E+00	2.68E-08
1186	420576.64	3739359.46	7.56E-08	1.74E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-08	1.74E-07	0.00E+00	0.00E+00	2.50E-07	9.51E-09	1.70E-08	0.00E+00	0.00E+00	2.66E-08
1187	420721.99	3739419.46	6.67E-08	1.53E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-08	1.53E-07	0.00E+00	0.00E+00	2.20E-07	8.38E-09	1.50E-08	0.00E+00	0.00E+00	2.34E-08
1188	420730.54	3739422.99	6.62E-08	1.52E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.52E-07	0.00E+00	0.00E+00	2.19E-07	8.32E-09	1.49E-08	0.00E+00	0.00E+00	2.32E-08
1189	420739.09	3739426.52	6.57E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	8.27E-09	1.48E-08	0.00E+00	0.00E+00	2.31E-08
1190	420747.64	3739430.05	6.53E-08	1.50E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-08	1.50E-07	0.00E+00	0.00E+00	2.16E-07	8.21E-09	1.47E-08	0.00E+00	0.00E+00	2.29E-08
1191	420756.19	3739433.57	6.48E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	8.15E-09	1.46E-08	0.00E+00	0.00E+00	2.28E-08
1192	420764.74	3739437.1	6.44E-08	1.48E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.48E-07	0.00E+00	0.00E+00	2.13E-07	8.10E-09	1.45E-08	0.00E+00	0.00E+00	2.26E-08
1193	420776.86	3739449.17	6.44E-08	1.48E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.48E-07	0.00E+00	0.00E+00	2.13E-07	8.10E-09	1.45E-08	0.00E+00	0.00E+00	2.26E-08
1194	420780.43	3739457.7	6.49E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	8.16E-09	1.46E-08	0.00E+00	0.00E+00	2.28E-08
1195	420784	3739466.23	6.42E-08	1.48E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.48E-07	0.00E+00	0.00E+00	2.12E-07	8.08E-09	1.45E-08	0.00E+00	0.00E+00	2.26E-08
1196	420787.58	3739474.76	6.47E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	8.13E-09	1.46E-08	0.00E+00	0.00E+00	2.27E-08
1197	420791.15	3739483.3	6.52E-08	1.50E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.50E-07	0.00E+00	0.00E+00	2.15E-07	8.20E-09	1.47E-08	0.00E+00	0.00E+00	2.29E-08
1198	420794.72	3739491.83	6.57E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	8.27E-09	1.48E-08	0.00E+00	0.00E+00	2.31E-08
1199	420798.29	3739500.36	6.63E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	8.34E-09	1.50E-08	0.00E+00	0.00E+00	2.33E-08
1200	420801.86	3739508.89	6.69E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	8.41E-09	1.51E-08	0.00E+00	0.00E+00	2.35E-08
1201	420805.43	3739517.42	6.75E-08	1.55E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.55E-07	0.00E+00	0.00E+00	2.23E-07	8.49E-09	1.52E-08	0.00E+00	0.00E+00	2.37E-08
1202	420809	3739525.96	6.80E-08	1.57E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-08	1.57E-07	0.00E+00	0.00E+00	2.25E-07	8.56E-09	1.53E-08	0.00E+00	0.00E+00	2.39E-08
1203	420812.57	3739534.49	6.86E-08	1.58E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-08	1.58E-07	0.00E+00	0.00E+00	2.27E-07	8.63E-09	1.55E-08	0.00E+00	0.00E+00	2.41E-08
1204	420816.15	3739543.02	6.94E-08	1.60E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-08	1.60E-07	0.00E+00	0.00E+00	2.29E-07	8.72E-09	1.56E-08	0.00E+00	0.00E+00	2.44E-08
1205	420819.72	3739551.55	7.01E-08	1.61E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-08	1.61E-07	0.00E+00	0.00E+00	2.32E-07	8.82E-09	1.58E-08	0.00E+00	0.00E+00	2.46E-08
1206	420823.29	3739560.09	7.21E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	9.07E-09	1.62E-08	0.00E+00	0.00E+00	2.53E-08
1207	420826.86	3739568.62	7.16E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	9.01E-09	1.61E-08	0.00E+00	0.00E+00	2.51E-08
1208	420830.43	3739577.15	7.23E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	9.09E-09	1.63E-08	0.00E+00	0.00E+00	2.54E-08
1209	420834	3739585.68	7.30E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	9.19E-09	1.65E-08	0.00E+00	0.00E+00	2.56E-08
1210	420837.57	3739594.22	7.38E-08	1.70E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.70E-07	0.00E+00	0.00E+00	2.44E-07	9.28E-09	1.66E-08	0.00E+00	0.00E+00	2.59E-08
1211	420841.14	3739602.75	7.45E-08	1.71E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-08	1.71E-07	0.00E+00	0.00E+00	2.46E-07	9.37E-09	1.68E-08	0.00E+00	0.00E+00	2.62E-08
1212	420844.71	3739611.28	7.52E-08	1.73E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-08	1.73E-07	0.00E+00	0.00E+00	2.48E-07	9.46E-09	1.69E-08	0.00E+00	0.00E+00	2.64E-08
1213	420848.29	3739619.81	7.59E-08	1.75E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.75E-07	0.00E+00	0.00E+00	2.51E-07	9.55E-09	1.71E-08	0.00E+00	0.00E+00	2.67E-08
1214	420851.86	3739628.35	7.67E-08	1.76E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.76E-07	0.00E+00	0.00E+00	2.53E-07	9.64E-09	1.73E-08	0.00E+00	0.00E+00	2.69E-08
1215	420855.43	3739636.88	7.74E-08	1.78E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.78E-07	0.00E+00	0.00E+00	2.56E-07	9.73E-09	1.74E-08	0.00E+00	0.00E+00	2.72E-08
1216	420859	3739645.41	7.81E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	9.82E-09	1.76E-08	0.00E+00	0.00E+00	2.74E-08
1217	420862.57	3739653.94	7.89E-08	1.82E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-08	1.82E-07	0.00E+00	0.00E+00	2.60E-07	9.92E-09	1.78E-08	0.00E+00	0.00E+00	2.77E-08
1218	420866.14	3739662.47	7.98E-08	1.84E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-08	1.84E-07	0.00E+00	0.00E+00	2.63E-07	1.00E-08	1.80E-08	0.00E+00	0.00E+00	2.80E-08
1219	420869.71	3739671.01	8.06E-08	1.86E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.86E-07	0.00E+00	0.00E+00	2.66E-07	1.01E-08	1.82E-08	0.00E+00	0.00E+00	2.83E-08
1220	420873.28	3739679.54	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	1.02E-08	1.84E-08	0.00E+00	0.00E+00	2.86E-08
1221	420876.86	3739688.07	8.25E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
1222	420880.43	3739696.6	8.36E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
1223	420884	3739705.14	8.46E-08	1.95E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-08	1.95E-07	0.00E+00	0.00E+00	2.79E-07	1.06E-08	1.91E-08	0.00E+00	0.00E+00	2.97E-08
1224	420887.57	3739713.67	8.56E-08	1.97E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-08	1.97E-07	0.00E+00	0.00E+00	2.83E-07	1.08E-08	1.93E-08	0.00E+00	0.00E+00	3.01E-08
1225	420891.14	3739722.2	8.65E-08	1.99E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.99E-07	0.00E+00	0.00E+00	2.86E-07	1.09E-08	1.95E-08	0.00E+00	0.00E+00	3.04E-08
1226	420894.71	3739730.73	8.74E-08	2.01E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-08	2.01E-07	0.00E+00	0.00E+00	2.89E-07	1.10E-08	1.97E-08	0.00E+00	0.00E+00	3.07E-08
1227	420898.28	3739739.27	8.83E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	1.11E-08	1.99E-08	0.00E+00	0.00E+00	3.10E-08
1228	420901.85	3739747.8	8.92E-08	2.05E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-08	2.05E-07	0.00E+00	0.00E+00	2.95E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.13E-08
1229	420905.43	3739756.33	9.03E-08	2.08E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-08	2.08E-07	0.00E+00	0.00E+00	2.98E-07	1.14E-08	2.03E-08	0.00E+00	0.00E+00	3.17E-08
1230	420909	3739764.86	9.13E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.20E-08
1231	420912.57	3739773.4	9.24E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	1.16E-08	2.08E-08	0.00E+00	0.00E+00	3.24E-08
1232	420916.14	3739781.93	9.36E-08	2.16E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-08	2.16E-07	0.00E+00	0.00E+00	3.09E-07	1.18E-08	2.11E-08	0.00E+00	0.00E+00	3.29E-08
1233	420919.71	3739790.46	9.50E-08	2.19E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	2.19E-07	0.00E+00	0.00E+00	3.14E-07	1.19E-08	2.14E-08	0.00E+00	0.00E+00	3.33E-08
1234	420923.28	3739798.99	9.63E-08	2.22E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-08	2.22E-07	0.00E+00	0.00E+00	3.18E-07	1.21E-08	2.17E-08	0.00E+00	0.00E+00	3.38E-08
1235	420926.85	3739807.53	9.77E-08	2.25E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-08	2.25E-07	0.00E+00	0.00E+00	3.22E-07	1.23E-08	2.20E-08	0.00E+00	0.00E+00	3.43E-08
1236	420930.42	3739816.06	9.91E-08	2.28E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-08	2.28E-07	0.00E+00	0.00E+00	3.27E-07	1.25E-08	2.23E-08	0.00E+00	0.00E+00	3.48E-08
1237	420933.99	3739824.59	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.33E-07	1.27E-08	2.27E-08	0.00E+00	0.00E+00	3.54E-08
1238	420937.57	3739833.12	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.38E-07	1.29E-08	2.31E-08	0.00E+00	0.00E+00	3.59E-08
1239	420941.14	3739841.65	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	1.31E-08	2.34E-08	0.00E+00	0.00E+00	3.65E-08
1240	420944.71	3739850.19	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	1.33E-08	2.38E-08	0.00E+00	0.00E+00	3.71E-08
1241	420948.28	3739858.72	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.54E-07	1.35E-08	2.42E-08	0.00E+00	0.00E+00	3.77E-08
1242	420951.85	3739867.25	1.09E-07	2.51E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.51E-07	0.00E+00	0.00E+00	3.60E-07	1.37E-08	2.46E-08	0.00E+00	0.00E+00	3.83E-08
1243	420955.42	3739875.78	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	1.39E-08	2.50E-08	0.00E+00	0.00E+00	3.89E-08
1244	420958.99	3739884.32	1.13E-07	2.59E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.59E-07	0.00E+00	0.00E+00	3.72E-07	1.42E-08	2.54E-08	0.00E+00	0.00E+00	3.96E-08
1245	420962.56	3739892.85	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.78E-07	1.44E-08	2.58E-08	0.00E+00	0

1297	420432.26	3739259.87	7.87E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	9.89E-09	1.77E-08	0.00E+00	0.00E+00	2.76E-08
1298	420440.85	3739263.41	7.83E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	9.84E-09	1.76E-08	0.00E+00	0.00E+00	2.75E-08
1299	420449.44	3739266.96	7.79E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	9.80E-09	1.76E-08	0.00E+00	0.00E+00	2.74E-08
1300	420458.02	3739270.5	7.75E-08	1.78E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-08	1.78E-07	0.00E+00	0.00E+00	2.56E-07	9.75E-09	1.75E-08	0.00E+00	0.00E+00	2.72E-08
1301	420466.61	3739274.04	7.71E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	9.70E-09	1.74E-08	0.00E+00	0.00E+00	2.71E-08
1302	420475.2	3739277.59	7.68E-08	1.77E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-08	1.77E-07	0.00E+00	0.00E+00	2.53E-07	9.65E-09	1.73E-08	0.00E+00	0.00E+00	2.70E-08
1303	420483.79	3739281.13	7.63E-08	1.76E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08	1.76E-07	0.00E+00	0.00E+00	2.52E-07	9.60E-09	1.72E-08	0.00E+00	0.00E+00	2.68E-08
1304	420492.37	3739284.68	7.59E-08	1.75E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.75E-07	0.00E+00	0.00E+00	2.51E-07	9.55E-09	1.71E-08	0.00E+00	0.00E+00	2.67E-08
1305	420500.96	3739288.22	7.55E-08	1.74E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-08	1.74E-07	0.00E+00	0.00E+00	2.49E-07	9.50E-09	1.70E-08	0.00E+00	0.00E+00	2.65E-08
1306	420509.55	3739291.77	7.51E-08	1.73E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-08	1.73E-07	0.00E+00	0.00E+00	2.48E-07	9.44E-09	1.69E-08	0.00E+00	0.00E+00	2.64E-08
1307	420518.13	3739295.31	7.46E-08	1.72E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-08	1.72E-07	0.00E+00	0.00E+00	2.46E-07	9.38E-09	1.68E-08	0.00E+00	0.00E+00	2.62E-08
1308	420526.72	3739298.86	7.41E-08	1.71E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-08	1.71E-07	0.00E+00	0.00E+00	2.45E-07	9.32E-09	1.67E-08	0.00E+00	0.00E+00	2.60E-08
1309	420535.31	3739302.4	7.37E-08	1.70E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-08	1.70E-07	0.00E+00	0.00E+00	2.43E-07	9.26E-09	1.66E-08	0.00E+00	0.00E+00	2.59E-08
1310	420543.89	3739305.94	7.32E-08	1.68E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.68E-07	0.00E+00	0.00E+00	2.42E-07	9.20E-09	1.65E-08	0.00E+00	0.00E+00	2.57E-08
1311	420552.48	3739309.49	7.27E-08	1.67E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.67E-07	0.00E+00	0.00E+00	2.40E-07	9.15E-09	1.64E-08	0.00E+00	0.00E+00	2.55E-08
1312	420561.07	3739313.03	7.23E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	9.09E-09	1.63E-08	0.00E+00	0.00E+00	2.54E-08
1313	420569.66	3739316.58	7.18E-08	1.65E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-08	1.65E-07	0.00E+00	0.00E+00	2.37E-07	9.03E-09	1.62E-08	0.00E+00	0.00E+00	2.52E-08
1314	420578.24	3739320.12	7.13E-08	1.64E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-08	1.64E-07	0.00E+00	0.00E+00	2.35E-07	8.96E-09	1.61E-08	0.00E+00	0.00E+00	2.50E-08
1315	420586.83	3739323.67	7.07E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	8.90E-09	1.59E-08	0.00E+00	0.00E+00	2.48E-08
1316	420595.42	3739327.21	7.02E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	8.83E-09	1.58E-08	0.00E+00	0.00E+00	2.47E-08
1317	420604	3739330.76	6.97E-08	1.60E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.60E-07	0.00E+00	0.00E+00	2.30E-07	8.77E-09	1.57E-08	0.00E+00	0.00E+00	2.45E-08
1318	420638.35	3739344.93	6.77E-08	1.56E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.56E-07	0.00E+00	0.00E+00	2.23E-07	8.51E-09	1.53E-08	0.00E+00	0.00E+00	2.38E-08
1319	420646.94	3739348.48	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	8.45E-09	1.51E-08	0.00E+00	0.00E+00	2.36E-08
1320	420655.53	3739352.02	6.67E-08	1.53E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-08	1.53E-07	0.00E+00	0.00E+00	2.20E-07	8.38E-09	1.50E-08	0.00E+00	0.00E+00	2.34E-08
1321	420664.11	3739355.57	6.62E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	8.32E-09	1.49E-08	0.00E+00	0.00E+00	2.32E-08
1322	420724.22	3739380.38	6.29E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	7.91E-09	1.42E-08	0.00E+00	0.00E+00	2.21E-08
1323	420732.81	3739383.92	6.25E-08	1.44E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	1.44E-07	0.00E+00	0.00E+00	2.06E-07	7.86E-09	1.41E-08	0.00E+00	0.00E+00	2.19E-08
1324	420741.4	3739387.47	6.21E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	7.81E-09	1.40E-08	0.00E+00	0.00E+00	2.18E-08
1325	420749.98	3739391.01	6.17E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	7.76E-09	1.39E-08	0.00E+00	0.00E+00	2.17E-08
1326	420758.57	3739394.56	6.12E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	7.70E-09	1.38E-08	0.00E+00	0.00E+00	2.15E-08
1327	420767.16	3739398.1	6.08E-08	1.40E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-08	1.40E-07	0.00E+00	0.00E+00	2.01E-07	7.65E-09	1.37E-08	0.00E+00	0.00E+00	2.14E-08
1328	420775.74	3739401.65	6.04E-08	1.39E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-08	1.39E-07	0.00E+00	0.00E+00	2.00E-07	7.60E-09	1.36E-08	0.00E+00	0.00E+00	2.12E-08
1329	420784.33	3739405.19	6.00E-08	1.38E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.38E-07	0.00E+00	0.00E+00	1.98E-07	7.55E-09	1.35E-08	0.00E+00	0.00E+00	2.11E-08
1330	420792.92	3739408.73	5.97E-08	1.37E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.37E-07	0.00E+00	0.00E+00	1.97E-07	7.50E-09	1.34E-08	0.00E+00	0.00E+00	2.09E-08
1331	420805.09	3739420.85	5.86E-08	1.35E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	1.35E-07	0.00E+00	0.00E+00	1.93E-07	7.37E-09	1.32E-08	0.00E+00	0.00E+00	2.06E-08
1332	420808.68	3739429.42	5.88E-08	1.35E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	1.35E-07	0.00E+00	0.00E+00	1.94E-07	7.40E-09	1.33E-08	0.00E+00	0.00E+00	2.07E-08
1333	420812.27	3739437.99	5.91E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	7.43E-09	1.33E-08	0.00E+00	0.00E+00	2.07E-08
1334	420815.85	3739446.56	5.94E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	7.47E-09	1.34E-08	0.00E+00	0.00E+00	2.09E-08
1335	420819.44	3739455.13	5.98E-08	1.38E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-08	1.38E-07	0.00E+00	0.00E+00	1.97E-07	7.52E-09	1.35E-08	0.00E+00	0.00E+00	2.10E-08
1336	420823.03	3739463.7	6.02E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	7.57E-09	1.36E-08	0.00E+00	0.00E+00	2.11E-08
1337	420826.61	3739472.27	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	7.63E-09	1.37E-08	0.00E+00	0.00E+00	2.13E-08
1338	420830.2	3739480.84	6.12E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	7.70E-09	1.38E-08	0.00E+00	0.00E+00	2.15E-08
1339	420833.79	3739489.4	6.18E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	7.77E-09	1.39E-08	0.00E+00	0.00E+00	2.17E-08
1340	420837.37	3739497.97	6.23E-08	1.43E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-08	1.43E-07	0.00E+00	0.00E+00	2.06E-07	7.83E-09	1.40E-08	0.00E+00	0.00E+00	2.19E-08
1341	420840.96	3739506.54	6.28E-08	1.44E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-08	1.44E-07	0.00E+00	0.00E+00	2.07E-07	7.89E-09	1.41E-08	0.00E+00	0.00E+00	2.20E-08
1342	420844.55	3739515.11	6.32E-08	1.46E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.46E-07	0.00E+00	0.00E+00	2.09E-07	7.95E-09	1.43E-08	0.00E+00	0.00E+00	2.22E-08
1343	420848.13	3739523.68	6.37E-08	1.47E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-08	1.47E-07	0.00E+00	0.00E+00	2.10E-07	8.01E-09	1.44E-08	0.00E+00	0.00E+00	2.24E-08
1344	420851.72	3739532.25	6.42E-08	1.48E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.48E-07	0.00E+00	0.00E+00	2.12E-07	8.08E-09	1.45E-08	0.00E+00	0.00E+00	2.26E-08
1345	420855.31	3739540.82	6.51E-08	1.50E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.50E-07	0.00E+00	0.00E+00	2.15E-07	8.18E-09	1.47E-08	0.00E+00	0.00E+00	2.28E-08
1346	420858.89	3739549.39	6.59E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	8.29E-09	1.49E-08	0.00E+00	0.00E+00	2.31E-08
1347	420862.48	3739557.96	6.68E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	8.40E-09	1.51E-08	0.00E+00	0.00E+00	2.35E-08
1348	420866.07	3739566.53	6.76E-08	1.56E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	1.56E-07	0.00E+00	0.00E+00	2.23E-07	8.50E-09	1.52E-08	0.00E+00	0.00E+00	2.37E-08
1349	420869.65	3739575.1	6.83E-08	1.57E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-08	1.57E-07	0.00E+00	0.00E+00	2.26E-07	8.59E-09	1.54E-08	0.00E+00	0.00E+00	2.40E-08
1350	420873.24	3739583.67	6.91E-08	1.59E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-08	1.59E-07	0.00E+00	0.00E+00	2.28E-07	8.69E-09	1.56E-08	0.00E+00	0.00E+00	2.43E-08
1351	420876.83	3739592.24	6.97E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	8.77E-09	1.57E-08	0.00E+00	0.00E+00	2.45E-08
1352	420880.41	3739600.81	7.03E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	8.85E-09	1.59E-08	0.00E+00	0.00E+00	2.47E-08
1353	420884	3739609.38	7.10E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	8.93E-09	1.60E-08	0.00E+00	0.00E+00	2.49E-08
1354	420887.59	3739617.95	7.16E-08	1.65E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-08	1.65E-07	0.00E+00	0.00E+00	2.37E-07	9.01E-09	1.61E-08	0.00E+00	0.00E+00	2.52E-08
1355	420891.17	3739626.52	7.22E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	9.07E-09	1.63E-08	0.00E+00	0.00E+00	2.53E-08
1356	420894.76	3739635.09	7.26E-08	1.67E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-08	1.67E-07	0.00E+00	0.00E+00	2.40E-07	9.13E-09	1.64E-08	0.00E+00	0.00E+00	2.55E-08
1357	420898.35	3739643.66	7.30E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	9.18E-09	1.65E-08	0.00E+00	0.00E+00	2.56E-08
1358	420901.93	3739652.22	7.36E-08	1.69E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.69E-07	0.00E+00	0.00E+00	2.43E-07	9.26E-09	1.66E-08	0.00E+00	0.00E+00	2.58E-08
1359	420905.52	3739660.79	7.45E-08	1.71E-07	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-08	1.71E-07	0.00E+00	0.00E+00	2.46E-07	9.37E-09	1.68E-08	0.00E+00	0.00E+00	2.61E-08
1360	420909.11	3739669.36	7.53E-08	1.73E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.73E-07	0.00E+00	0.00E+00	2.49E-07	9.47E-09	1.70E-08	0.00E+00	0.00E+00	2.65E-08
1361	420912.69	3739677.93	7.62E-08	1.75E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.75E-07	0.00E+00	0.00E+00	2.52E-07	9.58E-09	1.72E-08	0.00E+00	0.00E+00	2.68E-08
1362	420916.28	3739686.5	7.71E-08	1.77E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.77E-07	0.00E+00	0.00E+00	2.54E-07	9.69E-09	1.74E-08	0.00E+00	0.00E+00	2.71E-08
1363	420919.87	3739695.07	7.80E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	9.81E-09	1.76E-08	0.00E+00	0.00E+00	2.74E-08
1364	420923.45	3739703.64	7.90E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	9.93E-09	1.78E-08	0.00E+00	0.00E+00	2.77E-08
1365	420927.04	3739712.21	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.01E-08	1.80E-08	0.00E+00	0.00E+00	2.81E-08
1366	420930.63	3739720.78	8.08E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	1.02E-08	1.82E-08	0.00E+00	0.00E+00	2.84E-08
1367	420934.21	3739729.35	8.17E-08	1.88E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-08	1.88E-07	0.00E+00	0.00E+00	2.70E-07	1.03E-08	1.84E-08	0.00E+00	0.00E+00	2.87E-08
1368	420937.8	3739737.92	8.26E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
1369	420941.39	3739746.49	8.35E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
1370	420944.97	3739755.06	8.45E-08	1.95E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-08	1.95E-07	0.00E+00	0.00E+00	2.79E-07	1.06E-08	1.91E-08	0.00E+00	0.00E+00	2.97E-08
1371	420948.56	3739763.63	8.56E-08	1.97E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-08	1.97E-07	0.00E+00	0.00E+00	2.83E-07	1.08E-08	1.93E-08	0.00E+00	0.00E+00	3.01E-08
1372	420952.15	3739772.2	8.68E-08	2.00E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-08	2.00E-07	0.00E+00	0.00E+00	2.87E-07	1.09E-08	1.96E-08	0.00E+00	0.00E+00	3.05E-08
1373	420955.73	3739780.77	8.81E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	1.11E-08	1.99E-08	0.00E+00	0.00E+00	3.09E-08
1374	420959.32	3739789.34	8.93E-08	2.06E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-08	2.06E-07	0.00E+00	0.00E+00	2.95E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.14E-08
1375	420962.91	3739797.91	9.04E-08	2.08E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	2.08E-07	0.00E+00	0.00E+00	2.98E-07	1.14E-08

1427	420467.63	3739234.47	7.23E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	9.09E-09	1.63E-08	0.00E+00	0.00E+00	2.54E-08
1428	420476.25	3739238.03	7.20E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	9.05E-09	1.62E-08	0.00E+00	0.00E+00	2.53E-08
1429	420484.88	3739241.58	7.16E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	9.01E-09	1.61E-08	0.00E+00	0.00E+00	2.51E-08
1430	420493.5	3739245.14	7.13E-08	1.64E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-08	1.64E-07	0.00E+00	0.00E+00	2.35E-07	8.96E-09	1.61E-08	0.00E+00	0.00E+00	2.50E-08
1431	420502.12	3739248.7	7.09E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	8.92E-09	1.60E-08	0.00E+00	0.00E+00	2.49E-08
1432	420510.74	3739252.26	7.05E-08	1.62E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-08	1.62E-07	0.00E+00	0.00E+00	2.33E-07	8.87E-09	1.59E-08	0.00E+00	0.00E+00	2.48E-08
1433	420519.36	3739255.82	7.02E-08	1.61E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.61E-07	0.00E+00	0.00E+00	2.32E-07	8.82E-09	1.58E-08	0.00E+00	0.00E+00	2.46E-08
1434	420527.98	3739259.38	6.97E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	8.77E-09	1.57E-08	0.00E+00	0.00E+00	2.45E-08
1435	420536.6	3739262.93	6.93E-08	1.60E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-08	1.60E-07	0.00E+00	0.00E+00	2.29E-07	8.72E-09	1.56E-08	0.00E+00	0.00E+00	2.44E-08
1436	420545.22	3739266.49	6.89E-08	1.59E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-08	1.59E-07	0.00E+00	0.00E+00	2.28E-07	8.67E-09	1.55E-08	0.00E+00	0.00E+00	2.42E-08
1437	420553.84	3739270.05	6.85E-08	1.58E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.58E-07	0.00E+00	0.00E+00	2.26E-07	8.62E-09	1.54E-08	0.00E+00	0.00E+00	2.41E-08
1438	420562.47	3739273.61	6.81E-08	1.57E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-08	1.57E-07	0.00E+00	0.00E+00	2.25E-07	8.56E-09	1.53E-08	0.00E+00	0.00E+00	2.39E-08
1439	420571.09	3739277.17	6.77E-08	1.56E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.56E-07	0.00E+00	0.00E+00	2.23E-07	8.51E-09	1.53E-08	0.00E+00	0.00E+00	2.38E-08
1440	420579.71	3739280.73	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	8.46E-09	1.52E-08	0.00E+00	0.00E+00	2.36E-08
1441	420588.33	3739284.29	6.68E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	8.40E-09	1.51E-08	0.00E+00	0.00E+00	2.35E-08
1442	420596.95	3739287.84	6.63E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	8.34E-09	1.50E-08	0.00E+00	0.00E+00	2.33E-08
1443	420605.57	3739291.4	6.59E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	8.29E-09	1.48E-08	0.00E+00	0.00E+00	2.31E-08
1444	420631.43	3739302.08	6.45E-08	1.48E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-08	1.48E-07	0.00E+00	0.00E+00	2.13E-07	8.11E-09	1.45E-08	0.00E+00	0.00E+00	2.26E-08
1445	420640.06	3739305.64	6.40E-08	1.47E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-08	1.47E-07	0.00E+00	0.00E+00	2.11E-07	8.05E-09	1.44E-08	0.00E+00	0.00E+00	2.25E-08
1446	420648.68	3739309.2	6.35E-08	1.46E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.46E-07	0.00E+00	0.00E+00	2.10E-07	7.99E-09	1.43E-08	0.00E+00	0.00E+00	2.23E-08
1447	420657.3	3739312.75	6.22E-08	1.43E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-08	1.43E-07	0.00E+00	0.00E+00	2.06E-07	7.83E-09	1.40E-08	0.00E+00	0.00E+00	2.19E-08
1448	420665.92	3739316.31	6.16E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	7.75E-09	1.39E-08	0.00E+00	0.00E+00	2.16E-08
1449	420674.54	3739319.87	6.11E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	7.69E-09	1.38E-08	0.00E+00	0.00E+00	2.15E-08
1450	420683.16	3739323.43	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	7.63E-09	1.37E-08	0.00E+00	0.00E+00	2.13E-08
1451	420691.78	3739326.99	6.02E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	7.57E-09	1.36E-08	0.00E+00	0.00E+00	2.11E-08
1452	420700.4	3739330.55	5.98E-08	1.38E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-08	1.38E-07	0.00E+00	0.00E+00	1.97E-07	7.52E-09	1.35E-08	0.00E+00	0.00E+00	2.10E-08
1453	420709.02	3739334.11	5.94E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	7.47E-09	1.34E-08	0.00E+00	0.00E+00	2.08E-08
1454	420717.65	3739337.66	5.90E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	7.41E-09	1.33E-08	0.00E+00	0.00E+00	2.07E-08
1455	420726.27	3739341.22	5.85E-08	1.35E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	1.35E-07	0.00E+00	0.00E+00	1.93E-07	7.36E-09	1.32E-08	0.00E+00	0.00E+00	2.05E-08
1456	420734.89	3739344.78	5.80E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	7.30E-09	1.31E-08	0.00E+00	0.00E+00	2.04E-08
1457	420743.51	3739348.34	5.76E-08	1.33E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-08	1.33E-07	0.00E+00	0.00E+00	1.90E-07	7.24E-09	1.30E-08	0.00E+00	0.00E+00	2.02E-08
1458	420752.13	3739351.9	5.72E-08	1.32E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-08	1.32E-07	0.00E+00	0.00E+00	1.89E-07	7.19E-09	1.29E-08	0.00E+00	0.00E+00	2.01E-08
1459	420760.75	3739355.46	5.69E-08	1.31E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-08	1.31E-07	0.00E+00	0.00E+00	1.88E-07	7.16E-09	1.28E-08	0.00E+00	0.00E+00	2.00E-08
1460	420769.37	3739359.02	5.66E-08	1.30E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	1.30E-07	0.00E+00	0.00E+00	1.87E-07	7.12E-09	1.28E-08	0.00E+00	0.00E+00	1.99E-08
1461	420821.1	3739380.37	5.44E-08	1.25E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	1.25E-07	0.00E+00	0.00E+00	1.80E-07	6.84E-09	1.23E-08	0.00E+00	0.00E+00	1.91E-08
1462	420833.32	3739392.53	5.42E-08	1.25E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-08	1.25E-07	0.00E+00	0.00E+00	1.79E-07	6.82E-09	1.22E-08	0.00E+00	0.00E+00	1.90E-08
1463	420836.92	3739401.13	5.46E-08	1.26E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-08	1.26E-07	0.00E+00	0.00E+00	1.80E-07	6.86E-09	1.23E-08	0.00E+00	0.00E+00	1.92E-08
1464	420840.52	3739409.74	5.49E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	6.90E-09	1.24E-08	0.00E+00	0.00E+00	1.93E-08
1465	420844.12	3739418.34	5.52E-08	1.27E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-08	1.27E-07	0.00E+00	0.00E+00	1.82E-07	6.94E-09	1.24E-08	0.00E+00	0.00E+00	1.94E-08
1466	420847.72	3739426.94	5.55E-08	1.28E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-08	1.28E-07	0.00E+00	0.00E+00	1.83E-07	6.98E-09	1.25E-08	0.00E+00	0.00E+00	1.95E-08
1467	420851.33	3739435.55	5.58E-08	1.28E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-08	1.28E-07	0.00E+00	0.00E+00	1.84E-07	7.02E-09	1.26E-08	0.00E+00	0.00E+00	1.96E-08
1468	420854.93	3739444.15	5.62E-08	1.29E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-08	1.29E-07	0.00E+00	0.00E+00	1.85E-07	7.06E-09	1.27E-08	0.00E+00	0.00E+00	1.97E-08
1469	420858.53	3739452.75	5.66E-08	1.30E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-08	1.30E-07	0.00E+00	0.00E+00	1.87E-07	7.12E-09	1.28E-08	0.00E+00	0.00E+00	1.99E-08
1470	420862.13	3739461.36	5.70E-08	1.31E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-08	1.31E-07	0.00E+00	0.00E+00	1.88E-07	7.17E-09	1.29E-08	0.00E+00	0.00E+00	2.00E-08
1471	420865.73	3739469.96	5.75E-08	1.32E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-08	1.32E-07	0.00E+00	0.00E+00	1.90E-07	7.23E-09	1.30E-08	0.00E+00	0.00E+00	2.02E-08
1472	420869.33	3739478.56	5.78E-08	1.33E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	1.33E-07	0.00E+00	0.00E+00	1.91E-07	7.27E-09	1.30E-08	0.00E+00	0.00E+00	2.03E-08
1473	420872.93	3739487.17	5.82E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	7.31E-09	1.31E-08	0.00E+00	0.00E+00	2.04E-08
1474	420876.53	3739495.77	5.84E-08	1.34E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	1.34E-07	0.00E+00	0.00E+00	1.93E-07	7.35E-09	1.32E-08	0.00E+00	0.00E+00	2.05E-08
1475	420880.13	3739504.37	5.87E-08	1.35E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-08	1.35E-07	0.00E+00	0.00E+00	1.94E-07	7.38E-09	1.32E-08	0.00E+00	0.00E+00	2.06E-08
1476	420883.73	3739512.98	5.90E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	7.42E-09	1.33E-08	0.00E+00	0.00E+00	2.07E-08
1477	420887.34	3739521.58	5.94E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	7.46E-09	1.34E-08	0.00E+00	0.00E+00	2.08E-08
1478	420890.94	3739530.18	5.97E-08	1.38E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.38E-07	0.00E+00	0.00E+00	1.97E-07	7.51E-09	1.35E-08	0.00E+00	0.00E+00	2.10E-08
1479	420894.54	3739538.79	6.05E-08	1.39E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.39E-07	0.00E+00	0.00E+00	2.00E-07	7.61E-09	1.36E-08	0.00E+00	0.00E+00	2.13E-08
1480	420898.14	3739547.39	6.13E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	7.71E-09	1.38E-08	0.00E+00	0.00E+00	2.15E-08
1481	420901.74	3739556	6.22E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	7.82E-09	1.40E-08	0.00E+00	0.00E+00	2.18E-08
1482	420905.34	3739564.6	6.30E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	7.93E-09	1.42E-08	0.00E+00	0.00E+00	2.21E-08
1483	420908.94	3739573.2	6.38E-08	1.47E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-08	1.47E-07	0.00E+00	0.00E+00	2.11E-07	8.03E-09	1.44E-08	0.00E+00	0.00E+00	2.24E-08
1484	420912.54	3739581.81	6.46E-08	1.49E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	1.49E-07	0.00E+00	0.00E+00	2.13E-07	8.13E-09	1.46E-08	0.00E+00	0.00E+00	2.27E-08
1485	420916.14	3739590.41	6.54E-08	1.51E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.51E-07	0.00E+00	0.00E+00	2.16E-07	8.23E-09	1.47E-08	0.00E+00	0.00E+00	2.30E-08
1486	420919.74	3739599.01	6.60E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	8.30E-09	1.49E-08	0.00E+00	0.00E+00	2.32E-08
1487	420923.34	3739607.62	6.66E-08	1.53E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-08	1.53E-07	0.00E+00	0.00E+00	2.20E-07	8.38E-09	1.50E-08	0.00E+00	0.00E+00	2.34E-08
1488	420926.95	3739616.22	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	8.45E-09	1.51E-08	0.00E+00	0.00E+00	2.36E-08
1489	420930.55	3739624.82	6.77E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	8.52E-09	1.53E-08	0.00E+00	0.00E+00	2.38E-08
1490	420934.15	3739633.43	6.85E-08	1.58E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.58E-07	0.00E+00	0.00E+00	2.26E-07	8.61E-09	1.54E-08	0.00E+00	0.00E+00	2.41E-08
1491	420937.75	3739642.03	6.92E-08	1.59E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.59E-07	0.00E+00	0.00E+00	2.29E-07	8.71E-09	1.56E-08	0.00E+00	0.00E+00	2.43E-08
1492	420941.35	3739650.63	7.00E-08	1.61E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-08	1.61E-07	0.00E+00	0.00E+00	2.31E-07	8.80E-09	1.58E-08	0.00E+00	0.00E+00	2.46E-08
1493	420944.95	3739659.24	7.07E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	8.90E-09	1.59E-08	0.00E+00	0.00E+00	2.48E-08
1494	420948.55	3739667.84	7.15E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	8.99E-09	1.61E-08	0.00E+00	0.00E+00	2.51E-08
1495	420952.15	3739676.44	7.23E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	9.09E-09	1.63E-08	0.00E+00	0.00E+00	2.54E-08
1496	420955.75	3739685.05	7.31E-08	1.68E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-08	1.68E-07	0.00E+00	0.00E+00	2.42E-07	9.20E-09	1.65E-08	0.00E+00	0.00E+00	2.57E-08
1497	420959.35	3739693.65	7.40E-08	1.70E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.70E-07	0.00E+00	0.00E+00	2.44E-07	9.31E-09	1.67E-08	0.00E+00	0.00E+00	2.60E-08
1498	420962.96	3739702.25	7.49E-08	1.72E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-08	1.72E-07	0.00E+00	0.00E+00	2.47E-07	9.41E-09	1.69E-08	0.00E+00	0.00E+00	2.63E-08
1499	420966.56	3739710.86	7.57E-08	1.74E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-08	1.74E-07	0.00E+00	0.00E+00	2.50E-07	9.52E-09	1.71E-08	0.00E+00	0.00E+00	2.66E-08
1500	420970.16	3739719.46	7.65E-08	1.76E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-08	1.76E-07	0.00E+00	0.00E+00	2.53E-07	9.62E-09	1.72E-08	0.00E+00	0.00E+00	2.69E-08
1501	420973.76	3739728.06	7.73E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	9.73E-09	1.74E-08	0.00E+00	0.00E+00	2.72E-08
1502	420977.36	3739736.67	7.82E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	9.83E-09	1.76E-08	0.00E+00	0.00E+00	2.74E-08
1503	420980.96	3739745.27	7.91E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	9.95E-09	1.78E-08	0.00E+00	0.00E+00	2.78E-08
1504	420984.56	3739753.87	8.02E-08	1.85E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-08	1.85E-07	0.00E+00	0.00E+00	2.65E-07	1.01E-08	1.81E-08	0.00E+00	0.00E+00	2.82E-08
1505	420988.16	3739762.48	8.12E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	1.02E

1557	420304.18	3739127	7.40E-08	1.70E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-08	1.70E-07	0.00E+00	0.00E+00	2.44E-07	9.31E-09	1.67E-08	0.00E+00	0.00E+00	2.60E-08
1558	420312.83	3739130.57	7.36E-08	1.69E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-08	1.69E-07	0.00E+00	0.00E+00	2.43E-07	9.26E-09	1.66E-08	0.00E+00	0.00E+00	2.58E-08
1559	420321.48	3739134.14	7.32E-08	1.69E-07	0.00E+00	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-08	1.69E-07	0.00E+00	0.00E+00	2.42E-07	9.21E-09	1.65E-08	0.00E+00	0.00E+00	2.57E-08
1560	420330.13	3739137.71	7.29E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	9.16E-09	1.64E-08	0.00E+00	0.00E+00	2.56E-08
1561	420338.79	3739141.28	7.25E-08	1.67E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	1.67E-07	0.00E+00	0.00E+00	2.39E-07	9.12E-09	1.63E-08	0.00E+00	0.00E+00	2.55E-08
1562	420347.44	3739144.85	7.07E-08	1.63E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-08	1.63E-07	0.00E+00	0.00E+00	2.33E-07	8.89E-09	1.59E-08	0.00E+00	0.00E+00	2.48E-08
1563	420356.09	3739148.43	7.04E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	8.85E-09	1.59E-08	0.00E+00	0.00E+00	2.47E-08
1564	420364.74	3739152	7.15E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-08	1.65E-07	0.00E+00	0.00E+00	2.36E-07	8.99E-09	1.61E-08	0.00E+00	0.00E+00	2.51E-08
1565	420373.4	3739155.57	7.12E-08	1.64E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.64E-07	0.00E+00	0.00E+00	2.35E-07	8.96E-09	1.60E-08	0.00E+00	0.00E+00	2.50E-08
1566	420382.05	3739159.14	7.09E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	8.92E-09	1.60E-08	0.00E+00	0.00E+00	2.49E-08
1567	420390.7	3739162.71	7.06E-08	1.63E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.63E-07	0.00E+00	0.00E+00	2.33E-07	8.89E-09	1.59E-08	0.00E+00	0.00E+00	2.48E-08
1568	420399.35	3739166.28	7.04E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	8.85E-09	1.59E-08	0.00E+00	0.00E+00	2.47E-08
1569	420408.01	3739169.85	7.01E-08	1.61E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-08	1.61E-07	0.00E+00	0.00E+00	2.31E-07	8.81E-09	1.58E-08	0.00E+00	0.00E+00	2.46E-08
1570	420416.66	3739173.43	6.98E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.61E-07	0.00E+00	0.00E+00	2.30E-07	8.78E-09	1.57E-08	0.00E+00	0.00E+00	2.45E-08
1571	420425.31	3739177	6.95E-08	1.60E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-08	1.60E-07	0.00E+00	0.00E+00	2.29E-07	8.74E-09	1.57E-08	0.00E+00	0.00E+00	2.44E-08
1572	420433.96	3739180.57	6.92E-08	1.59E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-08	1.59E-07	0.00E+00	0.00E+00	2.28E-07	8.70E-09	1.56E-08	0.00E+00	0.00E+00	2.43E-08
1573	420442.62	3739184.14	6.89E-08	1.59E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-08	1.59E-07	0.00E+00	0.00E+00	2.27E-07	8.66E-09	1.55E-08	0.00E+00	0.00E+00	2.42E-08
1574	420451.27	3739187.71	6.85E-08	1.58E-07	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-08	1.58E-07	0.00E+00	0.00E+00	2.26E-07	8.62E-09	1.54E-08	0.00E+00	0.00E+00	2.41E-08
1575	420459.92	3739191.28	6.82E-08	1.57E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	1.57E-07	0.00E+00	0.00E+00	2.25E-07	8.58E-09	1.54E-08	0.00E+00	0.00E+00	2.40E-08
1576	420468.57	3739194.85	6.80E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	8.55E-09	1.53E-08	0.00E+00	0.00E+00	2.39E-08
1577	420477.23	3739198.43	6.76E-08	1.56E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	1.56E-07	0.00E+00	0.00E+00	2.23E-07	8.51E-09	1.52E-08	0.00E+00	0.00E+00	2.38E-08
1578	420485.88	3739202	6.74E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	8.47E-09	1.52E-08	0.00E+00	0.00E+00	2.37E-08
1579	420494.53	3739205.57	6.70E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	8.43E-09	1.51E-08	0.00E+00	0.00E+00	2.35E-08
1580	420503.18	3739209.14	6.67E-08	1.54E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-08	1.54E-07	0.00E+00	0.00E+00	2.20E-07	8.39E-09	1.50E-08	0.00E+00	0.00E+00	2.34E-08
1581	420511.84	3739212.71	6.64E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	8.35E-09	1.50E-08	0.00E+00	0.00E+00	2.33E-08
1582	420520.49	3739216.28	6.61E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	8.31E-09	1.49E-08	0.00E+00	0.00E+00	2.32E-08
1583	420529.14	3739219.86	6.58E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	8.27E-09	1.48E-08	0.00E+00	0.00E+00	2.31E-08
1584	420537.79	3739223.43	6.54E-08	1.51E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.51E-07	0.00E+00	0.00E+00	2.16E-07	8.23E-09	1.47E-08	0.00E+00	0.00E+00	2.30E-08
1585	420546.45	3739227	6.51E-08	1.50E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-08	1.50E-07	0.00E+00	0.00E+00	2.15E-07	8.18E-09	1.47E-08	0.00E+00	0.00E+00	2.28E-08
1586	420555.1	3739230.57	6.47E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	8.14E-09	1.46E-08	0.00E+00	0.00E+00	2.27E-08
1587	420563.75	3739234.14	6.43E-08	1.48E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-08	1.48E-07	0.00E+00	0.00E+00	2.12E-07	8.09E-09	1.45E-08	0.00E+00	0.00E+00	2.26E-08
1588	420572.4	3739237.71	6.39E-08	1.47E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.47E-07	0.00E+00	0.00E+00	2.11E-07	8.04E-09	1.44E-08	0.00E+00	0.00E+00	2.24E-08
1589	420581.06	3739241.28	6.35E-08	1.46E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-08	1.46E-07	0.00E+00	0.00E+00	2.10E-07	7.99E-09	1.43E-08	0.00E+00	0.00E+00	2.23E-08
1590	420589.71	3739244.86	6.31E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	7.94E-09	1.42E-08	0.00E+00	0.00E+00	2.22E-08
1591	420598.36	3739248.43	6.27E-08	1.44E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-08	1.44E-07	0.00E+00	0.00E+00	2.07E-07	7.89E-09	1.41E-08	0.00E+00	0.00E+00	2.20E-08
1592	420632.97	3739262.71	6.11E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	7.68E-09	1.38E-08	0.00E+00	0.00E+00	2.14E-08
1593	420641.62	3739266.28	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	7.63E-09	1.37E-08	0.00E+00	0.00E+00	2.13E-08
1594	420650.28	3739269.86	6.02E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	7.58E-09	1.36E-08	0.00E+00	0.00E+00	2.12E-08
1595	420658.93	3739273.43	5.98E-08	1.38E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-08	1.38E-07	0.00E+00	0.00E+00	1.98E-07	7.52E-09	1.35E-08	0.00E+00	0.00E+00	2.10E-08
1596	420667.58	3739277	5.94E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	7.47E-09	1.34E-08	0.00E+00	0.00E+00	2.09E-08
1597	420676.23	3739280.57	5.90E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	7.42E-09	1.33E-08	0.00E+00	0.00E+00	2.07E-08
1598	420684.89	3739284.14	5.85E-08	1.35E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-08	1.35E-07	0.00E+00	0.00E+00	1.93E-07	7.36E-09	1.32E-08	0.00E+00	0.00E+00	2.06E-08
1599	420693.54	3739287.71	5.81E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	7.31E-09	1.31E-08	0.00E+00	0.00E+00	2.04E-08
1600	420702.19	3739291.28	5.69E-08	1.31E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-08	1.31E-07	0.00E+00	0.00E+00	1.88E-07	7.15E-09	1.28E-08	0.00E+00	0.00E+00	2.00E-08
1601	420710.84	3739294.86	5.64E-08	1.30E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-08	1.30E-07	0.00E+00	0.00E+00	1.86E-07	7.09E-09	1.27E-08	0.00E+00	0.00E+00	1.98E-08
1602	420719.49	3739298.43	5.59E-08	1.29E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-08	1.29E-07	0.00E+00	0.00E+00	1.85E-07	7.03E-09	1.26E-08	0.00E+00	0.00E+00	1.96E-08
1603	420728.15	3739302	5.54E-08	1.28E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-08	1.28E-07	0.00E+00	0.00E+00	1.83E-07	6.97E-09	1.25E-08	0.00E+00	0.00E+00	1.95E-08
1604	420736.8	3739305.57	5.49E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	6.91E-09	1.24E-08	0.00E+00	0.00E+00	1.93E-08
1605	420745.45	3739309.14	5.45E-08	1.25E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-08	1.25E-07	0.00E+00	0.00E+00	1.80E-07	6.85E-09	1.23E-08	0.00E+00	0.00E+00	1.91E-08
1606	420754.1	3739312.71	5.40E-08	1.24E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-08	1.24E-07	0.00E+00	0.00E+00	1.78E-07	6.79E-09	1.22E-08	0.00E+00	0.00E+00	1.90E-08
1607	420762.76	3739316.29	5.36E-08	1.23E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-08	1.23E-07	0.00E+00	0.00E+00	1.77E-07	6.74E-09	1.21E-08	0.00E+00	0.00E+00	1.88E-08
1608	420771.41	3739319.86	5.32E-08	1.22E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-08	1.22E-07	0.00E+00	0.00E+00	1.76E-07	6.68E-09	1.20E-08	0.00E+00	0.00E+00	1.87E-08
1609	420780.06	3739323.43	5.28E-08	1.22E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-08	1.22E-07	0.00E+00	0.00E+00	1.74E-07	6.64E-09	1.19E-08	0.00E+00	0.00E+00	1.85E-08
1610	420788.71	3739327	5.25E-08	1.21E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-08	1.21E-07	0.00E+00	0.00E+00	1.73E-07	6.60E-09	1.18E-08	0.00E+00	0.00E+00	1.84E-08
1611	420797.37	3739330.57	5.22E-08	1.20E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-08	1.20E-07	0.00E+00	0.00E+00	1.72E-07	6.56E-09	1.18E-08	0.00E+00	0.00E+00	1.83E-08
1612	420806.02	3739334.14	5.19E-08	1.19E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-08	1.19E-07	0.00E+00	0.00E+00	1.71E-07	6.52E-09	1.17E-08	0.00E+00	0.00E+00	1.82E-08
1613	420814.67	3739337.71	5.16E-08	1.19E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-08	1.19E-07	0.00E+00	0.00E+00	1.70E-07	6.49E-09	1.16E-08	0.00E+00	0.00E+00	1.81E-08
1614	420823.32	3739341.29	5.14E-08	1.18E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-08	1.18E-07	0.00E+00	0.00E+00	1.70E-07	6.46E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08
1615	420831.98	3739344.86	5.12E-08	1.18E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-08	1.18E-07	0.00E+00	0.00E+00	1.69E-07	6.43E-09	1.15E-08	0.00E+00	0.00E+00	1.80E-08
1616	420840.63	3739348.43	5.09E-08	1.17E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-08	1.17E-07	0.00E+00	0.00E+00	1.68E-07	6.41E-09	1.15E-08	0.00E+00	0.00E+00	1.79E-08
1617	420849.28	3739352	5.06E-08	1.16E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	1.16E-07	0.00E+00	0.00E+00	1.67E-07	6.36E-09	1.14E-08	0.00E+00	0.00E+00	1.78E-08
1618	420868.78	3739381.48	5.12E-08	1.18E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-08	1.18E-07	0.00E+00	0.00E+00	1.69E-07	6.44E-09	1.15E-08	0.00E+00	0.00E+00	1.80E-08
1619	420872.39	3739390.11	5.13E-08	1.18E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-08	1.18E-07	0.00E+00	0.00E+00	1.70E-07	6.46E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08
1620	420876	3739398.75	5.15E-08	1.19E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-08	1.19E-07	0.00E+00	0.00E+00	1.70E-07	6.48E-09	1.16E-08	0.00E+00	0.00E+00	1.81E-08
1621	420879.62	3739407.38	5.17E-08	1.19E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-08	1.19E-07	0.00E+00	0.00E+00	1.71E-07	6.50E-09	1.16E-08	0.00E+00	0.00E+00	1.81E-08
1622	420883.23	3739416.02	5.20E-08	1.20E-07	0.00E+00	0.00E+00	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-08	1.20E-07	0.00E+00	0.00E+00	1.72E-07	6.54E-09	1.17E-08	0.00E+00	0.00E+00	1.83E-08
1623	420886.85	3739424.65	5.24E-08	1.21E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	1.21E-07	0.00E+00	0.00E+00	1.73E-07	6.59E-09	1.18E-08	0.00E+00	0.00E+00	1.84E-08
1624	420890.46	3739433.28	5.28E-08	1.22E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-08	1.22E-07	0.00E+00	0.00E+00	1.74E-07	6.64E-09	1.19E-08	0.00E+00	0.00E+00	1.85E-08
1625	420894.07	3739441.92	5.32E-08	1.22E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-08	1.22E-07	0.00E+00	0.00E+00	1.76E-07	6.69E-09	1.20E-08	0.00E+00	0.00E+00	1.87E-08
1626	420897.69	3739450.55	5.35E-08	1.23E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-08	1.23E-07	0.00E+00	0.00E+00	1.77E-07	6.73E-09	1.21E-08	0.00E+00	0.00E+00	1.88E-08
1627	420901.3	3739459.19	5.38E-08	1.24E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-08	1.24E-07	0.00E+00	0.00E+00	1.78E-07	6.77E-09	1.21E-08	0.00E+00	0.00E+00	1.89E-08
1628	420904.92	3739467.82	5.41E-08	1.25E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-08	1.25E-07	0.00E+00	0.00E+00	1.79E-07	6.81E-09	1.22E-08	0.00E+00	0.00E+00	1.90E-08
1629	420908.53	3739476.46	5.43E-08	1.25E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-08	1.25E-07	0.00E+00	0.00E+00	1.79E-07	6.83E-09	1.22E-08	0.00E+00	0.00E+00	1.91E-08
1630	420912.15	3739485.09	5.45E-08	1.25E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-08	1.25E-07	0.00E+00	0.00E+00	1.80E-07	6.85E-09	1.23E-08	0.00E+00	0.00E+00	1.91E-08
1631	420915.76	3739493.73	5.46E-08	1.26E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-08	1.26E-07	0.00E+00	0.00E+00	1.80E-07	6.87E-09	1.23E-08	0.00E+00	0.00E+00	1.92E-08
1632	420919.37	3739502.36	5.49E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	6.91E-09	1.24E-08	0.00E+00	0.00E+00	1.93E-08
1633	420922.99	3739511	5.56E-08	1.28E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-08	1.28E-07	0.00E+00	0.00E+00	1.84E-07	6.99E-09	1.25E-08	0.00E+00	0.00E+00	1.95E-08
1634	420926.6	3739519.63	5.63E-08	1.30E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	1.30E-07	0.00E+00	0.00E+00	1.86E-07	7.08E-09	1.27E-08	0.00E+00	0.00E+00	1.98E-08
1635	420930.22	3739528.27	5.71E-08	1.31E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-08	1.31E-07	0.00E+00	0.00E+00	1.88E-07	7.18E-09	1.29E-08	0.00E+00

1687	421125.37	3739994.54	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	1.39E-08	2.50E-08	0.00E+00	0.00E+00	3.89E-08
1688	420199.63	3739087.71	8.00E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.01E-08	1.80E-08	0.00E+00	0.00E+00	2.81E-08
1689	420190.26	3739087.71	8.11E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	1.02E-08	1.83E-08	0.00E+00	0.00E+00	2.85E-08
1690	420180.89	3739087.71	8.22E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	1.03E-08	1.85E-08	0.00E+00	0.00E+00	2.89E-08
1691	420171.52	3739087.71	8.33E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.92E-08
1692	420162.15	3739087.71	8.44E-08	1.94E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-08	1.94E-07	0.00E+00	0.00E+00	2.79E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.96E-08
1693	420152.78	3739087.71	8.55E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	1.08E-08	1.93E-08	0.00E+00	0.00E+00	3.00E-08
1694	420143.41	3739087.71	8.67E-08	1.99E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-08	1.99E-07	0.00E+00	0.00E+00	2.86E-07	1.09E-08	1.95E-08	0.00E+00	0.00E+00	3.04E-08
1695	420134.04	3739087.71	8.78E-08	2.02E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-08	2.02E-07	0.00E+00	0.00E+00	2.90E-07	1.10E-08	1.98E-08	0.00E+00	0.00E+00	3.08E-08
1696	420124.67	3739087.71	8.89E-08	2.05E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-08	2.05E-07	0.00E+00	0.00E+00	2.94E-07	1.12E-08	2.00E-08	0.00E+00	0.00E+00	3.12E-08
1697	420115.3	3739087.71	9.01E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	1.13E-08	2.03E-08	0.00E+00	0.00E+00	3.16E-08
1698	420105.93	3739087.71	9.12E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.20E-08
1699	420096.56	3739087.71	9.24E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	1.16E-08	2.08E-08	0.00E+00	0.00E+00	3.24E-08
1700	420087.19	3739087.71	9.35E-08	2.15E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	2.15E-07	0.00E+00	0.00E+00	3.09E-07	1.18E-08	2.11E-08	0.00E+00	0.00E+00	3.28E-08
1701	420077.82	3739087.71	9.47E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	1.19E-08	2.13E-08	0.00E+00	0.00E+00	3.33E-08
1702	420068.45	3739087.71	9.58E-08	2.21E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-08	2.21E-07	0.00E+00	0.00E+00	3.16E-07	1.21E-08	2.16E-08	0.00E+00	0.00E+00	3.37E-08
1703	420226.14	3739054.79	7.31E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	9.19E-09	1.65E-08	0.00E+00	0.00E+00	2.57E-08
1704	420234.71	3739058.32	7.27E-08	1.67E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	1.67E-07	0.00E+00	0.00E+00	2.40E-07	9.14E-09	1.64E-08	0.00E+00	0.00E+00	2.55E-08
1705	420243.29	3739061.86	7.22E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-08	1.66E-07	0.00E+00	0.00E+00	2.39E-07	9.08E-09	1.63E-08	0.00E+00	0.00E+00	2.54E-08
1706	420251.86	3739065.4	7.18E-08	1.65E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-08	1.65E-07	0.00E+00	0.00E+00	2.37E-07	9.03E-09	1.62E-08	0.00E+00	0.00E+00	2.52E-08
1707	420260.43	3739068.94	7.14E-08	1.64E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-08	1.64E-07	0.00E+00	0.00E+00	2.36E-07	8.98E-09	1.61E-08	0.00E+00	0.00E+00	2.51E-08
1708	420269	3739072.48	7.10E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-08	1.63E-07	0.00E+00	0.00E+00	2.34E-07	8.93E-09	1.60E-08	0.00E+00	0.00E+00	2.49E-08
1709	420277.57	3739076.01	7.06E-08	1.62E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.62E-07	0.00E+00	0.00E+00	2.33E-07	8.88E-09	1.59E-08	0.00E+00	0.00E+00	2.48E-08
1710	420286.14	3739079.55	7.02E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	8.83E-09	1.58E-08	0.00E+00	0.00E+00	2.46E-08
1711	420294.72	3739083.09	6.79E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	8.54E-09	1.53E-08	0.00E+00	0.00E+00	2.38E-08
1712	420303.29	3739086.63	6.75E-08	1.55E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.55E-07	0.00E+00	0.00E+00	2.23E-07	8.49E-09	1.52E-08	0.00E+00	0.00E+00	2.37E-08
1713	420311.86	3739090.17	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	8.46E-09	1.52E-08	0.00E+00	0.00E+00	2.36E-08
1714	420320.43	3739093.7	6.70E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	8.43E-09	1.51E-08	0.00E+00	0.00E+00	2.35E-08
1715	420329	3739097.24	6.68E-08	1.54E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.54E-07	0.00E+00	0.00E+00	2.20E-07	8.40E-09	1.50E-08	0.00E+00	0.00E+00	2.34E-08
1716	420337.57	3739100.78	6.66E-08	1.53E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-08	1.53E-07	0.00E+00	0.00E+00	2.20E-07	8.38E-09	1.50E-08	0.00E+00	0.00E+00	2.34E-08
1717	420346.14	3739104.32	6.78E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	8.53E-09	1.53E-08	0.00E+00	0.00E+00	2.38E-08
1718	420354.72	3739107.86	6.75E-08	1.55E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.55E-07	0.00E+00	0.00E+00	2.23E-07	8.49E-09	1.52E-08	0.00E+00	0.00E+00	2.37E-08
1719	420363.29	3739111.4	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-08	1.55E-07	0.00E+00	0.00E+00	2.22E-07	8.46E-09	1.52E-08	0.00E+00	0.00E+00	2.36E-08
1720	420371.86	3739114.93	6.70E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-08	1.54E-07	0.00E+00	0.00E+00	2.21E-07	8.42E-09	1.51E-08	0.00E+00	0.00E+00	2.35E-08
1721	420380.43	3739118.47	6.67E-08	1.54E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-08	1.54E-07	0.00E+00	0.00E+00	2.20E-07	8.39E-09	1.50E-08	0.00E+00	0.00E+00	2.34E-08
1722	420389	3739122.01	6.64E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	8.36E-09	1.50E-08	0.00E+00	0.00E+00	2.33E-08
1723	420397.57	3739125.55	6.62E-08	1.52E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-08	1.52E-07	0.00E+00	0.00E+00	2.19E-07	8.32E-09	1.49E-08	0.00E+00	0.00E+00	2.32E-08
1724	420406.14	3739129.09	6.59E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	8.29E-09	1.49E-08	0.00E+00	0.00E+00	2.31E-08
1725	420414.72	3739132.62	6.57E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	8.26E-09	1.48E-08	0.00E+00	0.00E+00	2.31E-08
1726	420423.29	3739136.16	6.54E-08	1.51E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.51E-07	0.00E+00	0.00E+00	2.16E-07	8.23E-09	1.47E-08	0.00E+00	0.00E+00	2.30E-08
1727	420431.86	3739139.7	6.52E-08	1.50E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.50E-07	0.00E+00	0.00E+00	2.15E-07	8.19E-09	1.47E-08	0.00E+00	0.00E+00	2.29E-08
1728	420440.43	3739143.24	6.49E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-08	1.49E-07	0.00E+00	0.00E+00	2.14E-07	8.16E-09	1.46E-08	0.00E+00	0.00E+00	2.28E-08
1729	420449	3739146.78	6.46E-08	1.49E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	1.49E-07	0.00E+00	0.00E+00	2.13E-07	8.13E-09	1.46E-08	0.00E+00	0.00E+00	2.27E-08
1730	420457.57	3739150.31	6.44E-08	1.48E-07	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.48E-07	0.00E+00	0.00E+00	2.13E-07	8.10E-09	1.45E-08	0.00E+00	0.00E+00	2.26E-08
1731	420466.15	3739153.85	6.41E-08	1.48E-07	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-08	1.48E-07	0.00E+00	0.00E+00	2.12E-07	8.07E-09	1.45E-08	0.00E+00	0.00E+00	2.25E-08
1732	420474.72	3739157.39	6.39E-08	1.47E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-08	1.47E-07	0.00E+00	0.00E+00	2.11E-07	8.03E-09	1.44E-08	0.00E+00	0.00E+00	2.24E-08
1733	420483.29	3739160.93	6.36E-08	1.46E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-08	1.46E-07	0.00E+00	0.00E+00	2.10E-07	8.00E-09	1.43E-08	0.00E+00	0.00E+00	2.23E-08
1734	420491.86	3739164.47	6.33E-08	1.46E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.46E-07	0.00E+00	0.00E+00	2.09E-07	7.97E-09	1.43E-08	0.00E+00	0.00E+00	2.22E-08
1735	420500.43	3739168	6.31E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	7.93E-09	1.42E-08	0.00E+00	0.00E+00	2.21E-08
1736	420509	3739171.54	6.28E-08	1.45E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-08	1.45E-07	0.00E+00	0.00E+00	2.07E-07	7.90E-09	1.42E-08	0.00E+00	0.00E+00	2.21E-08
1737	420517.57	3739175.08	6.25E-08	1.44E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	1.44E-07	0.00E+00	0.00E+00	2.06E-07	7.86E-09	1.41E-08	0.00E+00	0.00E+00	2.20E-08
1738	420526.15	3739178.62	6.22E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	7.82E-09	1.40E-08	0.00E+00	0.00E+00	2.18E-08
1739	420534.72	3739182.16	6.19E-08	1.43E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	1.43E-07	0.00E+00	0.00E+00	2.04E-07	7.79E-09	1.40E-08	0.00E+00	0.00E+00	2.17E-08
1740	420543.29	3739185.69	6.16E-08	1.42E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.42E-07	0.00E+00	0.00E+00	2.03E-07	7.75E-09	1.39E-08	0.00E+00	0.00E+00	2.16E-08
1741	420551.86	3739189.23	6.13E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	7.71E-09	1.38E-08	0.00E+00	0.00E+00	2.15E-08
1742	420560.43	3739192.77	6.10E-08	1.40E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-08	1.40E-07	0.00E+00	0.00E+00	2.01E-07	7.67E-09	1.37E-08	0.00E+00	0.00E+00	2.14E-08
1743	420569	3739196.31	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	7.63E-09	1.37E-08	0.00E+00	0.00E+00	2.13E-08
1744	420577.57	3739199.85	6.03E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	7.59E-09	1.36E-08	0.00E+00	0.00E+00	2.12E-08
1745	420586.15	3739203.39	6.00E-08	1.38E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.38E-07	0.00E+00	0.00E+00	1.98E-07	7.54E-09	1.35E-08	0.00E+00	0.00E+00	2.11E-08
1746	420594.72	3739206.92	5.96E-08	1.37E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-08	1.37E-07	0.00E+00	0.00E+00	1.97E-07	7.50E-09	1.34E-08	0.00E+00	0.00E+00	2.09E-08
1747	420603.29	3739210.46	5.92E-08	1.36E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-08	1.36E-07	0.00E+00	0.00E+00	1.96E-07	7.45E-09	1.34E-08	0.00E+00	0.00E+00	2.08E-08
1748	420629	3739221.08	5.82E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	7.32E-09	1.31E-08	0.00E+00	0.00E+00	2.04E-08
1749	420637.58	3739224.61	5.78E-08	1.33E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-08	1.33E-07	0.00E+00	0.00E+00	1.91E-07	7.27E-09	1.30E-08	0.00E+00	0.00E+00	2.03E-08
1750	420646.15	3739228.15	5.75E-08	1.32E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-08	1.32E-07	0.00E+00	0.00E+00	1.90E-07	7.23E-09	1.30E-08	0.00E+00	0.00E+00	2.02E-08
1751	420654.72	3739231.69	5.71E-08	1.31E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-08	1.31E-07	0.00E+00	0.00E+00	1.89E-07	7.18E-09	1.29E-08	0.00E+00	0.00E+00	2.01E-08
1752	420663.29	3739235.23	5.67E-08	1.31E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-08	1.31E-07	0.00E+00	0.00E+00	1.87E-07	7.13E-09	1.28E-08	0.00E+00	0.00E+00	1.99E-08
1753	420671.86	3739238.77	5.63E-08	1.30E-07	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	1.30E-07	0.00E+00	0.00E+00	1.86E-07	7.09E-09	1.27E-08	0.00E+00	0.00E+00	1.98E-08
1754	420680.43	3739242.3	5.60E-08	1.29E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-08	1.29E-07	0.00E+00	0.00E+00	1.85E-07	7.04E-09	1.26E-08	0.00E+00	0.00E+00	1.96E-08
1755	420689	3739245.84	5.56E-08	1.28E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-08	1.28E-07	0.00E+00	0.00E+00	1.83E-07	6.99E-09	1.25E-08	0.00E+00	0.00E+00	1.95E-08
1756	420697.58	3739249.38	5.52E-08	1.27E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-08	1.27E-07	0.00E+00	0.00E+00	1.82E-07	6.94E-09	1.24E-08	0.00E+00	0.00E+00	1.94E-08
1757	420706.15	3739252.92	5.48E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	6.89E-09	1.24E-08	0.00E+00	0.00E+00	1.92E-08
1758	420714.72	3739256.46	5.44E-08	1.25E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	1.25E-07	0.00E+00	0.00E+00	1.80E-07	6.84E-09	1.23E-08	0.00E+00	0.00E+00	1.91E-08
1759	420723.29	3739259.99	5.33E-08	1.23E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-08	1.23E-07	0.00E+00	0.00E+00	1.76E-07	6.71E-09	1.20E-08	0.00E+00	0.00E+00	1.87E-08
1760	420731.86	3739263.53	5.28E-08	1.22E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-08	1.22E-07	0.00E+00	0.00E+00	1.74E-07	6.64E-09	1.19E-08	0.00E+00	0.00E+00	1.85E-08
1761	420740.43	3739267.07	5.23E-08	1.20E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-08	1.20E-07	0.00E+00	0.00E+00	1.73E-07	6.58E-09	1.18E-08	0.00E+00	0.00E+00	1.84E-08
1762	420749	3739270.61	5.18E-08	1.19E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-08	1.19E-07	0.00E+00	0.00E+00	1.71E-07	6.52E-09	1.17E-08	0.00E+00	0.00E+00	1.82E-08
1763	420757.58	3739274.15	5.14E-08	1.18E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-08	1.18E-07	0.00E+00	0.00E+00	1.70E-07	6.46E-09	1.16E-08	0.00E+00	0.00E+00	1.80E-08
1764	420766.15	3739277.68	5.10E-08	1.17E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-08	1.17E-07	0.00E+00	0.00E+00	1.68E-07	6.41E-09	1.15E-08	0.00E+00	0.00E+00	1.79E-08
1765	420774.72	3739281.22	5.06E-08	1.16E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	1.16E-07	0.00E+00	0.00E+00	1.67E-07	6.36E-09	1.14E-08	0.00E

1817	421083.06	3739797.69	7.51E-08	1.73E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-08	1.73E-07	0.00E+00	0.00E+00	2.48E-07	9.45E-09	1.69E-08	0.00E+00	0.00E+00	2.64E-08
1818	421086.64	3739806.24	7.62E-08	1.75E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	1.75E-07	0.00E+00	0.00E+00	2.52E-07	9.58E-09	1.72E-08	0.00E+00	0.00E+00	2.68E-08
1819	421090.22	3739814.79	7.74E-08	1.78E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.78E-07	0.00E+00	0.00E+00	2.56E-07	9.74E-09	1.74E-08	0.00E+00	0.00E+00	2.72E-08
1820	421093.8	3739823.35	7.86E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	9.89E-09	1.77E-08	0.00E+00	0.00E+00	2.76E-08
1821	421097.38	3739831.9	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.00E-08	1.80E-08	0.00E+00	0.00E+00	2.81E-08
1822	421100.96	3739840.46	8.13E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	1.02E-08	1.83E-08	0.00E+00	0.00E+00	2.85E-08
1823	421104.54	3739849.01	8.27E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
1824	421108.12	3739857.56	8.41E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.95E-08
1825	421111.7	3739866.12	8.54E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	1.07E-08	1.92E-08	0.00E+00	0.00E+00	3.00E-08
1826	421115.28	3739874.67	8.65E-08	1.99E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-08	1.99E-07	0.00E+00	0.00E+00	2.86E-07	1.09E-08	1.95E-08	0.00E+00	0.00E+00	3.04E-08
1827	421118.86	3739883.23	8.76E-08	2.02E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-08	2.02E-07	0.00E+00	0.00E+00	2.89E-07	1.10E-08	1.98E-08	0.00E+00	0.00E+00	3.08E-08
1828	421122.45	3739891.78	8.87E-08	2.04E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-08	2.04E-07	0.00E+00	0.00E+00	2.93E-07	1.12E-08	2.00E-08	0.00E+00	0.00E+00	3.12E-08
1829	421126.03	3739900.33	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.96E-07	1.13E-08	2.02E-08	0.00E+00	0.00E+00	3.15E-08
1830	421129.61	3739908.89	9.08E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	1.14E-08	2.05E-08	0.00E+00	0.00E+00	3.19E-08
1831	421133.19	3739917.44	9.18E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	1.15E-08	2.07E-08	0.00E+00	0.00E+00	3.22E-08
1832	421136.77	3739926	9.31E-08	2.14E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-08	2.14E-07	0.00E+00	0.00E+00	3.08E-07	1.17E-08	2.10E-08	0.00E+00	0.00E+00	3.27E-08
1833	421140.35	3739934.55	9.46E-08	2.18E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-08	2.18E-07	0.00E+00	0.00E+00	3.12E-07	1.19E-08	2.13E-08	0.00E+00	0.00E+00	3.32E-08
1834	421143.93	3739943.1	9.61E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	1.21E-08	2.17E-08	0.00E+00	0.00E+00	3.37E-08
1835	421147.51	3739951.66	9.75E-08	2.24E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-08	2.24E-07	0.00E+00	0.00E+00	3.22E-07	1.23E-08	2.20E-08	0.00E+00	0.00E+00	3.42E-08
1836	421151.09	3739960.21	9.88E-08	2.27E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-08	2.27E-07	0.00E+00	0.00E+00	3.26E-07	1.24E-08	2.23E-08	0.00E+00	0.00E+00	3.47E-08
1837	421154.67	3739968.77	1.00E-07	2.30E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	2.30E-07	0.00E+00	0.00E+00	3.30E-07	1.26E-08	2.26E-08	0.00E+00	0.00E+00	3.51E-08
1838	421158.25	3739977.32	1.01E-07	2.33E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.33E-07	0.00E+00	0.00E+00	3.34E-07	1.27E-08	2.28E-08	0.00E+00	0.00E+00	3.56E-08
1839	421161.83	3739985.87	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.38E-07	1.29E-08	2.30E-08	0.00E+00	0.00E+00	3.59E-08
1840	421165.41	3739994.43	1.03E-07	2.37E-07	0.00E+00	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.37E-07	0.00E+00	0.00E+00	3.40E-07	1.30E-08	2.32E-08	0.00E+00	0.00E+00	3.62E-08
1841	420199.63	3739047.71	7.49E-08	1.72E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-08	1.72E-07	0.00E+00	0.00E+00	2.47E-07	9.42E-09	1.69E-08	0.00E+00	0.00E+00	2.63E-08
1842	420190.26	3739047.71	7.59E-08	1.75E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-08	1.75E-07	0.00E+00	0.00E+00	2.50E-07	9.54E-09	1.71E-08	0.00E+00	0.00E+00	2.66E-08
1843	420180.89	3739047.71	7.69E-08	1.77E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-08	1.77E-07	0.00E+00	0.00E+00	2.54E-07	9.67E-09	1.73E-08	0.00E+00	0.00E+00	2.70E-08
1844	420171.52	3739047.71	7.78E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	9.79E-09	1.75E-08	0.00E+00	0.00E+00	2.73E-08
1845	420162.15	3739047.71	7.89E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	9.92E-09	1.78E-08	0.00E+00	0.00E+00	2.77E-08
1846	420152.78	3739047.71	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.00E-08	1.80E-08	0.00E+00	0.00E+00	2.80E-08
1847	420143.41	3739047.71	8.10E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	1.02E-08	1.82E-08	0.00E+00	0.00E+00	2.84E-08
1848	420134.04	3739047.71	8.19E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	1.03E-08	1.85E-08	0.00E+00	0.00E+00	2.88E-08
1849	420124.67	3739047.71	8.30E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	1.04E-08	1.87E-08	0.00E+00	0.00E+00	2.92E-08
1850	420115.3	3739047.71	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	1.06E-08	1.89E-08	0.00E+00	0.00E+00	2.95E-08
1851	420105.93	3739047.71	8.51E-08	1.96E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-08	1.96E-07	0.00E+00	0.00E+00	2.81E-07	1.07E-08	1.92E-08	0.00E+00	0.00E+00	2.99E-08
1852	420096.56	3739047.71	8.61E-08	1.98E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	1.98E-07	0.00E+00	0.00E+00	2.84E-07	1.08E-08	1.94E-08	0.00E+00	0.00E+00	3.02E-08
1853	420087.19	3739047.71	8.72E-08	2.01E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-08	2.01E-07	0.00E+00	0.00E+00	2.88E-07	1.10E-08	1.96E-08	0.00E+00	0.00E+00	3.06E-08
1854	420077.82	3739047.71	8.82E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	1.11E-08	1.99E-08	0.00E+00	0.00E+00	3.10E-08
1855	420068.45	3739047.71	8.92E-08	2.05E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-08	2.05E-07	0.00E+00	0.00E+00	2.95E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.13E-08
1856	420226.2	3739014.81	6.87E-08	1.58E-07	0.00E+00	0.00E+00	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-08	1.58E-07	0.00E+00	0.00E+00	2.27E-07	8.63E-09	1.55E-08	0.00E+00	0.00E+00	2.41E-08
1857	420234.81	3739018.36	6.83E-08	1.57E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-08	1.57E-07	0.00E+00	0.00E+00	2.25E-07	8.59E-09	1.54E-08	0.00E+00	0.00E+00	2.40E-08
1858	420243.41	3739021.91	6.79E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.56E-07	0.00E+00	0.00E+00	2.24E-07	8.54E-09	1.53E-08	0.00E+00	0.00E+00	2.38E-08
1859	420252.01	3739025.46	6.75E-08	1.55E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	1.55E-07	0.00E+00	0.00E+00	2.23E-07	8.49E-09	1.52E-08	0.00E+00	0.00E+00	2.37E-08
1860	420260.61	3739029.01	6.71E-08	1.54E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-08	1.54E-07	0.00E+00	0.00E+00	2.22E-07	8.44E-09	1.51E-08	0.00E+00	0.00E+00	2.36E-08
1861	420269.21	3739032.56	6.68E-08	1.54E-07	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-08	1.54E-07	0.00E+00	0.00E+00	2.20E-07	8.40E-09	1.51E-08	0.00E+00	0.00E+00	2.34E-08
1862	420277.82	3739036.12	6.64E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	1.53E-07	0.00E+00	0.00E+00	2.19E-07	8.35E-09	1.50E-08	0.00E+00	0.00E+00	2.33E-08
1863	420286.42	3739039.67	6.60E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-08	1.52E-07	0.00E+00	0.00E+00	2.18E-07	8.31E-09	1.49E-08	0.00E+00	0.00E+00	2.32E-08
1864	420295.02	3739043.22	6.57E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.51E-07	0.00E+00	0.00E+00	2.17E-07	8.26E-09	1.48E-08	0.00E+00	0.00E+00	2.31E-08
1865	420303.62	3739046.77	6.53E-08	1.50E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-08	1.50E-07	0.00E+00	0.00E+00	2.16E-07	8.21E-09	1.47E-08	0.00E+00	0.00E+00	2.29E-08
1866	420312.22	3739050.32	6.33E-08	1.46E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.46E-07	0.00E+00	0.00E+00	2.09E-07	7.96E-09	1.43E-08	0.00E+00	0.00E+00	2.22E-08
1867	420320.83	3739053.87	6.29E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-08	1.45E-07	0.00E+00	0.00E+00	2.08E-07	7.91E-09	1.42E-08	0.00E+00	0.00E+00	2.21E-08
1868	420329.43	3739057.42	6.26E-08	1.44E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-08	1.44E-07	0.00E+00	0.00E+00	2.07E-07	7.87E-09	1.41E-08	0.00E+00	0.00E+00	2.20E-08
1869	420338.03	3739060.97	6.23E-08	1.43E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-08	1.43E-07	0.00E+00	0.00E+00	2.06E-07	7.84E-09	1.40E-08	0.00E+00	0.00E+00	2.19E-08
1870	420346.63	3739064.52	6.21E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	7.81E-09	1.40E-08	0.00E+00	0.00E+00	2.18E-08
1871	420355.23	3739068.07	6.19E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	7.78E-09	1.39E-08	0.00E+00	0.00E+00	2.17E-08
1872	420363.84	3739071.62	6.18E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	7.77E-09	1.39E-08	0.00E+00	0.00E+00	2.17E-08
1873	420372.44	3739075.17	6.17E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	7.76E-09	1.39E-08	0.00E+00	0.00E+00	2.17E-08
1874	420381.04	3739078.72	6.27E-08	1.44E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-08	1.44E-07	0.00E+00	0.00E+00	2.07E-07	7.89E-09	1.41E-08	0.00E+00	0.00E+00	2.20E-08
1875	420389.64	3739082.27	6.25E-08	1.44E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08	1.44E-07	0.00E+00	0.00E+00	2.06E-07	7.86E-09	1.41E-08	0.00E+00	0.00E+00	2.19E-08
1876	420398.24	3739085.82	6.23E-08	1.43E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-08	1.43E-07	0.00E+00	0.00E+00	2.06E-07	7.83E-09	1.40E-08	0.00E+00	0.00E+00	2.19E-08
1877	420406.85	3739089.38	6.21E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-08	1.43E-07	0.00E+00	0.00E+00	2.05E-07	7.80E-09	1.40E-08	0.00E+00	0.00E+00	2.18E-08
1878	420415.45	3739092.93	6.18E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.42E-07	0.00E+00	0.00E+00	2.04E-07	7.78E-09	1.39E-08	0.00E+00	0.00E+00	2.17E-08
1879	420424.05	3739096.48	6.16E-08	1.42E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.42E-07	0.00E+00	0.00E+00	2.03E-07	7.75E-09	1.39E-08	0.00E+00	0.00E+00	2.16E-08
1880	420432.65	3739100.03	6.14E-08	1.41E-07	0.00E+00	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-08	1.41E-07	0.00E+00	0.00E+00	2.03E-07	7.72E-09	1.38E-08	0.00E+00	0.00E+00	2.16E-08
1881	420441.25	3739103.58	6.11E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-08	1.41E-07	0.00E+00	0.00E+00	2.02E-07	7.69E-09	1.38E-08	0.00E+00	0.00E+00	2.15E-08
1882	420449.86	3739107.13	6.09E-08	1.40E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-08	1.40E-07	0.00E+00	0.00E+00	2.01E-07	7.66E-09	1.37E-08	0.00E+00	0.00E+00	2.14E-08
1883	420458.46	3739110.68	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	1.40E-07	0.00E+00	0.00E+00	2.00E-07	7.63E-09	1.37E-08	0.00E+00	0.00E+00	2.13E-08
1884	420467.06	3739114.23	6.05E-08	1.39E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-08	1.39E-07	0.00E+00	0.00E+00	2.00E-07	7.61E-09	1.36E-08	0.00E+00	0.00E+00	2.12E-08
1885	420475.66	3739117.78	6.03E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.39E-07	0.00E+00	0.00E+00	1.99E-07	7.58E-09	1.36E-08	0.00E+00	0.00E+00	2.12E-08
1886	420484.26	3739121.33	6.00E-08	1.38E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.38E-07	0.00E+00	0.00E+00	1.98E-07	7.55E-09	1.35E-08	0.00E+00	0.00E+00	2.11E-08
1887	420492.87	3739124.88	5.98E-08	1.38E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-08	1.38E-07	0.00E+00	0.00E+00	1.97E-07	7.52E-09	1.35E-08	0.00E+00	0.00E+00	2.10E-08
1888	420501.47	3739128.43	5.96E-08	1.37E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-08	1.37E-07	0.00E+00	0.00E+00	1.97E-07	7.49E-09	1.34E-08	0.00E+00	0.00E+00	2.09E-08
1889	420510.07	3739131.98	5.93E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-08	1.37E-07	0.00E+00	0.00E+00	1.96E-07	7.46E-09	1.34E-08	0.00E+00	0.00E+00	2.08E-08
1890	420518.67	3739135.53	5.91E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-08	1.36E-07	0.00E+00	0.00E+00	1.95E-07	7.43E-09	1.33E-08	0.00E+00	0.00E+00	2.07E-08
1891	420527.27	3739139.08	5.88E-08	1.35E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-08	1.35E-07	0.00E+00	0.00E+00	1.94E-07	7.40E-09	1.33E-08	0.00E+00	0.00E+00	2.07E-08
1892	420535.88	3739142.64	5.86E-08	1.35E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-08	1.35E-07	0.00E+00	0.00E+00	1.93E-07	7.36E-09	1.32E-08	0.00E+00	0.00E+00	2.06E-08
1893	420544.48	3739146.19	5.83E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	7.33E-09	1.31E-08	0.00E+00	0.00E+00	2.05E-08
1894	420553.08	3739149.74	5.80E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-08	1.34E-07	0.00E+00	0.00E+00	1.92E-07	7.30E-09	1.31E-08	0.00E+00	0.00E+00	2.04E-08
1895	420561.68	3739153.29	5.77E-08	1.33E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-08	1.33E-07	0.00E+00	0.00E+00	1.91E-07	7.26E

1947	420971.85	3739436.21	4.81E-08	1.11E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-08	1.11E-07	0.00E+00	0.00E+00	1.59E-07	6.05E-09	1.08E-08	0.00E+00	0.00E+00	1.69E-08
1948	420975.44	3739444.8	4.85E-08	1.12E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-08	1.12E-07	0.00E+00	0.00E+00	1.60E-07	6.09E-09	1.09E-08	0.00E+00	0.00E+00	1.70E-08
1949	420979.04	3739453.38	4.87E-08	1.12E-07	0.00E+00	0.00E+00	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-08	1.12E-07	0.00E+00	0.00E+00	1.61E-07	6.13E-09	1.10E-08	0.00E+00	0.00E+00	1.71E-08
1950	420982.63	3739461.97	4.90E-08	1.13E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-08	1.13E-07	0.00E+00	0.00E+00	1.62E-07	6.16E-09	1.10E-08	0.00E+00	0.00E+00	1.72E-08
1951	420986.22	3739470.55	4.92E-08	1.13E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-08	1.13E-07	0.00E+00	0.00E+00	1.62E-07	6.19E-09	1.11E-08	0.00E+00	0.00E+00	1.73E-08
1952	420989.82	3739479.14	4.97E-08	1.14E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-08	1.14E-07	0.00E+00	0.00E+00	1.64E-07	6.25E-09	1.12E-08	0.00E+00	0.00E+00	1.74E-08
1953	420993.41	3739487.72	5.01E-08	1.15E-07	0.00E+00	0.00E+00	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-08	1.15E-07	0.00E+00	0.00E+00	1.66E-07	6.31E-09	1.13E-08	0.00E+00	0.00E+00	1.76E-08
1954	420997	3739496.31	5.06E-08	1.17E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	1.17E-07	0.00E+00	0.00E+00	1.67E-07	6.37E-09	1.14E-08	0.00E+00	0.00E+00	1.78E-08
1955	421000.59	3739504.89	5.12E-08	1.18E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-08	1.18E-07	0.00E+00	0.00E+00	1.69E-07	6.44E-09	1.15E-08	0.00E+00	0.00E+00	1.80E-08
1956	421004.19	3739513.47	5.18E-08	1.19E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-08	1.19E-07	0.00E+00	0.00E+00	1.71E-07	6.51E-09	1.17E-08	0.00E+00	0.00E+00	1.82E-08
1957	421007.78	3739522.06	5.24E-08	1.21E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	1.21E-07	0.00E+00	0.00E+00	1.73E-07	6.59E-09	1.18E-08	0.00E+00	0.00E+00	1.84E-08
1958	421011.37	3739530.64	5.29E-08	1.22E-07	0.00E+00	0.00E+00	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-08	1.22E-07	0.00E+00	0.00E+00	1.75E-07	6.66E-09	1.19E-08	0.00E+00	0.00E+00	1.86E-08
1959	421014.97	3739539.23	5.36E-08	1.23E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-08	1.23E-07	0.00E+00	0.00E+00	1.77E-07	6.74E-09	1.21E-08	0.00E+00	0.00E+00	1.88E-08
1960	421018.56	3739547.81	5.42E-08	1.25E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-08	1.25E-07	0.00E+00	0.00E+00	1.79E-07	6.81E-09	1.22E-08	0.00E+00	0.00E+00	1.90E-08
1961	421022.15	3739556.4	5.48E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-08	1.26E-07	0.00E+00	0.00E+00	1.81E-07	6.89E-09	1.23E-08	0.00E+00	0.00E+00	1.92E-08
1962	421111.98	3739771.01	6.98E-08	1.61E-07	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.61E-07	0.00E+00	0.00E+00	2.31E-07	8.78E-09	1.57E-08	0.00E+00	0.00E+00	2.45E-08
1963	421115.57	3739779.59	7.06E-08	1.63E-07	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-08	1.63E-07	0.00E+00	0.00E+00	2.33E-07	8.88E-09	1.59E-08	0.00E+00	0.00E+00	2.48E-08
1964	421119.16	3739788.17	7.14E-08	1.64E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-08	1.64E-07	0.00E+00	0.00E+00	2.36E-07	8.98E-09	1.61E-08	0.00E+00	0.00E+00	2.51E-08
1965	421122.76	3739796.76	7.21E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	9.07E-09	1.63E-08	0.00E+00	0.00E+00	2.53E-08
1966	421126.35	3739805.34	7.31E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	9.19E-09	1.65E-08	0.00E+00	0.00E+00	2.57E-08
1967	421129.94	3739813.93	7.42E-08	1.71E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-08	1.71E-07	0.00E+00	0.00E+00	2.45E-07	9.33E-09	1.67E-08	0.00E+00	0.00E+00	2.60E-08
1968	421133.54	3739822.51	7.53E-08	1.73E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.73E-07	0.00E+00	0.00E+00	2.49E-07	9.47E-09	1.70E-08	0.00E+00	0.00E+00	2.64E-08
1969	421137.13	3739831.1	7.64E-08	1.76E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-08	1.76E-07	0.00E+00	0.00E+00	2.52E-07	9.61E-09	1.72E-08	0.00E+00	0.00E+00	2.68E-08
1970	421140.72	3739839.68	7.76E-08	1.79E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-08	1.79E-07	0.00E+00	0.00E+00	2.56E-07	9.75E-09	1.75E-08	0.00E+00	0.00E+00	2.72E-08
1971	421144.31	3739848.27	7.86E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	9.89E-09	1.77E-08	0.00E+00	0.00E+00	2.76E-08
1972	421147.91	3739856.85	7.97E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	1.00E-08	1.80E-08	0.00E+00	0.00E+00	2.80E-08
1973	421151.5	3739865.43	8.07E-08	1.86E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-08	1.86E-07	0.00E+00	0.00E+00	2.66E-07	1.01E-08	1.82E-08	0.00E+00	0.00E+00	2.83E-08
1974	421155.09	3739874.02	8.17E-08	1.88E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-08	1.88E-07	0.00E+00	0.00E+00	2.70E-07	1.03E-08	1.84E-08	0.00E+00	0.00E+00	2.87E-08
1975	421158.69	3739882.6	8.26E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
1976	421162.28	3739891.19	8.36E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.94E-08
1977	421165.87	3739899.77	8.45E-08	1.94E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-08	1.94E-07	0.00E+00	0.00E+00	2.79E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.97E-08
1978	421169.47	3739908.36	8.54E-08	1.96E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-08	1.96E-07	0.00E+00	0.00E+00	2.82E-07	1.07E-08	1.92E-08	0.00E+00	0.00E+00	3.00E-08
1979	421173.06	3739916.94	8.62E-08	1.98E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-08	1.98E-07	0.00E+00	0.00E+00	2.85E-07	1.08E-08	1.94E-08	0.00E+00	0.00E+00	3.03E-08
1980	421176.65	3739925.53	8.74E-08	2.01E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-08	2.01E-07	0.00E+00	0.00E+00	2.89E-07	1.10E-08	1.97E-08	0.00E+00	0.00E+00	3.07E-08
1981	421180.24	3739934.11	8.88E-08	2.04E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	2.04E-07	0.00E+00	0.00E+00	2.93E-07	1.12E-08	2.00E-08	0.00E+00	0.00E+00	3.12E-08
1982	421183.84	3739942.69	9.01E-08	2.07E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-08	2.07E-07	0.00E+00	0.00E+00	2.98E-07	1.13E-08	2.03E-08	0.00E+00	0.00E+00	3.16E-08
1983	421187.43	3739951.28	9.14E-08	2.10E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-08	2.10E-07	0.00E+00	0.00E+00	3.02E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.21E-08
1984	421191.02	3739959.86	9.24E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	1.16E-08	2.08E-08	0.00E+00	0.00E+00	3.24E-08
1985	421194.62	3739968.45	9.33E-08	2.15E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-08	2.15E-07	0.00E+00	0.00E+00	3.08E-07	1.17E-08	2.10E-08	0.00E+00	0.00E+00	3.28E-08
1986	421198.21	3739977.03	9.43E-08	2.17E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-08	2.17E-07	0.00E+00	0.00E+00	3.11E-07	1.19E-08	2.13E-08	0.00E+00	0.00E+00	3.31E-08
1987	421201.8	3739985.62	9.53E-08	2.19E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-08	2.19E-07	0.00E+00	0.00E+00	3.15E-07	1.20E-08	2.15E-08	0.00E+00	0.00E+00	3.35E-08
1988	421205.39	3739994.2	9.63E-08	2.22E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-08	2.22E-07	0.00E+00	0.00E+00	3.18E-07	1.21E-08	2.17E-08	0.00E+00	0.00E+00	3.38E-08
1989	420199.63	3739007.71	7.04E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-08	1.62E-07	0.00E+00	0.00E+00	2.32E-07	8.85E-09	1.59E-08	0.00E+00	0.00E+00	2.47E-08
1990	420190.26	3739007.71	7.12E-08	1.64E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.64E-07	0.00E+00	0.00E+00	2.35E-07	8.95E-09	1.60E-08	0.00E+00	0.00E+00	2.50E-08
1991	420180.89	3739007.71	7.21E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-08	1.66E-07	0.00E+00	0.00E+00	2.38E-07	9.07E-09	1.63E-08	0.00E+00	0.00E+00	2.53E-08
1992	420171.52	3739007.71	7.30E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.68E-07	0.00E+00	0.00E+00	2.41E-07	9.18E-09	1.65E-08	0.00E+00	0.00E+00	2.56E-08
1993	420162.15	3739007.71	7.39E-08	1.70E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-08	1.70E-07	0.00E+00	0.00E+00	2.44E-07	9.30E-09	1.67E-08	0.00E+00	0.00E+00	2.60E-08
1994	420152.78	3739007.71	7.48E-08	1.72E-07	0.00E+00	0.00E+00	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-08	1.72E-07	0.00E+00	0.00E+00	2.47E-07	9.41E-09	1.69E-08	0.00E+00	0.00E+00	2.63E-08
1995	420143.41	3739007.71	7.58E-08	1.74E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-08	1.74E-07	0.00E+00	0.00E+00	2.50E-07	9.53E-09	1.71E-08	0.00E+00	0.00E+00	2.66E-08
1996	420134.04	3739007.71	7.67E-08	1.76E-07	0.00E+00	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-08	1.76E-07	0.00E+00	0.00E+00	2.53E-07	9.64E-09	1.73E-08	0.00E+00	0.00E+00	2.69E-08
1997	420124.67	3739007.71	7.77E-08	1.79E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-08	1.79E-07	0.00E+00	0.00E+00	2.56E-07	9.77E-09	1.75E-08	0.00E+00	0.00E+00	2.73E-08
1998	420115.3	3739007.71	7.86E-08	1.81E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-08	1.81E-07	0.00E+00	0.00E+00	2.59E-07	9.88E-09	1.77E-08	0.00E+00	0.00E+00	2.76E-08
1999	420105.93	3739007.71	7.96E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	1.00E-08	1.79E-08	0.00E+00	0.00E+00	2.79E-08
2000	420096.56	3739007.71	8.05E-08	1.85E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-08	1.85E-07	0.00E+00	0.00E+00	2.66E-07	1.01E-08	1.81E-08	0.00E+00	0.00E+00	2.83E-08
2001	420087.19	3739007.71	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	1.02E-08	1.84E-08	0.00E+00	0.00E+00	2.86E-08
2002	420077.82	3739007.71	8.24E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.89E-08
2003	420068.45	3739007.71	8.34E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
2004	420034.42	3739901.86	2.07E-06	4.77E-06	0.00E+00	0.00E+00	6.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-06	4.77E-06	0.00E+00	0.00E+00	6.84E-06	2.61E-07	4.67E-07	0.00E+00	0.00E+00	7.28E-07
2005	420042.92	3739898.32	2.10E-06	4.82E-06	0.00E+00	0.00E+00	6.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-06	4.82E-06	0.00E+00	0.00E+00	6.92E-06	2.64E-07	4.72E-07	0.00E+00	0.00E+00	7.36E-07
2006	420051.43	3739894.79	2.10E-06	4.84E-06	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-06	4.84E-06	0.00E+00	0.00E+00	6.94E-06	2.64E-07	4.73E-07	0.00E+00	0.00E+00	7.38E-07
2007	420059.94	3739891.25	2.09E-06	4.80E-06	0.00E+00	0.00E+00	6.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-06	4.80E-06	0.00E+00	0.00E+00	6.89E-06	2.63E-07	4.70E-07	0.00E+00	0.00E+00	7.33E-07
2008	419994	3739898.67	1.59E-06	3.65E-06	0.00E+00	0.00E+00	5.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	3.65E-06	0.00E+00	0.00E+00	5.24E-06	2.00E-07	3.58E-07	0.00E+00	0.00E+00	5.57E-07
2009	420010.54	3739891.79	1.70E-06	3.90E-06	0.00E+00	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-06	3.90E-06	0.00E+00	0.00E+00	5.60E-06	2.13E-07	3.82E-07	0.00E+00	0.00E+00	5.95E-07
2010	420027.09	3739884.91	1.76E-06	4.05E-06	0.00E+00	0.00E+00	5.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-06	4.05E-06	0.00E+00	0.00E+00	5.81E-06	2.21E-07	3.97E-07	0.00E+00	0.00E+00	6.18E-07
2011	420043.63	3739878.03	1.78E-06	4.10E-06	0.00E+00	0.00E+00	5.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	4.10E-06	0.00E+00	0.00E+00	5.87E-06	2.24E-07	4.01E-07	0.00E+00	0.00E+00	6.25E-07
2012	419951.68	3739903.01	1.18E-06	2.72E-06	0.00E+00	0.00E+00	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	2.72E-06	0.00E+00	0.00E+00	3.91E-06	1.49E-07	2.67E-07	0.00E+00	0.00E+00	4.15E-07
2013	419963.11	3739891.51	1.24E-06	2.84E-06	0.00E+00	0.00E+00	4.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	2.84E-06	0.00E+00	0.00E+00	4.08E-06	1.55E-07	2.79E-07	0.00E+00	0.00E+00	4.34E-07
2014	419979.31	3739884.78	1.34E-06	3.09E-06	0.00E+00	0.00E+00	4.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	3.09E-06	0.00E+00	0.00E+00	4.43E-06	1.69E-07	3.03E-07	0.00E+00	0.00E+00	4.72E-07
2015	419995.52	3739878.04	1.43E-06	3.30E-06	0.00E+00	0.00E+00	4.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-06	3.30E-06	0.00E+00	0.00E+00	4.73E-06	1.80E-07	3.23E-07	0.00E+00	0.00E+00	5.03E-07
2016	420044.14	3739857.82	1.52E-06	3.50E-06	0.00E+00	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	3.50E-06	0.00E+00	0.00E+00	5.02E-06	1.91E-07	3.43E-07	0.00E+00	0.00E+00	5.34E-07
2017	419933.84	3739897.84	1.02E-06	2.36E-06	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	2.36E-06	0.00E+00	0.00E+00	3.38E-06	1.29E-07	2.31E-07	0.00E+00	0.00E+00	3.59E-07
2018	419937.33	3739889.31	1.02E-06	2.36E-06	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	2.36E-06	0.00E+00	0.00E+00	3.38E-06	1.29E-07	2.31E-07	0.00E+00	0.00E+00	3.59E-07
2019	419949.33	3739877.24	1.07E-06	2.46E-06	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	2.46E-06	0.00E+00	0.00E+00	3.53E-06	1.34E-07	2.41E-07	0.00E+00	0.00E+00	3.75E-07
2020	419957.84	3739873.71	1.12E-06	2.57E-06	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	2.57E-06	0.00E+00	0.00E+00	3.68E-06	1.40E-07	2.51E-07	0.00E+00	0.00E+00	3.92E-07
2021	420000.38	3739856.01	1.29E-06	2.98E-06	0.00E+00	0.00E+00	4.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	2.98E-06	0.00E+00	0.00E+00	4.28E-06	1.63E-07	2.92E-07	0.00E+00	0.00E+00	4.55E-07
2022	420008.89	3739852.48	1.31E-06	3.02E-06	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	3.02E-06	0.00E+00	0.00E+00	4.33E-06	1.65E-07	2.96E-07	0.00E+00	0.00E+00	4.61E-07
2023	420017.4	3739848.94	1.32E-06	3.05E-06	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	3.05E-06	0.00E+00	0.00E+00	4.37E-06	1.67E-07	2.98E-07	0.00E+00	0.00E+00	4.65E-07
2024	420042.92	3739838.32	1.32E-06	3.03E-06	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	3.03E-06	0.00E+00	0.00E+00	4.34E-06	1.65E-07	2.97E-07	0.00E+00	0.00E+00	4.62E-07
2025	420051.43	3739834.79	1.30E-06	2.99E-06	0.00E+00	0.00E+00	4.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	2.99E-06	0.00E+00	0.00E+00	4.29E-06	1.63E-07

2077	419856.59	3739891.56	6.18E-07	1.42E-06	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-07	1.42E-06	0.00E+00	0.00E+00	2.04E-06	7.77E-08	1.39E-07	0.00E+00	0.00E+00	2.17E-07
2078	419863.47	3739874.76	6.24E-07	1.44E-06	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-07	1.44E-06	0.00E+00	0.00E+00	2.06E-06	7.85E-08	1.41E-07	0.00E+00	0.00E+00	2.19E-07
2079	419873.78	3739849.56	6.32E-07	1.46E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	1.46E-06	0.00E+00	0.00E+00	2.09E-06	7.95E-08	1.43E-07	0.00E+00	0.00E+00	2.22E-07
2080	419880.66	3739832.77	6.35E-07	1.46E-06	0.00E+00	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-07	1.46E-06	0.00E+00	0.00E+00	2.10E-06	7.98E-08	1.43E-07	0.00E+00	0.00E+00	2.23E-07
2081	419892.48	3739820.88	6.56E-07	1.51E-06	0.00E+00	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-07	1.51E-06	0.00E+00	0.00E+00	2.17E-06	8.26E-08	1.48E-07	0.00E+00	0.00E+00	2.31E-07
2082	419900.86	3739817.4	6.78E-07	1.56E-06	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-07	1.56E-06	0.00E+00	0.00E+00	2.24E-06	8.53E-08	1.53E-07	0.00E+00	0.00E+00	2.38E-07
2083	419909.24	3739813.91	6.99E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	8.80E-08	1.58E-07	0.00E+00	0.00E+00	2.46E-07
2084	419917.62	3739810.43	7.21E-07	1.66E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-07	1.66E-06	0.00E+00	0.00E+00	2.38E-06	9.07E-08	1.63E-07	0.00E+00	0.00E+00	2.53E-07
2085	419926	3739806.95	7.42E-07	1.71E-06	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-07	1.71E-06	0.00E+00	0.00E+00	2.45E-06	9.34E-08	1.67E-07	0.00E+00	0.00E+00	2.61E-07
2086	419934.38	3739803.46	7.63E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	9.60E-08	1.72E-07	0.00E+00	0.00E+00	2.68E-07
2087	419942.76	3739799.98	7.82E-07	1.80E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-07	1.80E-06	0.00E+00	0.00E+00	2.58E-06	9.84E-08	1.76E-07	0.00E+00	0.00E+00	2.75E-07
2088	419951.13	3739796.49	7.98E-07	1.84E-06	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-07	1.84E-06	0.00E+00	0.00E+00	2.64E-06	1.00E-07	1.80E-07	0.00E+00	0.00E+00	2.80E-07
2089	419959.51	3739793.01	8.12E-07	1.87E-06	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-07	1.87E-06	0.00E+00	0.00E+00	2.68E-06	1.02E-07	1.83E-07	0.00E+00	0.00E+00	2.85E-07
2090	419967.89	3739789.52	8.24E-07	1.90E-06	0.00E+00	0.00E+00	2.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-07	1.90E-06	0.00E+00	0.00E+00	2.72E-06	1.04E-07	1.86E-07	0.00E+00	0.00E+00	2.89E-07
2091	420018.17	3739768.62	8.35E-07	1.92E-06	0.00E+00	0.00E+00	2.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-07	1.92E-06	0.00E+00	0.00E+00	2.76E-06	1.05E-07	1.88E-07	0.00E+00	0.00E+00	2.93E-07
2092	420034.93	3739761.65	8.14E-07	1.87E-06	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-07	1.87E-06	0.00E+00	0.00E+00	2.69E-06	1.02E-07	1.84E-07	0.00E+00	0.00E+00	2.86E-07
2093	420043.31	3739758.16	7.99E-07	1.84E-06	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-07	1.84E-06	0.00E+00	0.00E+00	2.64E-06	1.00E-07	1.80E-07	0.00E+00	0.00E+00	2.81E-07
2094	420051.69	3739754.68	7.81E-07	1.80E-06	0.00E+00	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-07	1.80E-06	0.00E+00	0.00E+00	2.58E-06	9.83E-08	1.76E-07	0.00E+00	0.00E+00	2.74E-07
2095	420060.07	3739751.19	7.61E-07	1.75E-06	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-07	1.75E-06	0.00E+00	0.00E+00	2.51E-06	9.58E-08	1.72E-07	0.00E+00	0.00E+00	2.67E-07
2096	419830.96	3739905.43	5.45E-07	1.25E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	1.25E-06	0.00E+00	0.00E+00	1.80E-06	6.86E-08	1.23E-07	0.00E+00	0.00E+00	1.91E-07
2097	419834.5	3739896.78	5.49E-07	1.26E-06	0.00E+00	0.00E+00	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	1.26E-06	0.00E+00	0.00E+00	1.81E-06	6.90E-08	1.24E-07	0.00E+00	0.00E+00	1.93E-07
2098	419838.04	3739888.13	5.52E-07	1.27E-06	0.00E+00	0.00E+00	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	1.27E-06	0.00E+00	0.00E+00	1.82E-06	6.94E-08	1.24E-07	0.00E+00	0.00E+00	1.94E-07
2099	419841.58	3739879.48	5.55E-07	1.28E-06	0.00E+00	0.00E+00	1.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-07	1.28E-06	0.00E+00	0.00E+00	1.83E-06	6.98E-08	1.25E-07	0.00E+00	0.00E+00	1.95E-07
2100	419845.12	3739870.83	5.57E-07	1.28E-06	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	1.28E-06	0.00E+00	0.00E+00	1.84E-06	7.01E-08	1.26E-07	0.00E+00	0.00E+00	1.96E-07
2101	419852.21	3739853.52	5.63E-07	1.30E-06	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-07	1.30E-06	0.00E+00	0.00E+00	1.86E-06	7.08E-08	1.27E-07	0.00E+00	0.00E+00	1.98E-07
2102	419855.75	3739844.87	5.66E-07	1.30E-06	0.00E+00	0.00E+00	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-07	1.30E-06	0.00E+00	0.00E+00	1.87E-06	7.12E-08	1.28E-07	0.00E+00	0.00E+00	1.99E-07
2103	419859.29	3739836.22	5.69E-07	1.31E-06	0.00E+00	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	1.31E-06	0.00E+00	0.00E+00	1.88E-06	7.16E-08	1.28E-07	0.00E+00	0.00E+00	2.00E-07
2104	419862.83	3739827.57	5.71E-07	1.31E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-07	1.31E-06	0.00E+00	0.00E+00	1.89E-06	7.18E-08	1.29E-07	0.00E+00	0.00E+00	2.01E-07
2105	419866.37	3739818.92	5.73E-07	1.32E-06	0.00E+00	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-07	1.32E-06	0.00E+00	0.00E+00	1.89E-06	7.21E-08	1.29E-07	0.00E+00	0.00E+00	2.01E-07
2106	419878.55	3739806.68	5.95E-07	1.37E-06	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-07	1.37E-06	0.00E+00	0.00E+00	1.96E-06	7.48E-08	1.34E-07	0.00E+00	0.00E+00	2.09E-07
2107	419887.18	3739803.09	6.14E-07	1.41E-06	0.00E+00	0.00E+00	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	1.41E-06	0.00E+00	0.00E+00	2.03E-06	7.72E-08	1.38E-07	0.00E+00	0.00E+00	2.16E-07
2108	419895.81	3739799.5	6.33E-07	1.46E-06	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-07	1.46E-06	0.00E+00	0.00E+00	2.09E-06	7.96E-08	1.43E-07	0.00E+00	0.00E+00	2.22E-07
2109	419904.44	3739795.91	6.51E-07	1.50E-06	0.00E+00	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-07	1.50E-06	0.00E+00	0.00E+00	2.15E-06	8.19E-08	1.47E-07	0.00E+00	0.00E+00	2.29E-07
2110	419913.08	3739792.32	6.70E-07	1.54E-06	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-07	1.54E-06	0.00E+00	0.00E+00	2.21E-06	8.43E-08	1.51E-07	0.00E+00	0.00E+00	2.35E-07
2111	419964.87	3739770.78	7.56E-07	1.74E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	1.74E-06	0.00E+00	0.00E+00	2.50E-06	9.51E-08	1.70E-07	0.00E+00	0.00E+00	2.65E-07
2112	419973.5	3739767.19	7.63E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	9.59E-08	1.72E-07	0.00E+00	0.00E+00	2.68E-07
2113	419982.13	3739763.6	7.67E-07	1.76E-06	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-07	1.76E-06	0.00E+00	0.00E+00	2.53E-06	9.64E-08	1.73E-07	0.00E+00	0.00E+00	2.69E-07
2114	419990.76	3739760.01	7.68E-07	1.77E-06	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-07	1.77E-06	0.00E+00	0.00E+00	2.54E-06	9.66E-08	1.73E-07	0.00E+00	0.00E+00	2.70E-07
2115	419999.39	3739756.42	7.67E-07	1.76E-06	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-07	1.76E-06	0.00E+00	0.00E+00	2.53E-06	9.64E-08	1.73E-07	0.00E+00	0.00E+00	2.69E-07
2116	420008.03	3739752.84	7.63E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-07	1.76E-06	0.00E+00	0.00E+00	2.52E-06	9.59E-08	1.72E-07	0.00E+00	0.00E+00	2.68E-07
2117	420016.66	3739749.25	7.56E-07	1.74E-06	0.00E+00	0.00E+00	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	1.74E-06	0.00E+00	0.00E+00	2.50E-06	9.50E-08	1.70E-07	0.00E+00	0.00E+00	2.65E-07
2118	420025.29	3739745.66	7.46E-07	1.72E-06	0.00E+00	0.00E+00	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	1.72E-06	0.00E+00	0.00E+00	2.46E-06	9.38E-08	1.68E-07	0.00E+00	0.00E+00	2.62E-07
2119	420033.92	3739742.07	7.33E-07	1.69E-06	0.00E+00	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	1.69E-06	0.00E+00	0.00E+00	2.42E-06	9.22E-08	1.65E-07	0.00E+00	0.00E+00	2.58E-07
2120	420042.55	3739738.48	7.18E-07	1.65E-06	0.00E+00	0.00E+00	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-07	1.65E-06	0.00E+00	0.00E+00	2.37E-06	9.03E-08	1.62E-07	0.00E+00	0.00E+00	2.52E-07
2121	420051.19	3739734.89	7.01E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	8.82E-08	1.58E-07	0.00E+00	0.00E+00	2.46E-07
2122	420059.82	3739731.3	6.82E-07	1.57E-06	0.00E+00	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	1.57E-06	0.00E+00	0.00E+00	2.25E-06	8.58E-08	1.54E-07	0.00E+00	0.00E+00	2.39E-07
2123	419813.84	3739898.5	4.93E-07	1.13E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-07	1.13E-06	0.00E+00	0.00E+00	1.63E-06	6.19E-08	1.11E-07	0.00E+00	0.00E+00	1.73E-07
2124	419817.33	3739889.97	4.95E-07	1.14E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	1.14E-06	0.00E+00	0.00E+00	1.63E-06	6.23E-08	1.12E-07	0.00E+00	0.00E+00	1.74E-07
2125	419820.82	3739881.44	4.97E-07	1.14E-06	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	1.14E-06	0.00E+00	0.00E+00	1.64E-06	6.26E-08	1.12E-07	0.00E+00	0.00E+00	1.75E-07
2126	419824.31	3739872.91	5.00E-07	1.15E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-07	1.15E-06	0.00E+00	0.00E+00	1.65E-06	6.28E-08	1.13E-07	0.00E+00	0.00E+00	1.75E-07
2127	419834.79	3739847.33	5.09E-07	1.17E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	1.17E-06	0.00E+00	0.00E+00	1.68E-06	6.40E-08	1.15E-07	0.00E+00	0.00E+00	1.79E-07
2128	419838.28	3739838.8	5.12E-07	1.18E-06	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-07	1.18E-06	0.00E+00	0.00E+00	1.69E-06	6.44E-08	1.15E-07	0.00E+00	0.00E+00	1.80E-07
2129	419841.77	3739830.27	5.15E-07	1.19E-06	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	1.19E-06	0.00E+00	0.00E+00	1.70E-06	6.48E-08	1.16E-07	0.00E+00	0.00E+00	1.81E-07
2130	419845.26	3739821.75	5.18E-07	1.19E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-07	1.19E-06	0.00E+00	0.00E+00	1.71E-06	6.51E-08	1.17E-07	0.00E+00	0.00E+00	1.82E-07
2131	419848.75	3739813.22	5.20E-07	1.20E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	1.20E-06	0.00E+00	0.00E+00	1.72E-06	6.55E-08	1.17E-07	0.00E+00	0.00E+00	1.83E-07
2132	419852.24	3739804.69	5.22E-07	1.20E-06	0.00E+00	0.00E+00	1.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-07	1.20E-06	0.00E+00	0.00E+00	1.72E-06	6.57E-08	1.18E-07	0.00E+00	0.00E+00	1.83E-07
2133	419864.24	3739792.62	5.41E-07	1.25E-06	0.00E+00	0.00E+00	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	1.25E-06	0.00E+00	0.00E+00	1.79E-06	6.80E-08	1.22E-07	0.00E+00	0.00E+00	1.90E-07
2134	419915.3	3739771.4	6.39E-07	1.47E-06	0.00E+00	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-07	1.47E-06	0.00E+00	0.00E+00	2.11E-06	8.04E-08	1.44E-07	0.00E+00	0.00E+00	2.24E-07
2135	419923.8	3739767.86	6.53E-07	1.50E-06	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-07	1.50E-06	0.00E+00	0.00E+00	2.16E-06	8.21E-08	1.47E-07	0.00E+00	0.00E+00	2.29E-07
2136	419932.31	3739764.32	6.65E-07	1.53E-06	0.00E+00	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-07	1.53E-06	0.00E+00	0.00E+00	2.20E-06	8.37E-08	1.50E-07	0.00E+00	0.00E+00	2.34E-07
2137	419940.82	3739760.78	6.76E-07	1.56E-06	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-07	1.56E-06	0.00E+00	0.00E+00	2.23E-06	8.51E-08	1.52E-07	0.00E+00	0.00E+00	2.37E-07
2138	419949.33	3739757.24	6.86E-07	1.58E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-07	1.58E-06	0.00E+00	0.00E+00	2.26E-06	8.63E-08	1.55E-07	0.00E+00	0.00E+00	2.41E-07
2139	419957.84	3739753.71	6.94E-07	1.60E-06	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-07	1.60E-06	0.00E+00	0.00E+00	2.29E-06	8.73E-08	1.56E-07	0.00E+00	0.00E+00	2.44E-07
2140	419966.35	3739750.17	7.00E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	8.80E-08	1.58E-07	0.00E+00	0.00E+00	2.46E-07
2141	419974.86	3739746.63	7.03E-07	1.62E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-07	1.62E-06	0.00E+00	0.00E+00	2.32E-06	8.85E-08	1.59E-07	0.00E+00	0.00E+00	2.47E-07
2142	419983.36	3739743.09	7.04E-07	1.62E-06	0.00E+00	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-07	1.62E-06	0.00E+00	0.00E+00	2.33E-06	8.86E-08	1.59E-07	0.00E+00	0.00E+00	2.47E-07
2143	419991.87	3739739.55	7.03E-07	1.62E-06	0.00E+00	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-07	1.62E-06	0.00E+00	0.00E+00	2.32E-06	8.84E-08	1.58E-07	0.00E+00	0.00E+00	2.47E-07
2144	420000.38	3739736.01	6.99E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-07	1.61E-06	0.00E+00	0.00E+00	2.31E-06	8.79E-08	1.57E-07	0.00E+00	0.00E+00	2.45E-07
2145	420008.89	3739732.48	6.92E-07	1.59E-06	0.00E+00	0.00E+00	2.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-07	1.59E-06	0.00E+00	0.00E+00	2.28E-06	8.70E-08	1.56E-07	0.00E+00	0.00E+00	2.43E-07
2146	420017.4	3739728.94	6.83E-07	1.57E-06	0.00E+00	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	1.57E-06	0.00E+00	0.00E+00	2.26E-06	8.59E-08	1.54E-07	0.00E+00	0.00E+00	2.40E-07
2147	420025.91	3739725.4	6.72E-07	1.55E-06	0.00E+00	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-07	1.55E-06	0.00E+00	0.00E+00	2.22E-06	8.45E-08	1.52E-07	0.00E+00	0.00E+00	2.36E-07
2148	420034.42	3739721.86	6.60E-07	1.52E-06	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-07	1.52E-06	0.00E+00	0.00E+00	2.18E-06	8.30E-08	1.49E-07	0.00E+00	0.00E+00	2.32E-07
2149	420042.92	3739718.32	6.45E-07	1.49E-06	0.00E+00	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-07	1.49E-06	0.00E+00	0.00E+00	2.13E-06	8.11E-08	1.45E-07	0.00E+00	0.00E+00	2.27E-07
2150	420051.43	3739714.79	6.29E-07	1.45E-06	0.00E+00	0.00E+00	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-07	1.45E-06	0.00E+00	0.00E+00	2.08E-06	7.92E-08	1.42E-07	0.00E+00	0.00E+00	2.21E-07
2151	420059.94	3739711.25	6.12E-07	1.41E-06	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-07	1.41E-06	0.00E+00	0.00E+00	2.02E-06	7.70E-08	1.38E-07	0.00E+00	0.00E+00	2.15E-07
2152	419806.02	3739844.49	4.43E-07	1.02E-06	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	1.02E-06	0.00E+00	0.00E+00	1.46E-06	5.57E-08	9.98E-08	0.00E+00	0.00E+00	1.56E-07
2153	419809.57	3739835.81	4.46E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	5.61E-08	1.00E-07	0.00E+00	0.00E+00	1.57E-07
2154	419813.13	3739827.12	4.48E-07	1.03E-06	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-07	1.03E-06	0.00E+00	0.00E+00	1.48E-06	5.64E-08	1.01E-07	0.00E+00	0.00E+00	1.57E-07
2155	419816.68	3739818.44	4.51E-07	1.04E-06	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	1.04E-06	0.00E+00	0.00E+00	1.49E-06	5.67E

2207	419983.36	3739683.09	5.45E-07	1.25E-06	0.00E+00	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-07	1.25E-06	0.00E+00	0.00E+00	1.80E-06	6.85E-08	1.23E-07	0.00E+00	0.00E+00	1.91E-07
2208	419991.87	3739679.55	5.40E-07	1.24E-06	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-07	1.24E-06	0.00E+00	0.00E+00	1.78E-06	6.79E-08	1.22E-07	0.00E+00	0.00E+00	1.90E-07
2209	420000.38	3739676.01	5.34E-07	1.23E-06	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	1.23E-06	0.00E+00	0.00E+00	1.76E-06	6.72E-08	1.20E-07	0.00E+00	0.00E+00	1.88E-07
2210	420008.89	3739672.48	5.27E-07	1.21E-06	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	1.21E-06	0.00E+00	0.00E+00	1.74E-06	6.63E-08	1.19E-07	0.00E+00	0.00E+00	1.85E-07
2211	420017.4	3739668.94	5.19E-07	1.19E-06	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	1.19E-06	0.00E+00	0.00E+00	1.71E-06	6.52E-08	1.17E-07	0.00E+00	0.00E+00	1.82E-07
2212	420025.91	3739665.4	5.09E-07	1.17E-06	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	1.17E-06	0.00E+00	0.00E+00	1.68E-06	6.40E-08	1.15E-07	0.00E+00	0.00E+00	1.79E-07
2213	420034.42	3739661.86	4.99E-07	1.15E-06	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-07	1.15E-06	0.00E+00	0.00E+00	1.65E-06	6.27E-08	1.12E-07	0.00E+00	0.00E+00	1.75E-07
2214	420042.92	3739658.32	4.87E-07	1.12E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	1.12E-06	0.00E+00	0.00E+00	1.61E-06	6.13E-08	1.10E-07	0.00E+00	0.00E+00	1.71E-07
2215	420051.43	3739654.79	4.75E-07	1.09E-06	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-07	1.09E-06	0.00E+00	0.00E+00	1.57E-06	5.97E-08	1.07E-07	0.00E+00	0.00E+00	1.67E-07
2216	420059.94	3739651.25	4.62E-07	1.06E-06	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-07	1.06E-06	0.00E+00	0.00E+00	1.52E-06	5.81E-08	1.04E-07	0.00E+00	0.00E+00	1.62E-07
2217	419800.56	3739729.1	3.74E-07	8.60E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	8.60E-07	0.00E+00	0.00E+00	1.23E-06	4.70E-08	8.42E-08	0.00E+00	0.00E+00	1.31E-07
2218	419809.2	3739725.51	3.85E-07	8.86E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	8.86E-07	0.00E+00	0.00E+00	1.27E-06	4.84E-08	8.67E-08	0.00E+00	0.00E+00	1.35E-07
2219	419817.85	3739721.92	3.96E-07	9.12E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	9.12E-07	0.00E+00	0.00E+00	1.31E-06	4.98E-08	8.93E-08	0.00E+00	0.00E+00	1.39E-07
2220	419826.49	3739718.32	4.07E-07	9.37E-07	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	9.37E-07	0.00E+00	0.00E+00	1.34E-06	5.12E-08	9.17E-08	0.00E+00	0.00E+00	1.43E-07
2221	419835.13	3739714.73	4.17E-07	9.61E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	9.61E-07	0.00E+00	0.00E+00	1.38E-06	5.25E-08	9.41E-08	0.00E+00	0.00E+00	1.47E-07
2222	419843.77	3739711.14	4.28E-07	9.84E-07	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	9.84E-07	0.00E+00	0.00E+00	1.41E-06	5.38E-08	9.64E-08	0.00E+00	0.00E+00	1.50E-07
2223	419852.41	3739707.54	4.37E-07	1.01E-06	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-07	1.01E-06	0.00E+00	0.00E+00	1.44E-06	5.50E-08	9.85E-08	0.00E+00	0.00E+00	1.53E-07
2224	419861.05	3739703.95	4.45E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	5.60E-08	1.00E-07	0.00E+00	0.00E+00	1.56E-07
2225	419869.69	3739700.36	4.53E-07	1.04E-06	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	1.04E-06	0.00E+00	0.00E+00	1.50E-06	5.70E-08	1.02E-07	0.00E+00	0.00E+00	1.59E-07
2226	419878.34	3739696.76	4.61E-07	1.06E-06	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	1.06E-06	0.00E+00	0.00E+00	1.52E-06	5.80E-08	1.04E-07	0.00E+00	0.00E+00	1.62E-07
2227	419886.98	3739693.17	4.68E-07	1.08E-06	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	1.08E-06	0.00E+00	0.00E+00	1.55E-06	5.89E-08	1.06E-07	0.00E+00	0.00E+00	1.65E-07
2228	419895.62	3739689.58	4.76E-07	1.09E-06	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-07	1.09E-06	0.00E+00	0.00E+00	1.57E-06	5.98E-08	1.07E-07	0.00E+00	0.00E+00	1.67E-07
2229	419904.26	3739685.98	4.82E-07	1.11E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	1.11E-06	0.00E+00	0.00E+00	1.59E-06	6.06E-08	1.09E-07	0.00E+00	0.00E+00	1.69E-07
2230	419912.9	3739682.39	4.87E-07	1.12E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-07	1.12E-06	0.00E+00	0.00E+00	1.61E-06	6.12E-08	1.10E-07	0.00E+00	0.00E+00	1.71E-07
2231	419921.54	3739678.8	4.90E-07	1.13E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-07	1.13E-06	0.00E+00	0.00E+00	1.62E-06	6.17E-08	1.11E-07	0.00E+00	0.00E+00	1.72E-07
2232	419930.19	3739675.2	4.93E-07	1.13E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-07	1.13E-06	0.00E+00	0.00E+00	1.63E-06	6.20E-08	1.11E-07	0.00E+00	0.00E+00	1.73E-07
2233	419938.83	3739671.61	4.94E-07	1.14E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	1.14E-06	0.00E+00	0.00E+00	1.63E-06	6.21E-08	1.11E-07	0.00E+00	0.00E+00	1.73E-07
2234	419947.47	3739668.02	4.94E-07	1.14E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	1.14E-06	0.00E+00	0.00E+00	1.63E-06	6.22E-08	1.11E-07	0.00E+00	0.00E+00	1.74E-07
2235	419956.11	3739664.42	4.94E-07	1.14E-06	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	1.14E-06	0.00E+00	0.00E+00	1.63E-06	6.21E-08	1.11E-07	0.00E+00	0.00E+00	1.73E-07
2236	419964.75	3739660.83	4.92E-07	1.13E-06	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	1.13E-06	0.00E+00	0.00E+00	1.62E-06	6.18E-08	1.11E-07	0.00E+00	0.00E+00	1.73E-07
2237	419973.39	3739657.24	4.89E-07	1.13E-06	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	1.13E-06	0.00E+00	0.00E+00	1.61E-06	6.15E-08	1.10E-07	0.00E+00	0.00E+00	1.72E-07
2238	419982.03	3739653.64	4.85E-07	1.12E-06	0.00E+00	0.00E+00	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	1.12E-06	0.00E+00	0.00E+00	1.60E-06	6.10E-08	1.09E-07	0.00E+00	0.00E+00	1.70E-07
2239	419990.68	3739650.05	4.81E-07	1.11E-06	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	1.11E-06	0.00E+00	0.00E+00	1.59E-06	6.04E-08	1.08E-07	0.00E+00	0.00E+00	1.69E-07
2240	419999.32	3739646.46	4.75E-07	1.09E-06	0.00E+00	0.00E+00	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-07	1.09E-06	0.00E+00	0.00E+00	1.57E-06	5.97E-08	1.07E-07	0.00E+00	0.00E+00	1.67E-07
2241	420007.96	3739642.86	4.68E-07	1.08E-06	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	1.08E-06	0.00E+00	0.00E+00	1.55E-06	5.89E-08	1.05E-07	0.00E+00	0.00E+00	1.64E-07
2242	420016.6	3739639.27	4.60E-07	1.06E-06	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	1.06E-06	0.00E+00	0.00E+00	1.52E-06	5.79E-08	1.04E-07	0.00E+00	0.00E+00	1.62E-07
2243	420025.24	3739635.68	4.51E-07	1.04E-06	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	1.04E-06	0.00E+00	0.00E+00	1.49E-06	5.68E-08	1.02E-07	0.00E+00	0.00E+00	1.58E-07
2244	420033.88	3739632.08	4.42E-07	1.02E-06	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	1.02E-06	0.00E+00	0.00E+00	1.46E-06	5.56E-08	9.96E-08	0.00E+00	0.00E+00	1.55E-07
2245	420042.53	3739628.49	4.32E-07	9.94E-07	0.00E+00	0.00E+00	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	9.94E-07	0.00E+00	0.00E+00	1.43E-06	5.43E-08	9.73E-08	0.00E+00	0.00E+00	1.52E-07
2246	420051.17	3739624.9	4.21E-07	9.69E-07	0.00E+00	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-07	9.69E-07	0.00E+00	0.00E+00	1.39E-06	5.29E-08	9.49E-08	0.00E+00	0.00E+00	1.48E-07
2247	420059.81	3739621.3	4.10E-07	9.44E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	9.44E-07	0.00E+00	0.00E+00	1.35E-06	5.16E-08	9.24E-08	0.00E+00	0.00E+00	1.44E-07
2248	419749.7	3739762.71	3.19E-07	7.35E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	7.35E-07	0.00E+00	0.00E+00	1.05E-06	4.01E-08	7.19E-08	0.00E+00	0.00E+00	1.12E-07
2249	419753.19	3739754.18	3.20E-07	7.36E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	7.36E-07	0.00E+00	0.00E+00	1.06E-06	4.02E-08	7.21E-08	0.00E+00	0.00E+00	1.12E-07
2250	419756.68	3739745.65	3.20E-07	7.37E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	7.37E-07	0.00E+00	0.00E+00	1.06E-06	4.03E-08	7.22E-08	0.00E+00	0.00E+00	1.12E-07
2251	419760.18	3739737.13	3.21E-07	7.40E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	7.40E-07	0.00E+00	0.00E+00	1.06E-06	4.04E-08	7.24E-08	0.00E+00	0.00E+00	1.13E-07
2252	419763.67	3739728.6	3.23E-07	7.44E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	7.44E-07	0.00E+00	0.00E+00	1.07E-06	4.07E-08	7.29E-08	0.00E+00	0.00E+00	1.14E-07
2253	419767.16	3739720.07	3.25E-07	7.48E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	7.48E-07	0.00E+00	0.00E+00	1.07E-06	4.09E-08	7.32E-08	0.00E+00	0.00E+00	1.14E-07
2254	419796.18	3739700.93	3.54E-07	8.14E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	8.14E-07	0.00E+00	0.00E+00	1.17E-06	4.45E-08	7.97E-08	0.00E+00	0.00E+00	1.24E-07
2255	419804.68	3739697.39	3.63E-07	8.35E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	8.35E-07	0.00E+00	0.00E+00	1.20E-06	4.56E-08	8.17E-08	0.00E+00	0.00E+00	1.27E-07
2256	419813.19	3739693.85	3.72E-07	8.55E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	8.55E-07	0.00E+00	0.00E+00	1.23E-06	4.67E-08	8.38E-08	0.00E+00	0.00E+00	1.30E-07
2257	419821.7	3739690.31	3.80E-07	8.75E-07	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	8.75E-07	0.00E+00	0.00E+00	1.26E-06	4.78E-08	8.57E-08	0.00E+00	0.00E+00	1.34E-07
2258	419830.21	3739686.78	3.88E-07	8.94E-07	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	8.94E-07	0.00E+00	0.00E+00	1.28E-06	4.89E-08	8.75E-08	0.00E+00	0.00E+00	1.36E-07
2259	419838.72	3739683.24	3.96E-07	9.12E-07	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	9.12E-07	0.00E+00	0.00E+00	1.31E-06	4.98E-08	8.93E-08	0.00E+00	0.00E+00	1.39E-07
2260	419847.23	3739679.7	4.03E-07	9.29E-07	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	9.29E-07	0.00E+00	0.00E+00	1.33E-06	5.07E-08	9.09E-08	0.00E+00	0.00E+00	1.42E-07
2261	419855.74	3739676.16	4.11E-07	9.46E-07	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	9.46E-07	0.00E+00	0.00E+00	1.36E-06	5.17E-08	9.26E-08	0.00E+00	0.00E+00	1.44E-07
2262	419864.24	3739672.62	4.18E-07	9.62E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	9.62E-07	0.00E+00	0.00E+00	1.38E-06	5.25E-08	9.42E-08	0.00E+00	0.00E+00	1.47E-07
2263	419872.75	3739669.09	4.24E-07	9.76E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	9.76E-07	0.00E+00	0.00E+00	1.40E-06	5.33E-08	9.56E-08	0.00E+00	0.00E+00	1.49E-07
2264	419881.26	3739665.55	4.30E-07	9.89E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	9.89E-07	0.00E+00	0.00E+00	1.42E-06	5.40E-08	9.69E-08	0.00E+00	0.00E+00	1.51E-07
2265	419889.77	3739662.01	4.35E-07	1.00E-06	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-07	1.00E-06	0.00E+00	0.00E+00	1.44E-06	5.47E-08	9.80E-08	0.00E+00	0.00E+00	1.53E-07
2266	419898.28	3739658.47	4.39E-07	1.01E-06	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	1.01E-06	0.00E+00	0.00E+00	1.45E-06	5.52E-08	9.90E-08	0.00E+00	0.00E+00	1.54E-07
2267	419906.79	3739654.93	4.43E-07	1.02E-06	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	1.02E-06	0.00E+00	0.00E+00	1.46E-06	5.57E-08	9.98E-08	0.00E+00	0.00E+00	1.55E-07
2268	419915.3	3739651.4	4.45E-07	1.02E-06	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-07	1.02E-06	0.00E+00	0.00E+00	1.47E-06	5.60E-08	1.00E-07	0.00E+00	0.00E+00	1.56E-07
2269	419923.8	3739647.86	4.46E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	5.61E-08	1.01E-07	0.00E+00	0.00E+00	1.57E-07
2270	419932.31	3739644.32	4.47E-07	1.03E-06	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	1.03E-06	0.00E+00	0.00E+00	1.48E-06	5.62E-08	1.01E-07	0.00E+00	0.00E+00	1.57E-07
2271	419940.82	3739640.78	4.47E-07	1.03E-06	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	1.03E-06	0.00E+00	0.00E+00	1.48E-06	5.62E-08	1.01E-07	0.00E+00	0.00E+00	1.57E-07
2272	419949.33	3739637.24	4.46E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	1.03E-06	0.00E+00	0.00E+00	1.47E-06	5.61E-08	1.01E-07	0.00E+00	0.00E+00	1.57E-07
2273	419957.84	3739633.71	4.45E-07	1.02E-06	0.00E+00	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-07	1.02E-06	0.00E+00	0.00E+00	1.47E-06	5.59E-08	1.00E-07	0.00E+00	0.00E+00	1.56E-07
2274	419966.35	3739630.17	4.42E-07	1.02E-06	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	1.02E-06	0.00E+00	0.00E+00	1.46E-06	5.56E-08	9.97E-08	0.00E+00	0.00E+00	1.55E-07
2275	419974.86	3739626.63	4.39E-07	1.01E-06	0.00E+00	0.00E+00	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	1.01E-06	0.00E+00	0.00E+00	1.45E-06	5.52E-08	9.89E-08	0.00E+00	0.00E+00	1.54E-07
2276	419983.36	3739623.09	4.35E-07	1.00E-06	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-07	1.00E-06	0.00E+00	0.00E+00	1.44E-06	5.47E-08	9.80E-08	0.00E+00	0.00E+00	1.53E-07
2277	419991.87	3739619.55	4.30E-07	9.89E-07	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-07	9.89E-07	0.00E+00	0.00E+00	1.42E-06	5.40E-08	9.68E-08	0.00E+00	0.00E+00	1.51E-07
2278	420000.38	3739616.01	4.24E-07	9.75E-07	0.00E+00	0.00E+00	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	9.75E-07	0.00E+00	0.00E+00	1.40E-06	5.33E-08	9.55E-08	0.00E+00	0.00E+00	1.49E-07
2279	420008.89	3739612.48	4.17E-07	9.59E-07	0.00E+00	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	9.59E-07	0.00E+00	0.00E+00	1.38E-06	5.24E-08	9.39E-08	0.00E+00	0.00E+00	1.46E-07
2280	420017.4	3739608.94	4.09E-07	9.42E-07	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	9.42E-07	0.00E+00	0.00E+00	1.35E-06	5.15E-08	9.22E-08	0.00E+00	0.00E+00	1.44E-07
2281	420025.91	3739605.4	4.01E-07	9.23E-07	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	9.23E-07	0.00E+00	0.00E+00	1.32E-06	5.04E-08	9.04E-08	0.00E+00	0.00E+00	1.41E-07
2282	420034.42	3739601.86	3.92E-07	9.03E-07	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	9.03E-07	0.00E+00	0.00E+00	1.30E-06	4.93E-08	8.84E-08	0.00E+00	0.00E+00	1.38E-07
2283	420042.92	3739598.32	3.83E-07	8.82E-07	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	8.82E-07	0.00E+00	0.00E+00	1.27E-06	4.82E-08	8.64E-08	0.00E+00	0.00E+00	1.35E-07
2284	420051.43	3739594.79	3.74E-07	8.60E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	8.60E-07	0.00E+00	0.00E+00	1.23E-06	4.70E-08	8.42E-08	0.00E+00	0.00E+00	1.31E-07
2285	420059.94	3739591.25	3.64E-07	8.38E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	8.38E-07	0.00E+00	0.00E+00	1.20E-06	4.

2337	419736.62	3739665.7	2.76E-07	6.35E-07	0.00E+00	0.00E+00	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	6.35E-07	0.00E+00	0.00E+00	9.11E-07	3.47E-08	6.22E-08	0.00E+00	0.00E+00	9.69E-08
2338	419745.12	3739662.16	2.82E-07	6.50E-07	0.00E+00	0.00E+00	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	6.50E-07	0.00E+00	0.00E+00	9.32E-07	3.55E-08	6.36E-08	0.00E+00	0.00E+00	9.91E-08
2339	419753.63	3739658.62	2.89E-07	6.65E-07	0.00E+00	0.00E+00	9.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	6.65E-07	0.00E+00	0.00E+00	9.53E-07	3.63E-08	6.51E-08	0.00E+00	0.00E+00	1.01E-07
2340	419762.14	3739655.08	2.95E-07	6.79E-07	0.00E+00	0.00E+00	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	6.79E-07	0.00E+00	0.00E+00	9.74E-07	3.71E-08	6.65E-08	0.00E+00	0.00E+00	1.04E-07
2341	419796.18	3739640.93	3.21E-07	7.38E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	7.38E-07	0.00E+00	0.00E+00	1.06E-06	4.03E-08	7.23E-08	0.00E+00	0.00E+00	1.13E-07
2342	419804.68	3739637.39	3.27E-07	7.53E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	7.53E-07	0.00E+00	0.00E+00	1.08E-06	4.11E-08	7.37E-08	0.00E+00	0.00E+00	1.15E-07
2343	419813.19	3739633.85	3.33E-07	7.67E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	7.67E-07	0.00E+00	0.00E+00	1.10E-06	4.19E-08	7.51E-08	0.00E+00	0.00E+00	1.17E-07
2344	419821.7	3739630.31	3.39E-07	7.81E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	7.81E-07	0.00E+00	0.00E+00	1.12E-06	4.27E-08	7.65E-08	0.00E+00	0.00E+00	1.19E-07
2345	419830.21	3739626.78	3.45E-07	7.94E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	7.94E-07	0.00E+00	0.00E+00	1.14E-06	4.34E-08	7.78E-08	0.00E+00	0.00E+00	1.21E-07
2346	419838.72	3739623.24	3.50E-07	8.06E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-07	8.06E-07	0.00E+00	0.00E+00	1.16E-06	4.41E-08	7.90E-08	0.00E+00	0.00E+00	1.23E-07
2347	419847.23	3739619.7	3.55E-07	8.18E-07	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	8.18E-07	0.00E+00	0.00E+00	1.17E-06	4.47E-08	8.00E-08	0.00E+00	0.00E+00	1.25E-07
2348	419855.74	3739616.16	3.59E-07	8.27E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-07	8.27E-07	0.00E+00	0.00E+00	1.19E-06	4.52E-08	8.10E-08	0.00E+00	0.00E+00	1.26E-07
2349	419864.24	3739612.62	3.63E-07	8.35E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	8.35E-07	0.00E+00	0.00E+00	1.20E-06	4.56E-08	8.17E-08	0.00E+00	0.00E+00	1.27E-07
2350	419872.75	3739609.09	3.65E-07	8.41E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	8.41E-07	0.00E+00	0.00E+00	1.21E-06	4.60E-08	8.24E-08	0.00E+00	0.00E+00	1.28E-07
2351	419881.26	3739605.55	3.68E-07	8.47E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	8.47E-07	0.00E+00	0.00E+00	1.21E-06	4.63E-08	8.29E-08	0.00E+00	0.00E+00	1.29E-07
2352	419889.77	3739602.01	3.70E-07	8.51E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	8.51E-07	0.00E+00	0.00E+00	1.22E-06	4.65E-08	8.34E-08	0.00E+00	0.00E+00	1.30E-07
2353	419898.28	3739598.47	3.71E-07	8.55E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	8.55E-07	0.00E+00	0.00E+00	1.23E-06	4.67E-08	8.37E-08	0.00E+00	0.00E+00	1.30E-07
2354	419906.79	3739594.93	3.72E-07	8.57E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	8.57E-07	0.00E+00	0.00E+00	1.23E-06	4.68E-08	8.39E-08	0.00E+00	0.00E+00	1.31E-07
2355	419915.3	3739591.4	3.73E-07	8.58E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	8.58E-07	0.00E+00	0.00E+00	1.23E-06	4.69E-08	8.40E-08	0.00E+00	0.00E+00	1.31E-07
2356	419923.8	3739587.86	3.72E-07	8.56E-07	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	8.56E-07	0.00E+00	0.00E+00	1.23E-06	4.68E-08	8.39E-08	0.00E+00	0.00E+00	1.31E-07
2357	419932.31	3739584.32	3.71E-07	8.54E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	8.54E-07	0.00E+00	0.00E+00	1.22E-06	4.66E-08	8.36E-08	0.00E+00	0.00E+00	1.30E-07
2358	419940.82	3739580.78	3.69E-07	8.49E-07	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	8.49E-07	0.00E+00	0.00E+00	1.22E-06	4.64E-08	8.32E-08	0.00E+00	0.00E+00	1.30E-07
2359	419949.33	3739577.24	3.67E-07	8.44E-07	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	8.44E-07	0.00E+00	0.00E+00	1.21E-06	4.61E-08	8.27E-08	0.00E+00	0.00E+00	1.29E-07
2360	419957.84	3739573.71	3.64E-07	8.37E-07	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	8.37E-07	0.00E+00	0.00E+00	1.20E-06	4.58E-08	8.20E-08	0.00E+00	0.00E+00	1.28E-07
2361	419966.35	3739570.17	3.60E-07	8.29E-07	0.00E+00	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	8.29E-07	0.00E+00	0.00E+00	1.19E-06	4.53E-08	8.12E-08	0.00E+00	0.00E+00	1.27E-07
2362	419974.86	3739566.63	3.56E-07	8.20E-07	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	8.20E-07	0.00E+00	0.00E+00	1.18E-06	4.48E-08	8.03E-08	0.00E+00	0.00E+00	1.25E-07
2363	419983.36	3739563.09	3.52E-07	8.10E-07	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	8.10E-07	0.00E+00	0.00E+00	1.16E-06	4.42E-08	7.93E-08	0.00E+00	0.00E+00	1.23E-07
2364	419991.87	3739559.55	3.46E-07	7.97E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	7.97E-07	0.00E+00	0.00E+00	1.14E-06	4.36E-08	7.80E-08	0.00E+00	0.00E+00	1.22E-07
2365	420000.38	3739556.01	3.40E-07	7.84E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	7.84E-07	0.00E+00	0.00E+00	1.12E-06	4.28E-08	7.67E-08	0.00E+00	0.00E+00	1.20E-07
2366	420008.89	3739552.48	3.34E-07	7.69E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	7.69E-07	0.00E+00	0.00E+00	1.10E-06	4.20E-08	7.53E-08	0.00E+00	0.00E+00	1.17E-07
2367	420017.4	3739548.94	3.28E-07	7.54E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	7.54E-07	0.00E+00	0.00E+00	1.08E-06	4.12E-08	7.39E-08	0.00E+00	0.00E+00	1.15E-07
2368	420059.94	3739531.25	2.92E-07	6.72E-07	0.00E+00	0.00E+00	9.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-07	6.72E-07	0.00E+00	0.00E+00	9.64E-07	3.67E-08	6.58E-08	0.00E+00	0.00E+00	1.02E-07
2369	419667.97	3739743	2.38E-07	5.47E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	5.47E-07	0.00E+00	0.00E+00	7.85E-07	2.99E-08	5.36E-08	0.00E+00	0.00E+00	8.35E-08
2370	419671.51	3739734.37	2.39E-07	5.49E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	5.49E-07	0.00E+00	0.00E+00	7.88E-07	3.00E-08	5.38E-08	0.00E+00	0.00E+00	8.38E-08
2371	419675.04	3739725.74	2.40E-07	5.52E-07	0.00E+00	0.00E+00	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	5.52E-07	0.00E+00	0.00E+00	7.92E-07	3.02E-08	5.40E-08	0.00E+00	0.00E+00	8.42E-08
2372	419678.57	3739717.11	2.41E-07	5.54E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	5.54E-07	0.00E+00	0.00E+00	7.95E-07	3.03E-08	5.43E-08	0.00E+00	0.00E+00	8.45E-08
2373	419682.11	3739708.48	2.42E-07	5.56E-07	0.00E+00	0.00E+00	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	5.56E-07	0.00E+00	0.00E+00	7.98E-07	3.04E-08	5.45E-08	0.00E+00	0.00E+00	8.49E-08
2374	419685.64	3739699.85	2.43E-07	5.58E-07	0.00E+00	0.00E+00	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	5.58E-07	0.00E+00	0.00E+00	8.01E-07	3.05E-08	5.47E-08	0.00E+00	0.00E+00	8.52E-08
2375	419689.17	3739691.23	2.43E-07	5.60E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	5.60E-07	0.00E+00	0.00E+00	8.03E-07	3.06E-08	5.48E-08	0.00E+00	0.00E+00	8.55E-08
2376	419692.7	3739682.6	2.44E-07	5.62E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	5.62E-07	0.00E+00	0.00E+00	8.06E-07	3.07E-08	5.50E-08	0.00E+00	0.00E+00	8.57E-08
2377	419696.24	3739673.97	2.45E-07	5.63E-07	0.00E+00	0.00E+00	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.63E-07	0.00E+00	0.00E+00	8.08E-07	3.08E-08	5.52E-08	0.00E+00	0.00E+00	8.60E-08
2378	419699.77	3739665.34	2.45E-07	5.65E-07	0.00E+00	0.00E+00	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.65E-07	0.00E+00	0.00E+00	8.10E-07	3.09E-08	5.53E-08	0.00E+00	0.00E+00	8.62E-08
2379	419703.3	3739656.71	2.46E-07	5.66E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.66E-07	0.00E+00	0.00E+00	8.12E-07	3.09E-08	5.55E-08	0.00E+00	0.00E+00	8.64E-08
2380	419715.45	3739644.5	2.52E-07	5.81E-07	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	5.81E-07	0.00E+00	0.00E+00	8.33E-07	3.17E-08	5.69E-08	0.00E+00	0.00E+00	8.86E-08
2381	419724.06	3739640.92	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.53E-07	3.25E-08	5.82E-08	0.00E+00	0.00E+00	9.07E-08
2382	419732.67	3739637.34	2.64E-07	6.08E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	6.08E-07	0.00E+00	0.00E+00	8.72E-07	3.32E-08	5.95E-08	0.00E+00	0.00E+00	9.28E-08
2383	419741.27	3739633.76	2.70E-07	6.21E-07	0.00E+00	0.00E+00	8.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	6.21E-07	0.00E+00	0.00E+00	8.91E-07	3.40E-08	6.09E-08	0.00E+00	0.00E+00	9.48E-08
2384	419749.88	3739630.18	2.76E-07	6.35E-07	0.00E+00	0.00E+00	9.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	6.35E-07	0.00E+00	0.00E+00	9.11E-07	3.47E-08	6.22E-08	0.00E+00	0.00E+00	9.69E-08
2385	419758.49	3739626.6	2.82E-07	6.48E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	6.48E-07	0.00E+00	0.00E+00	9.30E-07	3.54E-08	6.35E-08	0.00E+00	0.00E+00	9.89E-08
2386	419767.1	3739623.02	2.87E-07	6.61E-07	0.00E+00	0.00E+00	9.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	6.61E-07	0.00E+00	0.00E+00	9.49E-07	3.61E-08	6.48E-08	0.00E+00	0.00E+00	1.01E-07
2387	419792.93	3739612.28	3.04E-07	6.99E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	6.99E-07	0.00E+00	0.00E+00	1.00E-06	3.82E-08	6.84E-08	0.00E+00	0.00E+00	1.07E-07
2388	419801.54	3739608.7	3.09E-07	7.11E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	7.11E-07	0.00E+00	0.00E+00	1.02E-06	3.88E-08	6.96E-08	0.00E+00	0.00E+00	1.08E-07
2389	419810.15	3739605.12	3.14E-07	7.22E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	7.22E-07	0.00E+00	0.00E+00	1.04E-06	3.94E-08	7.07E-08	0.00E+00	0.00E+00	1.10E-07
2390	419818.76	3739601.54	3.18E-07	7.32E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	7.32E-07	0.00E+00	0.00E+00	1.05E-06	4.00E-08	7.17E-08	0.00E+00	0.00E+00	1.12E-07
2391	419827.37	3739597.96	3.22E-07	7.42E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	7.42E-07	0.00E+00	0.00E+00	1.06E-06	4.05E-08	7.26E-08	0.00E+00	0.00E+00	1.13E-07
2392	419835.98	3739594.38	3.26E-07	7.51E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	7.51E-07	0.00E+00	0.00E+00	1.08E-06	4.10E-08	7.35E-08	0.00E+00	0.00E+00	1.15E-07
2393	419844.59	3739590.8	3.30E-07	7.59E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	7.59E-07	0.00E+00	0.00E+00	1.09E-06	4.15E-08	7.43E-08	0.00E+00	0.00E+00	1.16E-07
2394	419853.2	3739587.21	3.33E-07	7.66E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	7.66E-07	0.00E+00	0.00E+00	1.10E-06	4.19E-08	7.50E-08	0.00E+00	0.00E+00	1.17E-07
2395	419861.81	3739583.63	3.36E-07	7.73E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	7.73E-07	0.00E+00	0.00E+00	1.11E-06	4.22E-08	7.56E-08	0.00E+00	0.00E+00	1.18E-07
2396	419870.42	3739580.05	3.38E-07	7.78E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	7.78E-07	0.00E+00	0.00E+00	1.12E-06	4.25E-08	7.62E-08	0.00E+00	0.00E+00	1.19E-07
2397	419879.03	3739576.47	3.40E-07	7.82E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	7.82E-07	0.00E+00	0.00E+00	1.12E-06	4.27E-08	7.66E-08	0.00E+00	0.00E+00	1.19E-07
2398	419887.64	3739572.89	3.41E-07	7.85E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	7.85E-07	0.00E+00	0.00E+00	1.13E-06	4.29E-08	7.69E-08	0.00E+00	0.00E+00	1.20E-07
2399	419896.25	3739569.31	3.42E-07	7.87E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	7.87E-07	0.00E+00	0.00E+00	1.13E-06	4.30E-08	7.70E-08	0.00E+00	0.00E+00	1.20E-07
2400	419904.86	3739565.73	3.42E-07	7.87E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	7.87E-07	0.00E+00	0.00E+00	1.13E-06	4.30E-08	7.70E-08	0.00E+00	0.00E+00	1.20E-07
2401	419913.47	3739562.15	3.41E-07	7.86E-07	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	7.86E-07	0.00E+00	0.00E+00	1.13E-06	4.29E-08	7.69E-08	0.00E+00	0.00E+00	1.20E-07
2402	419922.08	3739558.57	3.40E-07	7.83E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	7.83E-07	0.00E+00	0.00E+00	1.12E-06	4.28E-08	7.67E-08	0.00E+00	0.00E+00	1.19E-07
2403	419930.69	3739554.99	3.39E-07	7.79E-07	0.00E+00	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	7.79E-07	0.00E+00	0.00E+00	1.12E-06	4.26E-08	7.63E-08	0.00E+00	0.00E+00	1.19E-07
2404	419939.3	3739551.41	3.36E-07	7.74E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	7.74E-07	0.00E+00	0.00E+00	1.11E-06	4.23E-08	7.58E-08	0.00E+00	0.00E+00	1.18E-07
2405	419982.35	3739533.51	3.19E-07	7.33E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	7.33E-07	0.00E+00	0.00E+00	1.05E-06	4.01E-08	7.18E-08	0.00E+00	0.00E+00	1.12E-07
2406	419990.96	3739529.93	3.13E-07	7.22E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-07	7.22E-07	0.00E+00	0.00E+00	1.04E-06	3.94E-08	7.07E-08	0.00E+00	0.00E+00	1.10E-07
2407	419999.57	3739526.35	3.08E-07	7.09E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	7.09E-07	0.00E+00	0.00E+00	1.02E-06	3.87E-08	6.94E-08	0.00E+00	0.00E+00	1.08E-07
2408	420008.18	3739522.77	3.02E-07	6.96E-07	0.00E+00	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	6.96E-07	0.00E+00	0.00E+00	9.98E-07	3.80E-08	6.82E-08	0.00E+00	0.00E+00	1.06E-07
2409	420016.79	3739519.19	2.96E-07	6.82E-07	0.00E+00	0.00E+00	9.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	6.82E-07	0.00E+00	0.00E+00	9.79E-07	3.73E-08	6.68E-08	0.00E+00	0.00E+00	1.04E-07
2410	420025.4	3739515.61	2.90E-07	6.68E-07	0.00E+00	0.00E+00	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	6.68E-07	0.00E+00	0.00E+00	9.58E-07	3.65E-08	6.54E-08	0.00E+00	0.00E+00	1.02E-07
2411	420034.01	3739512.03	2.84E-07	6.53E-07	0.00E+00	0.00E+00	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	6.53E-07	0.00E+00	0.00E+00	9.37E-07	3.57E-08	6.40E-08	0.00E+00	0.00E+00	9.97E-08
2412	420042.62	3739508.45	2.77E-07	6.39E-07	0.00E+00	0.00E+00	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	6.39E-07	0.00E+00	0.00E+00	9.16E-07	3.49E-08	6.25E-08	0.00E+00	0.00E+00	9.74E-08
2413	420051.23	3739504.87	2.71E-07	6.23E-07	0.00E+00	0.00E+00	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	6.23E-07	0.00E+00	0.00E+00	8.94E-07	3.41E-08	6.10E-08	0.00E+00	0.00E+00	9.51E-08
2414	420059.84	3739501.29	2.64E-07	6.08E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	6.08E-07	0.00E+00	0.00E+00	8.72E-07	3.32E-08	5.96E-08	0.00E+00	0.00E+00	9.28E-08
2415	419643.67	3739729.26	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.19E-07	2.74E

2467	419625.48	3739700.57	2.02E-07	4.64E-07	0.00E+00	0.00E+00	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	4.64E-07	0.00E+00	0.00E+00	6.66E-07	2.54E-08	4.54E-08	0.00E+00	0.00E+00	7.08E-08
2468	419629.01	3739691.95	2.02E-07	4.66E-07	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	4.66E-07	0.00E+00	0.00E+00	6.68E-07	2.55E-08	4.56E-08	0.00E+00	0.00E+00	7.11E-08
2469	419632.54	3739683.34	2.03E-07	4.68E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-07	4.68E-07	0.00E+00	0.00E+00	6.71E-07	2.56E-08	4.58E-08	0.00E+00	0.00E+00	7.13E-08
2470	419636.07	3739674.72	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.73E-07	2.56E-08	4.60E-08	0.00E+00	0.00E+00	7.16E-08
2471	419639.59	3739666.1	2.05E-07	4.71E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	4.71E-07	0.00E+00	0.00E+00	6.75E-07	2.57E-08	4.61E-08	0.00E+00	0.00E+00	7.18E-08
2472	419643.12	3739657.48	2.05E-07	4.72E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	4.72E-07	0.00E+00	0.00E+00	6.77E-07	2.58E-08	4.62E-08	0.00E+00	0.00E+00	7.20E-08
2473	419646.65	3739648.86	2.06E-07	4.73E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	4.73E-07	0.00E+00	0.00E+00	6.79E-07	2.58E-08	4.63E-08	0.00E+00	0.00E+00	7.22E-08
2474	419650.18	3739640.24	2.06E-07	4.74E-07	0.00E+00	0.00E+00	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	4.74E-07	0.00E+00	0.00E+00	6.80E-07	2.59E-08	4.64E-08	0.00E+00	0.00E+00	7.23E-08
2475	419653.71	3739631.62	2.06E-07	4.75E-07	0.00E+00	0.00E+00	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	4.75E-07	0.00E+00	0.00E+00	6.81E-07	2.59E-08	4.65E-08	0.00E+00	0.00E+00	7.24E-08
2476	419657.24	3739623.01	2.06E-07	4.75E-07	0.00E+00	0.00E+00	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	4.75E-07	0.00E+00	0.00E+00	6.82E-07	2.60E-08	4.65E-08	0.00E+00	0.00E+00	7.25E-08
2477	419660.76	3739614.39	2.07E-07	4.77E-07	0.00E+00	0.00E+00	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-07	4.77E-07	0.00E+00	0.00E+00	6.84E-07	2.60E-08	4.67E-08	0.00E+00	0.00E+00	7.27E-08
2478	419672.89	3739602.19	2.13E-07	4.89E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	4.89E-07	0.00E+00	0.00E+00	7.02E-07	2.67E-08	4.79E-08	0.00E+00	0.00E+00	7.46E-08
2479	419681.49	3739598.62	2.17E-07	5.01E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	5.01E-07	0.00E+00	0.00E+00	7.18E-07	2.74E-08	4.90E-08	0.00E+00	0.00E+00	7.64E-08
2480	419690.09	3739595.04	2.22E-07	5.12E-07	0.00E+00	0.00E+00	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	5.12E-07	0.00E+00	0.00E+00	7.34E-07	2.80E-08	5.01E-08	0.00E+00	0.00E+00	7.81E-08
2481	419698.69	3739591.47	2.27E-07	5.23E-07	0.00E+00	0.00E+00	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-07	5.23E-07	0.00E+00	0.00E+00	7.50E-07	2.86E-08	5.12E-08	0.00E+00	0.00E+00	7.98E-08
2482	419707.29	3739587.89	2.32E-07	5.34E-07	0.00E+00	0.00E+00	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	5.34E-07	0.00E+00	0.00E+00	7.66E-07	2.92E-08	5.23E-08	0.00E+00	0.00E+00	8.14E-08
2483	419715.89	3739584.31	2.36E-07	5.44E-07	0.00E+00	0.00E+00	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-07	5.44E-07	0.00E+00	0.00E+00	7.81E-07	2.97E-08	5.33E-08	0.00E+00	0.00E+00	8.30E-08
2484	419724.49	3739580.74	2.41E-07	5.55E-07	0.00E+00	0.00E+00	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	5.55E-07	0.00E+00	0.00E+00	7.96E-07	3.03E-08	5.43E-08	0.00E+00	0.00E+00	8.46E-08
2485	419733.09	3739577.16	2.46E-07	5.65E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.65E-07	0.00E+00	0.00E+00	8.11E-07	3.09E-08	5.53E-08	0.00E+00	0.00E+00	8.62E-08
2486	419741.68	3739573.59	2.50E-07	5.75E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	5.75E-07	0.00E+00	0.00E+00	8.25E-07	3.14E-08	5.63E-08	0.00E+00	0.00E+00	8.78E-08
2487	419750.28	3739570.01	2.54E-07	5.85E-07	0.00E+00	0.00E+00	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	5.85E-07	0.00E+00	0.00E+00	8.39E-07	3.20E-08	5.73E-08	0.00E+00	0.00E+00	8.93E-08
2488	419758.88	3739566.44	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.52E-07	3.25E-08	5.82E-08	0.00E+00	0.00E+00	9.07E-08
2489	419793.28	3739552.13	2.73E-07	6.28E-07	0.00E+00	0.00E+00	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	6.28E-07	0.00E+00	0.00E+00	9.01E-07	3.43E-08	6.15E-08	0.00E+00	0.00E+00	9.58E-08
2490	419836.27	3739534.25	2.86E-07	6.59E-07	0.00E+00	0.00E+00	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	6.59E-07	0.00E+00	0.00E+00	9.45E-07	3.60E-08	6.45E-08	0.00E+00	0.00E+00	1.01E-07
2491	419844.87	3739530.68	2.88E-07	6.63E-07	0.00E+00	0.00E+00	9.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	6.63E-07	0.00E+00	0.00E+00	9.51E-07	3.62E-08	6.49E-08	0.00E+00	0.00E+00	1.01E-07
2492	419853.47	3739527.1	2.89E-07	6.66E-07	0.00E+00	0.00E+00	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	6.66E-07	0.00E+00	0.00E+00	9.55E-07	3.64E-08	6.52E-08	0.00E+00	0.00E+00	1.02E-07
2493	419862.07	3739523.53	2.90E-07	6.69E-07	0.00E+00	0.00E+00	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	6.69E-07	0.00E+00	0.00E+00	9.59E-07	3.65E-08	6.55E-08	0.00E+00	0.00E+00	1.02E-07
2494	419870.67	3739519.95	2.91E-07	6.70E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	6.70E-07	0.00E+00	0.00E+00	9.61E-07	3.66E-08	6.56E-08	0.00E+00	0.00E+00	1.02E-07
2495	419879.27	3739516.38	2.91E-07	6.71E-07	0.00E+00	0.00E+00	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	6.71E-07	0.00E+00	0.00E+00	9.62E-07	3.67E-08	6.57E-08	0.00E+00	0.00E+00	1.02E-07
2496	419887.87	3739512.8	2.91E-07	6.70E-07	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	6.70E-07	0.00E+00	0.00E+00	9.61E-07	3.66E-08	6.56E-08	0.00E+00	0.00E+00	1.02E-07
2497	419896.47	3739509.22	2.91E-07	6.69E-07	0.00E+00	0.00E+00	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-07	6.69E-07	0.00E+00	0.00E+00	9.59E-07	3.65E-08	6.55E-08	0.00E+00	0.00E+00	1.02E-07
2498	419905.07	3739505.65	2.89E-07	6.66E-07	0.00E+00	0.00E+00	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	6.66E-07	0.00E+00	0.00E+00	9.56E-07	3.64E-08	6.52E-08	0.00E+00	0.00E+00	1.02E-07
2499	419913.67	3739502.07	2.88E-07	6.63E-07	0.00E+00	0.00E+00	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	6.63E-07	0.00E+00	0.00E+00	9.50E-07	3.62E-08	6.49E-08	0.00E+00	0.00E+00	1.01E-07
2500	419922.27	3739498.5	2.86E-07	6.58E-07	0.00E+00	0.00E+00	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	6.58E-07	0.00E+00	0.00E+00	9.44E-07	3.59E-08	6.44E-08	0.00E+00	0.00E+00	1.00E-07
2501	419930.86	3739494.92	2.83E-07	6.53E-07	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	6.53E-07	0.00E+00	0.00E+00	9.36E-07	3.57E-08	6.39E-08	0.00E+00	0.00E+00	9.95E-08
2502	419939.46	3739491.35	2.81E-07	6.46E-07	0.00E+00	0.00E+00	9.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	6.46E-07	0.00E+00	0.00E+00	9.27E-07	3.53E-08	6.33E-08	0.00E+00	0.00E+00	9.86E-08
2503	419948.06	3739487.77	2.78E-07	6.40E-07	0.00E+00	0.00E+00	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	6.40E-07	0.00E+00	0.00E+00	9.17E-07	3.49E-08	6.26E-08	0.00E+00	0.00E+00	9.76E-08
2504	419956.66	3739484.19	2.75E-07	6.32E-07	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	6.32E-07	0.00E+00	0.00E+00	9.07E-07	3.45E-08	6.19E-08	0.00E+00	0.00E+00	9.64E-08
2505	419965.26	3739480.62	2.71E-07	6.24E-07	0.00E+00	0.00E+00	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	6.24E-07	0.00E+00	0.00E+00	8.95E-07	3.41E-08	6.11E-08	0.00E+00	0.00E+00	9.51E-08
2506	419973.86	3739477.04	2.67E-07	6.15E-07	0.00E+00	0.00E+00	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	6.15E-07	0.00E+00	0.00E+00	8.82E-07	3.36E-08	6.02E-08	0.00E+00	0.00E+00	9.38E-08
2507	419982.46	3739473.47	2.63E-07	6.06E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	6.06E-07	0.00E+00	0.00E+00	8.69E-07	3.31E-08	5.93E-08	0.00E+00	0.00E+00	9.24E-08
2508	419991.06	3739469.89	2.59E-07	5.96E-07	0.00E+00	0.00E+00	8.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	5.96E-07	0.00E+00	0.00E+00	8.55E-07	3.26E-08	5.84E-08	0.00E+00	0.00E+00	9.10E-08
2509	419999.66	3739466.32	2.55E-07	5.86E-07	0.00E+00	0.00E+00	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	5.86E-07	0.00E+00	0.00E+00	8.41E-07	3.20E-08	5.74E-08	0.00E+00	0.00E+00	8.94E-08
2510	420008.26	3739462.74	2.50E-07	5.75E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	5.75E-07	0.00E+00	0.00E+00	8.25E-07	3.14E-08	5.63E-08	0.00E+00	0.00E+00	8.78E-08
2511	420016.86	3739459.16	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	3.08E-08	5.53E-08	0.00E+00	0.00E+00	8.61E-08
2512	420025.45	3739455.59	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.93E-07	3.02E-08	5.41E-08	0.00E+00	0.00E+00	8.44E-08
2513	420034.05	3739452.01	2.35E-07	5.41E-07	0.00E+00	0.00E+00	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	5.41E-07	0.00E+00	0.00E+00	7.76E-07	2.96E-08	5.30E-08	0.00E+00	0.00E+00	8.26E-08
2514	420042.65	3739448.44	2.30E-07	5.29E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	5.29E-07	0.00E+00	0.00E+00	7.59E-07	2.89E-08	5.18E-08	0.00E+00	0.00E+00	8.08E-08
2515	420051.25	3739444.86	2.25E-07	5.17E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.17E-07	0.00E+00	0.00E+00	7.42E-07	2.83E-08	5.07E-08	0.00E+00	0.00E+00	7.89E-08
2516	420059.85	3739441.29	2.20E-07	5.05E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	5.05E-07	0.00E+00	0.00E+00	7.25E-07	2.76E-08	4.95E-08	0.00E+00	0.00E+00	7.71E-08
2517	419580.18	3739738.12	1.81E-07	4.18E-07	0.00E+00	0.00E+00	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	4.18E-07	0.00E+00	0.00E+00	5.99E-07	2.28E-08	4.09E-08	0.00E+00	0.00E+00	6.37E-08
2518	419583.67	3739729.59	1.82E-07	4.19E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	4.19E-07	0.00E+00	0.00E+00	6.01E-07	2.29E-08	4.10E-08	0.00E+00	0.00E+00	6.39E-08
2519	419587.16	3739721.06	1.83E-07	4.21E-07	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	4.21E-07	0.00E+00	0.00E+00	6.03E-07	2.30E-08	4.12E-08	0.00E+00	0.00E+00	6.42E-08
2520	419590.65	3739712.53	1.83E-07	4.22E-07	0.00E+00	0.00E+00	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	4.22E-07	0.00E+00	0.00E+00	6.05E-07	2.31E-08	4.13E-08	0.00E+00	0.00E+00	6.44E-08
2521	419594.14	3739704	1.84E-07	4.24E-07	0.00E+00	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	4.24E-07	0.00E+00	0.00E+00	6.08E-07	2.32E-08	4.15E-08	0.00E+00	0.00E+00	6.47E-08
2522	419597.64	3739695.48	1.85E-07	4.26E-07	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	4.26E-07	0.00E+00	0.00E+00	6.11E-07	2.33E-08	4.17E-08	0.00E+00	0.00E+00	6.49E-08
2523	419601.13	3739686.95	1.86E-07	4.27E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	4.27E-07	0.00E+00	0.00E+00	6.13E-07	2.33E-08	4.18E-08	0.00E+00	0.00E+00	6.52E-08
2524	419604.62	3739678.42	1.86E-07	4.29E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	4.29E-07	0.00E+00	0.00E+00	6.15E-07	2.34E-08	4.20E-08	0.00E+00	0.00E+00	6.54E-08
2525	419608.11	3739669.89	1.87E-07	4.30E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	4.30E-07	0.00E+00	0.00E+00	6.18E-07	2.35E-08	4.22E-08	0.00E+00	0.00E+00	6.57E-08
2526	419611.6	3739661.37	1.88E-07	4.32E-07	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	4.32E-07	0.00E+00	0.00E+00	6.20E-07	2.36E-08	4.23E-08	0.00E+00	0.00E+00	6.59E-08
2527	419615.09	3739652.84	1.88E-07	4.34E-07	0.00E+00	0.00E+00	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	4.34E-07	0.00E+00	0.00E+00	6.22E-07	2.37E-08	4.25E-08	0.00E+00	0.00E+00	6.62E-08
2528	419618.58	3739644.31	1.89E-07	4.35E-07	0.00E+00	0.00E+00	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	4.35E-07	0.00E+00	0.00E+00	6.24E-07	2.38E-08	4.26E-08	0.00E+00	0.00E+00	6.64E-08
2529	419622.07	3739635.78	1.89E-07	4.36E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	4.36E-07	0.00E+00	0.00E+00	6.25E-07	2.38E-08	4.27E-08	0.00E+00	0.00E+00	6.65E-08
2530	419625.56	3739627.25	1.90E-07	4.37E-07	0.00E+00	0.00E+00	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	4.37E-07	0.00E+00	0.00E+00	6.27E-07	2.39E-08	4.28E-08	0.00E+00	0.00E+00	6.67E-08
2531	419629.06	3739618.73	1.90E-07	4.38E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	4.38E-07	0.00E+00	0.00E+00	6.28E-07	2.39E-08	4.29E-08	0.00E+00	0.00E+00	6.68E-08
2532	419632.55	3739610.2	1.91E-07	4.39E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	4.39E-07	0.00E+00	0.00E+00	6.30E-07	2.40E-08	4.30E-08	0.00E+00	0.00E+00	6.70E-08
2533	419636.04	3739601.67	1.91E-07	4.41E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	4.41E-07	0.00E+00	0.00E+00	6.32E-07	2.41E-08	4.31E-08	0.00E+00	0.00E+00	6.72E-08
2534	419639.53	3739593.14	1.92E-07	4.42E-07	0.00E+00	0.00E+00	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	4.42E-07	0.00E+00	0.00E+00	6.34E-07	2.41E-08	4.33E-08	0.00E+00	0.00E+00	6.74E-08
2535	419651.53	3739581.08	1.97E-07	4.53E-07	0.00E+00	0.00E+00	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	4.53E-07	0.00E+00	0.00E+00	6.49E-07	2.47E-08	4.43E-08	0.00E+00	0.00E+00	6.91E-08
2536	419660.04	3739577.54	2.01E-07	4.62E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-07	4.62E-07	0.00E+00	0.00E+00	6.63E-07	2.53E-08	4.53E-08	0.00E+00	0.00E+00	7.05E-08
2537	419668.55	3739574	2.05E-07	4.72E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	4.72E-07	0.00E+00	0.00E+00	6.77E-07	2.58E-08	4.62E-08	0.00E+00	0.00E+00	7.20E-08
2538	419677.06	3739570.46	2.09E-07	4.82E-07	0.00E+00	0.00E+00	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-07	4.82E-07	0.00E+00	0.00E+00	6.91E-07	2.63E-08	4.72E-08	0.00E+00	0.00E+00	7.35E-08
2539	419685.56	3739566.92	2.14E-07	4.91E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	4.91E-07	0.00E+00	0.00E+00	7.05E-07	2.69E-08	4.81E-08	0.00E+00	0.00E+00	7.50E-08
2540	419694.07	3739563.39	2.18E-07	5.01E-07	0.00E+00	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.01E-07	0.00E+00	0.00E+00	7.18E-07	2.74E-08	4.90E-08	0.00E+00	0.00E+00	7.64E-08
2541	419702.58	3739559.85	2.22E-07	5.10E-07	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	5.10E-07	0.00E+00	0.00E+00	7.31E-07	2.79E-08	4.99E-08	0.00E+00	0.00E+00	7.78E-08
2542	419711.09	3739556.31	2.26E-07	5.19E-07	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	5.19E-07	0.00E+00	0.00E+00	7.45E-07	2.84E-08	5.08E-08	0.00E+00	0.00E+00	7.92E-08
2543	419719.6	3739552.77	2.30E-07	5.29E-07	0.00E+00	0.00E+00	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	5.29E-07	0.00E+00	0.00E+00	7.58E-07	2.89E-08	5.18E-08	0.00E+00	0.00E+00	8.06E-08
2544	419796.18	3739520.93	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.56E-07	3.26E-08	5.84E-08	0.00E+00	0.00E+00	9.10E-08
2545	419804.68	3739517.39	2.62E-07	6.02E-07	0.00E+00	0.00E+00	8.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	6.02E-07	0.00E+00	0.00E+00	8.64E-07	3.29E-08

2597	419623.22	3739552.85	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.89E-07	2.24E-08	4.02E-08	0.00E+00	0.00E+00	6.26E-08
2598	419794.46	3739481.64	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.93E-07	3.02E-08	5.42E-08	0.00E+00	0.00E+00	8.44E-08
2599	419803.03	3739478.08	2.42E-07	5.57E-07	0.00E+00	0.00E+00	7.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	5.57E-07	0.00E+00	0.00E+00	7.98E-07	3.04E-08	5.45E-08	0.00E+00	0.00E+00	8.49E-08
2600	419811.59	3739474.52	2.43E-07	5.60E-07	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	5.60E-07	0.00E+00	0.00E+00	8.03E-07	3.06E-08	5.48E-08	0.00E+00	0.00E+00	8.54E-08
2601	419820.15	3739470.96	2.44E-07	5.62E-07	0.00E+00	0.00E+00	8.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	5.62E-07	0.00E+00	0.00E+00	8.06E-07	3.07E-08	5.50E-08	0.00E+00	0.00E+00	8.57E-08
2602	419828.71	3739467.4	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	3.08E-08	5.52E-08	0.00E+00	0.00E+00	8.60E-08
2603	419837.27	3739463.84	2.46E-07	5.65E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.65E-07	0.00E+00	0.00E+00	8.11E-07	3.09E-08	5.54E-08	0.00E+00	0.00E+00	8.63E-08
2604	419845.84	3739460.28	2.46E-07	5.66E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.66E-07	0.00E+00	0.00E+00	8.12E-07	3.09E-08	5.54E-08	0.00E+00	0.00E+00	8.64E-08
2605	419854.4	3739456.72	2.46E-07	5.67E-07	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.67E-07	0.00E+00	0.00E+00	8.13E-07	3.10E-08	5.55E-08	0.00E+00	0.00E+00	8.64E-08
2606	419862.96	3739453.16	2.46E-07	5.66E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.66E-07	0.00E+00	0.00E+00	8.12E-07	3.09E-08	5.55E-08	0.00E+00	0.00E+00	8.64E-08
2607	419871.52	3739449.6	2.46E-07	5.65E-07	0.00E+00	0.00E+00	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.65E-07	0.00E+00	0.00E+00	8.11E-07	3.09E-08	5.54E-08	0.00E+00	0.00E+00	8.63E-08
2608	419880.08	3739446.04	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	3.08E-08	5.52E-08	0.00E+00	0.00E+00	8.60E-08
2609	419888.65	3739442.48	2.44E-07	5.61E-07	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	5.61E-07	0.00E+00	0.00E+00	8.05E-07	3.07E-08	5.49E-08	0.00E+00	0.00E+00	8.56E-08
2610	419897.21	3739438.92	2.42E-07	5.58E-07	0.00E+00	0.00E+00	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	5.58E-07	0.00E+00	0.00E+00	8.00E-07	3.05E-08	5.46E-08	0.00E+00	0.00E+00	8.51E-08
2611	419905.77	3739435.36	2.41E-07	5.54E-07	0.00E+00	0.00E+00	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	5.54E-07	0.00E+00	0.00E+00	7.95E-07	3.03E-08	5.43E-08	0.00E+00	0.00E+00	8.45E-08
2612	419914.33	3739431.8	2.39E-07	5.50E-07	0.00E+00	0.00E+00	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	5.50E-07	0.00E+00	0.00E+00	7.88E-07	3.00E-08	5.38E-08	0.00E+00	0.00E+00	8.38E-08
2613	419922.89	3739428.24	2.37E-07	5.44E-07	0.00E+00	0.00E+00	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-07	5.44E-07	0.00E+00	0.00E+00	7.81E-07	2.97E-08	5.33E-08	0.00E+00	0.00E+00	8.31E-08
2614	419931.46	3739424.68	2.34E-07	5.39E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	5.39E-07	0.00E+00	0.00E+00	7.73E-07	2.94E-08	5.28E-08	0.00E+00	0.00E+00	8.22E-08
2615	419940.02	3739421.11	2.31E-07	5.33E-07	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	5.33E-07	0.00E+00	0.00E+00	7.64E-07	2.91E-08	5.22E-08	0.00E+00	0.00E+00	8.13E-08
2616	419948.58	3739417.55	2.28E-07	5.26E-07	0.00E+00	0.00E+00	7.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	5.26E-07	0.00E+00	0.00E+00	7.54E-07	2.87E-08	5.15E-08	0.00E+00	0.00E+00	8.02E-08
2617	419957.14	3739413.99	2.25E-07	5.19E-07	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.19E-07	0.00E+00	0.00E+00	7.44E-07	2.83E-08	5.08E-08	0.00E+00	0.00E+00	7.91E-08
2618	419965.7	3739410.43	2.22E-07	5.11E-07	0.00E+00	0.00E+00	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	5.11E-07	0.00E+00	0.00E+00	7.33E-07	2.79E-08	5.00E-08	0.00E+00	0.00E+00	7.79E-08
2619	419974.27	3739406.87	2.18E-07	5.03E-07	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.03E-07	0.00E+00	0.00E+00	7.21E-07	2.75E-08	4.92E-08	0.00E+00	0.00E+00	7.67E-08
2620	419982.83	3739403.31	2.15E-07	4.95E-07	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	4.95E-07	0.00E+00	0.00E+00	7.10E-07	2.70E-08	4.84E-08	0.00E+00	0.00E+00	7.55E-08
2621	419991.39	3739399.75	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.98E-07	2.66E-08	4.76E-08	0.00E+00	0.00E+00	7.42E-08
2622	419999.95	3739396.19	2.08E-07	4.78E-07	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	4.78E-07	0.00E+00	0.00E+00	6.86E-07	2.61E-08	4.68E-08	0.00E+00	0.00E+00	7.29E-08
2623	420008.52	3739392.63	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	4.69E-07	0.00E+00	0.00E+00	6.73E-07	2.57E-08	4.60E-08	0.00E+00	0.00E+00	7.16E-08
2624	420017.08	3739389.07	2.00E-07	4.61E-07	0.00E+00	0.00E+00	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	4.61E-07	0.00E+00	0.00E+00	6.61E-07	2.52E-08	4.51E-08	0.00E+00	0.00E+00	7.03E-08
2625	420025.64	3739385.51	1.96E-07	4.52E-07	0.00E+00	0.00E+00	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	4.52E-07	0.00E+00	0.00E+00	6.48E-07	2.47E-08	4.42E-08	0.00E+00	0.00E+00	6.89E-08
2626	420034.2	3739381.95	1.92E-07	4.43E-07	0.00E+00	0.00E+00	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	4.43E-07	0.00E+00	0.00E+00	6.35E-07	2.42E-08	4.34E-08	0.00E+00	0.00E+00	6.76E-08
2627	419497.98	3739743.94	1.46E-07	3.37E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	3.37E-07	0.00E+00	0.00E+00	4.83E-07	1.84E-08	3.30E-08	0.00E+00	0.00E+00	5.14E-08
2628	419501.51	3739735.31	1.47E-07	3.38E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.38E-07	0.00E+00	0.00E+00	4.85E-07	1.85E-08	3.31E-08	0.00E+00	0.00E+00	5.16E-08
2629	419505.04	3739726.68	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.87E-07	1.85E-08	3.32E-08	0.00E+00	0.00E+00	5.18E-08
2630	419508.58	3739718.05	1.48E-07	3.41E-07	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	3.41E-07	0.00E+00	0.00E+00	4.89E-07	1.86E-08	3.34E-08	0.00E+00	0.00E+00	5.20E-08
2631	419512.11	3739709.42	1.49E-07	3.42E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.42E-07	0.00E+00	0.00E+00	4.91E-07	1.87E-08	3.35E-08	0.00E+00	0.00E+00	5.22E-08
2632	419515.64	3739700.79	1.49E-07	3.43E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.43E-07	0.00E+00	0.00E+00	4.92E-07	1.87E-08	3.36E-08	0.00E+00	0.00E+00	5.23E-08
2633	419519.17	3739692.16	1.49E-07	3.44E-07	0.00E+00	0.00E+00	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.44E-07	0.00E+00	0.00E+00	4.93E-07	1.88E-08	3.36E-08	0.00E+00	0.00E+00	5.24E-08
2634	419522.71	3739683.53	1.50E-07	3.45E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.45E-07	0.00E+00	0.00E+00	4.94E-07	1.88E-08	3.37E-08	0.00E+00	0.00E+00	5.26E-08
2635	419526.24	3739674.9	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	1.89E-08	3.38E-08	0.00E+00	0.00E+00	5.27E-08
2636	419529.77	3739666.27	1.51E-07	3.47E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	3.47E-07	0.00E+00	0.00E+00	4.98E-07	1.90E-08	3.40E-08	0.00E+00	0.00E+00	5.29E-08
2637	419533.31	3739657.64	1.51E-07	3.48E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	3.48E-07	0.00E+00	0.00E+00	4.99E-07	1.90E-08	3.41E-08	0.00E+00	0.00E+00	5.31E-08
2638	419536.84	3739649.01	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	1.91E-08	3.42E-08	0.00E+00	0.00E+00	5.33E-08
2639	419540.37	3739640.38	1.52E-07	3.50E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.50E-07	0.00E+00	0.00E+00	5.03E-07	1.91E-08	3.43E-08	0.00E+00	0.00E+00	5.35E-08
2640	419543.9	3739631.75	1.53E-07	3.52E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	3.52E-07	0.00E+00	0.00E+00	5.04E-07	1.92E-08	3.44E-08	0.00E+00	0.00E+00	5.36E-08
2641	419547.44	3739623.12	1.53E-07	3.53E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-07	3.53E-07	0.00E+00	0.00E+00	5.06E-07	1.93E-08	3.45E-08	0.00E+00	0.00E+00	5.38E-08
2642	419550.97	3739614.5	1.54E-07	3.54E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	3.54E-07	0.00E+00	0.00E+00	5.08E-07	1.93E-08	3.47E-08	0.00E+00	0.00E+00	5.40E-08
2643	419554.5	3739605.87	1.54E-07	3.56E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	3.56E-07	0.00E+00	0.00E+00	5.10E-07	1.94E-08	3.48E-08	0.00E+00	0.00E+00	5.42E-08
2644	419558.03	3739597.24	1.55E-07	3.57E-07	0.00E+00	0.00E+00	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	3.57E-07	0.00E+00	0.00E+00	5.12E-07	1.95E-08	3.49E-08	0.00E+00	0.00E+00	5.44E-08
2645	419561.57	3739588.61	1.56E-07	3.58E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	3.58E-07	0.00E+00	0.00E+00	5.14E-07	1.96E-08	3.51E-08	0.00E+00	0.00E+00	5.46E-08
2646	419565.1	3739579.98	1.56E-07	3.59E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	3.59E-07	0.00E+00	0.00E+00	5.15E-07	1.96E-08	3.52E-08	0.00E+00	0.00E+00	5.48E-08
2647	419568.63	3739571.35	1.57E-07	3.61E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.61E-07	0.00E+00	0.00E+00	5.17E-07	1.97E-08	3.53E-08	0.00E+00	0.00E+00	5.50E-08
2648	419572.17	3739562.72	1.57E-07	3.62E-07	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.62E-07	0.00E+00	0.00E+00	5.19E-07	1.98E-08	3.55E-08	0.00E+00	0.00E+00	5.52E-08
2649	419575.7	3739554.09	1.58E-07	3.64E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	3.64E-07	0.00E+00	0.00E+00	5.21E-07	1.99E-08	3.56E-08	0.00E+00	0.00E+00	5.55E-08
2650	419801.54	3739438.7	2.23E-07	5.14E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.14E-07	0.00E+00	0.00E+00	7.38E-07	2.81E-08	5.04E-08	0.00E+00	0.00E+00	7.85E-08
2651	419810.15	3739435.12	2.24E-07	5.16E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	5.16E-07	0.00E+00	0.00E+00	7.40E-07	2.82E-08	5.05E-08	0.00E+00	0.00E+00	7.87E-08
2652	419818.76	3739431.54	2.25E-07	5.17E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.17E-07	0.00E+00	0.00E+00	7.42E-07	2.83E-08	5.06E-08	0.00E+00	0.00E+00	7.89E-08
2653	419827.37	3739427.96	2.25E-07	5.18E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.18E-07	0.00E+00	0.00E+00	7.43E-07	2.83E-08	5.07E-08	0.00E+00	0.00E+00	7.90E-08
2654	419835.98	3739424.38	2.25E-07	5.18E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.18E-07	0.00E+00	0.00E+00	7.43E-07	2.83E-08	5.07E-08	0.00E+00	0.00E+00	7.91E-08
2655	419844.59	3739420.8	2.25E-07	5.18E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.18E-07	0.00E+00	0.00E+00	7.43E-07	2.83E-08	5.07E-08	0.00E+00	0.00E+00	7.90E-08
2656	419853.2	3739417.21	2.25E-07	5.17E-07	0.00E+00	0.00E+00	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.17E-07	0.00E+00	0.00E+00	7.42E-07	2.83E-08	5.06E-08	0.00E+00	0.00E+00	7.89E-08
2657	419861.81	3739413.63	2.24E-07	5.16E-07	0.00E+00	0.00E+00	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	5.16E-07	0.00E+00	0.00E+00	7.40E-07	2.82E-08	5.05E-08	0.00E+00	0.00E+00	7.87E-08
2658	419870.42	3739410.05	2.23E-07	5.14E-07	0.00E+00	0.00E+00	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.14E-07	0.00E+00	0.00E+00	7.38E-07	2.81E-08	5.04E-08	0.00E+00	0.00E+00	7.85E-08
2659	419879.03	3739406.47	2.23E-07	5.12E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.12E-07	0.00E+00	0.00E+00	7.35E-07	2.80E-08	5.02E-08	0.00E+00	0.00E+00	7.81E-08
2660	419887.64	3739402.89	2.21E-07	5.09E-07	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	5.09E-07	0.00E+00	0.00E+00	7.30E-07	2.78E-08	4.99E-08	0.00E+00	0.00E+00	7.77E-08
2661	419896.25	3739399.31	2.20E-07	5.06E-07	0.00E+00	0.00E+00	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	5.06E-07	0.00E+00	0.00E+00	7.25E-07	2.76E-08	4.95E-08	0.00E+00	0.00E+00	7.71E-08
2662	419904.86	3739395.73	2.18E-07	5.01E-07	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.01E-07	0.00E+00	0.00E+00	7.19E-07	2.74E-08	4.91E-08	0.00E+00	0.00E+00	7.65E-08
2663	419913.47	3739392.15	2.16E-07	4.97E-07	0.00E+00	0.00E+00	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	4.97E-07	0.00E+00	0.00E+00	7.13E-07	2.71E-08	4.86E-08	0.00E+00	0.00E+00	7.58E-08
2664	419922.08	3739388.57	2.14E-07	4.92E-07	0.00E+00	0.00E+00	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	4.92E-07	0.00E+00	0.00E+00	7.05E-07	2.69E-08	4.81E-08	0.00E+00	0.00E+00	7.50E-08
2665	419930.69	3739384.99	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	4.86E-07	0.00E+00	0.00E+00	6.97E-07	2.66E-08	4.76E-08	0.00E+00	0.00E+00	7.41E-08
2666	419973.74	3739367.09	1.97E-07	4.53E-07	0.00E+00	0.00E+00	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-07	4.53E-07	0.00E+00	0.00E+00	6.50E-07	2.48E-08	4.44E-08	0.00E+00	0.00E+00	6.91E-08
2667	419982.35	3739363.51	1.94E-07	4.46E-07	0.00E+00	0.00E+00	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	4.46E-07	0.00E+00	0.00E+00	6.40E-07	2.44E-08	4.37E-08	0.00E+00	0.00E+00	6.80E-08
2668	419990.96	3739359.93	1.91E-07	4.39E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	4.39E-07	0.00E+00	0.00E+00	6.29E-07	2.40E-08	4.29E-08	0.00E+00	0.00E+00	6.69E-08
2669	419999.57	3739356.35	1.87E-07	4.31E-07	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	4.31E-07	0.00E+00	0.00E+00	6.18E-07	2.36E-08	4.22E-08	0.00E+00	0.00E+00	6.58E-08
2670	420008.18	3739352.77	1.84E-07	4.23E-07	0.00E+00	0.00E+00	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-07	4.23E-07	0.00E+00	0.00E+00	6.07E-07	2.31E-08	4.15E-08	0.00E+00	0.00E+00	6.46E-08
2671	420016.79	3739349.19	1.81E-07	4.16E-07	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	4.16E-07	0.00E+00	0.00E+00	5.96E-07	2.27E-08	4.07E-08	0.00E+00	0.00E+00	6.34E-08
2672	420025.4	3739345.61	1.77E-07	4.08E-07	0.00E+00	0.00E+00	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	4.08E-07	0.00E+00	0.00E+00	5.85E-07	2.23E-08	3.99E-08	0.00E+00	0.00E+00	6.22E-08
2673	420034.01	3739342.03	1.74E-07	4.00E-07	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	4.00E-07	0.00E+00	0.00E+00	5.73E-07	2.18E-08	3.91E-08	0.00E+00	0.00E+00	6.10E-08
2674	420042.62	3739338.45	1.70E-07	3.91E-07	0.00E+00	0.00E+00	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	3.91E-07	0.00E+00	0.00E+00	5.62E-07	2.14E-08	3.83E-08	0.00E+00	0.00E+00	5.97E-08
2675	420051.23	3739334.87	1.67E-07	3.83E-07	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	3.83E-07	0.00E+00	0.00E+00	5.50E-07	2.09E-08

2727	419427.79	3739720.41	1.23E-07	2.83E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.83E-07	0.00E+00	0.00E+00	4.05E-07	1.54E-08	2.77E-08	0.00E+00	0.00E+00	4.31E-08
2728	419431.3	3739711.83	1.23E-07	2.84E-07	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.84E-07	0.00E+00	0.00E+00	4.07E-07	1.55E-08	2.78E-08	0.00E+00	0.00E+00	4.33E-08
2729	419434.81	3739703.26	1.24E-07	2.85E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.85E-07	0.00E+00	0.00E+00	4.08E-07	1.56E-08	2.79E-08	0.00E+00	0.00E+00	4.34E-08
2730	419438.32	3739694.69	1.24E-07	2.86E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.86E-07	0.00E+00	0.00E+00	4.10E-07	1.56E-08	2.80E-08	0.00E+00	0.00E+00	4.36E-08
2731	419441.83	3739686.11	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.11E-07	1.57E-08	2.81E-08	0.00E+00	0.00E+00	4.37E-08
2732	419445.34	3739677.54	1.25E-07	2.88E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.88E-07	0.00E+00	0.00E+00	4.13E-07	1.57E-08	2.82E-08	0.00E+00	0.00E+00	4.39E-08
2733	419448.85	3739668.97	1.25E-07	2.88E-07	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.88E-07	0.00E+00	0.00E+00	4.13E-07	1.57E-08	2.82E-08	0.00E+00	0.00E+00	4.39E-08
2734	419452.36	3739660.39	1.25E-07	2.88E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.88E-07	0.00E+00	0.00E+00	4.14E-07	1.58E-08	2.82E-08	0.00E+00	0.00E+00	4.40E-08
2735	419455.87	3739651.82	1.25E-07	2.89E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.89E-07	0.00E+00	0.00E+00	4.14E-07	1.58E-08	2.83E-08	0.00E+00	0.00E+00	4.40E-08
2736	419459.38	3739643.25	1.25E-07	2.89E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.89E-07	0.00E+00	0.00E+00	4.14E-07	1.58E-08	2.83E-08	0.00E+00	0.00E+00	4.41E-08
2737	419462.89	3739634.68	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.15E-07	1.58E-08	2.83E-08	0.00E+00	0.00E+00	4.41E-08
2738	419466.4	3739626.1	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.15E-07	1.58E-08	2.83E-08	0.00E+00	0.00E+00	4.42E-08
2739	419469.91	3739617.53	1.26E-07	2.90E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.90E-07	0.00E+00	0.00E+00	4.16E-07	1.58E-08	2.84E-08	0.00E+00	0.00E+00	4.43E-08
2740	419473.42	3739608.96	1.27E-07	2.91E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.91E-07	0.00E+00	0.00E+00	4.18E-07	1.59E-08	2.85E-08	0.00E+00	0.00E+00	4.45E-08
2741	419476.93	3739600.38	1.27E-07	2.93E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.93E-07	0.00E+00	0.00E+00	4.20E-07	1.60E-08	2.87E-08	0.00E+00	0.00E+00	4.47E-08
2742	419480.44	3739591.81	1.28E-07	2.94E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.94E-07	0.00E+00	0.00E+00	4.22E-07	1.61E-08	2.88E-08	0.00E+00	0.00E+00	4.49E-08
2743	419483.95	3739583.24	1.28E-07	2.96E-07	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.96E-07	0.00E+00	0.00E+00	4.24E-07	1.62E-08	2.90E-08	0.00E+00	0.00E+00	4.51E-08
2744	419487.46	3739574.66	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.26E-07	1.62E-08	2.91E-08	0.00E+00	0.00E+00	4.53E-08
2745	419490.97	3739566.09	1.30E-07	2.99E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.99E-07	0.00E+00	0.00E+00	4.28E-07	1.63E-08	2.92E-08	0.00E+00	0.00E+00	4.56E-08
2746	419494.48	3739557.52	1.30E-07	3.00E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	3.00E-07	0.00E+00	0.00E+00	4.30E-07	1.64E-08	2.94E-08	0.00E+00	0.00E+00	4.58E-08
2747	419734.86	3739386.43	1.86E-07	4.28E-07	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	4.28E-07	0.00E+00	0.00E+00	6.14E-07	2.34E-08	4.19E-08	0.00E+00	0.00E+00	6.54E-08
2748	419743.41	3739382.87	1.87E-07	4.31E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	4.31E-07	0.00E+00	0.00E+00	6.19E-07	2.36E-08	4.22E-08	0.00E+00	0.00E+00	6.58E-08
2749	419751.97	3739379.31	1.88E-07	4.34E-07	0.00E+00	0.00E+00	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	4.34E-07	0.00E+00	0.00E+00	6.22E-07	2.37E-08	4.25E-08	0.00E+00	0.00E+00	6.62E-08
2750	419760.52	3739375.75	1.89E-07	4.36E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	4.36E-07	0.00E+00	0.00E+00	6.25E-07	2.38E-08	4.27E-08	0.00E+00	0.00E+00	6.65E-08
2751	419794.73	3739361.53	1.91E-07	4.41E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	4.41E-07	0.00E+00	0.00E+00	6.32E-07	2.41E-08	4.32E-08	0.00E+00	0.00E+00	6.72E-08
2752	419803.29	3739357.97	1.92E-07	4.41E-07	0.00E+00	0.00E+00	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	4.41E-07	0.00E+00	0.00E+00	6.33E-07	2.41E-08	4.32E-08	0.00E+00	0.00E+00	6.73E-08
2753	419811.84	3739354.41	1.92E-07	4.41E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-07	4.41E-07	0.00E+00	0.00E+00	6.32E-07	2.41E-08	4.32E-08	0.00E+00	0.00E+00	6.73E-08
2754	419820.4	3739350.86	1.91E-07	4.40E-07	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	4.40E-07	0.00E+00	0.00E+00	6.32E-07	2.41E-08	4.31E-08	0.00E+00	0.00E+00	6.72E-08
2755	419828.95	3739347.3	1.91E-07	4.39E-07	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-07	4.39E-07	0.00E+00	0.00E+00	6.30E-07	2.40E-08	4.30E-08	0.00E+00	0.00E+00	6.70E-08
2756	419837.5	3739343.74	1.90E-07	4.38E-07	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	4.38E-07	0.00E+00	0.00E+00	6.28E-07	2.39E-08	4.29E-08	0.00E+00	0.00E+00	6.68E-08
2757	419846.06	3739340.19	1.90E-07	4.36E-07	0.00E+00	0.00E+00	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	4.36E-07	0.00E+00	0.00E+00	6.26E-07	2.38E-08	4.27E-08	0.00E+00	0.00E+00	6.65E-08
2758	419854.61	3739336.63	1.89E-07	4.34E-07	0.00E+00	0.00E+00	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-07	4.34E-07	0.00E+00	0.00E+00	6.23E-07	2.37E-08	4.25E-08	0.00E+00	0.00E+00	6.62E-08
2759	419863.16	3739333.07	1.87E-07	4.32E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	4.32E-07	0.00E+00	0.00E+00	6.19E-07	2.36E-08	4.23E-08	0.00E+00	0.00E+00	6.58E-08
2760	419871.72	3739329.52	1.86E-07	4.29E-07	0.00E+00	0.00E+00	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	4.29E-07	0.00E+00	0.00E+00	6.15E-07	2.34E-08	4.20E-08	0.00E+00	0.00E+00	6.54E-08
2761	419880.27	3739325.96	1.85E-07	4.25E-07	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	4.25E-07	0.00E+00	0.00E+00	6.10E-07	2.32E-08	4.17E-08	0.00E+00	0.00E+00	6.49E-08
2762	419888.82	3739322.4	1.83E-07	4.22E-07	0.00E+00	0.00E+00	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	4.22E-07	0.00E+00	0.00E+00	6.05E-07	2.31E-08	4.13E-08	0.00E+00	0.00E+00	6.44E-08
2763	419897.38	3739318.85	1.82E-07	4.18E-07	0.00E+00	0.00E+00	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	4.18E-07	0.00E+00	0.00E+00	6.00E-07	2.28E-08	4.09E-08	0.00E+00	0.00E+00	6.38E-08
2764	419905.93	3739315.29	1.80E-07	4.14E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	4.14E-07	0.00E+00	0.00E+00	5.94E-07	2.26E-08	4.05E-08	0.00E+00	0.00E+00	6.31E-08
2765	419914.49	3739311.73	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	4.10E-07	0.00E+00	0.00E+00	5.87E-07	2.24E-08	4.01E-08	0.00E+00	0.00E+00	6.25E-08
2766	419923.04	3739308.18	1.76E-07	4.05E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	4.05E-07	0.00E+00	0.00E+00	5.81E-07	2.21E-08	3.96E-08	0.00E+00	0.00E+00	6.18E-08
2767	419931.59	3739304.62	1.74E-07	4.00E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-07	4.00E-07	0.00E+00	0.00E+00	5.74E-07	2.19E-08	3.92E-08	0.00E+00	0.00E+00	6.10E-08
2768	419940.15	3739301.06	1.72E-07	3.95E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	3.95E-07	0.00E+00	0.00E+00	5.66E-07	2.16E-08	3.87E-08	0.00E+00	0.00E+00	6.02E-08
2769	419948.7	3739297.51	1.69E-07	3.89E-07	0.00E+00	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	3.89E-07	0.00E+00	0.00E+00	5.59E-07	2.13E-08	3.81E-08	0.00E+00	0.00E+00	5.94E-08
2770	419957.25	3739293.95	1.67E-07	3.84E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	3.84E-07	0.00E+00	0.00E+00	5.51E-07	2.10E-08	3.76E-08	0.00E+00	0.00E+00	5.86E-08
2771	419965.81	3739290.39	1.64E-07	3.78E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	3.78E-07	0.00E+00	0.00E+00	5.43E-07	2.07E-08	3.70E-08	0.00E+00	0.00E+00	5.77E-08
2772	419974.36	3739286.83	1.62E-07	3.72E-07	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	3.72E-07	0.00E+00	0.00E+00	5.34E-07	2.03E-08	3.65E-08	0.00E+00	0.00E+00	5.68E-08
2773	419982.91	3739283.28	1.59E-07	3.66E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	3.66E-07	0.00E+00	0.00E+00	5.26E-07	2.00E-08	3.59E-08	0.00E+00	0.00E+00	5.59E-08
2774	419991.47	3739279.72	1.57E-07	3.60E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.60E-07	0.00E+00	0.00E+00	5.17E-07	1.97E-08	3.53E-08	0.00E+00	0.00E+00	5.50E-08
2775	420000.02	3739276.16	1.54E-07	3.54E-07	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	3.54E-07	0.00E+00	0.00E+00	5.08E-07	1.94E-08	3.47E-08	0.00E+00	0.00E+00	5.40E-08
2776	420008.57	3739272.61	1.51E-07	3.48E-07	0.00E+00	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	3.48E-07	0.00E+00	0.00E+00	4.99E-07	1.90E-08	3.41E-08	0.00E+00	0.00E+00	5.31E-08
2777	420017.13	3739269.05	1.48E-07	3.42E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	3.42E-07	0.00E+00	0.00E+00	4.90E-07	1.87E-08	3.35E-08	0.00E+00	0.00E+00	5.21E-08
2778	420025.68	3739265.49	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	3.35E-07	0.00E+00	0.00E+00	4.81E-07	1.83E-08	3.28E-08	0.00E+00	0.00E+00	5.12E-08
2779	420034.24	3739261.94	1.43E-07	3.29E-07	0.00E+00	0.00E+00	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	3.29E-07	0.00E+00	0.00E+00	4.72E-07	1.80E-08	3.22E-08	0.00E+00	0.00E+00	5.02E-08
2780	420042.79	3739258.38	1.40E-07	3.23E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	3.23E-07	0.00E+00	0.00E+00	4.63E-07	1.76E-08	3.16E-08	0.00E+00	0.00E+00	4.93E-08
2781	420051.34	3739254.82	1.38E-07	3.17E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	3.17E-07	0.00E+00	0.00E+00	4.54E-07	1.73E-08	3.10E-08	0.00E+00	0.00E+00	4.83E-08
2782	420059.9	3739251.27	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.46E-07	1.70E-08	3.04E-08	0.00E+00	0.00E+00	4.74E-08
2783	419374.26	3739753.69	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.69E-07	1.41E-08	2.52E-08	0.00E+00	0.00E+00	3.92E-08
2784	419377.78	3739745.07	1.12E-07	2.58E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.58E-07	0.00E+00	0.00E+00	3.70E-07	1.41E-08	2.53E-08	0.00E+00	0.00E+00	3.94E-08
2785	419381.31	3739736.46	1.12E-07	2.59E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.59E-07	0.00E+00	0.00E+00	3.71E-07	1.41E-08	2.53E-08	0.00E+00	0.00E+00	3.95E-08
2786	419384.84	3739727.85	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.72E-07	1.42E-08	2.54E-08	0.00E+00	0.00E+00	3.96E-08
2787	419388.36	3739719.23	1.13E-07	2.61E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.61E-07	0.00E+00	0.00E+00	3.74E-07	1.42E-08	2.55E-08	0.00E+00	0.00E+00	3.97E-08
2788	419402.47	3739684.78	1.15E-07	2.64E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.64E-07	0.00E+00	0.00E+00	3.78E-07	1.44E-08	2.58E-08	0.00E+00	0.00E+00	4.02E-08
2789	419406	3739676.16	1.15E-07	2.64E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.64E-07	0.00E+00	0.00E+00	3.79E-07	1.44E-08	2.59E-08	0.00E+00	0.00E+00	4.03E-08
2790	419409.52	3739667.55	1.15E-07	2.65E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.65E-07	0.00E+00	0.00E+00	3.80E-07	1.45E-08	2.59E-08	0.00E+00	0.00E+00	4.04E-08
2791	419413.05	3739658.93	1.15E-07	2.66E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.66E-07	0.00E+00	0.00E+00	3.81E-07	1.45E-08	2.60E-08	0.00E+00	0.00E+00	4.05E-08
2792	419416.58	3739650.32	1.16E-07	2.66E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.66E-07	0.00E+00	0.00E+00	3.82E-07	1.45E-08	2.61E-08	0.00E+00	0.00E+00	4.06E-08
2793	419420.1	3739641.7	1.16E-07	2.67E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.67E-07	0.00E+00	0.00E+00	3.82E-07	1.46E-08	2.61E-08	0.00E+00	0.00E+00	4.07E-08
2794	419423.63	3739633.09	1.16E-07	2.67E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.67E-07	0.00E+00	0.00E+00	3.83E-07	1.46E-08	2.61E-08	0.00E+00	0.00E+00	4.07E-08
2795	419427.15	3739624.48	1.16E-07	2.67E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.67E-07	0.00E+00	0.00E+00	3.84E-07	1.46E-08	2.62E-08	0.00E+00	0.00E+00	4.08E-08
2796	419430.68	3739615.86	1.16E-07	2.68E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.68E-07	0.00E+00	0.00E+00	3.85E-07	1.46E-08	2.62E-08	0.00E+00	0.00E+00	4.09E-08
2797	419434.21	3739607.25	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.86E-07	1.47E-08	2.64E-08	0.00E+00	0.00E+00	4.11E-08
2798	419437.73	3739598.63	1.17E-07	2.70E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.70E-07	0.00E+00	0.00E+00	3.88E-07	1.48E-08	2.65E-08	0.00E+00	0.00E+00	4.12E-08
2799	419441.26	3739590.02	1.18E-07	2.71E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.71E-07	0.00E+00	0.00E+00	3.89E-07	1.48E-08	2.66E-08	0.00E+00	0.00E+00	4.14E-08
2800	419444.79	3739581.41	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.91E-07	1.49E-08	2.67E-08	0.00E+00	0.00E+00	4.15E-08
2801	419448.31	3739572.79	1.19E-07	2.73E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.73E-07	0.00E+00	0.00E+00	3.92E-07	1.49E-08	2.68E-08	0.00E+00	0.00E+00	4.17E-08
2802	419451.84	3739564.18	1.19E-07	2.75E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.75E-07	0.00E+00	0.00E+00	3.94E-07	1.50E-08	2.69E-08	0.00E+00	0.00E+00	4.19E-08
2803	419455.37	3739555.56	1.20E-07	2.76E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.76E-07	0.00E+00	0.00E+00	3.95E-07	1.51E-08	2.70E-08	0.00E+00	0.00E+00	4.20E-08
2804	419465.95	3739529.72	1.21E-07	2.78E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.78E-07	0.00E+00	0.00E+00	3.99E-07	1.52E-08	2.72E-08	0.00E+00	0.00E+00	4.24E-08
2805	419469.47	3739521.11	1.21E-07	2.79E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.79E-07	0.00E+00	0.00E+00	4.00E-07	1.52E

2857	419341.8	3739735.48	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.42E-07	1.30E-08	2.34E-08	0.00E+00	0.00E+00	3.64E-08
2858	419345.34	3739726.83	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	1.31E-08	2.34E-08	0.00E+00	0.00E+00	3.65E-08
2859	419348.89	3739718.18	1.04E-07	2.40E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.40E-07	0.00E+00	0.00E+00	3.44E-07	1.31E-08	2.35E-08	0.00E+00	0.00E+00	3.66E-08
2860	419352.43	3739709.53	1.05E-07	2.41E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.41E-07	0.00E+00	0.00E+00	3.45E-07	1.32E-08	2.36E-08	0.00E+00	0.00E+00	3.67E-08
2861	419355.97	3739700.87	1.05E-07	2.41E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.41E-07	0.00E+00	0.00E+00	3.46E-07	1.32E-08	2.36E-08	0.00E+00	0.00E+00	3.68E-08
2862	419359.51	3739692.22	1.05E-07	2.42E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.42E-07	0.00E+00	0.00E+00	3.47E-07	1.32E-08	2.37E-08	0.00E+00	0.00E+00	3.69E-08
2863	419363.05	3739683.57	1.05E-07	2.43E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.43E-07	0.00E+00	0.00E+00	3.48E-07	1.33E-08	2.38E-08	0.00E+00	0.00E+00	3.70E-08
2864	419366.59	3739674.92	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	1.33E-08	2.38E-08	0.00E+00	0.00E+00	3.71E-08
2865	419377.22	3739648.97	1.07E-07	2.45E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.45E-07	0.00E+00	0.00E+00	3.52E-07	1.34E-08	2.40E-08	0.00E+00	0.00E+00	3.74E-08
2866	419380.76	3739640.31	1.07E-07	2.46E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.46E-07	0.00E+00	0.00E+00	3.53E-07	1.34E-08	2.41E-08	0.00E+00	0.00E+00	3.75E-08
2867	419384.3	3739631.66	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.54E-07	1.35E-08	2.42E-08	0.00E+00	0.00E+00	3.76E-08
2868	419387.85	3739623.01	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.55E-07	1.35E-08	2.42E-08	0.00E+00	0.00E+00	3.77E-08
2869	419391.39	3739614.36	1.08E-07	2.48E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	2.48E-07	0.00E+00	0.00E+00	3.56E-07	1.36E-08	2.43E-08	0.00E+00	0.00E+00	3.79E-08
2870	419394.93	3739605.71	1.08E-07	2.49E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	2.49E-07	0.00E+00	0.00E+00	3.57E-07	1.36E-08	2.44E-08	0.00E+00	0.00E+00	3.80E-08
2871	419398.47	3739597.06	1.09E-07	2.50E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.50E-07	0.00E+00	0.00E+00	3.59E-07	1.37E-08	2.45E-08	0.00E+00	0.00E+00	3.81E-08
2872	419402.01	3739588.41	1.09E-07	2.51E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.51E-07	0.00E+00	0.00E+00	3.60E-07	1.37E-08	2.46E-08	0.00E+00	0.00E+00	3.83E-08
2873	419405.55	3739579.75	1.09E-07	2.52E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.52E-07	0.00E+00	0.00E+00	3.61E-07	1.38E-08	2.46E-08	0.00E+00	0.00E+00	3.84E-08
2874	419409.1	3739571.1	1.10E-07	2.52E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.52E-07	0.00E+00	0.00E+00	3.62E-07	1.38E-08	2.47E-08	0.00E+00	0.00E+00	3.85E-08
2875	419412.64	3739562.45	1.10E-07	2.53E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.53E-07	0.00E+00	0.00E+00	3.63E-07	1.38E-08	2.48E-08	0.00E+00	0.00E+00	3.86E-08
2876	419416.18	3739553.8	1.10E-07	2.54E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.54E-07	0.00E+00	0.00E+00	3.64E-07	1.39E-08	2.49E-08	0.00E+00	0.00E+00	3.87E-08
2877	419423.26	3739536.5	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.55E-07	0.00E+00	0.00E+00	3.66E-07	1.39E-08	2.50E-08	0.00E+00	0.00E+00	3.89E-08
2878	419426.81	3739527.84	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.67E-07	1.40E-08	2.50E-08	0.00E+00	0.00E+00	3.90E-08
2879	419430.35	3739519.19	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.68E-07	1.40E-08	2.51E-08	0.00E+00	0.00E+00	3.91E-08
2880	419433.89	3739510.54	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.68E-07	1.40E-08	2.52E-08	0.00E+00	0.00E+00	3.92E-08
2881	419437.43	3739501.89	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.69E-07	1.41E-08	2.52E-08	0.00E+00	0.00E+00	3.93E-08
2882	419440.97	3739493.24	1.12E-07	2.58E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.58E-07	0.00E+00	0.00E+00	3.71E-07	1.41E-08	2.53E-08	0.00E+00	0.00E+00	3.94E-08
2883	419444.51	3739484.59	1.13E-07	2.59E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.59E-07	0.00E+00	0.00E+00	3.72E-07	1.42E-08	2.54E-08	0.00E+00	0.00E+00	3.95E-08
2884	419448.06	3739475.94	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.73E-07	1.42E-08	2.55E-08	0.00E+00	0.00E+00	3.97E-08
2885	419451.6	3739467.28	1.13E-07	2.61E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.61E-07	0.00E+00	0.00E+00	3.74E-07	1.43E-08	2.55E-08	0.00E+00	0.00E+00	3.98E-08
2886	419455.14	3739458.63	1.14E-07	2.62E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.62E-07	0.00E+00	0.00E+00	3.75E-07	1.43E-08	2.56E-08	0.00E+00	0.00E+00	3.99E-08
2887	419458.68	3739449.98	1.14E-07	2.62E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.62E-07	0.00E+00	0.00E+00	3.76E-07	1.43E-08	2.57E-08	0.00E+00	0.00E+00	4.00E-08
2888	419462.22	3739441.33	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.77E-07	1.44E-08	2.57E-08	0.00E+00	0.00E+00	4.01E-08
2889	419465.77	3739432.68	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.78E-07	1.44E-08	2.58E-08	0.00E+00	0.00E+00	4.02E-08
2890	419469.31	3739424.03	1.15E-07	2.64E-07	0.00E+00	0.00E+00	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.64E-07	0.00E+00	0.00E+00	3.78E-07	1.44E-08	2.58E-08	0.00E+00	0.00E+00	4.02E-08
2891	419481.48	3739411.79	1.16E-07	2.68E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.68E-07	0.00E+00	0.00E+00	3.84E-07	1.46E-08	2.62E-08	0.00E+00	0.00E+00	4.09E-08
2892	419490.11	3739408.2	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.90E-07	1.49E-08	2.66E-08	0.00E+00	0.00E+00	4.15E-08
2893	419498.75	3739404.61	1.20E-07	2.76E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.76E-07	0.00E+00	0.00E+00	3.96E-07	1.51E-08	2.71E-08	0.00E+00	0.00E+00	4.22E-08
2894	419688.65	3739325.64	1.59E-07	3.66E-07	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-07	3.66E-07	0.00E+00	0.00E+00	5.25E-07	2.00E-08	3.58E-08	0.00E+00	0.00E+00	5.58E-08
2895	419697.28	3739322.05	1.60E-07	3.68E-07	0.00E+00	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	3.68E-07	0.00E+00	0.00E+00	5.28E-07	2.01E-08	3.61E-08	0.00E+00	0.00E+00	5.62E-08
2896	419705.91	3739318.46	1.61E-07	3.71E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	3.71E-07	0.00E+00	0.00E+00	5.32E-07	2.03E-08	3.63E-08	0.00E+00	0.00E+00	5.66E-08
2897	419714.54	3739314.87	1.62E-07	3.73E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	3.73E-07	0.00E+00	0.00E+00	5.35E-07	2.04E-08	3.65E-08	0.00E+00	0.00E+00	5.69E-08
2898	419723.17	3739311.28	1.63E-07	3.75E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	3.75E-07	0.00E+00	0.00E+00	5.38E-07	2.05E-08	3.67E-08	0.00E+00	0.00E+00	5.72E-08
2899	419731.81	3739307.69	1.64E-07	3.77E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	3.77E-07	0.00E+00	0.00E+00	5.40E-07	2.06E-08	3.69E-08	0.00E+00	0.00E+00	5.74E-08
2900	419740.44	3739304.11	1.64E-07	3.78E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	3.78E-07	0.00E+00	0.00E+00	5.42E-07	2.06E-08	3.70E-08	0.00E+00	0.00E+00	5.76E-08
2901	419749.07	3739300.52	1.65E-07	3.79E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	3.79E-07	0.00E+00	0.00E+00	5.43E-07	2.07E-08	3.71E-08	0.00E+00	0.00E+00	5.78E-08
2902	419757.7	3739296.93	1.65E-07	3.79E-07	0.00E+00	0.00E+00	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	3.79E-07	0.00E+00	0.00E+00	5.44E-07	2.07E-08	3.71E-08	0.00E+00	0.00E+00	5.79E-08
2903	419766.33	3739293.34	1.65E-07	3.80E-07	0.00E+00	0.00E+00	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	3.80E-07	0.00E+00	0.00E+00	5.45E-07	2.07E-08	3.72E-08	0.00E+00	0.00E+00	5.79E-08
2904	419792.23	3739282.57	1.65E-07	3.79E-07	0.00E+00	0.00E+00	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	3.79E-07	0.00E+00	0.00E+00	5.44E-07	2.07E-08	3.71E-08	0.00E+00	0.00E+00	5.78E-08
2905	419800.86	3739278.98	1.64E-07	3.78E-07	0.00E+00	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	3.78E-07	0.00E+00	0.00E+00	5.42E-07	2.07E-08	3.70E-08	0.00E+00	0.00E+00	5.77E-08
2906	419809.49	3739275.39	1.64E-07	3.77E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	3.77E-07	0.00E+00	0.00E+00	5.41E-07	2.06E-08	3.69E-08	0.00E+00	0.00E+00	5.75E-08
2907	419818.13	3739271.8	1.63E-07	3.76E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	3.76E-07	0.00E+00	0.00E+00	5.39E-07	2.05E-08	3.68E-08	0.00E+00	0.00E+00	5.73E-08
2908	419826.76	3739268.21	1.62E-07	3.74E-07	0.00E+00	0.00E+00	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	3.74E-07	0.00E+00	0.00E+00	5.36E-07	2.04E-08	3.66E-08	0.00E+00	0.00E+00	5.71E-08
2909	419835.39	3739264.62	1.62E-07	3.72E-07	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	3.72E-07	0.00E+00	0.00E+00	5.34E-07	2.03E-08	3.64E-08	0.00E+00	0.00E+00	5.68E-08
2910	419844.02	3739261.03	1.61E-07	3.70E-07	0.00E+00	0.00E+00	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	3.70E-07	0.00E+00	0.00E+00	5.30E-07	2.02E-08	3.62E-08	0.00E+00	0.00E+00	5.64E-08
2911	419852.65	3739257.44	1.60E-07	3.67E-07	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	3.67E-07	0.00E+00	0.00E+00	5.27E-07	2.01E-08	3.60E-08	0.00E+00	0.00E+00	5.60E-08
2912	419861.28	3739253.85	1.58E-07	3.64E-07	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	3.64E-07	0.00E+00	0.00E+00	5.23E-07	1.99E-08	3.57E-08	0.00E+00	0.00E+00	5.56E-08
2913	419869.92	3739250.27	1.57E-07	3.61E-07	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.61E-07	0.00E+00	0.00E+00	5.18E-07	1.97E-08	3.54E-08	0.00E+00	0.00E+00	5.51E-08
2914	419878.55	3739246.68	1.56E-07	3.58E-07	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	3.58E-07	0.00E+00	0.00E+00	5.14E-07	1.96E-08	3.51E-08	0.00E+00	0.00E+00	5.46E-08
2915	419887.18	3739243.09	1.54E-07	3.55E-07	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	3.55E-07	0.00E+00	0.00E+00	5.09E-07	1.94E-08	3.47E-08	0.00E+00	0.00E+00	5.41E-08
2916	419895.81	3739239.5	1.52E-07	3.51E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.51E-07	0.00E+00	0.00E+00	5.04E-07	1.92E-08	3.44E-08	0.00E+00	0.00E+00	5.35E-08
2917	419904.44	3739235.91	1.51E-07	3.47E-07	0.00E+00	0.00E+00	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	3.47E-07	0.00E+00	0.00E+00	4.98E-07	1.90E-08	3.40E-08	0.00E+00	0.00E+00	5.30E-08
2918	419913.08	3739232.32	1.49E-07	3.43E-07	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.43E-07	0.00E+00	0.00E+00	4.92E-07	1.87E-08	3.36E-08	0.00E+00	0.00E+00	5.23E-08
2919	419921.71	3739228.73	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.86E-07	1.85E-08	3.32E-08	0.00E+00	0.00E+00	5.17E-08
2920	419930.34	3739225.14	1.45E-07	3.35E-07	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	3.35E-07	0.00E+00	0.00E+00	4.80E-07	1.83E-08	3.28E-08	0.00E+00	0.00E+00	5.10E-08
2921	419938.97	3739221.55	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.74E-07	1.80E-08	3.23E-08	0.00E+00	0.00E+00	5.04E-08
2922	419947.6	3739217.96	1.41E-07	3.26E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.26E-07	0.00E+00	0.00E+00	4.67E-07	1.78E-08	3.19E-08	0.00E+00	0.00E+00	4.97E-08
2923	419956.24	3739214.37	1.39E-07	3.21E-07	0.00E+00	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	3.21E-07	0.00E+00	0.00E+00	4.61E-07	1.75E-08	3.14E-08	0.00E+00	0.00E+00	4.90E-08
2924	419964.87	3739210.78	1.37E-07	3.16E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.16E-07	0.00E+00	0.00E+00	4.54E-07	1.73E-08	3.10E-08	0.00E+00	0.00E+00	4.83E-08
2925	419973.5	3739207.19	1.35E-07	3.12E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.12E-07	0.00E+00	0.00E+00	4.47E-07	1.70E-08	3.05E-08	0.00E+00	0.00E+00	4.76E-08
2926	419982.13	3739203.6	1.33E-07	3.07E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-07	3.07E-07	0.00E+00	0.00E+00	4.40E-07	1.68E-08	3.01E-08	0.00E+00	0.00E+00	4.68E-08
2927	419990.76	3739200.01	1.31E-07	3.02E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.02E-07	0.00E+00	0.00E+00	4.33E-07	1.65E-08	2.96E-08	0.00E+00	0.00E+00	4.61E-08
2928	419999.39	3739196.42	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.26E-07	1.62E-08	2.91E-08	0.00E+00	0.00E+00	4.53E-08
2929	420008.03	3739192.84	1.27E-07	2.92E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.92E-07	0.00E+00	0.00E+00	4.19E-07	1.60E-08	2.86E-08	0.00E+00	0.00E+00	4.46E-08
2930	420016.66	3739189.25	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.12E-07	1.57E-08	2.81E-08	0.00E+00	0.00E+00	4.38E-08
2931	420025.29	3739185.66	1.23E-07	2.82E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.82E-07	0.00E+00	0.00E+00	4.05E-07	1.54E-08	2.76E-08	0.00E+00	0.00E+00	4.30E-08
2932	420033.92	3739182.07	1.20E-07	2.77E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.77E-07	0.00E+00	0.00E+00	3.97E-07	1.51E-08	2.71E-08	0.00E+00	0.00E+00	4.23E-08
2933	419295.14	3739751.97	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	1.20E-08	2.15E-08	0.00E+00	0.00E+00	3.35E-08
2934	419298.7	3739743.29	9.57E-08	2.20E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-08	2.20E-07	0.00E+00	0.00E+00	3.16E-07	1.20E-08	2.16E-08	0.00E+00	0.00E+00	3.36E-08
2935	419302.25	3739734.6	9.59E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	1.21E-08	2.16E-

2987	419851.8	3739217.8	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-07	3.39E-07	0.00E+00	0.00E+00	4.86E-07	1.85E-08	3.32E-08	0.00E+00	0.00E+00	5.17E-08
2988	419860.46	3739214.2	1.46E-07	3.36E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	3.36E-07	0.00E+00	0.00E+00	4.82E-07	1.84E-08	3.29E-08	0.00E+00	0.00E+00	5.13E-08
2989	419869.13	3739210.59	1.45E-07	3.33E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-07	3.33E-07	0.00E+00	0.00E+00	4.78E-07	1.82E-08	3.26E-08	0.00E+00	0.00E+00	5.08E-08
2990	419877.79	3739206.99	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	3.30E-07	0.00E+00	0.00E+00	4.73E-07	1.80E-08	3.23E-08	0.00E+00	0.00E+00	5.03E-08
2991	419886.46	3739203.39	1.42E-07	3.27E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	3.27E-07	0.00E+00	0.00E+00	4.68E-07	1.78E-08	3.20E-08	0.00E+00	0.00E+00	4.98E-08
2992	419895.13	3739199.78	1.40E-07	3.23E-07	0.00E+00	0.00E+00	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	3.23E-07	0.00E+00	0.00E+00	4.63E-07	1.77E-08	3.16E-08	0.00E+00	0.00E+00	4.93E-08
2993	419903.79	3739196.18	1.39E-07	3.19E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	3.19E-07	0.00E+00	0.00E+00	4.58E-07	1.75E-08	3.13E-08	0.00E+00	0.00E+00	4.87E-08
2994	419912.46	3739192.57	1.37E-07	3.16E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.16E-07	0.00E+00	0.00E+00	4.53E-07	1.73E-08	3.09E-08	0.00E+00	0.00E+00	4.82E-08
2995	419921.13	3739188.97	1.36E-07	3.12E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	3.12E-07	0.00E+00	0.00E+00	4.47E-07	1.70E-08	3.05E-08	0.00E+00	0.00E+00	4.76E-08
2996	419929.79	3739185.37	1.34E-07	3.08E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	3.08E-07	0.00E+00	0.00E+00	4.42E-07	1.68E-08	3.02E-08	0.00E+00	0.00E+00	4.70E-08
2997	419938.46	3739181.76	1.32E-07	3.04E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	3.04E-07	0.00E+00	0.00E+00	4.36E-07	1.66E-08	2.98E-08	0.00E+00	0.00E+00	4.64E-08
2998	419973.12	3739167.35	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.12E-07	1.57E-08	2.81E-08	0.00E+00	0.00E+00	4.38E-08
2999	419981.79	3739163.75	1.23E-07	2.83E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.83E-07	0.00E+00	0.00E+00	4.05E-07	1.54E-08	2.77E-08	0.00E+00	0.00E+00	4.31E-08
3000	419990.45	3739160.14	1.21E-07	2.78E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.78E-07	0.00E+00	0.00E+00	3.99E-07	1.52E-08	2.72E-08	0.00E+00	0.00E+00	4.24E-08
3001	419999.12	3739156.54	1.19E-07	2.74E-07	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.74E-07	0.00E+00	0.00E+00	3.92E-07	1.49E-08	2.68E-08	0.00E+00	0.00E+00	4.17E-08
3002	420007.79	3739152.94	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.86E-07	1.47E-08	2.64E-08	0.00E+00	0.00E+00	4.11E-08
3003	420016.45	3739149.33	1.15E-07	2.65E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.65E-07	0.00E+00	0.00E+00	3.80E-07	1.45E-08	2.59E-08	0.00E+00	0.00E+00	4.04E-08
3004	420025.12	3739145.73	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.60E-07	0.00E+00	0.00E+00	3.73E-07	1.42E-08	2.55E-08	0.00E+00	0.00E+00	3.97E-08
3005	420033.79	3739142.12	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.67E-07	1.40E-08	2.50E-08	0.00E+00	0.00E+00	3.90E-08
3006	420042.45	3739138.52	1.09E-07	2.51E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-07	2.51E-07	0.00E+00	0.00E+00	3.60E-07	1.37E-08	2.46E-08	0.00E+00	0.00E+00	3.83E-08
3007	420051.12	3739134.92	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.47E-07	0.00E+00	0.00E+00	3.54E-07	1.35E-08	2.42E-08	0.00E+00	0.00E+00	3.76E-08
3008	420059.78	3739131.31	1.05E-07	2.42E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.42E-07	0.00E+00	0.00E+00	3.48E-07	1.32E-08	2.37E-08	0.00E+00	0.00E+00	3.70E-08
3009	419254.12	3739754.69	8.85E-08	2.04E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-08	2.04E-07	0.00E+00	0.00E+00	2.92E-07	1.11E-08	1.99E-08	0.00E+00	0.00E+00	3.11E-08
3010	419257.64	3739746.08	8.88E-08	2.04E-07	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-08	2.04E-07	0.00E+00	0.00E+00	2.93E-07	1.12E-08	2.00E-08	0.00E+00	0.00E+00	3.12E-08
3011	419261.16	3739737.48	8.90E-08	2.05E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-08	2.05E-07	0.00E+00	0.00E+00	2.94E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.12E-08
3012	419264.69	3739728.88	8.92E-08	2.05E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-08	2.05E-07	0.00E+00	0.00E+00	2.95E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.13E-08
3013	419268.21	3739720.28	8.94E-08	2.06E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-08	2.06E-07	0.00E+00	0.00E+00	2.95E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.14E-08
3014	419271.73	3739711.67	8.95E-08	2.06E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-08	2.06E-07	0.00E+00	0.00E+00	2.96E-07	1.13E-08	2.02E-08	0.00E+00	0.00E+00	3.14E-08
3015	419275.25	3739703.07	8.97E-08	2.06E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-08	2.06E-07	0.00E+00	0.00E+00	2.96E-07	1.13E-08	2.02E-08	0.00E+00	0.00E+00	3.15E-08
3016	419278.77	3739694.47	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	1.13E-08	2.02E-08	0.00E+00	0.00E+00	3.15E-08
3017	419282.29	3739685.87	9.00E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	1.13E-08	2.03E-08	0.00E+00	0.00E+00	3.16E-08
3018	419285.82	3739677.26	9.02E-08	2.08E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	2.08E-07	0.00E+00	0.00E+00	2.98E-07	1.13E-08	2.03E-08	0.00E+00	0.00E+00	3.17E-08
3019	419289.34	3739668.66	9.05E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.18E-08
3020	419292.86	3739660.06	9.07E-08	2.09E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	2.09E-07	0.00E+00	0.00E+00	2.99E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.18E-08
3021	419296.38	3739651.45	9.09E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	1.14E-08	2.05E-08	0.00E+00	0.00E+00	3.19E-08
3022	419299.9	3739642.85	9.11E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	1.15E-08	2.05E-08	0.00E+00	0.00E+00	3.20E-08
3023	419303.43	3739634.25	9.13E-08	2.10E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-08	2.10E-07	0.00E+00	0.00E+00	3.02E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.21E-08
3024	419306.95	3739625.65	9.16E-08	2.11E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-08	2.11E-07	0.00E+00	0.00E+00	3.02E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.22E-08
3025	419310.47	3739617.04	9.18E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	1.15E-08	2.07E-08	0.00E+00	0.00E+00	3.22E-08
3026	419313.99	3739608.44	9.22E-08	2.12E-07	0.00E+00	0.00E+00	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-08	2.12E-07	0.00E+00	0.00E+00	3.04E-07	1.16E-08	2.08E-08	0.00E+00	0.00E+00	3.24E-08
3027	419317.51	3739599.84	9.25E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-08	2.13E-07	0.00E+00	0.00E+00	3.05E-07	1.16E-08	2.09E-08	0.00E+00	0.00E+00	3.25E-08
3028	419331.6	3739565.43	9.37E-08	2.16E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-08	2.16E-07	0.00E+00	0.00E+00	3.09E-07	1.18E-08	2.11E-08	0.00E+00	0.00E+00	3.29E-08
3029	419335.12	3739556.82	9.39E-08	2.16E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-08	2.16E-07	0.00E+00	0.00E+00	3.10E-07	1.18E-08	2.12E-08	0.00E+00	0.00E+00	3.30E-08
3030	419342.17	3739539.62	9.45E-08	2.17E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-08	2.17E-07	0.00E+00	0.00E+00	3.12E-07	1.19E-08	2.13E-08	0.00E+00	0.00E+00	3.32E-08
3031	419345.69	3739531.02	9.47E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	2.18E-07	0.00E+00	0.00E+00	3.13E-07	1.19E-08	2.13E-08	0.00E+00	0.00E+00	3.33E-08
3032	419349.21	3739522.41	9.49E-08	2.19E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-08	2.19E-07	0.00E+00	0.00E+00	3.13E-07	1.19E-08	2.14E-08	0.00E+00	0.00E+00	3.33E-08
3033	419352.73	3739513.81	9.52E-08	2.19E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-08	2.19E-07	0.00E+00	0.00E+00	3.14E-07	1.20E-08	2.14E-08	0.00E+00	0.00E+00	3.34E-08
3034	419356.25	3739505.21	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	1.20E-08	2.15E-08	0.00E+00	0.00E+00	3.35E-08
3035	419359.78	3739496.61	9.56E-08	2.20E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-08	2.20E-07	0.00E+00	0.00E+00	3.16E-07	1.20E-08	2.16E-08	0.00E+00	0.00E+00	3.36E-08
3036	419363.3	3739488	9.59E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	1.21E-08	2.16E-08	0.00E+00	0.00E+00	3.37E-08
3037	419366.82	3739479.4	9.61E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-08	2.21E-07	0.00E+00	0.00E+00	3.17E-07	1.21E-08	2.17E-08	0.00E+00	0.00E+00	3.37E-08
3038	419370.34	3739470.8	9.63E-08	2.22E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-08	2.22E-07	0.00E+00	0.00E+00	3.18E-07	1.21E-08	2.17E-08	0.00E+00	0.00E+00	3.38E-08
3039	419373.86	3739462.2	9.66E-08	2.22E-07	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-08	2.22E-07	0.00E+00	0.00E+00	3.19E-07	1.21E-08	2.18E-08	0.00E+00	0.00E+00	3.39E-08
3040	419377.39	3739453.59	9.69E-08	2.23E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-08	2.23E-07	0.00E+00	0.00E+00	3.20E-07	1.22E-08	2.18E-08	0.00E+00	0.00E+00	3.40E-08
3041	419380.91	3739444.99	9.71E-08	2.24E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	2.24E-07	0.00E+00	0.00E+00	3.21E-07	1.22E-08	2.19E-08	0.00E+00	0.00E+00	3.41E-08
3042	419384.43	3739436.39	9.74E-08	2.24E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-08	2.24E-07	0.00E+00	0.00E+00	3.22E-07	1.23E-08	2.20E-08	0.00E+00	0.00E+00	3.42E-08
3043	419387.95	3739427.78	9.78E-08	2.25E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	2.25E-07	0.00E+00	0.00E+00	3.23E-07	1.23E-08	2.20E-08	0.00E+00	0.00E+00	3.43E-08
3044	419391.47	3739419.18	9.81E-08	2.26E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-08	2.26E-07	0.00E+00	0.00E+00	3.24E-07	1.23E-08	2.21E-08	0.00E+00	0.00E+00	3.44E-08
3045	419394.99	3739410.58	9.84E-08	2.26E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-08	2.26E-07	0.00E+00	0.00E+00	3.25E-07	1.24E-08	2.22E-08	0.00E+00	0.00E+00	3.45E-08
3046	419398.52	3739401.98	9.86E-08	2.27E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	2.27E-07	0.00E+00	0.00E+00	3.26E-07	1.24E-08	2.22E-08	0.00E+00	0.00E+00	3.46E-08
3047	419402.04	3739393.37	9.89E-08	2.28E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-08	2.28E-07	0.00E+00	0.00E+00	3.26E-07	1.24E-08	2.23E-08	0.00E+00	0.00E+00	3.47E-08
3048	419716.54	3739234.04	1.44E-07	3.30E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.30E-07	0.00E+00	0.00E+00	4.74E-07	1.81E-08	3.24E-08	0.00E+00	0.00E+00	5.04E-08
3049	419725.12	3739230.47	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	1.81E-08	3.24E-08	0.00E+00	0.00E+00	5.05E-08
3050	419733.7	3739226.91	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	1.81E-08	3.24E-08	0.00E+00	0.00E+00	5.05E-08
3051	419742.29	3739223.34	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	1.81E-08	3.24E-08	0.00E+00	0.00E+00	5.05E-08
3052	419750.87	3739219.77	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	1.81E-08	3.24E-08	0.00E+00	0.00E+00	5.05E-08
3053	419759.45	3739216.2	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.74E-07	1.81E-08	3.24E-08	0.00E+00	0.00E+00	5.04E-08
3054	419793.79	3739201.92	1.42E-07	3.27E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	3.27E-07	0.00E+00	0.00E+00	4.69E-07	1.79E-08	3.20E-08	0.00E+00	0.00E+00	4.98E-08
3055	419802.37	3739198.35	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.67E-07	1.78E-08	3.19E-08	0.00E+00	0.00E+00	4.96E-08
3056	419810.95	3739194.78	1.41E-07	3.24E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.24E-07	0.00E+00	0.00E+00	4.64E-07	1.77E-08	3.17E-08	0.00E+00	0.00E+00	4.94E-08
3057	419819.54	3739191.21	1.40E-07	3.22E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	3.22E-07	0.00E+00	0.00E+00	4.62E-07	1.76E-08	3.15E-08	0.00E+00	0.00E+00	4.91E-08
3058	419828.12	3739187.65	1.39E-07	3.20E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	3.20E-07	0.00E+00	0.00E+00	4.59E-07	1.75E-08	3.13E-08	0.00E+00	0.00E+00	4.88E-08
3059	419836.7	3739184.08	1.38E-07	3.18E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	3.18E-07	0.00E+00	0.00E+00	4.56E-07	1.74E-08	3.11E-08	0.00E+00	0.00E+00	4.85E-08
3060	419879.62	3739166.23	1.32E-07	3.04E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	3.04E-07	0.00E+00	0.00E+00	4.36E-07	1.66E-08	2.97E-08	0.00E+00	0.00E+00	4.63E-08
3061	419888.2	3739162.66	1.31E-07	3.01E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.01E-07	0.00E+00	0.00E+00	4.31E-07	1.64E-08	2.94E-08	0.00E+00	0.00E+00	4.59E-08
3062	419896.79	3739159.09	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.27E-07	1.63E-08	2.91E-08	0.00E+00	0.00E+00	4.54E-08
3063	419905.37	3739155.52	1.28E-07	2.94E-07	0.00E+00	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.94E-07	0.00E+00	0.00E+00	4.22E-07	1.61E-08	2.88E-08	0.00E+00	0.00E+00	4.49E-08
3064	419913.95	3739151.95	1.26E-07	2.91E-07	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.91E-07	0.00E+00	0.00E+00	4.17E-07	1.59E-08	2.85E-08	0.00E+00	0.00E+00	4.44E-08
3065	419922.54	3739148.38	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.12E-07	1.57E

3117	419345.34	3739434.39	9.04E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.17E-08
3118	419348.87	3739425.75	9.07E-08	2.09E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	2.09E-07	0.00E+00	0.00E+00	2.99E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.18E-08
3119	419352.41	3739417.11	9.09E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	1.14E-08	2.05E-08	0.00E+00	0.00E+00	3.19E-08
3120	419355.94	3739408.48	9.12E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.20E-08
3121	419359.48	3739399.84	9.14E-08	2.10E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-08	2.10E-07	0.00E+00	0.00E+00	3.02E-07	1.15E-08	2.06E-08	0.00E+00	0.00E+00	3.21E-08
3122	419363.02	3739391.21	9.16E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	1.15E-08	2.07E-08	0.00E+00	0.00E+00	3.22E-08
3123	419715.18	3739194.61	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.46E-07	1.70E-08	3.04E-08	0.00E+00	0.00E+00	4.74E-08
3124	419723.8	3739191.02	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.11E-07	0.00E+00	0.00E+00	4.46E-07	1.70E-08	3.04E-08	0.00E+00	0.00E+00	4.74E-08
3125	419732.42	3739187.44	1.35E-07	3.10E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.10E-07	0.00E+00	0.00E+00	4.45E-07	1.70E-08	3.04E-08	0.00E+00	0.00E+00	4.74E-08
3126	419801.35	3739158.78	1.32E-07	3.03E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	3.03E-07	0.00E+00	0.00E+00	4.35E-07	1.66E-08	2.97E-08	0.00E+00	0.00E+00	4.62E-08
3127	419809.96	3739155.2	1.31E-07	3.01E-07	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.01E-07	0.00E+00	0.00E+00	4.32E-07	1.65E-08	2.95E-08	0.00E+00	0.00E+00	4.60E-08
3128	419818.58	3739151.61	1.30E-07	2.99E-07	0.00E+00	0.00E+00	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	2.99E-07	0.00E+00	0.00E+00	4.30E-07	1.64E-08	2.93E-08	0.00E+00	0.00E+00	4.57E-08
3129	419827.19	3739148.03	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.97E-07	0.00E+00	0.00E+00	4.27E-07	1.62E-08	2.91E-08	0.00E+00	0.00E+00	4.54E-08
3130	419835.81	3739144.45	1.28E-07	2.95E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	2.95E-07	0.00E+00	0.00E+00	4.23E-07	1.61E-08	2.89E-08	0.00E+00	0.00E+00	4.50E-08
3131	419844.43	3739140.86	1.27E-07	2.93E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	2.93E-07	0.00E+00	0.00E+00	4.20E-07	1.60E-08	2.87E-08	0.00E+00	0.00E+00	4.47E-08
3132	419853.04	3739137.28	1.26E-07	2.90E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.90E-07	0.00E+00	0.00E+00	4.16E-07	1.59E-08	2.84E-08	0.00E+00	0.00E+00	4.43E-08
3133	419861.66	3739133.7	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.87E-07	0.00E+00	0.00E+00	4.12E-07	1.57E-08	2.81E-08	0.00E+00	0.00E+00	4.39E-08
3134	419870.28	3739130.12	1.24E-07	2.85E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	2.85E-07	0.00E+00	0.00E+00	4.08E-07	1.56E-08	2.79E-08	0.00E+00	0.00E+00	4.34E-08
3135	419878.89	3739126.53	1.22E-07	2.82E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.82E-07	0.00E+00	0.00E+00	4.04E-07	1.54E-08	2.76E-08	0.00E+00	0.00E+00	4.30E-08
3136	419887.51	3739122.95	1.21E-07	2.79E-07	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	2.79E-07	0.00E+00	0.00E+00	4.00E-07	1.52E-08	2.73E-08	0.00E+00	0.00E+00	4.25E-08
3137	419896.12	3739119.37	1.20E-07	2.76E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.76E-07	0.00E+00	0.00E+00	3.96E-07	1.51E-08	2.70E-08	0.00E+00	0.00E+00	4.21E-08
3138	419904.74	3739115.78	1.18E-07	2.73E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.73E-07	0.00E+00	0.00E+00	3.91E-07	1.49E-08	2.67E-08	0.00E+00	0.00E+00	4.16E-08
3139	419913.36	3739112.2	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.87E-07	1.47E-08	2.64E-08	0.00E+00	0.00E+00	4.11E-08
3140	419921.97	3739108.62	1.16E-07	2.66E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.66E-07	0.00E+00	0.00E+00	3.82E-07	1.45E-08	2.61E-08	0.00E+00	0.00E+00	4.06E-08
3141	419930.59	3739105.04	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.63E-07	0.00E+00	0.00E+00	3.77E-07	1.44E-08	2.57E-08	0.00E+00	0.00E+00	4.01E-08
3142	419939.21	3739101.45	1.13E-07	2.59E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.59E-07	0.00E+00	0.00E+00	3.72E-07	1.42E-08	2.54E-08	0.00E+00	0.00E+00	3.96E-08
3143	419947.82	3739097.87	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.56E-07	0.00E+00	0.00E+00	3.67E-07	1.40E-08	2.51E-08	0.00E+00	0.00E+00	3.90E-08
3144	419956.44	3739094.29	1.10E-07	2.52E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.52E-07	0.00E+00	0.00E+00	3.62E-07	1.38E-08	2.47E-08	0.00E+00	0.00E+00	3.85E-08
3145	419965.05	3739090.7	1.08E-07	2.49E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	2.49E-07	0.00E+00	0.00E+00	3.57E-07	1.36E-08	2.44E-08	0.00E+00	0.00E+00	3.80E-08
3146	419973.67	3739087.12	1.07E-07	2.45E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.45E-07	0.00E+00	0.00E+00	3.52E-07	1.34E-08	2.40E-08	0.00E+00	0.00E+00	3.74E-08
3147	419982.29	3739083.54	1.05E-07	2.42E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.42E-07	0.00E+00	0.00E+00	3.47E-07	1.32E-08	2.37E-08	0.00E+00	0.00E+00	3.69E-08
3148	419990.9	3739079.96	1.03E-07	2.38E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.38E-07	0.00E+00	0.00E+00	3.41E-07	1.30E-08	2.33E-08	0.00E+00	0.00E+00	3.63E-08
3149	419999.52	3739076.37	1.02E-07	2.34E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.34E-07	0.00E+00	0.00E+00	3.36E-07	1.28E-08	2.29E-08	0.00E+00	0.00E+00	3.57E-08
3150	420008.14	3739072.79	1.00E-07	2.31E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	2.31E-07	0.00E+00	0.00E+00	3.31E-07	1.26E-08	2.26E-08	0.00E+00	0.00E+00	3.52E-08
3151	420016.75	3739069.21	9.86E-08	2.27E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-08	2.27E-07	0.00E+00	0.00E+00	3.26E-07	1.24E-08	2.22E-08	0.00E+00	0.00E+00	3.46E-08
3152	420025.37	3739065.62	9.71E-08	2.23E-07	0.00E+00	0.00E+00	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	2.23E-07	0.00E+00	0.00E+00	3.20E-07	1.22E-08	2.19E-08	0.00E+00	0.00E+00	3.41E-08
3153	420033.98	3739062.04	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	2.20E-07	0.00E+00	0.00E+00	3.15E-07	1.20E-08	2.15E-08	0.00E+00	0.00E+00	3.35E-08
3154	420042.6	3739058.46	9.39E-08	2.16E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-08	2.16E-07	0.00E+00	0.00E+00	3.10E-07	1.18E-08	2.12E-08	0.00E+00	0.00E+00	3.30E-08
3155	420051.22	3739054.88	9.23E-08	2.12E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-08	2.12E-07	0.00E+00	0.00E+00	3.05E-07	1.16E-08	2.08E-08	0.00E+00	0.00E+00	3.24E-08
3156	420059.83	3739051.29	9.08E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	1.14E-08	2.05E-08	0.00E+00	0.00E+00	3.19E-08
3157	419174.91	3739753.21	7.70E-08	1.77E-07	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-08	1.77E-07	0.00E+00	0.00E+00	2.54E-07	9.68E-09	1.74E-08	0.00E+00	0.00E+00	2.70E-08
3158	419178.45	3739744.54	7.72E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	9.71E-09	1.74E-08	0.00E+00	0.00E+00	2.71E-08
3159	419182	3739735.88	7.74E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-08	1.78E-07	0.00E+00	0.00E+00	2.55E-07	9.73E-09	1.74E-08	0.00E+00	0.00E+00	2.72E-08
3160	419185.55	3739727.21	7.76E-08	1.79E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-08	1.79E-07	0.00E+00	0.00E+00	2.56E-07	9.76E-09	1.75E-08	0.00E+00	0.00E+00	2.72E-08
3161	419189.1	3739718.55	7.78E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	9.78E-09	1.75E-08	0.00E+00	0.00E+00	2.73E-08
3162	419192.65	3739709.88	7.80E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-08	1.79E-07	0.00E+00	0.00E+00	2.57E-07	9.81E-09	1.76E-08	0.00E+00	0.00E+00	2.74E-08
3163	419196.19	3739701.21	7.81E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.80E-07	0.00E+00	0.00E+00	2.58E-07	9.83E-09	1.76E-08	0.00E+00	0.00E+00	2.74E-08
3164	419199.74	3739692.55	7.83E-08	1.80E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-08	1.80E-07	0.00E+00	0.00E+00	2.59E-07	9.85E-09	1.77E-08	0.00E+00	0.00E+00	2.75E-08
3165	419203.29	3739683.88	7.85E-08	1.81E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-08	1.81E-07	0.00E+00	0.00E+00	2.59E-07	9.88E-09	1.77E-08	0.00E+00	0.00E+00	2.76E-08
3166	419206.84	3739675.21	7.87E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-08	1.81E-07	0.00E+00	0.00E+00	2.60E-07	9.90E-09	1.77E-08	0.00E+00	0.00E+00	2.77E-08
3167	419210.39	3739666.55	7.89E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	9.93E-09	1.78E-08	0.00E+00	0.00E+00	2.77E-08
3168	419213.93	3739657.88	7.91E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	9.95E-09	1.78E-08	0.00E+00	0.00E+00	2.78E-08
3169	419217.48	3739649.21	7.93E-08	1.83E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-08	1.83E-07	0.00E+00	0.00E+00	2.62E-07	9.97E-09	1.79E-08	0.00E+00	0.00E+00	2.79E-08
3170	419221.03	3739640.55	7.95E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	1.00E-08	1.79E-08	0.00E+00	0.00E+00	2.79E-08
3171	419224.58	3739631.88	7.97E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	1.00E-08	1.80E-08	0.00E+00	0.00E+00	2.80E-08
3172	419228.13	3739623.21	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.00E-08	1.80E-08	0.00E+00	0.00E+00	2.81E-08
3173	419231.67	3739614.55	8.01E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.01E-08	1.81E-08	0.00E+00	0.00E+00	2.81E-08
3174	419235.22	3739605.88	8.03E-08	1.85E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-08	1.85E-07	0.00E+00	0.00E+00	2.65E-07	1.01E-08	1.81E-08	0.00E+00	0.00E+00	2.82E-08
3175	419238.77	3739597.21	8.05E-08	1.85E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-08	1.85E-07	0.00E+00	0.00E+00	2.66E-07	1.01E-08	1.81E-08	0.00E+00	0.00E+00	2.83E-08
3176	419242.32	3739588.55	8.07E-08	1.86E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-08	1.86E-07	0.00E+00	0.00E+00	2.66E-07	1.01E-08	1.82E-08	0.00E+00	0.00E+00	2.83E-08
3177	419245.87	3739579.88	8.09E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-08	1.86E-07	0.00E+00	0.00E+00	2.67E-07	1.02E-08	1.82E-08	0.00E+00	0.00E+00	2.84E-08
3178	419249.41	3739571.21	8.10E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	1.02E-08	1.83E-08	0.00E+00	0.00E+00	2.85E-08
3179	419252.96	3739562.55	8.12E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	1.02E-08	1.83E-08	0.00E+00	0.00E+00	2.85E-08
3180	419263.61	3739536.55	8.17E-08	1.88E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-08	1.88E-07	0.00E+00	0.00E+00	2.70E-07	1.03E-08	1.84E-08	0.00E+00	0.00E+00	2.87E-08
3181	419267.15	3739527.88	8.20E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	1.03E-08	1.85E-08	0.00E+00	0.00E+00	2.88E-08
3182	419270.7	3739519.21	8.22E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	1.03E-08	1.85E-08	0.00E+00	0.00E+00	2.89E-08
3183	419274.25	3739510.55	8.24E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.89E-08
3184	419277.8	3739501.88	8.26E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
3185	419281.35	3739493.21	8.28E-08	1.91E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-08	1.91E-07	0.00E+00	0.00E+00	2.73E-07	1.04E-08	1.87E-08	0.00E+00	0.00E+00	2.91E-08
3186	419284.89	3739484.55	8.30E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	1.04E-08	1.87E-08	0.00E+00	0.00E+00	2.91E-08
3187	419288.44	3739475.88	8.31E-08	1.91E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	1.91E-07	0.00E+00	0.00E+00	2.75E-07	1.05E-08	1.87E-08	0.00E+00	0.00E+00	2.92E-08
3188	419291.99	3739467.21	8.34E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
3189	419295.54	3739458.55	8.36E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.94E-08
3190	419299.09	3739449.88	8.38E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	1.05E-08	1.89E-08	0.00E+00	0.00E+00	2.94E-08
3191	419302.63	3739441.21	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	1.06E-08	1.89E-08	0.00E+00	0.00E+00	2.95E-08
3192	419306.18	3739432.55	8.43E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.96E-08
3193	419309.73	3739423.88	8.45E-08	1.95E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-08	1.95E-07	0.00E+00	0.00E+00	2.79E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.97E-08
3194	419313.28	3739415.22	8.48E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	1.07E-08	1.91E-08	0.00E+00	0.00E+00	2.98E-08
3195	419316.83	3739406.55	8.50E-08	1.96E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-08	1.96E-07	0.00E+00	0.00E+00	2.81E-07	1.07E

3247	419554.39	3740823.31	9.78E-08	2.25E-07	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	2.25E-07	0.00E+00	0.00E+00	3.23E-07	1.23E-08	2.20E-08	0.00E+00	0.00E+00	3.43E-08
3248	419628.08	3740885.42	9.50E-08	2.19E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	2.19E-07	0.00E+00	0.00E+00	3.14E-07	1.19E-08	2.14E-08	0.00E+00	0.00E+00	3.34E-08
3249	419618.36	3740884.1	9.42E-08	2.17E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-08	2.17E-07	0.00E+00	0.00E+00	3.11E-07	1.19E-08	2.12E-08	0.00E+00	0.00E+00	3.31E-08
3250	419608.63	3740882.77	9.35E-08	2.15E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	2.15E-07	0.00E+00	0.00E+00	3.09E-07	1.18E-08	2.11E-08	0.00E+00	0.00E+00	3.28E-08
3251	419598.9	3740881.45	9.29E-08	2.14E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	2.14E-07	0.00E+00	0.00E+00	3.07E-07	1.17E-08	2.09E-08	0.00E+00	0.00E+00	3.26E-08
3252	419589.18	3740880.12	9.23E-08	2.12E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-08	2.12E-07	0.00E+00	0.00E+00	3.05E-07	1.16E-08	2.08E-08	0.00E+00	0.00E+00	3.24E-08
3253	419579.45	3740878.8	9.17E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	1.15E-08	2.07E-08	0.00E+00	0.00E+00	3.22E-08
3254	419569.72	3740877.48	9.10E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-08	2.10E-07	0.00E+00	0.00E+00	3.01E-07	1.15E-08	2.05E-08	0.00E+00	0.00E+00	3.20E-08
3255	419560	3740876.15	9.05E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-08	2.08E-07	0.00E+00	0.00E+00	2.99E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.18E-08
3256	419550.27	3740874.83	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	1.13E-08	2.03E-08	0.00E+00	0.00E+00	3.16E-08
3257	419535.99	3740864.81	9.01E-08	2.07E-07	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-08	2.07E-07	0.00E+00	0.00E+00	2.98E-07	1.13E-08	2.03E-08	0.00E+00	0.00E+00	3.17E-08
3258	419531.44	3740856.11	9.10E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-08	2.09E-07	0.00E+00	0.00E+00	3.00E-07	1.14E-08	2.05E-08	0.00E+00	0.00E+00	3.20E-08
3259	419526.89	3740847.41	9.19E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-08	2.11E-07	0.00E+00	0.00E+00	3.03E-07	1.16E-08	2.07E-08	0.00E+00	0.00E+00	3.23E-08
3260	419522.33	3740838.71	9.28E-08	2.14E-07	0.00E+00	0.00E+00	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-08	2.14E-07	0.00E+00	0.00E+00	3.06E-07	1.17E-08	2.09E-08	0.00E+00	0.00E+00	3.26E-08
3261	419517.78	3740830.02	9.36E-08	2.16E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-08	2.16E-07	0.00E+00	0.00E+00	3.09E-07	1.18E-08	2.11E-08	0.00E+00	0.00E+00	3.29E-08
3262	419513.23	3740821.32	9.45E-08	2.18E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-08	2.18E-07	0.00E+00	0.00E+00	3.12E-07	1.19E-08	2.13E-08	0.00E+00	0.00E+00	3.32E-08
3263	419625.44	3740920.93	8.99E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	1.13E-08	2.03E-08	0.00E+00	0.00E+00	3.16E-08
3264	419615.64	3740919.6	8.92E-08	2.05E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-08	2.05E-07	0.00E+00	0.00E+00	2.95E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.13E-08
3265	419605.83	3740918.26	8.86E-08	2.04E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-08	2.04E-07	0.00E+00	0.00E+00	2.92E-07	1.11E-08	2.00E-08	0.00E+00	0.00E+00	3.11E-08
3266	419596.02	3740916.93	8.79E-08	2.02E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-08	2.02E-07	0.00E+00	0.00E+00	2.90E-07	1.11E-08	1.98E-08	0.00E+00	0.00E+00	3.09E-08
3267	419586.21	3740915.59	8.73E-08	2.01E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-08	2.01E-07	0.00E+00	0.00E+00	2.88E-07	1.10E-08	1.97E-08	0.00E+00	0.00E+00	3.07E-08
3268	419576.41	3740914.25	8.67E-08	2.00E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-08	2.00E-07	0.00E+00	0.00E+00	2.86E-07	1.09E-08	1.95E-08	0.00E+00	0.00E+00	3.05E-08
3269	419566.6	3740912.92	8.62E-08	1.98E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-08	1.98E-07	0.00E+00	0.00E+00	2.85E-07	1.08E-08	1.94E-08	0.00E+00	0.00E+00	3.03E-08
3270	419556.79	3740911.58	8.57E-08	1.97E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-08	1.97E-07	0.00E+00	0.00E+00	2.83E-07	1.08E-08	1.93E-08	0.00E+00	0.00E+00	3.01E-08
3271	419546.98	3740910.25	8.52E-08	1.96E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-08	1.96E-07	0.00E+00	0.00E+00	2.81E-07	1.07E-08	1.92E-08	0.00E+00	0.00E+00	2.99E-08
3272	419537.18	3740908.91	8.47E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	1.07E-08	1.91E-08	0.00E+00	0.00E+00	2.97E-08
3273	419527.37	3740907.58	8.42E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.96E-08
3274	419512.97	3740897.47	8.44E-08	1.94E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-08	1.94E-07	0.00E+00	0.00E+00	2.79E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.96E-08
3275	419508.38	3740888.7	8.51E-08	1.96E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-08	1.96E-07	0.00E+00	0.00E+00	2.81E-07	1.07E-08	1.92E-08	0.00E+00	0.00E+00	2.99E-08
3276	419503.79	3740879.93	8.58E-08	1.98E-07	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-08	1.98E-07	0.00E+00	0.00E+00	2.83E-07	1.08E-08	1.93E-08	0.00E+00	0.00E+00	3.01E-08
3277	419499.2	3740871.16	8.66E-08	1.99E-07	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-08	1.99E-07	0.00E+00	0.00E+00	2.86E-07	1.09E-08	1.95E-08	0.00E+00	0.00E+00	3.04E-08
3278	419494.61	3740862.39	8.74E-08	2.01E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-08	2.01E-07	0.00E+00	0.00E+00	2.89E-07	1.10E-08	1.97E-08	0.00E+00	0.00E+00	3.07E-08
3279	419490.02	3740853.63	8.82E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	2.03E-07	0.00E+00	0.00E+00	2.91E-07	1.11E-08	1.99E-08	0.00E+00	0.00E+00	3.10E-08
3280	419485.43	3740844.86	8.90E-08	2.05E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-08	2.05E-07	0.00E+00	0.00E+00	2.94E-07	1.12E-08	2.01E-08	0.00E+00	0.00E+00	3.12E-08
3281	419480.85	3740836.09	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-08	2.07E-07	0.00E+00	0.00E+00	2.97E-07	1.13E-08	2.02E-08	0.00E+00	0.00E+00	3.15E-08
3282	419476.26	3740827.32	9.06E-08	2.09E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-08	2.09E-07	0.00E+00	0.00E+00	2.99E-07	1.14E-08	2.04E-08	0.00E+00	0.00E+00	3.18E-08
3283	419631.46	3740957.62	8.59E-08	1.98E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-08	1.98E-07	0.00E+00	0.00E+00	2.84E-07	1.08E-08	1.94E-08	0.00E+00	0.00E+00	3.02E-08
3284	419621.68	3740956.29	8.53E-08	1.96E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-08	1.96E-07	0.00E+00	0.00E+00	2.82E-07	1.07E-08	1.92E-08	0.00E+00	0.00E+00	3.00E-08
3285	419611.9	3740954.96	8.47E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	1.07E-08	1.91E-08	0.00E+00	0.00E+00	2.97E-08
3286	419602.13	3740953.63	8.41E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-08	1.94E-07	0.00E+00	0.00E+00	2.78E-07	1.06E-08	1.90E-08	0.00E+00	0.00E+00	2.95E-08
3287	419592.35	3740952.29	8.35E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-08	1.92E-07	0.00E+00	0.00E+00	2.76E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
3288	419582.57	3740950.96	8.30E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-08	1.91E-07	0.00E+00	0.00E+00	2.74E-07	1.04E-08	1.87E-08	0.00E+00	0.00E+00	2.91E-08
3289	419572.8	3740949.63	8.25E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-08	1.90E-07	0.00E+00	0.00E+00	2.72E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
3290	419563.02	3740948.3	8.20E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	1.03E-08	1.85E-08	0.00E+00	0.00E+00	2.88E-08
3291	419553.24	3740946.97	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-08	1.88E-07	0.00E+00	0.00E+00	2.69E-07	1.03E-08	1.84E-08	0.00E+00	0.00E+00	2.86E-08
3292	419543.47	3740945.64	8.10E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	1.02E-08	1.83E-08	0.00E+00	0.00E+00	2.85E-08
3293	419533.69	3740944.31	8.06E-08	1.85E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.85E-07	0.00E+00	0.00E+00	2.66E-07	1.01E-08	1.82E-08	0.00E+00	0.00E+00	2.83E-08
3294	419523.91	3740942.98	8.01E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.01E-08	1.81E-08	0.00E+00	0.00E+00	2.81E-08
3295	419514.14	3740941.65	7.96E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-08	1.83E-07	0.00E+00	0.00E+00	2.63E-07	1.00E-08	1.79E-08	0.00E+00	0.00E+00	2.80E-08
3296	419504.36	3740940.31	7.91E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-08	1.82E-07	0.00E+00	0.00E+00	2.61E-07	9.95E-09	1.78E-08	0.00E+00	0.00E+00	2.78E-08
3297	419490.01	3740930.24	7.93E-08	1.83E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-08	1.83E-07	0.00E+00	0.00E+00	2.62E-07	9.97E-09	1.79E-08	0.00E+00	0.00E+00	2.78E-08
3298	419485.43	3740921.5	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.84E-07	0.00E+00	0.00E+00	2.64E-07	1.01E-08	1.80E-08	0.00E+00	0.00E+00	2.81E-08
3299	419480.86	3740912.76	8.06E-08	1.86E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-08	1.86E-07	0.00E+00	0.00E+00	2.66E-07	1.01E-08	1.82E-08	0.00E+00	0.00E+00	2.83E-08
3300	419476.28	3740904.02	8.13E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-08	1.87E-07	0.00E+00	0.00E+00	2.68E-07	1.02E-08	1.83E-08	0.00E+00	0.00E+00	2.85E-08
3301	419471.71	3740895.27	8.19E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-08	1.89E-07	0.00E+00	0.00E+00	2.71E-07	1.03E-08	1.85E-08	0.00E+00	0.00E+00	2.88E-08
3302	419467.13	3740886.53	8.26E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	1.90E-07	0.00E+00	0.00E+00	2.73E-07	1.04E-08	1.86E-08	0.00E+00	0.00E+00	2.90E-08
3303	419462.56	3740877.79	8.33E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-08	1.92E-07	0.00E+00	0.00E+00	2.75E-07	1.05E-08	1.88E-08	0.00E+00	0.00E+00	2.93E-08
3304	419457.98	3740869.05	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-08	1.93E-07	0.00E+00	0.00E+00	2.77E-07	1.06E-08	1.89E-08	0.00E+00	0.00E+00	2.95E-08
3305	419453.41	3740860.3	8.47E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-08	1.95E-07	0.00E+00	0.00E+00	2.80E-07	1.07E-08	1.91E-08	0.00E+00	0.00E+00	2.98E-08
3306	419448.83	3740851.56	8.54E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-08	1.97E-07	0.00E+00	0.00E+00	2.82E-07	1.07E-08	1.93E-08	0.00E+00	0.00E+00	3.00E-08
3307	419444.25	3740842.82	8.62E-08	1.98E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-08	1.98E-07	0.00E+00	0.00E+00	2.85E-07	1.08E-08	1.94E-08	0.00E+00	0.00E+00	3.03E-08
3308	419439.68	3740834.08	8.69E-08	2.00E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	2.00E-07	0.00E+00	0.00E+00	2.87E-07	1.09E-08	1.96E-08	0.00E+00	0.00E+00	3.05E-08
3309	419435.1	3740825.34	8.76E-08	2.02E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-08	2.02E-07	0.00E+00	0.00E+00	2.89E-07	1.10E-08	1.98E-08	0.00E+00	0.00E+00	3.08E-08
3310	420841.38	3740092.79	2.50E-07	5.76E-07	0.00E+00	0.00E+00	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	5.76E-07	0.00E+00	0.00E+00	8.26E-07	3.15E-08	5.64E-08	0.00E+00	0.00E+00	8.79E-08
3311	420836.09	3740109.65	2.64E-07	6.08E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	6.08E-07	0.00E+00	0.00E+00	8.72E-07	3.32E-08	5.95E-08	0.00E+00	0.00E+00	9.28E-08
3312	420830.81	3740126.52	2.78E-07	6.40E-07	0.00E+00	0.00E+00	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	6.40E-07	0.00E+00	0.00E+00	9.18E-07	3.50E-08	6.27E-08	0.00E+00	0.00E+00	9.77E-08
3313	420825.52	3740143.38	2.93E-07	6.74E-07	0.00E+00	0.00E+00	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	6.74E-07	0.00E+00	0.00E+00	9.67E-07	3.68E-08	6.60E-08	0.00E+00	0.00E+00	1.03E-07
3314	420886.62	3740075.87	2.13E-07	4.90E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	4.90E-07	0.00E+00	0.00E+00	7.02E-07	2.67E-08	4.79E-08	0.00E+00	0.00E+00	7.47E-08
3315	420883.93	3740084.44	2.19E-07	5.05E-07	0.00E+00	0.00E+00	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	5.05E-07	0.00E+00	0.00E+00	7.24E-07	2.76E-08	4.94E-08	0.00E+00	0.00E+00	7.70E-08
3316	420878.56	3740101.58	2.32E-07	5.35E-07	0.00E+00	0.00E+00	7.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-07	5.35E-07	0.00E+00	0.00E+00	7.68E-07	2.92E-08	5.24E-08	0.00E+00	0.00E+00	8.16E-08
3317	420875.88	3740110.14	2.39E-07	5.50E-07	0.00E+00	0.00E+00	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-07	5.50E-07	0.00E+00	0.00E+00	7.90E-07	3.01E-08	5.39E-08	0.00E+00	0.00E+00	8.40E-08
3318	420870.51	3740127.28	2.53E-07	5.82E-07	0.00E+00	0.00E+00	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	5.82E-07	0.00E+00	0.00E+00	8.35E-07	3.18E-08	5.70E-08	0.00E+00	0.00E+00	8.88E-08
3319	420865.14	3740144.42	2.66E-07	6.13E-07	0.00E+00	0.00E+00	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	6.13E-07	0.00E+00	0.00E+00	8.79E-07	3.35E-08	6.00E-08	0.00E+00	0.00E+00	9.34E-08
3320	420859.77	3740161.56	2.80E-07	6.43E-07	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	6.43E-07	0.00E+00	0.00E+00	9.23E-07	3.52E-08	6.30E-08	0.00E+00	0.00E+00	9.82E-08
3321	420857.08	3740170.13	2.87E-07	6.61E-07	0.00E+00	0.00E+00	9.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	6.61E-07	0.00E+00	0.00E+00	9.48E-07	3.61E-08	6.47E-08	0.00E+00	0.00E+00	1.01E-07
3322	420851.71	3740187.26	3.03E-07	6.97E-07	0.00E+00	0.00E+00	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	6.97E-07	0.00E+00	0.00E+00	9.99E-07	3.81E-08	6.82E-08	0.00E+00	0.00E+00	1.06E-07
3323	420846.34	3740204.4	3.17E-07	7.31E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	7.31E-07	0.00E+00	0.00E+00	1.05E-06	3.99E-08	7.15E-08	0.00E+00	0.00E+00	1.11E-07
3324	420840.97	3740221.54	3.32E-07	7.64E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	7.64E-07	0.00E+00	0.00E+00	1.10E-06	4.17E-08	7.48E-08	0.00E+00	0.00E+00	1.16E-07
3325	420835.6	3740238.67	3.45E-07	7.95E-07	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07	7.95E-07	0.00E+00	0.00E+00	1.14E-06	4.34E-08	7.79E-08

3377	420969.12	3740030.94	1.58E-07	3.64E-07	0.00E+00	0.00E+00	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-07	3.64E-07	0.00E+00	0.00E+00	5.22E-07	1.99E-08	3.56E-08	0.00E+00	0.00E+00	5.55E-08
3378	420969.08	3740021.95	1.55E-07	3.56E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	3.56E-07	0.00E+00	0.00E+00	5.11E-07	1.95E-08	3.49E-08	0.00E+00	0.00E+00	5.44E-08
3379	420969.04	3740012.96	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	1.91E-08	3.42E-08	0.00E+00	0.00E+00	5.33E-08
3380	420968.99	3740003.97	1.48E-07	3.41E-07	0.00E+00	0.00E+00	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	3.41E-07	0.00E+00	0.00E+00	4.90E-07	1.86E-08	3.34E-08	0.00E+00	0.00E+00	5.21E-08
3381	421006.66	3740075.14	1.61E-07	3.71E-07	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	3.71E-07	0.00E+00	0.00E+00	5.32E-07	2.03E-08	3.63E-08	0.00E+00	0.00E+00	5.66E-08
3382	421001.37	3740092	1.69E-07	3.88E-07	0.00E+00	0.00E+00	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-07	3.88E-07	0.00E+00	0.00E+00	5.57E-07	2.12E-08	3.80E-08	0.00E+00	0.00E+00	5.92E-08
3383	420996.09	3740108.87	1.77E-07	4.07E-07	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	4.07E-07	0.00E+00	0.00E+00	5.84E-07	2.23E-08	3.99E-08	0.00E+00	0.00E+00	6.21E-08
3384	420990.81	3740125.73	1.86E-07	4.28E-07	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	4.28E-07	0.00E+00	0.00E+00	6.13E-07	2.34E-08	4.19E-08	0.00E+00	0.00E+00	6.52E-08
3385	420985.52	3740142.59	1.96E-07	4.50E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	4.50E-07	0.00E+00	0.00E+00	6.46E-07	2.46E-08	4.41E-08	0.00E+00	0.00E+00	6.87E-08
3386	420980.24	3740159.45	2.06E-07	4.73E-07	0.00E+00	0.00E+00	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	4.73E-07	0.00E+00	0.00E+00	6.79E-07	2.59E-08	4.63E-08	0.00E+00	0.00E+00	7.22E-08
3387	420974.95	3740176.32	2.15E-07	4.96E-07	0.00E+00	0.00E+00	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	4.96E-07	0.00E+00	0.00E+00	7.11E-07	2.71E-08	4.85E-08	0.00E+00	0.00E+00	7.56E-08
3388	420969.67	3740193.18	2.25E-07	5.18E-07	0.00E+00	0.00E+00	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	5.18E-07	0.00E+00	0.00E+00	7.43E-07	2.83E-08	5.07E-08	0.00E+00	0.00E+00	7.90E-08
3389	420964.39	3740210.04	2.34E-07	5.39E-07	0.00E+00	0.00E+00	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-07	5.39E-07	0.00E+00	0.00E+00	7.73E-07	2.94E-08	5.28E-08	0.00E+00	0.00E+00	8.22E-08
3390	420959.1	3740226.9	2.44E-07	5.61E-07	0.00E+00	0.00E+00	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	5.61E-07	0.00E+00	0.00E+00	8.04E-07	3.06E-08	5.49E-08	0.00E+00	0.00E+00	8.55E-08
3391	420953.82	3740243.77	2.53E-07	5.83E-07	0.00E+00	0.00E+00	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	5.83E-07	0.00E+00	0.00E+00	8.36E-07	3.18E-08	5.71E-08	0.00E+00	0.00E+00	8.89E-08
3392	420948.53	3740260.63	2.63E-07	6.05E-07	0.00E+00	0.00E+00	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	6.05E-07	0.00E+00	0.00E+00	8.68E-07	3.30E-08	5.92E-08	0.00E+00	0.00E+00	9.23E-08
3393	420943.25	3740277.49	2.72E-07	6.26E-07	0.00E+00	0.00E+00	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	6.26E-07	0.00E+00	0.00E+00	8.99E-07	3.42E-08	6.13E-08	0.00E+00	0.00E+00	9.56E-08
3394	420937.97	3740294.35	2.82E-07	6.49E-07	0.00E+00	0.00E+00	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	6.49E-07	0.00E+00	0.00E+00	9.30E-07	3.54E-08	6.35E-08	0.00E+00	0.00E+00	9.89E-08
3395	420932.68	3740311.22	2.90E-07	6.69E-07	0.00E+00	0.00E+00	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	6.69E-07	0.00E+00	0.00E+00	9.59E-07	3.65E-08	6.55E-08	0.00E+00	0.00E+00	1.02E-07
3396	420927.4	3740328.08	2.98E-07	6.86E-07	0.00E+00	0.00E+00	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	6.86E-07	0.00E+00	0.00E+00	9.84E-07	3.75E-08	6.72E-08	0.00E+00	0.00E+00	1.05E-07
3397	420922.11	3740344.94	3.05E-07	7.01E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	7.01E-07	0.00E+00	0.00E+00	1.01E-06	3.83E-08	6.87E-08	0.00E+00	0.00E+00	1.07E-07
3398	420916.83	3740361.8	3.10E-07	7.14E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	7.14E-07	0.00E+00	0.00E+00	1.02E-06	3.90E-08	7.00E-08	0.00E+00	0.00E+00	1.09E-07
3399	420911.55	3740378.67	3.15E-07	7.26E-07	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-07	7.26E-07	0.00E+00	0.00E+00	1.04E-06	3.97E-08	7.11E-08	0.00E+00	0.00E+00	1.11E-07
3400	420906.26	3740395.53	3.19E-07	7.35E-07	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	7.35E-07	0.00E+00	0.00E+00	1.05E-06	4.02E-08	7.20E-08	0.00E+00	0.00E+00	1.12E-07
3401	420900.98	3740412.39	3.23E-07	7.42E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	7.42E-07	0.00E+00	0.00E+00	1.07E-06	4.06E-08	7.27E-08	0.00E+00	0.00E+00	1.13E-07
3402	420895.69	3740429.25	3.25E-07	7.49E-07	0.00E+00	0.00E+00	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-07	7.49E-07	0.00E+00	0.00E+00	1.07E-06	4.09E-08	7.33E-08	0.00E+00	0.00E+00	1.14E-07
3403	420890.41	3740446.12	3.27E-07	7.53E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	7.53E-07	0.00E+00	0.00E+00	1.08E-06	4.12E-08	7.38E-08	0.00E+00	0.00E+00	1.15E-07
3404	420885.13	3740462.98	3.29E-07	7.56E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	7.56E-07	0.00E+00	0.00E+00	1.08E-06	4.13E-08	7.41E-08	0.00E+00	0.00E+00	1.15E-07
3405	420879.84	3740479.84	3.29E-07	7.57E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	7.57E-07	0.00E+00	0.00E+00	1.09E-06	4.14E-08	7.41E-08	0.00E+00	0.00E+00	1.16E-07
3406	420874.56	3740496.7	3.28E-07	7.56E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	7.56E-07	0.00E+00	0.00E+00	1.08E-06	4.13E-08	7.40E-08	0.00E+00	0.00E+00	1.15E-07
3407	420869.27	3740513.57	3.27E-07	7.53E-07	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	7.53E-07	0.00E+00	0.00E+00	1.08E-06	4.11E-08	7.37E-08	0.00E+00	0.00E+00	1.15E-07
3408	420856.95	3740535.77	3.29E-07	7.57E-07	0.00E+00	0.00E+00	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	7.57E-07	0.00E+00	0.00E+00	1.09E-06	4.14E-08	7.42E-08	0.00E+00	0.00E+00	1.16E-07
3409	420842.89	3740546.47	3.34E-07	7.69E-07	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	7.69E-07	0.00E+00	0.00E+00	1.10E-06	4.20E-08	7.53E-08	0.00E+00	0.00E+00	1.17E-07
3410	421009.26	3740057.72	1.55E-07	3.56E-07	0.00E+00	0.00E+00	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	3.56E-07	0.00E+00	0.00E+00	5.11E-07	1.94E-08	3.48E-08	0.00E+00	0.00E+00	5.43E-08
3411	421009.21	3740048.73	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	3.49E-07	0.00E+00	0.00E+00	5.01E-07	1.91E-08	3.42E-08	0.00E+00	0.00E+00	5.33E-08
3412	421009.17	3740039.74	1.49E-07	3.43E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.43E-07	0.00E+00	0.00E+00	4.91E-07	1.87E-08	3.35E-08	0.00E+00	0.00E+00	5.23E-08
3413	421009.12	3740030.74	1.46E-07	3.36E-07	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-07	3.36E-07	0.00E+00	0.00E+00	4.82E-07	1.83E-08	3.29E-08	0.00E+00	0.00E+00	5.12E-08
3414	421009.08	3740021.75	1.43E-07	3.29E-07	0.00E+00	0.00E+00	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	3.29E-07	0.00E+00	0.00E+00	4.72E-07	1.80E-08	3.22E-08	0.00E+00	0.00E+00	5.02E-08
3415	421009.03	3740012.76	1.40E-07	3.22E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-07	3.22E-07	0.00E+00	0.00E+00	4.62E-07	1.76E-08	3.16E-08	0.00E+00	0.00E+00	4.92E-08
3416	421008.99	3740003.77	1.37E-07	3.15E-07	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.15E-07	0.00E+00	0.00E+00	4.52E-07	1.72E-08	3.09E-08	0.00E+00	0.00E+00	4.81E-08
3417	421046.62	3740075.05	1.50E-07	3.45E-07	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.45E-07	0.00E+00	0.00E+00	4.94E-07	1.88E-08	3.37E-08	0.00E+00	0.00E+00	5.26E-08
3418	421041.27	3740092.14	1.56E-07	3.60E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	3.60E-07	0.00E+00	0.00E+00	5.16E-07	1.97E-08	3.52E-08	0.00E+00	0.00E+00	5.49E-08
3419	421035.92	3740109.22	1.64E-07	3.77E-07	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	3.77E-07	0.00E+00	0.00E+00	5.41E-07	2.06E-08	3.69E-08	0.00E+00	0.00E+00	5.75E-08
3420	421030.56	3740126.31	1.72E-07	3.96E-07	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-07	3.96E-07	0.00E+00	0.00E+00	5.68E-07	2.17E-08	3.88E-08	0.00E+00	0.00E+00	6.05E-08
3421	421025.21	3740143.39	1.80E-07	4.14E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	4.14E-07	0.00E+00	0.00E+00	5.94E-07	2.26E-08	4.05E-08	0.00E+00	0.00E+00	6.32E-08
3422	421019.86	3740160.48	1.88E-07	4.32E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	4.32E-07	0.00E+00	0.00E+00	6.19E-07	2.36E-08	4.23E-08	0.00E+00	0.00E+00	6.59E-08
3423	421014.5	3740177.56	1.96E-07	4.51E-07	0.00E+00	0.00E+00	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-07	4.51E-07	0.00E+00	0.00E+00	6.47E-07	2.46E-08	4.42E-08	0.00E+00	0.00E+00	6.88E-08
3424	421009.15	3740194.65	2.04E-07	4.70E-07	0.00E+00	0.00E+00	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	4.70E-07	0.00E+00	0.00E+00	6.74E-07	2.57E-08	4.60E-08	0.00E+00	0.00E+00	7.17E-08
3425	421003.79	3740211.73	2.12E-07	4.88E-07	0.00E+00	0.00E+00	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	4.88E-07	0.00E+00	0.00E+00	6.99E-07	2.66E-08	4.77E-08	0.00E+00	0.00E+00	7.44E-08
3426	420998.44	3740228.81	2.21E-07	5.08E-07	0.00E+00	0.00E+00	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	5.08E-07	0.00E+00	0.00E+00	7.29E-07	2.78E-08	4.98E-08	0.00E+00	0.00E+00	7.75E-08
3427	420993.09	3740245.9	2.30E-07	5.30E-07	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	5.30E-07	0.00E+00	0.00E+00	7.60E-07	2.90E-08	5.19E-08	0.00E+00	0.00E+00	8.09E-08
3428	420987.73	3740262.98	2.41E-07	5.54E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	5.54E-07	0.00E+00	0.00E+00	7.94E-07	3.03E-08	5.42E-08	0.00E+00	0.00E+00	8.45E-08
3429	420982.38	3740280.07	2.50E-07	5.75E-07	0.00E+00	0.00E+00	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	5.75E-07	0.00E+00	0.00E+00	8.25E-07	3.14E-08	5.63E-08	0.00E+00	0.00E+00	8.78E-08
3430	420977.03	3740297.15	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.51E-07	3.24E-08	5.81E-08	0.00E+00	0.00E+00	9.05E-08
3431	420971.67	3740314.24	2.66E-07	6.11E-07	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	6.11E-07	0.00E+00	0.00E+00	8.77E-07	3.34E-08	5.98E-08	0.00E+00	0.00E+00	9.32E-08
3432	420966.32	3740331.32	2.73E-07	6.27E-07	0.00E+00	0.00E+00	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-07	6.27E-07	0.00E+00	0.00E+00	9.00E-07	3.43E-08	6.14E-08	0.00E+00	0.00E+00	9.57E-08
3433	420960.97	3740348.4	2.79E-07	6.42E-07	0.00E+00	0.00E+00	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-07	6.42E-07	0.00E+00	0.00E+00	9.21E-07	3.51E-08	6.29E-08	0.00E+00	0.00E+00	9.80E-08
3434	420955.61	3740365.49	2.85E-07	6.55E-07	0.00E+00	0.00E+00	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	6.55E-07	0.00E+00	0.00E+00	9.40E-07	3.58E-08	6.42E-08	0.00E+00	0.00E+00	1.00E-07
3435	420950.26	3740382.57	2.90E-07	6.67E-07	0.00E+00	0.00E+00	9.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	6.67E-07	0.00E+00	0.00E+00	9.57E-07	3.64E-08	6.53E-08	0.00E+00	0.00E+00	1.02E-07
3436	420944.91	3740399.66	2.94E-07	6.77E-07	0.00E+00	0.00E+00	9.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	6.77E-07	0.00E+00	0.00E+00	9.70E-07	3.70E-08	6.62E-08	0.00E+00	0.00E+00	1.03E-07
3437	420939.55	3740416.74	2.97E-07	6.84E-07	0.00E+00	0.00E+00	9.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	6.84E-07	0.00E+00	0.00E+00	9.81E-07	3.74E-08	6.70E-08	0.00E+00	0.00E+00	1.04E-07
3438	420934.2	3740433.83	3.00E-07	6.90E-07	0.00E+00	0.00E+00	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	6.90E-07	0.00E+00	0.00E+00	9.90E-07	3.77E-08	6.76E-08	0.00E+00	0.00E+00	1.05E-07
3439	420928.84	3740450.91	3.02E-07	6.96E-07	0.00E+00	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	6.96E-07	0.00E+00	0.00E+00	9.98E-07	3.80E-08	6.81E-08	0.00E+00	0.00E+00	1.06E-07
3440	420923.49	3740467.99	3.04E-07	7.00E-07	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-07	7.00E-07	0.00E+00	0.00E+00	1.00E-06	3.82E-08	6.85E-08	0.00E+00	0.00E+00	1.07E-07
3441	420918.14	3740485.08	3.05E-07	7.03E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	7.03E-07	0.00E+00	0.00E+00	1.01E-06	3.84E-08	6.88E-08	0.00E+00	0.00E+00	1.07E-07
3442	420912.78	3740502.16	3.06E-07	7.03E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	7.03E-07	0.00E+00	0.00E+00	1.01E-06	3.84E-08	6.89E-08	0.00E+00	0.00E+00	1.07E-07
3443	420907.43	3740519.25	3.05E-07	7.03E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	7.03E-07	0.00E+00	0.00E+00	1.01E-06	3.84E-08	6.88E-08	0.00E+00	0.00E+00	1.07E-07
3444	420902.08	3740536.33	3.05E-07	7.02E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	7.02E-07	0.00E+00	0.00E+00	1.01E-06	3.84E-08	6.87E-08	0.00E+00	0.00E+00	1.07E-07
3445	420889.6	3740558.83	3.06E-07	7.04E-07	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-07	7.04E-07	0.00E+00	0.00E+00	1.01E-06	3.85E-08	6.89E-08	0.00E+00	0.00E+00	1.07E-07
3446	420882.47	3740564.25	3.08E-07	7.08E-07	0.00E+00	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-07	7.08E-07	0.00E+00	0.00E+00	1.02E-06	3.87E-08	6.93E-08	0.00E+00	0.00E+00	1.08E-07
3447	420839.71	3740596.75	3.20E-07	7.38E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	7.38E-07	0.00E+00	0.00E+00	1.06E-06	4.03E-08	7.22E-08	0.00E+00	0.00E+00	1.13E-07
3448	420832.58	3740602.17	3.22E-07	7.42E-07	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	7.42E-07	0.00E+00	0.00E+00	1.06E-06	4.05E-08	7.27E-08	0.00E+00	0.00E+00	1.13E-07
3449	421049.26	3740057.52	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.75E-07	1.81E-08	3.24E-08	0.00E+00	0.00E+00	5.05E-08
3450	421049.21	3740048.53	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-07	3.25E-07	0.00E+00	0.00E+00	4.66E-07	1.78E-08	3.18E-08	0.00E+00	0.00E+00	4.96E-08
3451	421049.17	3740039.54	1.39E-07	3.19E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	3.19E-07	0.00E+00	0.00E+00	4.58E-07	1.74E-08	3.13E-08	0.00E+00	0.00E+00	4.87E-08
3452	421049.12	3740030.55	1.36E-07	3.13E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-07	3.13E-07	0.00E+00	0.00E+00	4.50E-07	1.71E-08	3.07E-08	0.00E+00	0.00E+00	4.78E-08
3453	421049.08	3740021.56	1.34E-07	3.08E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	3.08E-07	0.00E+00	0.00E+00	4.41E-07	1.68E-08	3.01E-08	0.00E+00	0.00E+00	4.69E-08
3454	421049.03	3740012.56	1.31E-07	3.02E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.02E-07	0.00E+00	0.00E+00	4.33E-07	1.65E-08	2.96E-08	0.00E+00	0.00E+00	4.61E-08
3455	421048.99	3740003.57	1.29E-07	2.96E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	2.96E-07	0.00E+00	0.00E+00	4.25E-07	1.62E

3507	421078.9	3740226.95	1.85E-07	4.27E-07	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	4.27E-07	0.00E+00	0.00E+00	6.12E-07	2.33E-08	4.18E-08	0.00E+00	0.00E+00	6.51E-08
3508	421073.6	3740243.88	1.93E-07	4.43E-07	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	4.43E-07	0.00E+00	0.00E+00	6.36E-07	2.42E-08	4.34E-08	0.00E+00	0.00E+00	6.76E-08
3509	421068.29	3740260.81	2.00E-07	4.60E-07	0.00E+00	0.00E+00	6.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	4.60E-07	0.00E+00	0.00E+00	6.60E-07	2.51E-08	4.51E-08	0.00E+00	0.00E+00	7.02E-08
3510	421062.99	3740277.74	2.08E-07	4.78E-07	0.00E+00	0.00E+00	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-07	4.78E-07	0.00E+00	0.00E+00	6.85E-07	2.61E-08	4.68E-08	0.00E+00	0.00E+00	7.29E-08
3511	421057.68	3740294.67	2.14E-07	4.94E-07	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-07	4.94E-07	0.00E+00	0.00E+00	7.08E-07	2.70E-08	4.83E-08	0.00E+00	0.00E+00	7.53E-08
3512	421052.38	3740311.59	2.21E-07	5.09E-07	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-07	5.09E-07	0.00E+00	0.00E+00	7.30E-07	2.78E-08	4.98E-08	0.00E+00	0.00E+00	7.76E-08
3513	421047.07	3740328.52	2.26E-07	5.20E-07	0.00E+00	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	5.20E-07	0.00E+00	0.00E+00	7.47E-07	2.84E-08	5.10E-08	0.00E+00	0.00E+00	7.94E-08
3514	421041.77	3740345.45	2.31E-07	5.31E-07	0.00E+00	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	5.31E-07	0.00E+00	0.00E+00	7.62E-07	2.90E-08	5.20E-08	0.00E+00	0.00E+00	8.10E-08
3515	421036.46	3740362.38	2.35E-07	5.42E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	5.42E-07	0.00E+00	0.00E+00	7.77E-07	2.96E-08	5.31E-08	0.00E+00	0.00E+00	8.27E-08
3516	421031.16	3740379.31	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	5.53E-07	0.00E+00	0.00E+00	7.93E-07	3.02E-08	5.41E-08	0.00E+00	0.00E+00	8.43E-08
3517	421025.85	3740396.24	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	3.08E-08	5.53E-08	0.00E+00	0.00E+00	8.61E-08
3518	421020.55	3740413.17	2.49E-07	5.73E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	5.73E-07	0.00E+00	0.00E+00	8.22E-07	3.13E-08	5.61E-08	0.00E+00	0.00E+00	8.74E-08
3519	421015.24	3740430.1	2.52E-07	5.79E-07	0.00E+00	0.00E+00	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	5.79E-07	0.00E+00	0.00E+00	8.31E-07	3.17E-08	5.67E-08	0.00E+00	0.00E+00	8.84E-08
3520	421009.94	3740447.03	2.54E-07	5.85E-07	0.00E+00	0.00E+00	8.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	5.85E-07	0.00E+00	0.00E+00	8.39E-07	3.20E-08	5.73E-08	0.00E+00	0.00E+00	8.92E-08
3521	421004.63	3740463.96	2.56E-07	5.90E-07	0.00E+00	0.00E+00	8.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	5.90E-07	0.00E+00	0.00E+00	8.46E-07	3.22E-08	5.78E-08	0.00E+00	0.00E+00	9.00E-08
3522	420999.33	3740480.89	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.56E-07	3.26E-08	5.84E-08	0.00E+00	0.00E+00	9.10E-08
3523	420994.02	3740497.82	2.61E-07	6.02E-07	0.00E+00	0.00E+00	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	6.02E-07	0.00E+00	0.00E+00	8.63E-07	3.29E-08	5.89E-08	0.00E+00	0.00E+00	9.18E-08
3524	420988.72	3740514.75	2.63E-07	6.05E-07	0.00E+00	0.00E+00	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	6.05E-07	0.00E+00	0.00E+00	8.68E-07	3.31E-08	5.92E-08	0.00E+00	0.00E+00	9.23E-08
3525	420983.41	3740531.68	2.63E-07	6.06E-07	0.00E+00	0.00E+00	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	6.06E-07	0.00E+00	0.00E+00	8.69E-07	3.31E-08	5.93E-08	0.00E+00	0.00E+00	9.24E-08
3526	420978.11	3740548.61	2.63E-07	6.04E-07	0.00E+00	0.00E+00	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	6.04E-07	0.00E+00	0.00E+00	8.67E-07	3.30E-08	5.92E-08	0.00E+00	0.00E+00	9.22E-08
3527	420955.13	3740604.76	2.60E-07	5.99E-07	0.00E+00	0.00E+00	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-07	5.99E-07	0.00E+00	0.00E+00	8.59E-07	3.27E-08	5.86E-08	0.00E+00	0.00E+00	9.14E-08
3528	420941	3740615.5	2.65E-07	6.11E-07	0.00E+00	0.00E+00	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	6.11E-07	0.00E+00	0.00E+00	8.76E-07	3.34E-08	5.98E-08	0.00E+00	0.00E+00	9.31E-08
3529	420926.88	3740626.23	2.70E-07	6.22E-07	0.00E+00	0.00E+00	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	6.22E-07	0.00E+00	0.00E+00	8.92E-07	3.40E-08	6.09E-08	0.00E+00	0.00E+00	9.49E-08
3530	420912.76	3740636.97	2.74E-07	6.30E-07	0.00E+00	0.00E+00	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	6.30E-07	0.00E+00	0.00E+00	9.04E-07	3.44E-08	6.17E-08	0.00E+00	0.00E+00	9.62E-08
3531	420898.63	3740647.71	2.77E-07	6.37E-07	0.00E+00	0.00E+00	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	6.37E-07	0.00E+00	0.00E+00	9.14E-07	3.48E-08	6.24E-08	0.00E+00	0.00E+00	9.72E-08
3532	420884.51	3740658.44	2.80E-07	6.44E-07	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	6.44E-07	0.00E+00	0.00E+00	9.23E-07	3.52E-08	6.30E-08	0.00E+00	0.00E+00	9.82E-08
3533	420870.38	3740669.18	2.83E-07	6.51E-07	0.00E+00	0.00E+00	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	6.51E-07	0.00E+00	0.00E+00	9.34E-07	3.56E-08	6.37E-08	0.00E+00	0.00E+00	9.93E-08
3534	420856.26	3740679.91	2.86E-07	6.58E-07	0.00E+00	0.00E+00	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	6.58E-07	0.00E+00	0.00E+00	9.44E-07	3.60E-08	6.44E-08	0.00E+00	0.00E+00	1.00E-07
3535	420842.14	3740690.65	2.88E-07	6.64E-07	0.00E+00	0.00E+00	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	6.64E-07	0.00E+00	0.00E+00	9.52E-07	3.63E-08	6.50E-08	0.00E+00	0.00E+00	1.01E-07
3536	421129.25	3740057.13	1.22E-07	2.81E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	2.81E-07	0.00E+00	0.00E+00	4.03E-07	1.53E-08	2.75E-08	0.00E+00	0.00E+00	4.28E-08
3537	421129.21	3740048.14	1.20E-07	2.77E-07	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.77E-07	0.00E+00	0.00E+00	3.97E-07	1.51E-08	2.71E-08	0.00E+00	0.00E+00	4.22E-08
3538	421129.17	3740039.14	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.91E-07	1.49E-08	2.67E-08	0.00E+00	0.00E+00	4.16E-08
3539	421129.12	3740030.15	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	2.69E-07	0.00E+00	0.00E+00	3.85E-07	1.47E-08	2.63E-08	0.00E+00	0.00E+00	4.10E-08
3540	421129.08	3740021.16	1.15E-07	2.65E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.65E-07	0.00E+00	0.00E+00	3.80E-07	1.45E-08	2.59E-08	0.00E+00	0.00E+00	4.04E-08
3541	421129.03	3740012.17	1.13E-07	2.61E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.61E-07	0.00E+00	0.00E+00	3.75E-07	1.43E-08	2.56E-08	0.00E+00	0.00E+00	3.98E-08
3542	421128.99	3740003.18	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.57E-07	0.00E+00	0.00E+00	3.69E-07	1.41E-08	2.52E-08	0.00E+00	0.00E+00	3.92E-08
3543	421166.62	3740074.48	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-07	2.72E-07	0.00E+00	0.00E+00	3.91E-07	1.49E-08	2.67E-08	0.00E+00	0.00E+00	4.15E-08
3544	421161.25	3740091.6	1.23E-07	2.83E-07	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	2.83E-07	0.00E+00	0.00E+00	4.06E-07	1.55E-08	2.77E-08	0.00E+00	0.00E+00	4.32E-08
3545	421158.57	3740100.17	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	2.89E-07	0.00E+00	0.00E+00	4.14E-07	1.58E-08	2.83E-08	0.00E+00	0.00E+00	4.41E-08
3546	421153.2	3740117.29	1.31E-07	3.02E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.02E-07	0.00E+00	0.00E+00	4.33E-07	1.65E-08	2.96E-08	0.00E+00	0.00E+00	4.61E-08
3547	421147.84	3740134.41	1.37E-07	3.16E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.16E-07	0.00E+00	0.00E+00	4.53E-07	1.72E-08	3.09E-08	0.00E+00	0.00E+00	4.81E-08
3548	421142.47	3740151.53	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.31E-07	0.00E+00	0.00E+00	4.74E-07	1.81E-08	3.24E-08	0.00E+00	0.00E+00	5.04E-08
3549	421137.11	3740168.65	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.46E-07	0.00E+00	0.00E+00	4.96E-07	1.89E-08	3.39E-08	0.00E+00	0.00E+00	5.28E-08
3550	421131.74	3740185.77	1.57E-07	3.61E-07	0.00E+00	0.00E+00	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.61E-07	0.00E+00	0.00E+00	5.17E-07	1.97E-08	3.53E-08	0.00E+00	0.00E+00	5.50E-08
3551	421126.38	3740202.9	1.63E-07	3.75E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	3.75E-07	0.00E+00	0.00E+00	5.38E-07	2.05E-08	3.67E-08	0.00E+00	0.00E+00	5.72E-08
3552	421121.01	3740220.02	1.70E-07	3.90E-07	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	3.90E-07	0.00E+00	0.00E+00	5.60E-07	2.13E-08	3.82E-08	0.00E+00	0.00E+00	5.95E-08
3553	421115.64	3740237.14	1.76E-07	4.05E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-07	4.05E-07	0.00E+00	0.00E+00	5.81E-07	2.21E-08	3.96E-08	0.00E+00	0.00E+00	6.18E-08
3554	421110.28	3740254.26	1.82E-07	4.19E-07	0.00E+00	0.00E+00	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	4.19E-07	0.00E+00	0.00E+00	6.01E-07	2.29E-08	4.10E-08	0.00E+00	0.00E+00	6.39E-08
3555	421104.91	3740271.38	1.88E-07	4.33E-07	0.00E+00	0.00E+00	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-07	4.33E-07	0.00E+00	0.00E+00	6.21E-07	2.36E-08	4.24E-08	0.00E+00	0.00E+00	6.60E-08
3556	421099.55	3740288.51	1.94E-07	4.46E-07	0.00E+00	0.00E+00	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	4.46E-07	0.00E+00	0.00E+00	6.40E-07	2.44E-08	4.37E-08	0.00E+00	0.00E+00	6.80E-08
3557	421094.18	3740305.63	1.99E-07	4.58E-07	0.00E+00	0.00E+00	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	4.58E-07	0.00E+00	0.00E+00	6.57E-07	2.50E-08	4.49E-08	0.00E+00	0.00E+00	6.99E-08
3558	421088.82	3740322.75	2.05E-07	4.71E-07	0.00E+00	0.00E+00	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-07	4.71E-07	0.00E+00	0.00E+00	6.75E-07	2.57E-08	4.61E-08	0.00E+00	0.00E+00	7.18E-08
3559	421083.45	3740339.87	2.10E-07	4.83E-07	0.00E+00	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	4.83E-07	0.00E+00	0.00E+00	6.92E-07	2.64E-08	4.73E-08	0.00E+00	0.00E+00	7.36E-08
3560	421080.77	3740348.43	2.13E-07	4.89E-07	0.00E+00	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	4.89E-07	0.00E+00	0.00E+00	7.02E-07	2.67E-08	4.79E-08	0.00E+00	0.00E+00	7.47E-08
3561	421075.4	3740365.55	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	5.02E-07	0.00E+00	0.00E+00	7.20E-07	2.74E-08	4.92E-08	0.00E+00	0.00E+00	7.66E-08
3562	421070.04	3740382.68	2.23E-07	5.12E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.12E-07	0.00E+00	0.00E+00	7.35E-07	2.80E-08	5.02E-08	0.00E+00	0.00E+00	7.82E-08
3563	421064.67	3740399.8	2.26E-07	5.21E-07	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	5.21E-07	0.00E+00	0.00E+00	7.48E-07	2.85E-08	5.10E-08	0.00E+00	0.00E+00	7.95E-08
3564	421059.31	3740416.92	2.30E-07	5.29E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-07	5.29E-07	0.00E+00	0.00E+00	7.59E-07	2.89E-08	5.18E-08	0.00E+00	0.00E+00	8.07E-08
3565	421053.94	3740434.04	2.33E-07	5.36E-07	0.00E+00	0.00E+00	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	5.36E-07	0.00E+00	0.00E+00	7.69E-07	2.93E-08	5.25E-08	0.00E+00	0.00E+00	8.17E-08
3566	421048.58	3740451.16	2.35E-07	5.41E-07	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	5.41E-07	0.00E+00	0.00E+00	7.77E-07	2.96E-08	5.30E-08	0.00E+00	0.00E+00	8.26E-08
3567	421043.21	3740468.29	2.38E-07	5.47E-07	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	5.47E-07	0.00E+00	0.00E+00	7.85E-07	2.99E-08	5.36E-08	0.00E+00	0.00E+00	8.35E-08
3568	421037.85	3740485.41	2.41E-07	5.54E-07	0.00E+00	0.00E+00	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	5.54E-07	0.00E+00	0.00E+00	7.94E-07	3.03E-08	5.42E-08	0.00E+00	0.00E+00	8.45E-08
3569	421032.48	3740502.53	2.43E-07	5.59E-07	0.00E+00	0.00E+00	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	5.59E-07	0.00E+00	0.00E+00	8.02E-07	3.05E-08	5.47E-08	0.00E+00	0.00E+00	8.53E-08
3570	421027.12	3740519.65	2.45E-07	5.63E-07	0.00E+00	0.00E+00	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.63E-07	0.00E+00	0.00E+00	8.07E-07	3.08E-08	5.51E-08	0.00E+00	0.00E+00	8.59E-08
3571	421021.75	3740536.77	2.46E-07	5.66E-07	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.66E-07	0.00E+00	0.00E+00	8.12E-07	3.09E-08	5.54E-08	0.00E+00	0.00E+00	8.63E-08
3572	421016.39	3740553.9	2.46E-07	5.67E-07	0.00E+00	0.00E+00	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-07	5.67E-07	0.00E+00	0.00E+00	8.14E-07	3.10E-08	5.55E-08	0.00E+00	0.00E+00	8.65E-08
3573	421005.66	3740588.14	2.45E-07	5.63E-07	0.00E+00	0.00E+00	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.63E-07	0.00E+00	0.00E+00	8.08E-07	3.08E-08	5.52E-08	0.00E+00	0.00E+00	8.60E-08
3574	421000.29	3740605.26	2.43E-07	5.60E-07	0.00E+00	0.00E+00	8.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	5.60E-07	0.00E+00	0.00E+00	8.04E-07	3.06E-08	5.49E-08	0.00E+00	0.00E+00	8.55E-08
3575	420987.78	3740627.81	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	5.64E-07	0.00E+00	0.00E+00	8.09E-07	3.08E-08	5.52E-08	0.00E+00	0.00E+00	8.60E-08
3576	420980.64	3740633.24	2.47E-07	5.69E-07	0.00E+00	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-07	5.69E-07	0.00E+00	0.00E+00	8.16E-07	3.11E-08	5.57E-08	0.00E+00	0.00E+00	8.67E-08
3577	420973.5	3740638.67	2.49E-07	5.73E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	5.73E-07	0.00E+00	0.00E+00	8.22E-07	3.13E-08	5.61E-08	0.00E+00	0.00E+00	8.75E-08
3578	420959.21	3740649.53	2.53E-07	5.82E-07	0.00E+00	0.00E+00	8.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	5.82E-07	0.00E+00	0.00E+00	8.35E-07	3.18E-08	5.70E-08	0.00E+00	0.00E+00	8.88E-08
3579	420952.07	3740654.96	2.55E-07	5.86E-07	0.00E+00	0.00E+00	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	5.86E-07	0.00E+00	0.00E+00	8.41E-07	3.20E-08	5.74E-08	0.00E+00	0.00E+00	8.94E-08
3580	420944.93	3740660.39	2.56E-07	5.90E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-07	5.90E-07	0.00E+00	0.00E+00	8.47E-07	3.22E-08	5.78E-08	0.00E+00	0.00E+00	9.00E-08
3581	420930.64	3740671.24	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	5.97E-07	0.00E+00	0.00E+00	8.57E-07	3.26E-08	5.85E-08	0.00E+00	0.00E+00	9.11E-08
3582	420923.5	3740676.67	2.61E-07	6.00E-07	0.00E+00	0.00E+00	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	6.00E-07	0.00E+00	0.00E+00	8.60E-07	3.28E-08	5.87E-08	0.00E+00	0.00E+00	9.15E-08
3583	420909.22	3740687.53	2.62E-07	6.04E-07	0.00E+00	0.00E+00	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	6.04E-07	0.00E+00	0.00E+00	8.66E-07	3.30E-08	5.91E-08	0.00E+00	0.00E+00	9.21E-08
3584	420902.07	3740692.96	2.63E-07	6.05E-07	0.00E+00	0.00E+00	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	6.05E-07	0.00E+00	0.00E+00	8.68E-07	3.31E-08	5.93E-08	0.00E+00	0.00E+00	9.24E-08
3585	420894.93	3740698.39	2.64E-07	6.08E-07	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	6.08E-07	0.00E+00	0.00E+00	8.72E-07	3.32E

3637	420920.98	3740726.46	2.49E-07	5.73E-07	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-07	5.73E-07	0.00E+00	0.00E+00	8.22E-07	3.13E-08	5.61E-08	0.00E+00	0.00E+00	8.74E-08
3638	420906.76	3740737.27	2.52E-07	5.79E-07	0.00E+00	0.00E+00	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	5.79E-07	0.00E+00	0.00E+00	8.31E-07	3.16E-08	5.67E-08	0.00E+00	0.00E+00	8.83E-08
3639	420892.54	3740748.08	2.54E-07	5.85E-07	0.00E+00	0.00E+00	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	5.85E-07	0.00E+00	0.00E+00	8.40E-07	3.20E-08	5.73E-08	0.00E+00	0.00E+00	8.93E-08
3640	420878.31	3740758.89	2.57E-07	5.90E-07	0.00E+00	0.00E+00	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	5.90E-07	0.00E+00	0.00E+00	8.47E-07	3.23E-08	5.78E-08	0.00E+00	0.00E+00	9.01E-08
3641	420864.09	3740769.7	2.58E-07	5.93E-07	0.00E+00	0.00E+00	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.93E-07	0.00E+00	0.00E+00	8.51E-07	3.24E-08	5.81E-08	0.00E+00	0.00E+00	9.05E-08
3642	420849.87	3740780.51	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.52E-07	3.25E-08	5.82E-08	0.00E+00	0.00E+00	9.06E-08
3643	420842.75	3740785.92	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.94E-07	0.00E+00	0.00E+00	8.53E-07	3.25E-08	5.82E-08	0.00E+00	0.00E+00	9.07E-08
3644	421209.25	3740056.73	1.08E-07	2.48E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	2.48E-07	0.00E+00	0.00E+00	3.55E-07	1.35E-08	2.43E-08	0.00E+00	0.00E+00	3.78E-08
3645	421209.21	3740047.74	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.43E-07	0.00E+00	0.00E+00	3.49E-07	1.33E-08	2.38E-08	0.00E+00	0.00E+00	3.71E-08
3646	421209.17	3740038.75	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.39E-07	0.00E+00	0.00E+00	3.43E-07	1.31E-08	2.34E-08	0.00E+00	0.00E+00	3.65E-08
3647	421209.12	3740029.76	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.35E-07	0.00E+00	0.00E+00	3.37E-07	1.29E-08	2.30E-08	0.00E+00	0.00E+00	3.59E-08
3648	421209.08	3740020.77	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.32E-07	0.00E+00	0.00E+00	3.32E-07	1.26E-08	2.27E-08	0.00E+00	0.00E+00	3.53E-08
3649	421209.03	3740011.78	9.90E-08	2.28E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-08	2.28E-07	0.00E+00	0.00E+00	3.27E-07	1.24E-08	2.23E-08	0.00E+00	0.00E+00	3.48E-08
3650	421208.99	3740002.78	9.73E-08	2.24E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-08	2.24E-07	0.00E+00	0.00E+00	3.21E-07	1.22E-08	2.19E-08	0.00E+00	0.00E+00	3.42E-08
3651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3718	0	0	0.00E+00

3767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			UnMitigated		2010		T2				T2L3				T4			
			2006	420051.43	3739894.79													
			2.78E-03	6.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	6.93E-03	0.00E+00	0.00E+00	3.50E-04	6.78E-04	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4
1	420199.63	3739867.71	1.43E-03	3.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	3.56E-03	0.00E+00	0.00E+00	1.80E-04	3.49E-04	0.00E+00	0.00E+00
2	420190.26	3739867.71	1.51E-03	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	3.77E-03	0.00E+00	0.00E+00	1.90E-04	3.70E-04	0.00E+00	0.00E+00
3	420180.89	3739867.71	1.60E-03	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	3.99E-03	0.00E+00	0.00E+00	2.01E-04	3.91E-04	0.00E+00	0.00E+00
4	420171.52	3739867.71	1.69E-03	4.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	4.22E-03	0.00E+00	0.00E+00	2.13E-04	4.13E-04	0.00E+00	0.00E+00
5	420162.15	3739867.71	1.78E-03	4.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	4.45E-03	0.00E+00	0.00E+00	2.24E-04	4.36E-04	0.00E+00	0.00E+00
6	420152.78	3739867.71	1.87E-03	4.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	4.67E-03	0.00E+00	0.00E+00	2.36E-04	4.57E-04	0.00E+00	0.00E+00
7	420143.41	3739867.71	1.96E-03	4.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	4.88E-03	0.00E+00	0.00E+00	2.46E-04	4.78E-04	0.00E+00	0.00E+00
8	420134.04	3739867.71	2.04E-03	5.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	5.08E-03	0.00E+00	0.00E+00	2.56E-04	4.98E-04	0.00E+00	0.00E+00
9	420124.67	3739867.71	2.11E-03	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	5.26E-03	0.00E+00	0.00E+00	2.65E-04	5.15E-04	0.00E+00	0.00E+00
10	420115.3	3739867.71	2.17E-03	5.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	5.40E-03	0.00E+00	0.00E+00	2.73E-04	5.29E-04	0.00E+00	0.00E+00
11	420105.93	3739867.71	2.21E-03	5.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	5.52E-03	0.00E+00	0.00E+00	2.78E-04	5.40E-04	0.00E+00	0.00E+00
12	420096.56	3739867.71	2.25E-03	5.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	5.60E-03	0.00E+00	0.00E+00	2.83E-04	5.48E-04	0.00E+00	0.00E+00
13	420087.19	3739867.71	2.27E-03	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	5.65E-03	0.00E+00	0.00E+00	2.85E-04	5.53E-04	0.00E+00	0.00E+00
14	420077.82	3739867.71	2.27E-03	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	5.67E-03	0.00E+00	0.00E+00	2.86E-04	5.55E-04	0.00E+00	0.00E+00
15	420068.45	3739867.71	2.27E-03	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	5.65E-03	0.00E+00	0.00E+00	2.85E-04	5.53E-04	0.00E+00	0.00E+00
16	420233.18	3739857.69	1.09E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.71E-03	0.00E+00	0.00E+00	1.37E-04	2.65E-04	0.00E+00	0.00E+00
17	420249.31	3739864.35	1.04E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.59E-03	0.00E+00	0.00E+00	1.31E-04	2.54E-04	0.00E+00	0.00E+00
18	420265.43	3739871	9.94E-04	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	2.48E-03	0.00E+00	0.00E+00	1.25E-04	2.43E-04	0.00E+00	0.00E+00
19	420199.63	3739847.71	1.23E-03	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	3.05E-03	0.00E+00	0.00E+00	1.54E-04	2.99E-04	0.00E+00	0.00E+00
20	420190.26	3739847.71	1.29E-03	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	3.22E-03	0.00E+00	0.00E+00	1.62E-04	3.15E-04	0.00E+00	0.00E+00
21	420180.89	3739847.71	1.36E-03	3.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	3.39E-03	0.00E+00	0.00E+00	1.71E-04	3.32E-04	0.00E+00	0.00E+00
22	420171.52	3739847.71	1.43E-03	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	3.57E-03	0.00E+00	0.00E+00	1.80E-04	3.49E-04	0.00E+00	0.00E+00
23	420162.15	3739847.71	1.50E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	3.74E-03	0.00E+00	0.00E+00	1.89E-04	3.67E-04	0.00E+00	0.00E+00
24	420152.78	3739847.71	1.57E-03	3.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	3.92E-03	0.00E+00	0.00E+00	1.98E-04	3.84E-04	0.00E+00	0.00E+00
25	420143.41	3739847.71	1.64E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	4.09E-03	0.00E+00	0.00E+00	2.06E-04	4.00E-04	0.00E+00	0.00E+00
26	420134.04	3739847.71	1.70E-03	4.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	4.24E-03	0.00E+00	0.00E+00	2.14E-04	4.15E-04	0.00E+00	0.00E+00
27	420124.67	3739847.71	1.76E-03	4.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	4.38E-03	0.00E+00	0.00E+00	2.21E-04	4.29E-04	0.00E+00	0.00E+00
28	420115.3	3739847.71	1.81E-03	4.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	4.50E-03	0.00E+00	0.00E+00	2.27E-04	4.41E-04	0.00E+00	0.00E+00
29	420105.93	3739847.71	1.85E-03	4.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	4.60E-03	0.00E+00	0.00E+00	2.32E-04	4.51E-04	0.00E+00	0.00E+00
30	420096.56	3739847.71	1.88E-03	4.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	4.68E-03	0.00E+00	0.00E+00	2.36E-04	4.59E-04	0.00E+00	0.00E+00
31	420087.19	3739847.71	1.90E-03	4.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	4.74E-03	0.00E+00	0.00E+00	2.39E-04	4.64E-04	0.00E+00	0.00E+00
32	420077.82	3739847.71	1.92E-03	4.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	4.77E-03	0.00E+00	0.00E+00	2.41E-04	4.67E-04	0.00E+00	0.00E+00
33	420068.45	3739847.71	1.92E-03	4.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	4.78E-03	0.00E+00	0.00E+00	2.41E-04	4.68E-04	0.00E+00	0.00E+00
34	420234.39	3739838.19	9.49E-04	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	2.37E-03	0.00E+00	0.00E+00	1.19E-04	2.32E-04	0.00E+00	0.00E+00
35	420242.86	3739841.69	9.29E-04	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	2.31E-03	0.00E+00	0.00E+00	1.17E-04	2.27E-04	0.00E+00	0.00E+00
36	420251.32	3739845.18	9.09E-04	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04	2.27E-03	0.00E+00	0.00E+00	1.14E-04	2.22E-04	0.00E+00	0.00E+00
37	420259.79	3739848.67	8.90E-04	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	2.22E-03	0.00E+00	0.00E+00	1.12E-04	2.17E-04	0.00E+00	0.00E+00
38	420268.25	3739852.17	8.72E-04	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	2.17E-03	0.00E+00	0.00E+00	1.10E-04	2.13E-04	0.00E+00	0.00E+00
39	420276.71	3739855.66	8.53E-04	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-04	2.13E-03	0.00E+00	0.00E+00	1.07E-04	2.08E-04	0.00E+00	0.00E+00
40	420285.18	3739859.15	8.35E-04	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	2.08E-03	0.00E+00	0.00E+00	1.05E-04	2.04E-04	0.00E+00	0.00E+00
41	420293.64	3739862.65	8.17E-04	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	2.04E-03	0.00E+00	0.00E+00	1.03E-04	1.99E-04	0.00E+00	0.00E+00
42	420302.11	3739866.14	8.00E-04	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	1.99E-03	0.00E+00	0.00E+00	1.01E-04	1.95E-04	0.00E+00	0.00E+00
43	420310.57	3739869.64	7.84E-04	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.95E-03	0.00E+00	0.00E+00	9.86E-05	1.91E-04	0.00E+00	0.00E+00
44	420319.04	3739873.13	7.69E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.92E-03	0.00E+00	0.00E+00	9.67E-05	1.88E-04	0.00E+00	0.00E+00
45	420327.5	3739876.62	7.54E-04	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.88E-03	0.00E+00	0.00E+00	9.48E-05	1.84E-04	0.00E+00	0.00E+00
46	420209	3739827.71	1.01E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.52E-03	0.00E+00	0.00E+00	1.27E-04	2.47E-04	0.00E+00	0.00E+00
47	420199.63	3739827.71	1.06E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	2.65E-03	0.00E+00	0.00E+00	1.34E-04	2.60E-04	0.00E+00	0.00E+00
48	420190.26	3739827.71	1.12E-03	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.78E-03	0.00E+00	0.00E+00	1.41E-04	2.73E-04	0.00E+00	0.00E+00
49	420180.89	3739827.71	1.17E-03	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.92E-03	0.00E+00	0.00E+00	1.48E-04	2.86E-04	0.00E+00	0.00E+00
50	420171.52	3739827.71	1.23E-03	3.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	3.06E-03	0.00E+00	0.00E+00	1.55E-04	3.00E-04	0.00E+00	0.00E+00
51	420162.15	3739827.71	1.29E-03	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	3.20E-03	0.00E+00	0.00E+00	1.62E-04	3.14E-04	0.00E+00	0.00E+00
52	420152.78	3739827.71	1.34E-03	3.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	3.34E-03	0.00E+00	0.00E+00	1.69E-04	3.27E-04	0.00E+00	0.00E+00
53	420143.41	3739827.71	1.39E-03	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	3.47E-03	0.00E+00	0.00E+00	1.75E-04	3.40E-04	0.00E+00	0.00E+00
54	420134.04	3739827.71	1.44E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	3.59E-03	0.00E+00	0.00E+00	1.81E-04	3.52E-04	0.00E+00	0.00E+00
55	420124.67	3739827.71	1.48E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	3.70E-03	0.00E+00	0.00E+00	1.87E-04	3.62E-04	0.00E+00	0.00E+00
56	420115.3	3739827.71	1.53E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	3.80E-03	0.00E+00	0.00E+00	1.92E-04	3.72E-04	0.00E+00	0.00E+00
57	420105.93	3739827.71	1.56E-03	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	3.90E-03	0.00E+00	0.00E+00	1.97E-04	3.82E-04	0.00E+00	0.00E+00
58	420096.56	3739827.71	1.59E-03	3.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	3.98E-03	0.00E+00	0.00E+00	2.01E-04	3.89E-04	0.00E+00	0.00E+00
59	420087.19	3739827.71	1.62E-03	4.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	4.04E-03	0.00E+00	0.00E+00	2.04E-04	3.95E-04	0.00E+00	0.00E+00
60	420077.82	3739827.71	1.64E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	4.08E-03	0.00E+00	0.00E+00	2.06E-04	3.99E-04	0.00E+00	0.00E+00
61	420068.45	3739827.71	1.64E-03	4.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	4.10E-03	0.00E+00	0.00E+00	2.07E-04	4.01E-04	0.00E+00	0.00E+00
62	420233.9	3739817.99	8.42E-04	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	2.10E-03	0.00E+00	0.00E+00	1.06E-04	2.05E-04	0.00E+00	0.00E+00
63	420250.49	3739824.84	8.09E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.97E-04	0.00E+00	0.00E+00
64	420267.09	3739831.69	7.78E-04	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.94E-03	0.00E+00	0.00E+00	9.78E-05	1.90E-04	0.00E+00	0.00E+00
65	420283.69	3739838.54	7.48E-04	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.86E-03	0.00E+00	0.00E+00	9.40E-05	1.83E-04	0.00E+00	0.00E+00
66	420300.28	3739845.39	7.19E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.79E-03	0.00E+00	0.00E+00	9.04E-05	1.76E-04	0.00E+00	0.00E+00
67	420316.88	3739852.24	6.92E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.73E-03	0.00E+00	0.00E+00	8.70E-05	1.69E-04	0.00E+00	0.00E+00
68	420325.18	3739855.66	6.79E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.69E-03	0.00E+00	0.00E+00	8.55E-05	1.66E-04	0.00E+00	0.00E+00
69	420341.77	3739862.52	6.56E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.63E-03	0.00E+00	0.00E+00	8.25E-05	1.60E-04	0.00E+00	0.00E+00
70	420353.54	3739874.22	6.64E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.65E-03	0.00E+00	0.00E+00	8.35E-05	1.62E-04	0.00E+00	0.00E+00
71	420209	3739807.71	8.93E-04	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	2.23E-03	0.00E+00	0.00E+00	1.12E-04	2.18E-04	0.00E+00	0.00E+00
72	420199.63	3739807.71	9.35E-04	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	2.33E-03	0.00E+00	0.00E+00	1.18E-04	2.28E-04	0.00E+00	0.00E+00
73	420190.26	3739807.71	9.78E-04	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	2.44E-03	0.00E+00	0.00E+00	1.23E-04	2.39E-04	0.00E+00	0.00E+00
74	420180.89	3739807.71	1.02E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.55E-03	0.00E+00	0.00E+00	1.29E-04	2.50E-04	0.00E+00	0.00E+00
75	420171.52	3739807.71	1.07E-03	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.66E-03	0.00E+00	0.00E+00	1.34E-04	2.61E-04	0.00E+00	0.00E+00
76	420162.15	3739807.71	1.11E-03	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.78E-03	0.00E+00	0.00E+00	1.40E-04	2.72E-04	0.00E+00	0.00E+00
77	420152.78	3739807.71	1.16E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.89E-03	0.00E+00	0.00E+00	1.46E-04	2.83E-04	0.00E+00	0.00E+00
78	420143.41	3739807.71	1.20E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	3.00E-03	0.00E+00	0.00E+00	1.51E-04	2.93E-04	0.00E+00	0.00E+00
79	420134.04	3739807.71	1.24E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	3.10E-03	0.00E+00	0.00E+00	1.56E-04	3.04E-04	0.00E+00	0.00E+00
80	420124.67	3739807.71	1.28E-03	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	3.20E-03	0.00E+00	0.00E+00	1.61E-04	3.13E-04	0.00E+00	0.00E+00
81	420115.3	3739807.71	1.32E-03	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	3.29E-03	0.00E+00	0.00E+00	1.66E-04	3.22E-04	0.00E+00	0.00E+00
82	420105.93	3739807.71	1.35E-03	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	3.37E-03	0.00E+00	0.00E+00	1.70E-04	3.30E-04	0.00E+00	0.00E+00
83	420096.56	3739807.71	1.38E-03	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	3.44E-03	0.00E+00	0.00E+00	1.74E-04	3.37E-04	0.00E+00	0.00E+00
84	420087.19	3739807.71	1.40E-03	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	3.50E-03	0.00E+00	0.00E+00	1.76E-04	3.42E-04	0.00E+00	0.00E+00
85	420077.82	3739807.71	1.42E-03	3.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	3.54E-03	0.00E+00	0.00E+00	1.78E-04	3.46E-04	0.00E+00	0.00E+00
86	420068.45	3739807.71	1.43E-03	3.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	3.56E-03	0.00E+00	0.00E+00	1.80E-04	3.49E-04	0.00E+00	0.00E+00
87	420234.86	3739798.39	7.52E-04	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.87E-03	0.00E+00	0.00E+00	9.45E-05	1.83E-04	0.00E+00	0.00E+00
88	420243.48	3739801.94	7.37E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.84E-03	0.00E+00	0.00E+00	9.27E-05	1.80E-04	0.00E+00	0.00E+00
89	420252.11	3739805.5	7.23E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.80E-03	0.00E+00	0.00E+00	9.09E-05	1.76E-04	0.00E+00	0.00E+00
90	420260.73	3739809.06	7.09E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.77E-03	0.00E+00	0.00E+00	8.92E-05	1.73E-04	0.00E+00	0.00E+00
91	420269.35	3739812.62	6.95E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.73E-03	0.00E+00	0.00E+00	8.74E-05	1.70E-04	0.00E+00	0.00E+00
92	420277.97	3739816.18	6.82E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.70E-03	0.00E+00	0.00E+00	8.57E-05	1.66E-04	0.00E+00	0.00E+00
93	420286.59	3739819.74	6.68E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.67E-03	0.00E+00	0.00E+00	8.41E-05	1.63E-04	0.00E+00	0.00E+00
94	420295.21	3739823.3	6.56E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.63E-03	0.00E+00	0.00E+00	8.24E-05	1.60E-04	0.00E+00	0.00E+00
95	420303.83	3739826.85	6.43E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	1.60E-03

107	420171.52	3739787.71	9.38E-04	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04	2.34E-03	0.00E+00	0.00E+00	1.18E-04	2.29E-04	0.00E+00	0.00E+00
108	420162.15	3739787.71	9.76E-04	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	2.43E-03	0.00E+00	0.00E+00	1.23E-04	2.38E-04	0.00E+00	0.00E+00
109	420152.78	3739787.71	1.01E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.53E-03	0.00E+00	0.00E+00	1.27E-04	2.47E-04	0.00E+00	0.00E+00
110	420143.41	3739787.71	1.05E-03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.62E-03	0.00E+00	0.00E+00	1.32E-04	2.56E-04	0.00E+00	0.00E+00
111	420134.04	3739787.71	1.08E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.70E-03	0.00E+00	0.00E+00	1.36E-04	2.65E-04	0.00E+00	0.00E+00
112	420124.67	3739787.71	1.12E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.79E-03	0.00E+00	0.00E+00	1.41E-04	2.73E-04	0.00E+00	0.00E+00
113	420115.3	3739787.71	1.15E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.86E-03	0.00E+00	0.00E+00	1.45E-04	2.81E-04	0.00E+00	0.00E+00
114	420105.93	3739787.71	1.18E-03	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.94E-03	0.00E+00	0.00E+00	1.48E-04	2.88E-04	0.00E+00	0.00E+00
115	420096.56	3739787.71	1.20E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	3.00E-03	0.00E+00	0.00E+00	1.51E-04	2.94E-04	0.00E+00	0.00E+00
116	420087.19	3739787.71	1.23E-03	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	3.05E-03	0.00E+00	0.00E+00	1.54E-04	2.99E-04	0.00E+00	0.00E+00
117	420077.82	3739787.71	1.24E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	3.09E-03	0.00E+00	0.00E+00	1.56E-04	3.03E-04	0.00E+00	0.00E+00
118	420068.45	3739787.71	1.25E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	3.12E-03	0.00E+00	0.00E+00	1.57E-04	3.05E-04	0.00E+00	0.00E+00
119	420251.32	3739785.18	6.54E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.63E-03	0.00E+00	0.00E+00	8.23E-05	1.60E-04	0.00E+00	0.00E+00
120	420259.79	3739788.67	6.43E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	1.60E-03	0.00E+00	0.00E+00	8.08E-05	1.57E-04	0.00E+00	0.00E+00
121	420268.25	3739792.17	6.31E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	1.57E-03	0.00E+00	0.00E+00	7.94E-05	1.54E-04	0.00E+00	0.00E+00
122	420276.71	3739795.66	6.19E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.54E-03	0.00E+00	0.00E+00	7.79E-05	1.51E-04	0.00E+00	0.00E+00
123	420285.18	3739799.15	6.08E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	1.51E-03	0.00E+00	0.00E+00	7.64E-05	1.48E-04	0.00E+00	0.00E+00
124	420293.64	3739802.65	5.97E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.49E-03	0.00E+00	0.00E+00	7.50E-05	1.46E-04	0.00E+00	0.00E+00
125	420302.11	3739806.14	5.86E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.46E-03	0.00E+00	0.00E+00	7.37E-05	1.43E-04	0.00E+00	0.00E+00
126	420310.57	3739809.64	5.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.43E-03	0.00E+00	0.00E+00	7.24E-05	1.40E-04	0.00E+00	0.00E+00
127	420319.04	3739813.13	5.65E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.41E-03	0.00E+00	0.00E+00	7.11E-05	1.38E-04	0.00E+00	0.00E+00
128	420327.5	3739816.62	5.55E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	1.38E-03	0.00E+00	0.00E+00	6.98E-05	1.35E-04	0.00E+00	0.00E+00
129	420335.97	3739820.12	5.45E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	1.36E-03	0.00E+00	0.00E+00	6.86E-05	1.33E-04	0.00E+00	0.00E+00
130	420344.43	3739823.61	5.36E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	1.34E-03	0.00E+00	0.00E+00	6.74E-05	1.31E-04	0.00E+00	0.00E+00
131	420352.89	3739827.11	5.27E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	1.31E-03	0.00E+00	0.00E+00	6.63E-05	1.29E-04	0.00E+00	0.00E+00
132	420361.36	3739830.6	5.18E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	1.29E-03	0.00E+00	0.00E+00	6.52E-05	1.27E-04	0.00E+00	0.00E+00
133	420369.82	3739834.09	5.10E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	1.27E-03	0.00E+00	0.00E+00	6.42E-05	1.24E-04	0.00E+00	0.00E+00
134	420381.82	3739846.03	5.15E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	1.28E-03	0.00E+00	0.00E+00	6.48E-05	1.26E-04	0.00E+00	0.00E+00
135	420385.36	3739854.48	5.30E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	1.32E-03	0.00E+00	0.00E+00	6.66E-05	1.29E-04	0.00E+00	0.00E+00
136	420388.89	3739862.93	5.44E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.36E-03	0.00E+00	0.00E+00	6.85E-05	1.33E-04	0.00E+00	0.00E+00
137	420392.43	3739871.38	5.60E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.39E-03	0.00E+00	0.00E+00	7.04E-05	1.37E-04	0.00E+00	0.00E+00
138	420199.63	3739767.71	7.42E-04	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	1.85E-03	0.00E+00	0.00E+00	9.33E-05	1.81E-04	0.00E+00	0.00E+00
139	420190.26	3739767.71	7.71E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	1.92E-03	0.00E+00	0.00E+00	9.70E-05	1.88E-04	0.00E+00	0.00E+00
140	420180.89	3739767.71	8.01E-04	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	2.00E-03	0.00E+00	0.00E+00	1.01E-04	1.96E-04	0.00E+00	0.00E+00
141	420171.52	3739767.71	8.32E-04	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	2.07E-03	0.00E+00	0.00E+00	1.05E-04	2.03E-04	0.00E+00	0.00E+00
142	420162.15	3739767.71	8.63E-04	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	2.15E-03	0.00E+00	0.00E+00	1.09E-04	2.11E-04	0.00E+00	0.00E+00
143	420152.78	3739767.71	8.95E-04	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	2.23E-03	0.00E+00	0.00E+00	1.13E-04	2.18E-04	0.00E+00	0.00E+00
144	420143.41	3739767.71	9.25E-04	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	2.31E-03	0.00E+00	0.00E+00	1.16E-04	2.26E-04	0.00E+00	0.00E+00
145	420134.04	3739767.71	9.55E-04	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04	2.38E-03	0.00E+00	0.00E+00	1.20E-04	2.33E-04	0.00E+00	0.00E+00
146	420124.67	3739767.71	9.84E-04	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	2.45E-03	0.00E+00	0.00E+00	1.24E-04	2.40E-04	0.00E+00	0.00E+00
147	420115.3	3739767.71	1.01E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.52E-03	0.00E+00	0.00E+00	1.27E-04	2.47E-04	0.00E+00	0.00E+00
148	420105.93	3739767.71	1.04E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.58E-03	0.00E+00	0.00E+00	1.30E-04	2.53E-04	0.00E+00	0.00E+00
149	420096.56	3739767.71	1.06E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	2.64E-03	0.00E+00	0.00E+00	1.33E-04	2.59E-04	0.00E+00	0.00E+00
150	420087.19	3739767.71	1.08E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.69E-03	0.00E+00	0.00E+00	1.36E-04	2.63E-04	0.00E+00	0.00E+00
151	420077.82	3739767.71	1.09E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.72E-03	0.00E+00	0.00E+00	1.37E-04	2.67E-04	0.00E+00	0.00E+00
152	420068.45	3739767.71	1.10E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.75E-03	0.00E+00	0.00E+00	1.39E-04	2.69E-04	0.00E+00	0.00E+00
153	420234.01	3739758.03	6.14E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	1.53E-03	0.00E+00	0.00E+00	7.73E-05	1.50E-04	0.00E+00	0.00E+00
154	420242.34	3739761.47	6.05E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.51E-03	0.00E+00	0.00E+00	7.60E-05	1.48E-04	0.00E+00	0.00E+00
155	420300.7	3739785.56	5.38E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	1.34E-03	0.00E+00	0.00E+00	6.76E-05	1.31E-04	0.00E+00	0.00E+00
156	420309.03	3739789	5.29E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	1.32E-03	0.00E+00	0.00E+00	6.65E-05	1.29E-04	0.00E+00	0.00E+00
157	420317.37	3739792.44	5.20E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	1.29E-03	0.00E+00	0.00E+00	6.53E-05	1.27E-04	0.00E+00	0.00E+00
158	420325.71	3739795.88	5.11E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	1.27E-03	0.00E+00	0.00E+00	6.42E-05	1.25E-04	0.00E+00	0.00E+00
159	420342.38	3739802.76	4.93E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	1.23E-03	0.00E+00	0.00E+00	6.20E-05	1.20E-04	0.00E+00	0.00E+00
160	420350.71	3739806.21	4.85E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	1.21E-03	0.00E+00	0.00E+00	6.10E-05	1.18E-04	0.00E+00	0.00E+00
161	420359.05	3739809.65	4.77E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	1.19E-03	0.00E+00	0.00E+00	6.00E-05	1.17E-04	0.00E+00	0.00E+00
162	420375.72	3739816.53	4.62E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	1.15E-03	0.00E+00	0.00E+00	5.81E-05	1.13E-04	0.00E+00	0.00E+00
163	420384.06	3739819.97	4.55E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	1.13E-03	0.00E+00	0.00E+00	5.73E-05	1.11E-04	0.00E+00	0.00E+00
164	420395.88	3739831.73	4.59E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	1.14E-03	0.00E+00	0.00E+00	5.78E-05	1.12E-04	0.00E+00	0.00E+00
165	420402.84	3739848.37	4.83E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	1.20E-03	0.00E+00	0.00E+00	6.07E-05	1.18E-04	0.00E+00	0.00E+00
166	420406.32	3739856.69	4.96E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	1.24E-03	0.00E+00	0.00E+00	6.24E-05	1.21E-04	0.00E+00	0.00E+00
167	420413.29	3739873.32	5.23E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	1.30E-03	0.00E+00	0.00E+00	6.58E-05	1.28E-04	0.00E+00	0.00E+00
168	420199.63	3739747.71	6.68E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.66E-03	0.00E+00	0.00E+00	8.40E-05	1.63E-04	0.00E+00	0.00E+00
169	420190.26	3739747.71	6.92E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.72E-03	0.00E+00	0.00E+00	8.70E-05	1.69E-04	0.00E+00	0.00E+00
170	420180.89	3739747.71	7.17E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	1.79E-03	0.00E+00	0.00E+00	9.02E-05	1.75E-04	0.00E+00	0.00E+00
171	420171.52	3739747.71	7.43E-04	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	1.85E-03	0.00E+00	0.00E+00	9.34E-05	1.81E-04	0.00E+00	0.00E+00
172	420162.15	3739747.71	7.69E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.92E-03	0.00E+00	0.00E+00	9.67E-05	1.88E-04	0.00E+00	0.00E+00
173	420152.78	3739747.71	7.96E-04	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	1.98E-03	0.00E+00	0.00E+00	1.00E-04	1.94E-04	0.00E+00	0.00E+00
174	420143.41	3739747.71	8.22E-04	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04	2.05E-03	0.00E+00	0.00E+00	1.03E-04	2.01E-04	0.00E+00	0.00E+00
175	420134.04	3739747.71	8.48E-04	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	2.11E-03	0.00E+00	0.00E+00	1.07E-04	2.07E-04	0.00E+00	0.00E+00
176	420124.67	3739747.71	8.73E-04	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	2.18E-03	0.00E+00	0.00E+00	1.10E-04	2.13E-04	0.00E+00	0.00E+00
177	420115.3	3739747.71	8.96E-04	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	2.23E-03	0.00E+00	0.00E+00	1.13E-04	2.19E-04	0.00E+00	0.00E+00
178	420105.93	3739747.71	9.18E-04	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	2.29E-03	0.00E+00	0.00E+00	1.15E-04	2.24E-04	0.00E+00	0.00E+00
179	420096.56	3739747.71	9.38E-04	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04	2.34E-03	0.00E+00	0.00E+00	1.18E-04	2.29E-04	0.00E+00	0.00E+00
180	420087.19	3739747.71	9.55E-04	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04	2.38E-03	0.00E+00	0.00E+00	1.20E-04	2.33E-04	0.00E+00	0.00E+00
181	420077.82	3739747.71	9.70E-04	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-04	2.42E-03	0.00E+00	0.00E+00	1.22E-04	2.37E-04	0.00E+00	0.00E+00
182	420068.45	3739747.71	9.81E-04	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	2.44E-03	0.00E+00	0.00E+00	1.23E-04	2.39E-04	0.00E+00	0.00E+00
183	420234.76	3739738.34	5.59E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.39E-03	0.00E+00	0.00E+00	7.02E-05	1.36E-04	0.00E+00	0.00E+00
184	420243.35	3739741.89	5.50E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	1.37E-03	0.00E+00	0.00E+00	6.92E-05	1.34E-04	0.00E+00	0.00E+00
185	420251.94	3739745.43	5.41E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	1.35E-03	0.00E+00	0.00E+00	6.81E-05	1.32E-04	0.00E+00	0.00E+00
186	420260.52	3739748.98	5.33E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	1.33E-03	0.00E+00	0.00E+00	6.70E-05	1.30E-04	0.00E+00	0.00E+00
187	420269.11	3739752.52	5.24E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	1.31E-03	0.00E+00	0.00E+00	6.59E-05	1.28E-04	0.00E+00	0.00E+00
188	420277.7	3739756.07	5.16E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	1.29E-03	0.00E+00	0.00E+00	6.49E-05	1.26E-04	0.00E+00	0.00E+00
189	420286.28	3739759.61	5.08E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	1.27E-03	0.00E+00	0.00E+00	6.39E-05	1.24E-04	0.00E+00	0.00E+00
190	420294.87	3739763.15	5.00E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	1.25E-03	0.00E+00	0.00E+00	6.29E-05	1.22E-04	0.00E+00	0.00E+00
191	420346.39	3739784.42	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00
192	420354.98	3739787.97	4.45E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	1.11E-03	0.00E+00	0.00E+00	5.59E-05	1.08E-04	0.00E+00	0.00E+00
193	420363.57	3739791.51	4.37E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	1.09E-03	0.00E+00	0.00E+00	5.50E-05	1.07E-04	0.00E+00	0.00E+00
194	420372.15	3739795.06	4.30E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	1.07E-03	0.00E+00	0.00E+00	5.40E-05	1.05E-04	0.00E+00	0.00E+00
195	420380.74	3739798.6	4.22E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	1.05E-03	0.00E+00	0.00E+00	5.31E-05	1.03E-04	0.00E+00	0.00E+00
196	420389.33	3739802.14	4.16E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	1.04E-03	0.00E+00	0.00E+00	5.23E-05	1.01E-04	0.00E+00	0.00E+00
197	420397.91	3739805.69	4.10E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	1.02E-03	0.00E+00	0.00E+00	5.15E-05	1.00E-04	0.00E+00	0.00E+00
198	420410.09	3739817.8	4.13E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	1.03E-03	0.00E+00	0.00E+00	5.20E-05	1.01E-04	0.00E+00	0.00E+00
199	420413.68	3739826.37	4.23E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	1.05E-03	0.00E+00	0.00E+00	5.32E-05	1.03E-04	0.00E+00	0.00E+00
200	420417.26	3739834.94	4.33E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	1.08E-03	0.00E+00	0.00E+00	5.45E-05	1.06E-04	0.00E+00	0.00E+00
201	420420.85	3739843.51	4.44E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	1.11E-03	0.00E+00	0.00E+00	5.59E-05	1.08E-04	0.00E+00	0.00E+00
202	420424.44	3739852.08	4.56E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	1.14E-03	0.00E+00	0.00E+00	5.74E-05	1.11E-04	0.00E+00	0.00E+00
203	420428.02	3739860.65	4.69E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-

217	420087.19	3739727.71	8.52E-04	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	2.12E-03	0.00E+00	0.00E+00	1.07E-04	2.08E-04	0.00E+00	0.00E+00
218	420077.82	3739727.71	8.65E-04	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	2.16E-03	0.00E+00	0.00E+00	1.09E-04	2.11E-04	0.00E+00	0.00E+00
219	420068.45	3739727.71	8.77E-04	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04	2.18E-03	0.00E+00	0.00E+00	1.10E-04	2.14E-04	0.00E+00	0.00E+00
220	420234.39	3739718.19	5.11E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	1.27E-03	0.00E+00	0.00E+00	6.43E-05	1.25E-04	0.00E+00	0.00E+00
221	420242.86	3739721.69	5.04E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	1.26E-03	0.00E+00	0.00E+00	6.34E-05	1.23E-04	0.00E+00	0.00E+00
222	420251.32	3739725.18	4.97E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	1.24E-03	0.00E+00	0.00E+00	6.25E-05	1.21E-04	0.00E+00	0.00E+00
223	420259.79	3739728.67	4.89E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	1.22E-03	0.00E+00	0.00E+00	6.16E-05	1.19E-04	0.00E+00	0.00E+00
224	420268.25	3739732.17	4.82E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	1.20E-03	0.00E+00	0.00E+00	6.06E-05	1.18E-04	0.00E+00	0.00E+00
225	420276.71	3739735.66	4.75E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	1.18E-03	0.00E+00	0.00E+00	5.97E-05	1.16E-04	0.00E+00	0.00E+00
226	420285.18	3739739.15	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.88E-05	1.14E-04	0.00E+00	0.00E+00
227	420293.64	3739742.65	4.61E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	1.15E-03	0.00E+00	0.00E+00	5.80E-05	1.12E-04	0.00E+00	0.00E+00
228	420302.11	3739746.14	4.54E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	1.13E-03	0.00E+00	0.00E+00	5.71E-05	1.11E-04	0.00E+00	0.00E+00
229	420310.57	3739749.64	4.48E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	1.12E-03	0.00E+00	0.00E+00	5.63E-05	1.09E-04	0.00E+00	0.00E+00
230	420319.04	3739753.13	4.41E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	1.10E-03	0.00E+00	0.00E+00	5.55E-05	1.08E-04	0.00E+00	0.00E+00
231	420327.5	3739756.62	4.35E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.08E-03	0.00E+00	0.00E+00	5.47E-05	1.06E-04	0.00E+00	0.00E+00
232	420335.97	3739760.12	4.28E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	1.07E-03	0.00E+00	0.00E+00	5.38E-05	1.04E-04	0.00E+00	0.00E+00
233	420386.75	3739781.08	3.88E-04	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	9.68E-04	0.00E+00	0.00E+00	4.88E-05	9.48E-05	0.00E+00	0.00E+00
234	420395.22	3739784.57	3.83E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.53E-04	0.00E+00	0.00E+00	4.81E-05	9.34E-05	0.00E+00	0.00E+00
235	420403.68	3739788.07	3.77E-04	9.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	9.40E-04	0.00E+00	0.00E+00	4.74E-05	9.20E-05	0.00E+00	0.00E+00
236	420412.14	3739791.56	3.72E-04	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	9.27E-04	0.00E+00	0.00E+00	4.68E-05	9.07E-05	0.00E+00	0.00E+00
237	420424.14	3739803.5	3.74E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	9.33E-04	0.00E+00	0.00E+00	4.71E-05	9.13E-05	0.00E+00	0.00E+00
238	420427.68	3739811.95	3.82E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.53E-04	0.00E+00	0.00E+00	4.81E-05	9.33E-05	0.00E+00	0.00E+00
239	420431.22	3739820.4	3.91E-04	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	9.74E-04	0.00E+00	0.00E+00	4.92E-05	9.54E-05	0.00E+00	0.00E+00
240	420438.29	3739837.29	4.09E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.02E-03	0.00E+00	0.00E+00	5.15E-05	9.99E-05	0.00E+00	0.00E+00
241	420441.82	3739845.74	4.19E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	1.05E-03	0.00E+00	0.00E+00	5.28E-05	1.02E-04	0.00E+00	0.00E+00
242	420445.36	3739854.19	4.30E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	1.07E-03	0.00E+00	0.00E+00	5.41E-05	1.05E-04	0.00E+00	0.00E+00
243	420448.89	3739862.63	4.41E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	1.10E-03	0.00E+00	0.00E+00	5.55E-05	1.08E-04	0.00E+00	0.00E+00
244	420199.63	3739707.71	5.51E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.37E-03	0.00E+00	0.00E+00	6.93E-05	1.34E-04	0.00E+00	0.00E+00
245	420190.26	3739707.71	5.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.42E-03	0.00E+00	0.00E+00	7.16E-05	1.39E-04	0.00E+00	0.00E+00
246	420180.89	3739707.71	5.88E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.46E-03	0.00E+00	0.00E+00	7.39E-05	1.43E-04	0.00E+00	0.00E+00
247	420171.52	3739707.71	6.07E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.51E-03	0.00E+00	0.00E+00	7.63E-05	1.48E-04	0.00E+00	0.00E+00
248	420162.15	3739707.71	6.26E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.56E-03	0.00E+00	0.00E+00	7.87E-05	1.53E-04	0.00E+00	0.00E+00
249	420152.78	3739707.71	6.45E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.61E-03	0.00E+00	0.00E+00	8.11E-05	1.57E-04	0.00E+00	0.00E+00
250	420143.41	3739707.71	6.64E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.65E-03	0.00E+00	0.00E+00	8.35E-05	1.62E-04	0.00E+00	0.00E+00
251	420134.04	3739707.71	6.82E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.70E-03	0.00E+00	0.00E+00	8.57E-05	1.66E-04	0.00E+00	0.00E+00
252	420124.67	3739707.71	6.99E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-04	1.74E-03	0.00E+00	0.00E+00	8.79E-05	1.71E-04	0.00E+00	0.00E+00
253	420115.3	3739707.71	7.16E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.79E-03	0.00E+00	0.00E+00	9.01E-05	1.75E-04	0.00E+00	0.00E+00
254	420105.93	3739707.71	7.34E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	1.83E-03	0.00E+00	0.00E+00	9.23E-05	1.79E-04	0.00E+00	0.00E+00
255	420096.56	3739707.71	7.50E-04	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	1.87E-03	0.00E+00	0.00E+00	9.43E-05	1.83E-04	0.00E+00	0.00E+00
256	420087.19	3739707.71	7.65E-04	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.91E-03	0.00E+00	0.00E+00	9.62E-05	1.87E-04	0.00E+00	0.00E+00
257	420077.82	3739707.71	7.77E-04	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	1.94E-03	0.00E+00	0.00E+00	9.77E-05	1.90E-04	0.00E+00	0.00E+00
258	420068.45	3739707.71	7.88E-04	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.96E-03	0.00E+00	0.00E+00	9.91E-05	1.92E-04	0.00E+00	0.00E+00
259	420234.86	3739688.39	4.51E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	1.12E-03	0.00E+00	0.00E+00	5.67E-05	1.10E-04	0.00E+00	0.00E+00
260	420243.48	3739691.94	4.45E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	1.11E-03	0.00E+00	0.00E+00	5.59E-05	1.09E-04	0.00E+00	0.00E+00
261	420252.11	3739695.5	4.39E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	1.09E-03	0.00E+00	0.00E+00	5.52E-05	1.07E-04	0.00E+00	0.00E+00
262	420260.73	3739699.06	4.33E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	1.08E-03	0.00E+00	0.00E+00	5.44E-05	1.06E-04	0.00E+00	0.00E+00
263	420269.35	3739702.62	4.27E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	1.06E-03	0.00E+00	0.00E+00	5.37E-05	1.04E-04	0.00E+00	0.00E+00
264	420277.97	3739706.18	4.21E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	1.05E-03	0.00E+00	0.00E+00	5.30E-05	1.03E-04	0.00E+00	0.00E+00
265	420286.59	3739709.74	4.15E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	1.03E-03	0.00E+00	0.00E+00	5.22E-05	1.01E-04	0.00E+00	0.00E+00
266	420295.21	3739713.3	4.09E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.02E-03	0.00E+00	0.00E+00	5.15E-05	9.99E-05	0.00E+00	0.00E+00
267	420303.83	3739716.85	4.04E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	1.01E-03	0.00E+00	0.00E+00	5.08E-05	9.85E-05	0.00E+00	0.00E+00
268	420312.45	3739720.41	3.98E-04	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	9.92E-04	0.00E+00	0.00E+00	5.01E-05	9.71E-05	0.00E+00	0.00E+00
269	420321.07	3739723.97	3.93E-04	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	9.78E-04	0.00E+00	0.00E+00	4.94E-05	9.58E-05	0.00E+00	0.00E+00
270	420329.7	3739727.53	3.87E-04	9.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	9.65E-04	0.00E+00	0.00E+00	4.87E-05	9.45E-05	0.00E+00	0.00E+00
271	420338.32	3739731.09	3.82E-04	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.52E-04	0.00E+00	0.00E+00	4.80E-05	9.32E-05	0.00E+00	0.00E+00
272	420346.94	3739734.65	3.76E-04	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	9.38E-04	0.00E+00	0.00E+00	4.73E-05	9.18E-05	0.00E+00	0.00E+00
273	420355.56	3739738.21	3.71E-04	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	9.24E-04	0.00E+00	0.00E+00	4.66E-05	9.05E-05	0.00E+00	0.00E+00
274	420364.18	3739741.76	3.65E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	9.10E-04	0.00E+00	0.00E+00	4.59E-05	8.91E-05	0.00E+00	0.00E+00
275	420372.8	3739745.32	3.59E-04	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	8.96E-04	0.00E+00	0.00E+00	4.52E-05	8.77E-05	0.00E+00	0.00E+00
276	420381.42	3739748.88	3.54E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	8.81E-04	0.00E+00	0.00E+00	4.45E-05	8.63E-05	0.00E+00	0.00E+00
277	420390.04	3739752.44	3.48E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.68E-04	0.00E+00	0.00E+00	4.38E-05	8.49E-05	0.00E+00	0.00E+00
278	420398.66	3739756	3.43E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.55E-04	0.00E+00	0.00E+00	4.32E-05	8.37E-05	0.00E+00	0.00E+00
279	420407.29	3739759.56	3.38E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	8.43E-04	0.00E+00	0.00E+00	4.26E-05	8.26E-05	0.00E+00	0.00E+00
280	420445.37	3739782.39	3.27E-04	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	8.15E-04	0.00E+00	0.00E+00	4.11E-05	7.98E-05	0.00E+00	0.00E+00
281	420448.97	3739791	3.33E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	8.31E-04	0.00E+00	0.00E+00	4.19E-05	8.13E-05	0.00E+00	0.00E+00
282	420452.57	3739799.6	3.40E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	8.47E-04	0.00E+00	0.00E+00	4.27E-05	8.29E-05	0.00E+00	0.00E+00
283	420456.17	3739808.2	3.47E-04	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	8.65E-04	0.00E+00	0.00E+00	4.36E-05	8.47E-05	0.00E+00	0.00E+00
284	420459.77	3739816.81	3.54E-04	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	8.83E-04	0.00E+00	0.00E+00	4.46E-05	8.65E-05	0.00E+00	0.00E+00
285	420463.38	3739825.41	3.62E-04	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	9.03E-04	0.00E+00	0.00E+00	4.56E-05	8.84E-05	0.00E+00	0.00E+00
286	420466.98	3739834.02	3.71E-04	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	9.24E-04	0.00E+00	0.00E+00	4.66E-05	9.05E-05	0.00E+00	0.00E+00
287	420470.58	3739842.62	3.80E-04	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	9.47E-04	0.00E+00	0.00E+00	4.78E-05	9.27E-05	0.00E+00	0.00E+00
288	420474.18	3739851.22	3.89E-04	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	9.70E-04	0.00E+00	0.00E+00	4.90E-05	9.50E-05	0.00E+00	0.00E+00
289	420477.78	3739859.83	3.99E-04	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	9.96E-04	0.00E+00	0.00E+00	5.02E-05	9.75E-05	0.00E+00	0.00E+00
290	420481.38	3739868.43	4.11E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	1.02E-03	0.00E+00	0.00E+00	5.16E-05	1.00E-04	0.00E+00	0.00E+00
291	420199.63	3739677.71	4.83E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	1.20E-03	0.00E+00	0.00E+00	6.07E-05	1.18E-04	0.00E+00	0.00E+00
292	420190.26	3739677.71	4.98E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	1.24E-03	0.00E+00	0.00E+00	6.26E-05	1.21E-04	0.00E+00	0.00E+00
293	420180.89	3739677.71	5.13E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	1.28E-03	0.00E+00	0.00E+00	6.45E-05	1.25E-04	0.00E+00	0.00E+00
294	420171.52	3739677.71	5.29E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	1.32E-03	0.00E+00	0.00E+00	6.65E-05	1.29E-04	0.00E+00	0.00E+00
295	420162.15	3739677.71	5.44E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.36E-03	0.00E+00	0.00E+00	6.85E-05	1.33E-04	0.00E+00	0.00E+00
296	420152.78	3739677.71	5.60E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.40E-03	0.00E+00	0.00E+00	7.04E-05	1.37E-04	0.00E+00	0.00E+00
297	420143.41	3739677.71	5.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.43E-03	0.00E+00	0.00E+00	7.23E-05	1.40E-04	0.00E+00	0.00E+00
298	420134.04	3739677.71	5.90E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.47E-03	0.00E+00	0.00E+00	7.42E-05	1.44E-04	0.00E+00	0.00E+00
299	420124.67	3739677.71	6.04E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.51E-03	0.00E+00	0.00E+00	7.60E-05	1.47E-04	0.00E+00	0.00E+00
300	420115.3	3739677.71	6.18E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.54E-03	0.00E+00	0.00E+00	7.78E-05	1.51E-04	0.00E+00	0.00E+00
301	420105.93	3739677.71	6.32E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.58E-03	0.00E+00	0.00E+00	7.95E-05	1.54E-04	0.00E+00	0.00E+00
302	420096.56	3739677.71	6.45E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.61E-03	0.00E+00	0.00E+00	8.11E-05	1.57E-04	0.00E+00	0.00E+00
303	420087.19	3739677.71	6.57E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.64E-03	0.00E+00	0.00E+00	8.27E-05	1.60E-04	0.00E+00	0.00E+00
304	420077.82	3739677.71	6.69E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.67E-03	0.00E+00	0.00E+00	8.42E-05	1.63E-04	0.00E+00	0.00E+00
305	420068.45	3739677.71	6.80E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	1.69E-03	0.00E+00	0.00E+00	8.55E-05	1.66E-04	0.00E+00	0.00E+00
306	420234.39	3739658.19	4.01E-04	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	9.99E-04	0.00E+00	0.00E+00	5.04E-05	9.78E-05	0.00E+00	0.00E+00
307	420242.86	3739661.69	3.96E-04	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	9.87E-04	0.00E+00	0.00E+00	4.98E-05	9.67E-05	0.00E+00	0.00E+00
308	420251.32	3739665.18	3.92E-04	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	9.76E-04	0.00E+00	0.00E+00	4.92E-05	9.56E-05	0.00E+00	0.00E+00
309	420259.79	3739668.67	3.87E-04	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	9.64E-04	0.00E+00	0.00E+00	4.87E-05	9.44E-05	0.00E+00	0.00E+00
310	420268.25	3739672.17	3.82E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.53E-04	0.00E+00	0.00E+00	4.81E-05	9.33E-05	0.00E+00	0.00E+00
311	420276.71	3739675.66	3.78E-04	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.41E-04	0.00E+00	0.00E+00	4.75E-05	9.21E-05	0.00E+00	0.00E+00
312	420285.18	3739679.15	3.73E-04	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	9.29E-04	0.00E+00	0.00E+00	4.69E-05	9.10E-05	0.00E+00	0.00E+00
313	420293.64	3739682.65	3.68E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04

327	420412.14	3739731.56	3.05E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	7.60E-04	0.00E+00	0.00E+00	3.84E-05	7.44E-05	0.00E+00	0.00E+00
328	420420.61	3739735.06	3.01E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.50E-04	0.00E+00	0.00E+00	3.79E-05	7.35E-05	0.00E+00	0.00E+00
329	420429.07	3739738.55	2.97E-04	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.41E-04	0.00E+00	0.00E+00	3.74E-05	7.26E-05	0.00E+00	0.00E+00
330	420437.54	3739742.04	2.94E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.32E-04	0.00E+00	0.00E+00	3.69E-05	7.17E-05	0.00E+00	0.00E+00
331	420446	3739745.54	2.90E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.23E-04	0.00E+00	0.00E+00	3.65E-05	7.08E-05	0.00E+00	0.00E+00
332	420454.47	3739749.03	2.87E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.15E-04	0.00E+00	0.00E+00	3.61E-05	7.00E-05	0.00E+00	0.00E+00
333	420466.47	3739760.97	2.88E-04	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.19E-04	0.00E+00	0.00E+00	3.63E-05	7.04E-05	0.00E+00	0.00E+00
334	420477.07	3739786.31	3.04E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.58E-04	0.00E+00	0.00E+00	3.82E-05	7.42E-05	0.00E+00	0.00E+00
335	420480.61	3739794.76	3.10E-04	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	7.71E-04	0.00E+00	0.00E+00	3.89E-05	7.55E-05	0.00E+00	0.00E+00
336	420484.14	3739803.21	3.15E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	7.86E-04	0.00E+00	0.00E+00	3.97E-05	7.70E-05	0.00E+00	0.00E+00
337	420487.68	3739811.65	3.22E-04	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.02E-04	0.00E+00	0.00E+00	4.05E-05	7.86E-05	0.00E+00	0.00E+00
338	420494.75	3739828.55	3.36E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	8.38E-04	0.00E+00	0.00E+00	4.23E-05	8.20E-05	0.00E+00	0.00E+00
339	420199.63	3739647.71	4.28E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	1.07E-03	0.00E+00	0.00E+00	5.38E-05	1.04E-04	0.00E+00	0.00E+00
340	420190.26	3739647.71	4.40E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	1.10E-03	0.00E+00	0.00E+00	5.53E-05	1.07E-04	0.00E+00	0.00E+00
341	420180.89	3739647.71	4.53E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00
342	420171.52	3739647.71	4.65E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	1.16E-03	0.00E+00	0.00E+00	5.85E-05	1.14E-04	0.00E+00	0.00E+00
343	420162.15	3739647.71	4.78E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	1.19E-03	0.00E+00	0.00E+00	6.02E-05	1.17E-04	0.00E+00	0.00E+00
344	420152.78	3739647.71	4.91E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	1.22E-03	0.00E+00	0.00E+00	6.18E-05	1.20E-04	0.00E+00	0.00E+00
345	420143.41	3739647.71	5.04E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	1.26E-03	0.00E+00	0.00E+00	6.34E-05	1.23E-04	0.00E+00	0.00E+00
346	420134.04	3739647.71	5.16E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	1.29E-03	0.00E+00	0.00E+00	6.49E-05	1.26E-04	0.00E+00	0.00E+00
347	420124.67	3739647.71	5.28E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	1.32E-03	0.00E+00	0.00E+00	6.65E-05	1.29E-04	0.00E+00	0.00E+00
348	420115.3	3739647.71	5.40E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	1.35E-03	0.00E+00	0.00E+00	6.80E-05	1.32E-04	0.00E+00	0.00E+00
349	420105.93	3739647.71	5.52E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.38E-03	0.00E+00	0.00E+00	6.94E-05	1.35E-04	0.00E+00	0.00E+00
350	420096.56	3739647.71	5.63E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.40E-03	0.00E+00	0.00E+00	7.09E-05	1.37E-04	0.00E+00	0.00E+00
351	420087.19	3739647.71	5.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.43E-03	0.00E+00	0.00E+00	7.22E-05	1.40E-04	0.00E+00	0.00E+00
352	420077.82	3739647.71	5.85E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.46E-03	0.00E+00	0.00E+00	7.35E-05	1.43E-04	0.00E+00	0.00E+00
353	420068.45	3739647.71	5.94E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	1.48E-03	0.00E+00	0.00E+00	7.47E-05	1.45E-04	0.00E+00	0.00E+00
354	420234.79	3739628.36	3.59E-04	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	8.96E-04	0.00E+00	0.00E+00	4.52E-05	8.77E-05	0.00E+00	0.00E+00
355	420243.39	3739631.9	3.55E-04	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	8.86E-04	0.00E+00	0.00E+00	4.47E-05	8.67E-05	0.00E+00	0.00E+00
356	420251.98	3739635.45	3.51E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.76E-04	0.00E+00	0.00E+00	4.42E-05	8.57E-05	0.00E+00	0.00E+00
357	420260.58	3739639	3.47E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	8.66E-04	0.00E+00	0.00E+00	4.37E-05	8.48E-05	0.00E+00	0.00E+00
358	420269.18	3739642.55	3.43E-04	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.56E-04	0.00E+00	0.00E+00	4.32E-05	8.38E-05	0.00E+00	0.00E+00
359	420277.77	3739646.1	3.40E-04	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	8.46E-04	0.00E+00	0.00E+00	4.27E-05	8.29E-05	0.00E+00	0.00E+00
360	420286.37	3739649.65	3.36E-04	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	8.37E-04	0.00E+00	0.00E+00	4.22E-05	8.19E-05	0.00E+00	0.00E+00
361	420294.97	3739653.19	3.32E-04	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	8.27E-04	0.00E+00	0.00E+00	4.17E-05	8.10E-05	0.00E+00	0.00E+00
362	420303.56	3739656.74	3.28E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	8.17E-04	0.00E+00	0.00E+00	4.12E-05	8.00E-05	0.00E+00	0.00E+00
363	420312.16	3739660.29	3.24E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.08E-04	0.00E+00	0.00E+00	4.08E-05	7.91E-05	0.00E+00	0.00E+00
364	420320.76	3739663.84	3.20E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.98E-04	0.00E+00	0.00E+00	4.03E-05	7.82E-05	0.00E+00	0.00E+00
365	420329.35	3739667.39	3.16E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.89E-04	0.00E+00	0.00E+00	3.98E-05	7.72E-05	0.00E+00	0.00E+00
366	420337.95	3739670.94	3.13E-04	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	7.79E-04	0.00E+00	0.00E+00	3.93E-05	7.63E-05	0.00E+00	0.00E+00
367	420346.55	3739674.49	3.09E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	7.70E-04	0.00E+00	0.00E+00	3.88E-05	7.54E-05	0.00E+00	0.00E+00
368	420355.14	3739678.03	3.05E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	7.60E-04	0.00E+00	0.00E+00	3.83E-05	7.44E-05	0.00E+00	0.00E+00
369	420363.74	3739681.58	3.01E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.50E-04	0.00E+00	0.00E+00	3.79E-05	7.35E-05	0.00E+00	0.00E+00
370	420372.34	3739685.13	2.97E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.40E-04	0.00E+00	0.00E+00	3.74E-05	7.25E-05	0.00E+00	0.00E+00
371	420380.93	3739688.68	2.93E-04	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.30E-04	0.00E+00	0.00E+00	3.68E-05	7.15E-05	0.00E+00	0.00E+00
372	420389.53	3739692.23	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00
373	420398.13	3739695.78	2.85E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	7.11E-04	0.00E+00	0.00E+00	3.59E-05	6.96E-05	0.00E+00	0.00E+00
374	420406.72	3739699.32	2.81E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.01E-04	0.00E+00	0.00E+00	3.54E-05	6.87E-05	0.00E+00	0.00E+00
375	420415.32	3739702.87	2.78E-04	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.92E-04	0.00E+00	0.00E+00	3.49E-05	6.78E-05	0.00E+00	0.00E+00
376	420423.92	3739706.42	2.74E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.83E-04	0.00E+00	0.00E+00	3.45E-05	6.69E-05	0.00E+00	0.00E+00
377	420432.51	3739709.97	2.71E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.60E-05	0.00E+00	0.00E+00
378	420441.11	3739713.52	2.67E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.66E-04	0.00E+00	0.00E+00	3.36E-05	6.52E-05	0.00E+00	0.00E+00
379	420449.71	3739717.07	2.64E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.58E-04	0.00E+00	0.00E+00	3.32E-05	6.44E-05	0.00E+00	0.00E+00
380	420458.3	3739720.61	2.61E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.50E-04	0.00E+00	0.00E+00	3.28E-05	6.37E-05	0.00E+00	0.00E+00
381	420466.9	3739724.16	2.58E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	6.42E-04	0.00E+00	0.00E+00	3.24E-05	6.29E-05	0.00E+00	0.00E+00
382	420475.5	3739727.71	2.55E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.35E-04	0.00E+00	0.00E+00	3.20E-05	6.22E-05	0.00E+00	0.00E+00
383	420487.68	3739739.84	2.56E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.38E-04	0.00E+00	0.00E+00	3.22E-05	6.25E-05	0.00E+00	0.00E+00
384	420491.27	3739748.42	2.60E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.49E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00
385	420494.86	3739757	2.65E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.59E-04	0.00E+00	0.00E+00	3.33E-05	6.46E-05	0.00E+00	0.00E+00
386	420199.63	3739617.71	3.82E-04	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.52E-04	0.00E+00	0.00E+00	4.80E-05	9.32E-05	0.00E+00	0.00E+00
387	420190.26	3739617.71	3.92E-04	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	9.77E-04	0.00E+00	0.00E+00	4.93E-05	9.56E-05	0.00E+00	0.00E+00
388	420180.89	3739617.71	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.06E-05	9.82E-05	0.00E+00	0.00E+00
389	420171.52	3739617.71	4.13E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	1.03E-03	0.00E+00	0.00E+00	5.19E-05	1.01E-04	0.00E+00	0.00E+00
390	420162.15	3739617.71	4.24E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.06E-03	0.00E+00	0.00E+00	5.33E-05	1.03E-04	0.00E+00	0.00E+00
391	420152.78	3739617.71	4.35E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.08E-03	0.00E+00	0.00E+00	5.47E-05	1.06E-04	0.00E+00	0.00E+00
392	420143.41	3739617.71	4.46E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	1.11E-03	0.00E+00	0.00E+00	5.61E-05	1.09E-04	0.00E+00	0.00E+00
393	420134.04	3739617.71	4.57E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	1.14E-03	0.00E+00	0.00E+00	5.75E-05	1.12E-04	0.00E+00	0.00E+00
394	420124.67	3739617.71	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.89E-05	1.14E-04	0.00E+00	0.00E+00
395	420115.3	3739617.71	4.79E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	1.19E-03	0.00E+00	0.00E+00	6.02E-05	1.17E-04	0.00E+00	0.00E+00
396	420105.93	3739617.71	4.89E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	1.22E-03	0.00E+00	0.00E+00	6.16E-05	1.19E-04	0.00E+00	0.00E+00
397	420096.56	3739617.71	5.00E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	1.25E-03	0.00E+00	0.00E+00	6.28E-05	1.22E-04	0.00E+00	0.00E+00
398	420087.19	3739617.71	5.09E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	1.27E-03	0.00E+00	0.00E+00	6.41E-05	1.24E-04	0.00E+00	0.00E+00
399	420077.82	3739617.71	5.19E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	1.29E-03	0.00E+00	0.00E+00	6.52E-05	1.27E-04	0.00E+00	0.00E+00
400	420068.45	3739617.71	5.27E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	1.31E-03	0.00E+00	0.00E+00	6.63E-05	1.29E-04	0.00E+00	0.00E+00
401	420234.39	3739598.19	3.25E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.09E-04	0.00E+00	0.00E+00	4.08E-05	7.93E-05	0.00E+00	0.00E+00
402	420242.86	3739601.69	3.21E-04	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.01E-04	0.00E+00	0.00E+00	4.04E-05	7.84E-05	0.00E+00	0.00E+00
403	420251.32	3739605.18	3.18E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.92E-04	0.00E+00	0.00E+00	4.00E-05	7.76E-05	0.00E+00	0.00E+00
404	420259.79	3739608.67	3.15E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	7.84E-04	0.00E+00	0.00E+00	3.96E-05	7.68E-05	0.00E+00	0.00E+00
405	420268.25	3739612.17	3.11E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	7.76E-04	0.00E+00	0.00E+00	3.91E-05	7.60E-05	0.00E+00	0.00E+00
406	420276.71	3739615.66	3.08E-04	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	7.68E-04	0.00E+00	0.00E+00	3.87E-05	7.52E-05	0.00E+00	0.00E+00
407	420285.18	3739619.15	3.05E-04	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	7.60E-04	0.00E+00	0.00E+00	3.83E-05	7.44E-05	0.00E+00	0.00E+00
408	420293.64	3739622.65	3.02E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.52E-04	0.00E+00	0.00E+00	3.79E-05	7.36E-05	0.00E+00	0.00E+00
409	420302.11	3739626.14	2.98E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.44E-04	0.00E+00	0.00E+00	3.75E-05	7.28E-05	0.00E+00	0.00E+00
410	420310.57	3739629.64	2.95E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	7.36E-04	0.00E+00	0.00E+00	3.71E-05	7.20E-05	0.00E+00	0.00E+00
411	420319.04	3739633.13	2.92E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.28E-04	0.00E+00	0.00E+00	3.67E-05	7.13E-05	0.00E+00	0.00E+00
412	420327.5	3739636.62	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00
413	420335.97	3739640.12	2.86E-04	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	7.12E-04	0.00E+00	0.00E+00	3.59E-05	6.97E-05	0.00E+00	0.00E+00
414	420344.43	3739643.61	2.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	7.04E-04	0.00E+00	0.00E+00	3.55E-05	6.89E-05	0.00E+00	0.00E+00
415	420352.89	3739647.11	2.79E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	6.96E-04	0.00E+00	0.00E+00	3.51E-05	6.81E-05	0.00E+00	0.00E+00
416	420361.36	3739650.6	2.76E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	6.88E-04	0.00E+00	0.00E+00	3.47E-05	6.73E-05	0.00E+00	0.00E+00
417	420369.82	3739654.09	2.73E-04	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	6.80E-04	0.00E+00	0.00E+00	3.43E-05	6.66E-05	0.00E+00	0.00E+00
418	420378.29	3739657.59	2.69E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.72E-04	0.00E+00	0.00E+00	3.39E-05	6.58E-05	0.00E+00	0.00E+00
419	420386.75	3739661.08	2.66E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.63E-04	0.00E+00	0.00E+00	3.35E-05	6.50E-05	0.00E+00	0.00E+00
420	420395.22	3739664.57	2.63E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.55E-04	0.00E+00	0.00E+00	3.31E-05	6.41E-05	0.00E+00	0.00E+00
421	420403.68	3739668.07	2.60E-04	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.47E-04	0.00E+00	0.00E+00	3.26E-05	6.33E-05	0.00E+00	0.00E+00
422	420412.14	3739671.56	2.56E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.39E-04	0.00E+00	0.00E+00	3.22E-05	6.26E-05	0.00E+00	0.00E+00
423	420420.61	3739675.06	2.53E-04	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04

437	420199.63	3739587.71	3.43E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.55E-04	0.00E+00	0.00E+00	4.31E-05	8.37E-05	0.00E+00	0.00E+00
438	420190.26	3739587.71	3.51E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.76E-04	0.00E+00	0.00E+00	4.42E-05	8.58E-05	0.00E+00	0.00E+00
439	420180.89	3739587.71	3.60E-04	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.97E-04	0.00E+00	0.00E+00	4.53E-05	8.79E-05	0.00E+00	0.00E+00
440	420171.52	3739587.71	3.69E-04	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	9.20E-04	0.00E+00	0.00E+00	4.64E-05	9.01E-05	0.00E+00	0.00E+00
441	420162.15	3739587.71	3.79E-04	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	9.44E-04	0.00E+00	0.00E+00	4.76E-05	9.24E-05	0.00E+00	0.00E+00
442	420152.78	3739587.71	3.88E-04	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	9.68E-04	0.00E+00	0.00E+00	4.88E-05	9.47E-05	0.00E+00	0.00E+00
443	420143.41	3739587.71	3.98E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	9.91E-04	0.00E+00	0.00E+00	5.00E-05	9.71E-05	0.00E+00	0.00E+00
444	420134.04	3739587.71	4.07E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	1.02E-03	0.00E+00	0.00E+00	5.12E-05	9.94E-05	0.00E+00	0.00E+00
445	420124.67	3739587.71	4.17E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.04E-03	0.00E+00	0.00E+00	5.24E-05	1.02E-04	0.00E+00	0.00E+00
446	420115.3	3739587.71	4.26E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	1.06E-03	0.00E+00	0.00E+00	5.36E-05	1.04E-04	0.00E+00	0.00E+00
447	420105.93	3739587.71	4.35E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.09E-03	0.00E+00	0.00E+00	5.48E-05	1.06E-04	0.00E+00	0.00E+00
448	420096.56	3739587.71	4.44E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	1.11E-03	0.00E+00	0.00E+00	5.59E-05	1.08E-04	0.00E+00	0.00E+00
449	420087.19	3739587.71	4.53E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.11E-04	0.00E+00	0.00E+00
450	420077.82	3739587.71	4.61E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	1.15E-03	0.00E+00	0.00E+00	5.80E-05	1.12E-04	0.00E+00	0.00E+00
451	420068.45	3739587.71	4.69E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	1.17E-03	0.00E+00	0.00E+00	5.89E-05	1.14E-04	0.00E+00	0.00E+00
452	420234.74	3739568.33	2.95E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	7.34E-04	0.00E+00	0.00E+00	3.71E-05	7.19E-05	0.00E+00	0.00E+00
453	420243.31	3739571.87	2.92E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.27E-04	0.00E+00	0.00E+00	3.67E-05	7.12E-05	0.00E+00	0.00E+00
454	420251.89	3739575.42	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00
455	420260.47	3739578.96	2.86E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	7.13E-04	0.00E+00	0.00E+00	3.60E-05	6.98E-05	0.00E+00	0.00E+00
456	420269.05	3739582.5	2.83E-04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	7.06E-04	0.00E+00	0.00E+00	3.56E-05	6.91E-05	0.00E+00	0.00E+00
457	420277.63	3739586.04	2.80E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.99E-04	0.00E+00	0.00E+00	3.53E-05	6.84E-05	0.00E+00	0.00E+00
458	420286.21	3739589.58	2.77E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.91E-04	0.00E+00	0.00E+00	3.49E-05	6.77E-05	0.00E+00	0.00E+00
459	420294.79	3739593.12	2.75E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	6.84E-04	0.00E+00	0.00E+00	3.45E-05	6.70E-05	0.00E+00	0.00E+00
460	420303.37	3739596.66	2.72E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.77E-04	0.00E+00	0.00E+00	3.42E-05	6.63E-05	0.00E+00	0.00E+00
461	420311.94	3739600.2	2.69E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.71E-04	0.00E+00	0.00E+00	3.38E-05	6.57E-05	0.00E+00	0.00E+00
462	420320.52	3739603.74	2.66E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.64E-04	0.00E+00	0.00E+00	3.35E-05	6.50E-05	0.00E+00	0.00E+00
463	420329.1	3739607.28	2.64E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.57E-04	0.00E+00	0.00E+00	3.32E-05	6.43E-05	0.00E+00	0.00E+00
464	420337.68	3739610.83	2.61E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.50E-04	0.00E+00	0.00E+00	3.28E-05	6.36E-05	0.00E+00	0.00E+00
465	420346.26	3739614.37	2.58E-04	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	6.43E-04	0.00E+00	0.00E+00	3.24E-05	6.29E-05	0.00E+00	0.00E+00
466	420354.84	3739617.91	2.55E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.36E-04	0.00E+00	0.00E+00	3.21E-05	6.22E-05	0.00E+00	0.00E+00
467	420363.42	3739621.45	2.52E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.29E-04	0.00E+00	0.00E+00	3.17E-05	6.15E-05	0.00E+00	0.00E+00
468	420372	3739624.99	2.50E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.22E-04	0.00E+00	0.00E+00	3.14E-05	6.09E-05	0.00E+00	0.00E+00
469	420380.57	3739628.53	2.47E-04	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.15E-04	0.00E+00	0.00E+00	3.10E-05	6.02E-05	0.00E+00	0.00E+00
470	420389.15	3739632.07	2.44E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.08E-04	0.00E+00	0.00E+00	3.07E-05	5.96E-05	0.00E+00	0.00E+00
471	420397.73	3739635.61	2.41E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.01E-04	0.00E+00	0.00E+00	3.03E-05	5.89E-05	0.00E+00	0.00E+00
472	420406.31	3739639.15	2.38E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.94E-04	0.00E+00	0.00E+00	3.00E-05	5.81E-05	0.00E+00	0.00E+00
473	420414.89	3739642.7	2.35E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.74E-05	0.00E+00	0.00E+00
474	420423.47	3739646.24	2.29E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.71E-04	0.00E+00	0.00E+00	2.88E-05	5.59E-05	0.00E+00	0.00E+00
475	420432.05	3739649.78	2.26E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.63E-04	0.00E+00	0.00E+00	2.84E-05	5.51E-05	0.00E+00	0.00E+00
476	420440.63	3739653.32	2.23E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.55E-04	0.00E+00	0.00E+00	2.80E-05	5.44E-05	0.00E+00	0.00E+00
477	420449.2	3739656.86	2.20E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.47E-04	0.00E+00	0.00E+00	2.76E-05	5.36E-05	0.00E+00	0.00E+00
478	420457.78	3739660.4	2.17E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.42E-04	0.00E+00	0.00E+00	2.73E-05	5.30E-05	0.00E+00	0.00E+00
479	420466.36	3739663.94	2.15E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.36E-04	0.00E+00	0.00E+00	2.70E-05	5.25E-05	0.00E+00	0.00E+00
480	420474.94	3739667.48	2.17E-04	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.41E-04	0.00E+00	0.00E+00	2.73E-05	5.29E-05	0.00E+00	0.00E+00
481	420483.52	3739671.02	2.15E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.35E-04	0.00E+00	0.00E+00	2.70E-05	5.24E-05	0.00E+00	0.00E+00
482	420492.1	3739674.57	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00
483	420500.68	3739678.11	2.10E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.23E-04	0.00E+00	0.00E+00	2.64E-05	5.12E-05	0.00E+00	0.00E+00
484	420509.26	3739681.65	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00
485	420517.83	3739685.19	2.05E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.12E-04	0.00E+00	0.00E+00	2.58E-05	5.01E-05	0.00E+00	0.00E+00
486	420199.63	3739557.71	3.10E-04	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	7.73E-04	0.00E+00	0.00E+00	3.90E-05	7.57E-05	0.00E+00	0.00E+00
487	420190.26	3739557.71	3.18E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.91E-04	0.00E+00	0.00E+00	3.99E-05	7.75E-05	0.00E+00	0.00E+00
488	420180.89	3739557.71	3.25E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.10E-04	0.00E+00	0.00E+00	4.09E-05	7.93E-05	0.00E+00	0.00E+00
489	420171.52	3739557.71	3.33E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	8.30E-04	0.00E+00	0.00E+00	4.19E-05	8.12E-05	0.00E+00	0.00E+00
490	420162.15	3739557.71	3.41E-04	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.50E-04	0.00E+00	0.00E+00	4.29E-05	8.32E-05	0.00E+00	0.00E+00
491	420152.78	3739557.71	3.49E-04	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	8.70E-04	0.00E+00	0.00E+00	4.39E-05	8.52E-05	0.00E+00	0.00E+00
492	420143.41	3739557.71	3.57E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	8.91E-04	0.00E+00	0.00E+00	4.49E-05	8.72E-05	0.00E+00	0.00E+00
493	420134.04	3739557.71	3.66E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.11E-04	0.00E+00	0.00E+00	4.60E-05	8.92E-05	0.00E+00	0.00E+00
494	420124.67	3739557.71	3.74E-04	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	9.31E-04	0.00E+00	0.00E+00	4.70E-05	9.12E-05	0.00E+00	0.00E+00
495	420115.3	3739557.71	3.82E-04	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.52E-04	0.00E+00	0.00E+00	4.80E-05	9.32E-05	0.00E+00	0.00E+00
496	420105.93	3739557.71	3.90E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	9.71E-04	0.00E+00	0.00E+00	4.90E-05	9.51E-05	0.00E+00	0.00E+00
497	420096.56	3739557.71	3.97E-04	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	9.90E-04	0.00E+00	0.00E+00	5.00E-05	9.70E-05	0.00E+00	0.00E+00
498	420087.19	3739557.71	4.05E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	1.01E-03	0.00E+00	0.00E+00	5.09E-05	9.88E-05	0.00E+00	0.00E+00
499	420077.82	3739557.71	4.12E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	1.03E-03	0.00E+00	0.00E+00	5.18E-05	1.01E-04	0.00E+00	0.00E+00
500	420068.45	3739557.71	4.18E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	1.04E-03	0.00E+00	0.00E+00	5.26E-05	1.02E-04	0.00E+00	0.00E+00
501	420234.39	3739538.19	2.69E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.70E-04	0.00E+00	0.00E+00	3.38E-05	6.56E-05	0.00E+00	0.00E+00
502	420242.86	3739541.69	2.67E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.64E-04	0.00E+00	0.00E+00	3.35E-05	6.50E-05	0.00E+00	0.00E+00
503	420251.32	3739545.18	2.64E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.58E-04	0.00E+00	0.00E+00	3.32E-05	6.44E-05	0.00E+00	0.00E+00
504	420259.79	3739548.67	2.62E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	6.52E-04	0.00E+00	0.00E+00	3.29E-05	6.38E-05	0.00E+00	0.00E+00
505	420268.25	3739552.17	2.59E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.46E-04	0.00E+00	0.00E+00	3.26E-05	6.32E-05	0.00E+00	0.00E+00
506	420276.71	3739555.66	2.57E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.40E-04	0.00E+00	0.00E+00	3.23E-05	6.27E-05	0.00E+00	0.00E+00
507	420285.18	3739559.15	2.54E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.34E-04	0.00E+00	0.00E+00	3.20E-05	6.21E-05	0.00E+00	0.00E+00
508	420293.64	3739562.65	2.52E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.28E-04	0.00E+00	0.00E+00	3.17E-05	6.15E-05	0.00E+00	0.00E+00
509	420302.11	3739566.14	2.50E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.22E-04	0.00E+00	0.00E+00	3.14E-05	6.09E-05	0.00E+00	0.00E+00
510	420310.57	3739569.64	2.47E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.17E-04	0.00E+00	0.00E+00	3.11E-05	6.04E-05	0.00E+00	0.00E+00
511	420319.04	3739573.13	2.45E-04	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	6.11E-04	0.00E+00	0.00E+00	3.08E-05	5.98E-05	0.00E+00	0.00E+00
512	420327.5	3739576.62	2.43E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.05E-04	0.00E+00	0.00E+00	3.05E-05	5.92E-05	0.00E+00	0.00E+00
513	420335.97	3739580.12	2.40E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.99E-04	0.00E+00	0.00E+00	3.02E-05	5.87E-05	0.00E+00	0.00E+00
514	420344.43	3739583.61	2.38E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.93E-04	0.00E+00	0.00E+00	2.99E-05	5.81E-05	0.00E+00	0.00E+00
515	420352.89	3739587.11	2.36E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.75E-05	0.00E+00	0.00E+00
516	420361.36	3739590.6	2.33E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.81E-04	0.00E+00	0.00E+00	2.93E-05	5.69E-05	0.00E+00	0.00E+00
517	420369.82	3739594.09	2.31E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.75E-04	0.00E+00	0.00E+00	2.90E-05	5.63E-05	0.00E+00	0.00E+00
518	420378.29	3739597.59	2.29E-04	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.70E-04	0.00E+00	0.00E+00	2.87E-05	5.58E-05	0.00E+00	0.00E+00
519	420386.75	3739601.08	2.26E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.64E-04	0.00E+00	0.00E+00	2.84E-05	5.52E-05	0.00E+00	0.00E+00
520	420395.22	3739604.57	2.24E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.58E-04	0.00E+00	0.00E+00	2.81E-05	5.46E-05	0.00E+00	0.00E+00
521	420403.68	3739608.07	2.21E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.51E-04	0.00E+00	0.00E+00	2.78E-05	5.40E-05	0.00E+00	0.00E+00
522	420412.14	3739611.56	2.16E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.39E-04	0.00E+00	0.00E+00	2.72E-05	5.27E-05	0.00E+00	0.00E+00
523	420420.61	3739615.06	2.13E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.31E-04	0.00E+00	0.00E+00	2.68E-05	5.20E-05	0.00E+00	0.00E+00
524	420429.07	3739618.55	2.10E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.23E-04	0.00E+00	0.00E+00	2.64E-05	5.12E-05	0.00E+00	0.00E+00
525	420437.54	3739622.04	2.07E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.16E-04	0.00E+00	0.00E+00	2.60E-05	5.05E-05	0.00E+00	0.00E+00
526	420446	3739625.54	2.04E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.09E-04	0.00E+00	0.00E+00	2.57E-05	4.99E-05	0.00E+00	0.00E+00
527	420454.47	3739629.03	2.02E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.05E-04	0.00E+00	0.00E+00	2.55E-05	4.94E-05	0.00E+00	0.00E+00
528	420462.93	3739632.53	2.01E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.01E-04	0.00E+00	0.00E+00	2.53E-05	4.91E-05	0.00E+00	0.00E+00
529	420471.4	3739636.02	2.03E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.05E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00
530	420479.86	3739639.51	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.90E-05	0.00E+00	0.00E+00
531	420488.32	3739643.01	1.99E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.95E-04	0.00E+00	0.00E+00	2.50E-05	4.85E-05	0.00E+00	0.00E+00
532	420496.79	3739646.5	1.97E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.90E-04	0.00E+00	0.00E+00	2.47E-05	4.80E-05	0.00E+00	0.00E+00
533	420505.25	3739649.99	1.95E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04

547	420096.56	3739527.71	3.58E-04	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.92E-04	0.00E+00	0.00E+00	4.50E-05	8.73E-05	0.00E+00	0.00E+00
548	420087.19	3739527.71	3.64E-04	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	9.08E-04	0.00E+00	0.00E+00	4.58E-05	8.89E-05	0.00E+00	0.00E+00
549	420077.82	3739527.71	3.71E-04	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	9.23E-04	0.00E+00	0.00E+00	4.66E-05	9.04E-05	0.00E+00	0.00E+00
550	420068.45	3739527.71	3.76E-04	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	9.38E-04	0.00E+00	0.00E+00	4.73E-05	9.19E-05	0.00E+00	0.00E+00
551	420234.7	3739508.32	2.47E-04	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.15E-04	0.00E+00	0.00E+00	3.10E-05	6.02E-05	0.00E+00	0.00E+00
552	420243.26	3739511.85	2.44E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.09E-04	0.00E+00	0.00E+00	3.07E-05	5.96E-05	0.00E+00	0.00E+00
553	420251.83	3739515.39	2.42E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	6.04E-04	0.00E+00	0.00E+00	3.05E-05	5.91E-05	0.00E+00	0.00E+00
554	420260.39	3739518.92	2.40E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.98E-04	0.00E+00	0.00E+00	3.02E-05	5.86E-05	0.00E+00	0.00E+00
555	420268.96	3739522.46	2.38E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.93E-04	0.00E+00	0.00E+00	2.99E-05	5.81E-05	0.00E+00	0.00E+00
556	420277.52	3739525.99	2.36E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.88E-04	0.00E+00	0.00E+00	2.97E-05	5.75E-05	0.00E+00	0.00E+00
557	420286.09	3739529.53	2.34E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.83E-04	0.00E+00	0.00E+00	2.94E-05	5.70E-05	0.00E+00	0.00E+00
558	420294.65	3739533.06	2.32E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.78E-04	0.00E+00	0.00E+00	2.91E-05	5.66E-05	0.00E+00	0.00E+00
559	420303.22	3739536.6	2.30E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.73E-04	0.00E+00	0.00E+00	2.89E-05	5.61E-05	0.00E+00	0.00E+00
560	420311.78	3739540.14	2.28E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.68E-04	0.00E+00	0.00E+00	2.86E-05	5.56E-05	0.00E+00	0.00E+00
561	420320.35	3739543.67	2.26E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.63E-04	0.00E+00	0.00E+00	2.84E-05	5.51E-05	0.00E+00	0.00E+00
562	420328.91	3739547.21	2.24E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.57E-04	0.00E+00	0.00E+00	2.81E-05	5.46E-05	0.00E+00	0.00E+00
563	420337.48	3739550.74	2.22E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	5.52E-04	0.00E+00	0.00E+00	2.79E-05	5.41E-05	0.00E+00	0.00E+00
564	420346.04	3739554.28	2.20E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.47E-04	0.00E+00	0.00E+00	2.76E-05	5.36E-05	0.00E+00	0.00E+00
565	420354.61	3739557.81	2.18E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.42E-04	0.00E+00	0.00E+00	2.74E-05	5.31E-05	0.00E+00	0.00E+00
566	420363.17	3739561.35	2.16E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00
567	420371.74	3739564.88	2.13E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.32E-04	0.00E+00	0.00E+00	2.68E-05	5.21E-05	0.00E+00	0.00E+00
568	420380.3	3739568.42	2.11E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.27E-04	0.00E+00	0.00E+00	2.66E-05	5.16E-05	0.00E+00	0.00E+00
569	420388.87	3739571.95	2.09E-04	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.22E-04	0.00E+00	0.00E+00	2.63E-05	5.11E-05	0.00E+00	0.00E+00
570	420397.43	3739575.49	2.07E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.17E-04	0.00E+00	0.00E+00	2.61E-05	5.06E-05	0.00E+00	0.00E+00
571	420406	3739579.03	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.01E-05	0.00E+00	0.00E+00
572	420414.56	3739582.56	2.03E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.06E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00
573	420423.13	3739586.1	2.01E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.01E-04	0.00E+00	0.00E+00	2.53E-05	4.90E-05	0.00E+00	0.00E+00
574	420431.69	3739589.63	1.99E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.95E-04	0.00E+00	0.00E+00	2.50E-05	4.85E-05	0.00E+00	0.00E+00
575	420440.26	3739593.17	1.97E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.90E-04	0.00E+00	0.00E+00	2.47E-05	4.80E-05	0.00E+00	0.00E+00
576	420448.82	3739596.7	1.95E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.85E-04	0.00E+00	0.00E+00	2.45E-05	4.75E-05	0.00E+00	0.00E+00
577	420457.39	3739600.24	1.93E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.80E-04	0.00E+00	0.00E+00	2.42E-05	4.70E-05	0.00E+00	0.00E+00
578	420465.95	3739603.77	1.91E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.75E-04	0.00E+00	0.00E+00	2.40E-05	4.66E-05	0.00E+00	0.00E+00
579	420474.52	3739607.31	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.38E-05	4.61E-05	0.00E+00	0.00E+00
580	420483.08	3739610.84	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
581	420491.65	3739614.38	1.85E-04	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.61E-04	0.00E+00	0.00E+00	2.33E-05	4.52E-05	0.00E+00	0.00E+00
582	420500.21	3739617.92	1.83E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.56E-04	0.00E+00	0.00E+00	2.30E-05	4.47E-05	0.00E+00	0.00E+00
583	420508.78	3739621.45	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00
584	420517.34	3739624.99	1.79E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.47E-04	0.00E+00	0.00E+00	2.26E-05	4.38E-05	0.00E+00	0.00E+00
585	420199.63	3739497.71	2.59E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.45E-04	0.00E+00	0.00E+00	3.25E-05	6.31E-05	0.00E+00	0.00E+00
586	420190.26	3739497.71	2.64E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.58E-04	0.00E+00	0.00E+00	3.32E-05	6.44E-05	0.00E+00	0.00E+00
587	420180.89	3739497.71	2.70E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.72E-04	0.00E+00	0.00E+00	3.39E-05	6.58E-05	0.00E+00	0.00E+00
588	420171.52	3739497.71	2.75E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	6.86E-04	0.00E+00	0.00E+00	3.46E-05	6.72E-05	0.00E+00	0.00E+00
589	420162.15	3739497.71	2.81E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.00E-04	0.00E+00	0.00E+00	3.53E-05	6.86E-05	0.00E+00	0.00E+00
590	420152.78	3739497.71	2.87E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.15E-04	0.00E+00	0.00E+00	3.61E-05	7.00E-05	0.00E+00	0.00E+00
591	420143.41	3739497.71	2.93E-04	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.30E-04	0.00E+00	0.00E+00	3.68E-05	7.15E-05	0.00E+00	0.00E+00
592	420134.04	3739497.71	2.99E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.45E-04	0.00E+00	0.00E+00	3.76E-05	7.30E-05	0.00E+00	0.00E+00
593	420124.67	3739497.71	3.05E-04	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	7.61E-04	0.00E+00	0.00E+00	3.84E-05	7.45E-05	0.00E+00	0.00E+00
594	420115.3	3739497.71	3.12E-04	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	7.77E-04	0.00E+00	0.00E+00	3.92E-05	7.60E-05	0.00E+00	0.00E+00
595	420105.93	3739497.71	3.18E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.92E-04	0.00E+00	0.00E+00	4.00E-05	7.76E-05	0.00E+00	0.00E+00
596	420096.56	3739497.71	3.24E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.08E-04	0.00E+00	0.00E+00	4.07E-05	7.91E-05	0.00E+00	0.00E+00
597	420087.19	3739497.71	3.30E-04	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	8.22E-04	0.00E+00	0.00E+00	4.15E-05	8.05E-05	0.00E+00	0.00E+00
598	420077.82	3739497.71	3.36E-04	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	8.36E-04	0.00E+00	0.00E+00	4.22E-05	8.19E-05	0.00E+00	0.00E+00
599	420068.45	3739497.71	3.41E-04	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.50E-04	0.00E+00	0.00E+00	4.29E-05	8.32E-05	0.00E+00	0.00E+00
600	420234.97	3739478.43	2.27E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.66E-04	0.00E+00	0.00E+00	2.86E-05	5.54E-05	0.00E+00	0.00E+00
601	420243.63	3739482	2.25E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.61E-04	0.00E+00	0.00E+00	2.83E-05	5.49E-05	0.00E+00	0.00E+00
602	420252.28	3739485.58	2.23E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.56E-04	0.00E+00	0.00E+00	2.81E-05	5.44E-05	0.00E+00	0.00E+00
603	420260.94	3739489.15	2.21E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.51E-04	0.00E+00	0.00E+00	2.78E-05	5.40E-05	0.00E+00	0.00E+00
604	420269.6	3739492.72	2.19E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.47E-04	0.00E+00	0.00E+00	2.76E-05	5.35E-05	0.00E+00	0.00E+00
605	420278.25	3739496.3	2.17E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.42E-04	0.00E+00	0.00E+00	2.73E-05	5.31E-05	0.00E+00	0.00E+00
606	420286.91	3739499.87	2.16E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00
607	420295.57	3739503.44	2.14E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.33E-04	0.00E+00	0.00E+00	2.69E-05	5.22E-05	0.00E+00	0.00E+00
608	420304.22	3739507.02	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00
609	420312.88	3739510.59	2.10E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.24E-04	0.00E+00	0.00E+00	2.65E-05	5.13E-05	0.00E+00	0.00E+00
610	420321.54	3739514.16	2.09E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.20E-04	0.00E+00	0.00E+00	2.62E-05	5.09E-05	0.00E+00	0.00E+00
611	420330.19	3739517.74	2.07E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.16E-04	0.00E+00	0.00E+00	2.60E-05	5.05E-05	0.00E+00	0.00E+00
612	420338.85	3739521.31	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.01E-05	0.00E+00	0.00E+00
613	420347.51	3739524.88	2.03E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00
614	420356.16	3739528.46	2.02E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.03E-04	0.00E+00	0.00E+00	2.54E-05	4.92E-05	0.00E+00	0.00E+00
615	420364.82	3739532.03	2.00E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.98E-04	0.00E+00	0.00E+00	2.52E-05	4.88E-05	0.00E+00	0.00E+00
616	420373.48	3739535.6	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.84E-05	0.00E+00	0.00E+00
617	420382.13	3739539.18	1.96E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.90E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00
618	420390.79	3739542.75	1.95E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.85E-04	0.00E+00	0.00E+00	2.45E-05	4.75E-05	0.00E+00	0.00E+00
619	420399.45	3739546.32	1.93E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.80E-04	0.00E+00	0.00E+00	2.42E-05	4.70E-05	0.00E+00	0.00E+00
620	420408.1	3739549.89	1.91E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.76E-04	0.00E+00	0.00E+00	2.40E-05	4.66E-05	0.00E+00	0.00E+00
621	420416.76	3739553.47	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.38E-05	4.61E-05	0.00E+00	0.00E+00
622	420425.42	3739557.04	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.57E-05	0.00E+00	0.00E+00
623	420434.08	3739560.61	1.85E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.62E-04	0.00E+00	0.00E+00	2.33E-05	4.52E-05	0.00E+00	0.00E+00
624	420442.73	3739564.19	1.84E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.57E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00
625	420451.39	3739567.76	1.82E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.53E-04	0.00E+00	0.00E+00	2.29E-05	4.43E-05	0.00E+00	0.00E+00
626	420460.05	3739571.33	1.80E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.48E-04	0.00E+00	0.00E+00	2.26E-05	4.39E-05	0.00E+00	0.00E+00
627	420468.7	3739574.91	1.78E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.44E-04	0.00E+00	0.00E+00	2.24E-05	4.35E-05	0.00E+00	0.00E+00
628	420477.36	3739578.48	1.76E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.40E-04	0.00E+00	0.00E+00	2.22E-05	4.31E-05	0.00E+00	0.00E+00
629	420486.02	3739582.05	1.75E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.35E-04	0.00E+00	0.00E+00	2.20E-05	4.26E-05	0.00E+00	0.00E+00
630	420494.67	3739585.63	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.17E-05	4.22E-05	0.00E+00	0.00E+00
631	420503.33	3739589.2	1.71E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.26E-04	0.00E+00	0.00E+00	2.15E-05	4.18E-05	0.00E+00	0.00E+00
632	420511.99	3739592.77	1.69E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.22E-04	0.00E+00	0.00E+00	2.13E-05	4.13E-05	0.00E+00	0.00E+00
633	420520.64	3739596.35	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
634	420730.91	3739961.86	2.96E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.39E-04	0.00E+00	0.00E+00	3.73E-05	7.24E-05	0.00E+00	0.00E+00
635	420734.53	3739970.49	3.03E-04	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	7.55E-04	0.00E+00	0.00E+00	3.81E-05	7.39E-05	0.00E+00	0.00E+00
636	420199.63	3739467.71	2.38E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.93E-04	0.00E+00	0.00E+00	2.99E-05	5.80E-05	0.00E+00	0.00E+00
637	420190.26	3739467.71	2.43E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.05E-04	0.00E+00	0.00E+00	3.05E-05	5.92E-05	0.00E+00	0.00E+00
638	420180.89	3739467.71	2.48E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.17E-04	0.00E+00	0.00E+00	3.11E-05	6.04E-05	0.00E+00	0.00E+00
639	420171.52	3739467.71	2.52E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.29E-04	0.00E+00	0.00E+00	3.18E-05	6.16E-05	0.00E+00	0.00E+00
640	420162.15	3739467.71	2.57E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.42E-04	0.00E+00	0.00E+00	3.24E-05	6.28E-05	0.00E+00	0.00E+00
641	420152.78	3739467.71	2.62E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	6.54E-04	0.00E+00	0.00E+00	3.30E-05	6.40E-05	0.00E+00	0.00E+00
642	420143.41	3739467.71	2.68E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.67E-04	0.00E+00	0.00E+00	3.37E-05	6.53E-05	0.00E+00	0.00E+00
643	420134.04	3739467.71	2.73E-04	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04

657	420285.99	3739469.49	2.00E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.98E-04	0.00E+00	0.00E+00	2.51E-05	4.88E-05	0.00E+00	0.00E+00
658	420294.54	3739473.02	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.84E-05	0.00E+00	0.00E+00
659	420303.1	3739476.55	1.97E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.91E-04	0.00E+00	0.00E+00	2.48E-05	4.80E-05	0.00E+00	0.00E+00
660	420311.65	3739480.08	1.95E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.87E-04	0.00E+00	0.00E+00	2.46E-05	4.77E-05	0.00E+00	0.00E+00
661	420320.21	3739483.61	1.94E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.83E-04	0.00E+00	0.00E+00	2.44E-05	4.73E-05	0.00E+00	0.00E+00
662	420328.76	3739487.14	1.92E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.80E-04	0.00E+00	0.00E+00	2.42E-05	4.70E-05	0.00E+00	0.00E+00
663	420337.32	3739490.68	1.91E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.76E-04	0.00E+00	0.00E+00	2.40E-05	4.66E-05	0.00E+00	0.00E+00
664	420345.87	3739494.21	1.89E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.72E-04	0.00E+00	0.00E+00	2.38E-05	4.62E-05	0.00E+00	0.00E+00
665	420354.42	3739497.74	1.88E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.69E-04	0.00E+00	0.00E+00	2.36E-05	4.59E-05	0.00E+00	0.00E+00
666	420362.98	3739501.27	1.87E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.65E-04	0.00E+00	0.00E+00	2.35E-05	4.55E-05	0.00E+00	0.00E+00
667	420371.53	3739504.8	1.85E-04	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.61E-04	0.00E+00	0.00E+00	2.33E-05	4.52E-05	0.00E+00	0.00E+00
668	420380.09	3739508.33	1.84E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.57E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00
669	420388.64	3739511.86	1.82E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.54E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-05	0.00E+00	0.00E+00
670	420397.2	3739515.39	1.80E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.50E-04	0.00E+00	0.00E+00	2.27E-05	4.40E-05	0.00E+00	0.00E+00
671	420405.75	3739518.92	1.79E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.46E-04	0.00E+00	0.00E+00	2.25E-05	4.37E-05	0.00E+00	0.00E+00
672	420414.31	3739522.45	1.77E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.42E-04	0.00E+00	0.00E+00	2.23E-05	4.33E-05	0.00E+00	0.00E+00
673	420422.86	3739525.99	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.29E-05	0.00E+00	0.00E+00
674	420431.41	3739529.52	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00
675	420439.97	3739533.05	1.73E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.30E-04	0.00E+00	0.00E+00	2.17E-05	4.21E-05	0.00E+00	0.00E+00
676	420448.52	3739536.58	1.71E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.26E-04	0.00E+00	0.00E+00	2.15E-05	4.17E-05	0.00E+00	0.00E+00
677	420457.08	3739540.11	1.69E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.22E-04	0.00E+00	0.00E+00	2.13E-05	4.13E-05	0.00E+00	0.00E+00
678	420465.63	3739543.64	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
679	420474.19	3739547.17	1.66E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.14E-04	0.00E+00	0.00E+00	2.09E-05	4.06E-05	0.00E+00	0.00E+00
680	420482.74	3739550.7	1.65E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.02E-05	0.00E+00	0.00E+00
681	420491.3	3739554.23	1.63E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.06E-04	0.00E+00	0.00E+00	2.05E-05	3.98E-05	0.00E+00	0.00E+00
682	420499.85	3739557.76	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
683	420508.4	3739561.3	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.90E-05	0.00E+00	0.00E+00
684	420516.96	3739564.83	1.58E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.94E-04	0.00E+00	0.00E+00	1.99E-05	3.86E-05	0.00E+00	0.00E+00
685	420525.51	3739568.36	1.57E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
686	420728.97	3739885.39	2.38E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.92E-04	0.00E+00	0.00E+00	2.99E-05	5.80E-05	0.00E+00	0.00E+00
687	420732.54	3739893.92	2.43E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.04E-04	0.00E+00	0.00E+00	3.05E-05	5.92E-05	0.00E+00	0.00E+00
688	420736.12	3739902.46	2.47E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.17E-04	0.00E+00	0.00E+00	3.11E-05	6.04E-05	0.00E+00	0.00E+00
689	420739.69	3739911	2.53E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.29E-04	0.00E+00	0.00E+00	3.18E-05	6.16E-05	0.00E+00	0.00E+00
690	420743.26	3739919.53	2.58E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	6.42E-04	0.00E+00	0.00E+00	3.24E-05	6.29E-05	0.00E+00	0.00E+00
691	420746.84	3739928.07	2.63E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.55E-04	0.00E+00	0.00E+00	3.31E-05	6.42E-05	0.00E+00	0.00E+00
692	420750.41	3739936.61	2.68E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.69E-04	0.00E+00	0.00E+00	3.37E-05	6.55E-05	0.00E+00	0.00E+00
693	420753.98	3739945.14	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00
694	420757.55	3739953.68	2.79E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	6.96E-04	0.00E+00	0.00E+00	3.51E-05	6.81E-05	0.00E+00	0.00E+00
695	420761.13	3739962.22	2.85E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	7.09E-04	0.00E+00	0.00E+00	3.58E-05	6.95E-05	0.00E+00	0.00E+00
696	420764.7	3739970.75	2.90E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.23E-04	0.00E+00	0.00E+00	3.65E-05	7.08E-05	0.00E+00	0.00E+00
697	420199.63	3739437.71	2.19E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.47E-04	0.00E+00	0.00E+00	2.76E-05	5.36E-05	0.00E+00	0.00E+00
698	420190.26	3739437.71	2.24E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.58E-04	0.00E+00	0.00E+00	2.81E-05	5.46E-05	0.00E+00	0.00E+00
699	420180.89	3739437.71	2.28E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.68E-04	0.00E+00	0.00E+00	2.87E-05	5.57E-05	0.00E+00	0.00E+00
700	420171.52	3739437.71	2.32E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.79E-04	0.00E+00	0.00E+00	2.92E-05	5.67E-05	0.00E+00	0.00E+00
701	420162.15	3739437.71	2.37E-04	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	5.91E-04	0.00E+00	0.00E+00	2.98E-05	5.78E-05	0.00E+00	0.00E+00
702	420152.78	3739437.71	2.41E-04	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.02E-04	0.00E+00	0.00E+00	3.04E-05	5.89E-05	0.00E+00	0.00E+00
703	420143.41	3739437.71	2.46E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.13E-04	0.00E+00	0.00E+00	3.09E-05	6.01E-05	0.00E+00	0.00E+00
704	420134.04	3739437.71	2.51E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.25E-04	0.00E+00	0.00E+00	3.15E-05	6.12E-05	0.00E+00	0.00E+00
705	420124.67	3739437.71	2.55E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.36E-04	0.00E+00	0.00E+00	3.21E-05	6.23E-05	0.00E+00	0.00E+00
706	420115.3	3739437.71	2.60E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.48E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00
707	420105.93	3739437.71	2.65E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.60E-04	0.00E+00	0.00E+00	3.33E-05	6.47E-05	0.00E+00	0.00E+00
708	420096.56	3739437.71	2.70E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.72E-04	0.00E+00	0.00E+00	3.39E-05	6.58E-05	0.00E+00	0.00E+00
709	420087.19	3739437.71	2.74E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.84E-04	0.00E+00	0.00E+00	3.45E-05	6.70E-05	0.00E+00	0.00E+00
710	420077.82	3739437.71	2.79E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	6.96E-04	0.00E+00	0.00E+00	3.51E-05	6.81E-05	0.00E+00	0.00E+00
711	420068.45	3739437.71	2.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.07E-04	0.00E+00	0.00E+00	3.57E-05	6.92E-05	0.00E+00	0.00E+00
712	420234.91	3739418.41	1.94E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.85E-04	0.00E+00	0.00E+00	2.45E-05	4.75E-05	0.00E+00	0.00E+00
713	420243.55	3739421.97	1.93E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.81E-04	0.00E+00	0.00E+00	2.43E-05	4.71E-05	0.00E+00	0.00E+00
714	420252.19	3739425.54	1.91E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.77E-04	0.00E+00	0.00E+00	2.41E-05	4.67E-05	0.00E+00	0.00E+00
715	420260.82	3739429.1	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00
716	420269.46	3739432.67	1.88E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.69E-04	0.00E+00	0.00E+00	2.37E-05	4.59E-05	0.00E+00	0.00E+00
717	420278.1	3739436.23	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
718	420286.73	3739439.8	1.86E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.62E-04	0.00E+00	0.00E+00	2.33E-05	4.53E-05	0.00E+00	0.00E+00
719	420295.37	3739443.36	1.84E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.59E-04	0.00E+00	0.00E+00	2.32E-05	4.50E-05	0.00E+00	0.00E+00
720	420304.01	3739446.93	1.83E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.56E-04	0.00E+00	0.00E+00	2.30E-05	4.46E-05	0.00E+00	0.00E+00
721	420312.65	3739450.49	1.82E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.53E-04	0.00E+00	0.00E+00	2.28E-05	4.43E-05	0.00E+00	0.00E+00
722	420321.28	3739454.06	1.80E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.49E-04	0.00E+00	0.00E+00	2.27E-05	4.40E-05	0.00E+00	0.00E+00
723	420329.92	3739457.62	1.79E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.46E-04	0.00E+00	0.00E+00	2.25E-05	4.37E-05	0.00E+00	0.00E+00
724	420338.56	3739461.19	1.78E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.43E-04	0.00E+00	0.00E+00	2.23E-05	4.34E-05	0.00E+00	0.00E+00
725	420347.19	3739464.75	1.76E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.40E-04	0.00E+00	0.00E+00	2.22E-05	4.31E-05	0.00E+00	0.00E+00
726	420355.83	3739468.32	1.75E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.37E-04	0.00E+00	0.00E+00	2.20E-05	4.27E-05	0.00E+00	0.00E+00
727	420364.47	3739471.88	1.74E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.33E-04	0.00E+00	0.00E+00	2.19E-05	4.24E-05	0.00E+00	0.00E+00
728	420373.1	3739475.45	1.73E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.30E-04	0.00E+00	0.00E+00	2.17E-05	4.21E-05	0.00E+00	0.00E+00
729	420381.74	3739479.01	1.71E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.27E-04	0.00E+00	0.00E+00	2.15E-05	4.18E-05	0.00E+00	0.00E+00
730	420390.38	3739482.58	1.70E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.23E-04	0.00E+00	0.00E+00	2.14E-05	4.15E-05	0.00E+00	0.00E+00
731	420399.02	3739486.14	1.69E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.20E-04	0.00E+00	0.00E+00	2.12E-05	4.11E-05	0.00E+00	0.00E+00
732	420407.65	3739489.71	1.67E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.17E-04	0.00E+00	0.00E+00	2.10E-05	4.08E-05	0.00E+00	0.00E+00
733	420416.29	3739493.27	1.66E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.13E-04	0.00E+00	0.00E+00	2.09E-05	4.05E-05	0.00E+00	0.00E+00
734	420424.93	3739496.84	1.64E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.01E-05	0.00E+00	0.00E+00
735	420433.56	3739500.4	1.63E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.06E-04	0.00E+00	0.00E+00	2.05E-05	3.98E-05	0.00E+00	0.00E+00
736	420442.2	3739503.97	1.62E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.03E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
737	420450.84	3739507.53	1.60E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.99E-04	0.00E+00	0.00E+00	2.01E-05	3.91E-05	0.00E+00	0.00E+00
738	420459.48	3739511.1	1.59E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.96E-04	0.00E+00	0.00E+00	2.00E-05	3.87E-05	0.00E+00	0.00E+00
739	420468.11	3739514.66	1.57E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.92E-04	0.00E+00	0.00E+00	1.98E-05	3.84E-05	0.00E+00	0.00E+00
740	420476.75	3739518.23	1.56E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.89E-04	0.00E+00	0.00E+00	1.96E-05	3.81E-05	0.00E+00	0.00E+00
741	420485.39	3739521.79	1.54E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.85E-04	0.00E+00	0.00E+00	1.94E-05	3.77E-05	0.00E+00	0.00E+00
742	420494.02	3739525.36	1.53E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.81E-04	0.00E+00	0.00E+00	1.92E-05	3.73E-05	0.00E+00	0.00E+00
743	420502.66	3739528.93	1.52E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.78E-04	0.00E+00	0.00E+00	1.91E-05	3.70E-05	0.00E+00	0.00E+00
744	420511.3	3739532.49	1.50E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.74E-04	0.00E+00	0.00E+00	1.89E-05	3.66E-05	0.00E+00	0.00E+00
745	420519.94	3739536.06	1.49E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.70E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00
746	420528.57	3739539.62	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00
747	420537.21	3739543.19	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.56E-05	0.00E+00	0.00E+00
748	420545.85	3739546.75	1.44E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.60E-04	0.00E+00	0.00E+00	1.82E-05	3.52E-05	0.00E+00	0.00E+00
749	420554.48	3739550.32	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00
750	420563.12	3739553.88	1.42E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.46E-05	0.00E+00	0.00E+00
751	420571.76	3739557.45	1.40E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.50E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00
752	420580.4	3739561.01	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.39E-05	0.00E+00	0.00E+00
753	420589.03	3739564.58	1.38E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04

767	420769.31	3739909.94	2.36E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.88E-04	0.00E+00	0.00E+00	2.97E-05	5.76E-05	0.00E+00	0.00E+00
768	420772.92	3739918.56	2.41E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.00E-04	0.00E+00	0.00E+00	3.03E-05	5.88E-05	0.00E+00	0.00E+00
769	420776.52	3739927.18	2.46E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.12E-04	0.00E+00	0.00E+00	3.09E-05	5.99E-05	0.00E+00	0.00E+00
770	420780.13	3739935.8	2.51E-04	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.24E-04	0.00E+00	0.00E+00	3.15E-05	6.11E-05	0.00E+00	0.00E+00
771	420783.74	3739944.42	2.55E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.37E-04	0.00E+00	0.00E+00	3.21E-05	6.23E-05	0.00E+00	0.00E+00
772	420787.35	3739953.04	2.60E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.49E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00
773	420790.95	3739961.66	2.65E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.61E-04	0.00E+00	0.00E+00	3.34E-05	6.47E-05	0.00E+00	0.00E+00
774	420794.56	3739970.28	2.70E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.73E-04	0.00E+00	0.00E+00	3.40E-05	6.59E-05	0.00E+00	0.00E+00
775	420199.63	3739407.71	2.03E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.96E-05	0.00E+00	0.00E+00
776	420190.26	3739407.71	2.07E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.16E-04	0.00E+00	0.00E+00	2.61E-05	5.06E-05	0.00E+00	0.00E+00
777	420180.89	3739407.71	2.11E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.26E-04	0.00E+00	0.00E+00	2.65E-05	5.15E-05	0.00E+00	0.00E+00
778	420171.52	3739407.71	2.15E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.36E-04	0.00E+00	0.00E+00	2.70E-05	5.25E-05	0.00E+00	0.00E+00
779	420162.15	3739407.71	2.19E-04	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.46E-04	0.00E+00	0.00E+00	2.75E-05	5.35E-05	0.00E+00	0.00E+00
780	420152.78	3739407.71	2.23E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.56E-04	0.00E+00	0.00E+00	2.81E-05	5.44E-05	0.00E+00	0.00E+00
781	420143.41	3739407.71	2.27E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.66E-04	0.00E+00	0.00E+00	2.86E-05	5.54E-05	0.00E+00	0.00E+00
782	420134.04	3739407.71	2.31E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.76E-04	0.00E+00	0.00E+00	2.91E-05	5.64E-05	0.00E+00	0.00E+00
783	420124.67	3739407.71	2.35E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.74E-05	0.00E+00	0.00E+00
784	420115.3	3739407.71	2.40E-04	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.97E-04	0.00E+00	0.00E+00	3.01E-05	5.85E-05	0.00E+00	0.00E+00
785	420105.93	3739407.71	2.44E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.07E-04	0.00E+00	0.00E+00	3.06E-05	5.95E-05	0.00E+00	0.00E+00
786	420096.56	3739407.71	2.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.18E-04	0.00E+00	0.00E+00	3.12E-05	6.05E-05	0.00E+00	0.00E+00
787	420087.19	3739407.71	2.52E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.28E-04	0.00E+00	0.00E+00	3.17E-05	6.15E-05	0.00E+00	0.00E+00
788	420077.82	3739407.71	2.56E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.38E-04	0.00E+00	0.00E+00	3.22E-05	6.25E-05	0.00E+00	0.00E+00
789	420068.45	3739407.71	2.60E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.48E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00
790	420243.07	3739381.77	1.75E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.37E-04	0.00E+00	0.00E+00	2.21E-05	4.28E-05	0.00E+00	0.00E+00
791	420251.59	3739385.29	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00
792	420260.11	3739388.8	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.17E-05	4.22E-05	0.00E+00	0.00E+00
793	420268.62	3739392.32	1.72E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.28E-04	0.00E+00	0.00E+00	2.16E-05	4.19E-05	0.00E+00	0.00E+00
794	420277.14	3739395.84	1.70E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.25E-04	0.00E+00	0.00E+00	2.14E-05	4.16E-05	0.00E+00	0.00E+00
795	420285.66	3739399.35	1.69E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.22E-04	0.00E+00	0.00E+00	2.13E-05	4.13E-05	0.00E+00	0.00E+00
796	420294.18	3739402.87	1.68E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.19E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
797	420302.69	3739406.38	1.67E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.16E-04	0.00E+00	0.00E+00	2.10E-05	4.08E-05	0.00E+00	0.00E+00
798	420311.21	3739409.9	1.66E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.13E-04	0.00E+00	0.00E+00	2.09E-05	4.05E-05	0.00E+00	0.00E+00
799	420319.73	3739413.42	1.65E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.11E-04	0.00E+00	0.00E+00	2.07E-05	4.02E-05	0.00E+00	0.00E+00
800	420328.25	3739416.93	1.64E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.08E-04	0.00E+00	0.00E+00	2.06E-05	3.99E-05	0.00E+00	0.00E+00
801	420336.76	3739420.45	1.63E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.97E-05	0.00E+00	0.00E+00
802	420345.28	3739423.96	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
803	420353.8	3739427.48	1.60E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	4.00E-04	0.00E+00	0.00E+00	2.02E-05	3.91E-05	0.00E+00	0.00E+00
804	420362.32	3739430.99	1.59E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.97E-04	0.00E+00	0.00E+00	2.00E-05	3.89E-05	0.00E+00	0.00E+00
805	420370.83	3739434.51	1.58E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.95E-04	0.00E+00	0.00E+00	1.99E-05	3.86E-05	0.00E+00	0.00E+00
806	420379.35	3739438.03	1.57E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.92E-04	0.00E+00	0.00E+00	1.98E-05	3.84E-05	0.00E+00	0.00E+00
807	420387.87	3739441.54	1.56E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.89E-04	0.00E+00	0.00E+00	1.96E-05	3.81E-05	0.00E+00	0.00E+00
808	420396.39	3739445.06	1.55E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.87E-04	0.00E+00	0.00E+00	1.95E-05	3.78E-05	0.00E+00	0.00E+00
809	420404.9	3739448.57	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
810	420413.42	3739452.09	1.53E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.81E-04	0.00E+00	0.00E+00	1.92E-05	3.73E-05	0.00E+00	0.00E+00
811	420421.94	3739455.61	1.52E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.78E-04	0.00E+00	0.00E+00	1.91E-05	3.70E-05	0.00E+00	0.00E+00
812	420430.46	3739459.12	1.51E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.75E-04	0.00E+00	0.00E+00	1.89E-05	3.67E-05	0.00E+00	0.00E+00
813	420438.98	3739462.64	1.49E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.72E-04	0.00E+00	0.00E+00	1.88E-05	3.65E-05	0.00E+00	0.00E+00
814	420447.49	3739466.15	1.48E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.69E-04	0.00E+00	0.00E+00	1.86E-05	3.62E-05	0.00E+00	0.00E+00
815	420456.01	3739469.67	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00
816	420464.53	3739473.18	1.46E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.64E-04	0.00E+00	0.00E+00	1.83E-05	3.56E-05	0.00E+00	0.00E+00
817	420473.05	3739476.7	1.45E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.61E-04	0.00E+00	0.00E+00	1.82E-05	3.53E-05	0.00E+00	0.00E+00
818	420481.56	3739480.22	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.50E-05	0.00E+00	0.00E+00
819	420490.08	3739483.73	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00
820	420498.6	3739487.25	1.41E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.51E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00
821	420507.12	3739490.76	1.40E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.48E-04	0.00E+00	0.00E+00	1.76E-05	3.41E-05	0.00E+00	0.00E+00
822	420515.63	3739494.28	1.38E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.45E-04	0.00E+00	0.00E+00	1.74E-05	3.38E-05	0.00E+00	0.00E+00
823	420524.15	3739497.8	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.73E-05	3.35E-05	0.00E+00	0.00E+00
824	420532.67	3739501.31	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00
825	420541.19	3739504.83	1.35E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.36E-04	0.00E+00	0.00E+00	1.70E-05	3.29E-05	0.00E+00	0.00E+00
826	420549.7	3739508.34	1.34E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.33E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00
827	420558.22	3739511.86	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00
828	420566.74	3739515.37	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00
829	420575.26	3739518.89	1.30E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.24E-04	0.00E+00	0.00E+00	1.64E-05	3.17E-05	0.00E+00	0.00E+00
830	420583.77	3739522.41	1.29E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.21E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
831	420592.29	3739525.92	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
832	420600.81	3739529.44	1.27E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00
833	420609.33	3739532.95	1.25E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00
834	420724.47	3739707.05	1.47E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.66E-04	0.00E+00	0.00E+00	1.85E-05	3.58E-05	0.00E+00	0.00E+00
835	420728.03	3739715.55	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00
836	420731.59	3739724.05	1.51E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.76E-04	0.00E+00	0.00E+00	1.90E-05	3.69E-05	0.00E+00	0.00E+00
837	420735.14	3739732.55	1.53E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.82E-04	0.00E+00	0.00E+00	1.93E-05	3.74E-05	0.00E+00	0.00E+00
838	420738.7	3739741.05	1.56E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.88E-04	0.00E+00	0.00E+00	1.96E-05	3.80E-05	0.00E+00	0.00E+00
839	420742.26	3739749.55	1.58E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.94E-04	0.00E+00	0.00E+00	1.99E-05	3.85E-05	0.00E+00	0.00E+00
840	420745.82	3739758.05	1.60E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	4.00E-04	0.00E+00	0.00E+00	2.02E-05	3.91E-05	0.00E+00	0.00E+00
841	420756.49	3739783.55	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
842	420760.05	3739792.05	1.66E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.14E-04	0.00E+00	0.00E+00	2.09E-05	4.05E-05	0.00E+00	0.00E+00
843	420763.61	3739800.55	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
844	420767.16	3739809.05	1.71E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.25E-04	0.00E+00	0.00E+00	2.14E-05	4.16E-05	0.00E+00	0.00E+00
845	420770.72	3739817.55	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.18E-05	4.22E-05	0.00E+00	0.00E+00
846	420774.28	3739826.05	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.29E-05	0.00E+00	0.00E+00
847	420777.84	3739834.55	1.78E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.44E-04	0.00E+00	0.00E+00	2.24E-05	4.35E-05	0.00E+00	0.00E+00
848	420781.4	3739843.05	1.81E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.51E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00
849	420784.95	3739851.55	1.84E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.59E-04	0.00E+00	0.00E+00	2.32E-05	4.49E-05	0.00E+00	0.00E+00
850	420788.51	3739860.05	1.87E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.67E-04	0.00E+00	0.00E+00	2.36E-05	4.58E-05	0.00E+00	0.00E+00
851	420792.07	3739868.56	1.91E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.77E-04	0.00E+00	0.00E+00	2.41E-05	4.67E-05	0.00E+00	0.00E+00
852	420795.63	3739877.06	1.95E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.86E-04	0.00E+00	0.00E+00	2.45E-05	4.76E-05	0.00E+00	0.00E+00
853	420799.18	3739885.56	1.99E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.96E-04	0.00E+00	0.00E+00	2.50E-05	4.86E-05	0.00E+00	0.00E+00
854	420802.74	3739894.06	2.03E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.96E-05	0.00E+00	0.00E+00
855	420806.3	3739902.56	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.62E-05	5.08E-05	0.00E+00	0.00E+00
856	420809.86	3739911.06	2.18E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.43E-04	0.00E+00	0.00E+00	2.74E-05	5.32E-05	0.00E+00	0.00E+00
857	420813.41	3739919.56	2.22E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	5.53E-04	0.00E+00	0.00E+00	2.79E-05	5.42E-05	0.00E+00	0.00E+00
858	420816.97	3739928.06	2.26E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.63E-04	0.00E+00	0.00E+00	2.84E-05	5.52E-05	0.00E+00	0.00E+00
859	420820.53	3739936.56	2.30E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.74E-04	0.00E+00	0.00E+00	2.89E-05	5.62E-05	0.00E+00	0.00E+00
860	420824.09	3739945.06	2.34E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.84E-04	0.00E+00	0.00E+00	2.95E-05	5.72E-05	0.00E+00	0.00E+00
861	420827.65	3739953.56	2.38E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.94E-04	0.00E+00	0.00E+00	3.00E-05	5.82E-05	0.00E+00	0.00E+00
862	420234.7	3739338.32	1.62E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.03E-04	0.00E+00	0.00E+00	2.04E-05	3.95E-05	0.00E+00	0.00E+00
863	420243.26	3739341.85	1.61E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04

877	420397.43	3739405.49	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.80E-05	3.48E-05	0.00E+00	0.00E+00
878	420406	3739409.03	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.78E-05	3.46E-05	0.00E+00	0.00E+00
879	420414.56	3739412.56	1.41E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.51E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00
880	420423.13	3739416.1	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00
881	420431.69	3739419.63	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.39E-05	0.00E+00	0.00E+00
882	420440.26	3739423.17	1.38E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.44E-04	0.00E+00	0.00E+00	1.74E-05	3.37E-05	0.00E+00	0.00E+00
883	420448.82	3739426.7	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00
884	420457.39	3739430.24	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00
885	420465.95	3739433.77	1.35E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.36E-04	0.00E+00	0.00E+00	1.70E-05	3.29E-05	0.00E+00	0.00E+00
886	420474.52	3739437.31	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.68E-05	3.27E-05	0.00E+00	0.00E+00
887	420483.08	3739440.84	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00
888	420491.65	3739444.38	1.32E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.28E-04	0.00E+00	0.00E+00	1.66E-05	3.22E-05	0.00E+00	0.00E+00
889	420500.21	3739447.92	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.64E-05	3.19E-05	0.00E+00	0.00E+00
890	420508.78	3739451.45	1.30E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
891	420517.34	3739454.99	1.29E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.20E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
892	420525.91	3739458.52	1.27E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.18E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00
893	420534.47	3739462.06	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
894	420543.04	3739465.59	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00
895	420551.61	3739469.13	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
896	420560.17	3739472.66	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00
897	420568.74	3739476.2	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00
898	420577.3	3739479.73	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
899	420585.87	3739483.27	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
900	420594.43	3739486.8	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.50E-05	2.90E-05	0.00E+00	0.00E+00
901	420603	3739490.34	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.48E-05	2.88E-05	0.00E+00	0.00E+00
902	420720.85	3739602.62	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.50E-05	2.90E-05	0.00E+00	0.00E+00
903	420724.42	3739611.17	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
904	420728	3739619.72	1.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00
905	420731.58	3739628.27	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	3.00E-05	0.00E+00	0.00E+00
906	420735.16	3739636.81	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
907	420738.73	3739645.36	1.26E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
908	420742.31	3739653.91	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
909	420745.89	3739662.46	1.29E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.21E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
910	420749.47	3739671	1.30E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.25E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00
911	420753.04	3739679.55	1.32E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.29E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00
912	420756.62	3739688.1	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.68E-05	3.27E-05	0.00E+00	0.00E+00
913	420760.2	3739696.65	1.36E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.38E-04	0.00E+00	0.00E+00	1.71E-05	3.31E-05	0.00E+00	0.00E+00
914	420763.78	3739705.19	1.38E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.43E-04	0.00E+00	0.00E+00	1.73E-05	3.36E-05	0.00E+00	0.00E+00
915	420767.35	3739713.74	1.39E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.48E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
916	420770.93	3739722.29	1.41E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.52E-04	0.00E+00	0.00E+00	1.78E-05	3.45E-05	0.00E+00	0.00E+00
917	420774.51	3739730.84	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.50E-05	0.00E+00	0.00E+00
918	420778.09	3739739.38	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.83E-05	3.55E-05	0.00E+00	0.00E+00
919	420781.66	3739747.93	1.47E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.68E-04	0.00E+00	0.00E+00	1.85E-05	3.60E-05	0.00E+00	0.00E+00
920	420785.24	3739756.48	1.50E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.65E-05	0.00E+00	0.00E+00
921	420795.97	3739782.12	1.56E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
922	420799.55	3739790.67	1.54E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.85E-04	0.00E+00	0.00E+00	1.94E-05	3.77E-05	0.00E+00	0.00E+00
923	420803.13	3739799.22	1.56E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.88E-04	0.00E+00	0.00E+00	1.96E-05	3.80E-05	0.00E+00	0.00E+00
924	420806.71	3739807.77	1.58E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.93E-04	0.00E+00	0.00E+00	1.98E-05	3.85E-05	0.00E+00	0.00E+00
925	420810.28	3739816.31	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.90E-05	0.00E+00	0.00E+00
926	420813.86	3739824.86	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.95E-05	0.00E+00	0.00E+00
927	420817.44	3739833.41	1.64E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.01E-05	0.00E+00	0.00E+00
928	420821.02	3739841.96	1.67E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.17E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
929	420824.6	3739850.5	1.70E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.25E-04	0.00E+00	0.00E+00	2.14E-05	4.16E-05	0.00E+00	0.00E+00
930	420199.63	3739327.71	1.68E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.20E-04	0.00E+00	0.00E+00	2.12E-05	4.11E-05	0.00E+00	0.00E+00
931	420190.26	3739327.71	1.71E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.27E-04	0.00E+00	0.00E+00	2.15E-05	4.18E-05	0.00E+00	0.00E+00
932	420180.89	3739327.71	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00
933	420171.52	3739327.71	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.23E-05	4.32E-05	0.00E+00	0.00E+00
934	420162.15	3739327.71	1.80E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.49E-04	0.00E+00	0.00E+00	2.26E-05	4.40E-05	0.00E+00	0.00E+00
935	420152.78	3739327.71	1.83E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.57E-04	0.00E+00	0.00E+00	2.30E-05	4.47E-05	0.00E+00	0.00E+00
936	420143.41	3739327.71	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.55E-05	0.00E+00	0.00E+00
937	420134.04	3739327.71	1.89E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.72E-04	0.00E+00	0.00E+00	2.38E-05	4.62E-05	0.00E+00	0.00E+00
938	420124.67	3739327.71	1.93E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.80E-04	0.00E+00	0.00E+00	2.42E-05	4.70E-05	0.00E+00	0.00E+00
939	420115.3	3739327.71	1.96E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.88E-04	0.00E+00	0.00E+00	2.46E-05	4.78E-05	0.00E+00	0.00E+00
940	420105.93	3739327.71	1.99E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.96E-04	0.00E+00	0.00E+00	2.50E-05	4.85E-05	0.00E+00	0.00E+00
941	420096.56	3739327.71	2.02E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.03E-04	0.00E+00	0.00E+00	2.54E-05	4.93E-05	0.00E+00	0.00E+00
942	420087.19	3739327.71	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.00E-05	0.00E+00	0.00E+00
943	420077.82	3739327.71	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.62E-05	5.08E-05	0.00E+00	0.00E+00
944	420068.45	3739327.71	2.11E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.26E-04	0.00E+00	0.00E+00	2.65E-05	5.15E-05	0.00E+00	0.00E+00
945	420234.82	3739298.37	1.49E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.70E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00
946	420243.43	3739301.92	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.60E-05	0.00E+00	0.00E+00
947	420252.04	3739305.48	1.47E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.58E-05	0.00E+00	0.00E+00
948	420260.65	3739309.03	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.55E-05	0.00E+00	0.00E+00
949	420269.25	3739312.58	1.45E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.60E-04	0.00E+00	0.00E+00	1.82E-05	3.53E-05	0.00E+00	0.00E+00
950	420277.86	3739316.13	1.44E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.58E-04	0.00E+00	0.00E+00	1.81E-05	3.51E-05	0.00E+00	0.00E+00
951	420286.47	3739319.69	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.79E-05	3.48E-05	0.00E+00	0.00E+00
952	420295.08	3739323.24	1.42E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.46E-05	0.00E+00	0.00E+00
953	420303.69	3739326.79	1.41E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.51E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00
954	420312.29	3739330.35	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00
955	420320.9	3739333.9	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
956	420329.51	3739337.45	1.38E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.45E-04	0.00E+00	0.00E+00	1.74E-05	3.38E-05	0.00E+00	0.00E+00
957	420338.12	3739341.01	1.38E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.43E-04	0.00E+00	0.00E+00	1.73E-05	3.36E-05	0.00E+00	0.00E+00
958	420346.73	3739344.56	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00
959	420355.33	3739348.11	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00
960	420363.94	3739351.67	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
961	420372.55	3739355.22	1.34E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00
962	420381.16	3739358.77	1.33E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.33E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00
963	420389.76	3739362.32	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00
964	420432.8	3739380.09	1.29E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.21E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
965	420441.41	3739383.64	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
966	420450.02	3739387.2	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
967	420458.63	3739390.75	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
968	420467.23	3739394.3	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00
969	420475.84	3739397.86	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.04E-05	0.00E+00	0.00E+00
970	420484.45	3739401.41	1.23E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.08E-04	0.00E+00	0.00E+00	1.55E-05	3.01E-05	0.00E+00	0.00E+00
971	420493.06	3739404.96	1.23E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00
972	420501.67	3739408.51	1.22E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.97E-05	0.00E+00	0.00E+00
973	420510.27	3739412.07	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.

987	420727.65	3739523.11	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
988	420731.24	3739531.7	1.03E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.58E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
989	420734.84	3739540.29	1.04E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.60E-04	0.00E+00	0.00E+00	1.31E-05	2.55E-05	0.00E+00	0.00E+00
990	420738.43	3739548.88	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.57E-05	0.00E+00	0.00E+00
991	420742.03	3739557.47	1.06E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.65E-04	0.00E+00	0.00E+00	1.34E-05	2.59E-05	0.00E+00	0.00E+00
992	420745.62	3739566.06	1.07E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.67E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00
993	420749.22	3739574.65	1.08E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.70E-04	0.00E+00	0.00E+00	1.36E-05	2.64E-05	0.00E+00	0.00E+00
994	420752.82	3739583.24	1.09E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.73E-04	0.00E+00	0.00E+00	1.38E-05	2.67E-05	0.00E+00	0.00E+00
995	420756.41	3739591.83	1.11E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.70E-05	0.00E+00	0.00E+00
996	420760.01	3739600.42	1.12E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
997	420763.6	3739609.01	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
998	420767.2	3739617.6	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
999	420770.79	3739626.19	1.15E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.87E-04	0.00E+00	0.00E+00	1.45E-05	2.82E-05	0.00E+00	0.00E+00
1000	420774.39	3739634.78	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
1001	420777.98	3739643.37	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.48E-05	2.88E-05	0.00E+00	0.00E+00
1002	420781.58	3739651.96	1.19E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
1003	420785.17	3739660.56	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
1004	420788.77	3739669.15	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00
1005	420792.37	3739677.74	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
1006	420795.96	3739686.33	1.26E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
1007	420799.56	3739694.92	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00
1008	420803.15	3739703.51	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.62E-05	3.15E-05	0.00E+00	0.00E+00
1009	420806.75	3739712.1	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.64E-05	3.19E-05	0.00E+00	0.00E+00
1010	420810.34	3739720.69	1.33E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.30E-04	0.00E+00	0.00E+00	1.67E-05	3.23E-05	0.00E+00	0.00E+00
1011	420813.94	3739729.28	1.34E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00
1012	420817.53	3739737.87	1.36E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.40E-04	0.00E+00	0.00E+00	1.71E-05	3.33E-05	0.00E+00	0.00E+00
1013	420821.13	3739746.46	1.38E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.44E-04	0.00E+00	0.00E+00	1.74E-05	3.37E-05	0.00E+00	0.00E+00
1014	420824.72	3739755.05	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00
1015	420828.32	3739763.64	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00
1016	420831.91	3739772.23	1.44E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.59E-04	0.00E+00	0.00E+00	1.81E-05	3.52E-05	0.00E+00	0.00E+00
1017	420835.51	3739780.82	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00
1018	420839.11	3739789.41	1.44E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.59E-04	0.00E+00	0.00E+00	1.81E-05	3.52E-05	0.00E+00	0.00E+00
1019	420842.7	3739798	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.55E-05	0.00E+00	0.00E+00
1020	420846.3	3739806.59	1.47E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.68E-04	0.00E+00	0.00E+00	1.85E-05	3.60E-05	0.00E+00	0.00E+00
1021	420849.89	3739815.18	1.50E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.65E-05	0.00E+00	0.00E+00
1022	420199.63	3739287.71	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
1023	420190.26	3739287.71	1.57E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.91E-04	0.00E+00	0.00E+00	1.97E-05	3.83E-05	0.00E+00	0.00E+00
1024	420180.89	3739287.71	1.59E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.97E-04	0.00E+00	0.00E+00	2.00E-05	3.89E-05	0.00E+00	0.00E+00
1025	420171.52	3739287.71	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.95E-05	0.00E+00	0.00E+00
1026	420162.15	3739287.71	1.65E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.02E-05	0.00E+00	0.00E+00
1027	420152.78	3739287.71	1.67E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.17E-04	0.00E+00	0.00E+00	2.10E-05	4.08E-05	0.00E+00	0.00E+00
1028	420143.41	3739287.71	1.70E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.24E-04	0.00E+00	0.00E+00	2.14E-05	4.15E-05	0.00E+00	0.00E+00
1029	420134.04	3739287.71	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.17E-05	4.22E-05	0.00E+00	0.00E+00
1030	420124.67	3739287.71	1.75E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.37E-04	0.00E+00	0.00E+00	2.21E-05	4.28E-05	0.00E+00	0.00E+00
1031	420115.3	3739287.71	1.78E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.44E-04	0.00E+00	0.00E+00	2.24E-05	4.35E-05	0.00E+00	0.00E+00
1032	420105.93	3739287.71	1.81E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.51E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00
1033	420096.56	3739287.71	1.84E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.58E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00
1034	420087.19	3739287.71	1.86E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.65E-04	0.00E+00	0.00E+00	2.34E-05	4.55E-05	0.00E+00	0.00E+00
1035	420077.82	3739287.71	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.38E-05	4.61E-05	0.00E+00	0.00E+00
1036	420068.45	3739287.71	1.92E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.78E-04	0.00E+00	0.00E+00	2.41E-05	4.68E-05	0.00E+00	0.00E+00
1037	420226.29	3739254.85	1.38E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.44E-04	0.00E+00	0.00E+00	1.73E-05	3.37E-05	0.00E+00	0.00E+00
1038	420234.94	3739258.42	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00
1039	420243.59	3739261.99	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00
1040	420252.23	3739265.55	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1041	420260.88	3739269.12	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.69E-05	3.27E-05	0.00E+00	0.00E+00
1042	420269.52	3739272.69	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.68E-05	3.25E-05	0.00E+00	0.00E+00
1043	420278.17	3739276.26	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.67E-05	3.23E-05	0.00E+00	0.00E+00
1044	420286.82	3739279.83	1.32E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.28E-04	0.00E+00	0.00E+00	1.66E-05	3.21E-05	0.00E+00	0.00E+00
1045	420295.46	3739283.4	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00
1046	420304.11	3739286.97	1.30E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.24E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00
1047	420312.76	3739290.54	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
1048	420321.4	3739294.11	1.28E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.20E-04	0.00E+00	0.00E+00	1.62E-05	3.13E-05	0.00E+00	0.00E+00
1049	420330.05	3739297.68	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00
1050	420338.7	3739301.24	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
1051	420347.34	3739304.81	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
1052	420355.99	3739308.38	1.26E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00
1053	420364.63	3739311.95	1.25E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.11E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00
1054	420373.28	3739315.52	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
1055	420381.93	3739319.09	1.24E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.08E-04	0.00E+00	0.00E+00	1.56E-05	3.02E-05	0.00E+00	0.00E+00
1056	420390.57	3739322.66	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00
1057	420399.22	3739326.23	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00
1058	420407.87	3739329.8	1.22E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.97E-05	0.00E+00	0.00E+00
1059	420416.51	3739333.37	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
1060	420425.16	3739336.93	1.20E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	3.00E-04	0.00E+00	0.00E+00	1.51E-05	2.94E-05	0.00E+00	0.00E+00
1061	420433.81	3739340.5	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.92E-05	0.00E+00	0.00E+00
1062	420442.45	3739344.07	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.50E-05	2.90E-05	0.00E+00	0.00E+00
1063	420451.1	3739347.64	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.88E-05	0.00E+00	0.00E+00
1064	420459.75	3739351.21	1.17E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
1065	420468.39	3739354.78	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
1066	420477.04	3739358.35	1.16E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.89E-04	0.00E+00	0.00E+00	1.46E-05	2.83E-05	0.00E+00	0.00E+00
1067	420528.92	3739379.76	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00
1068	420537.56	3739383.33	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
1069	420546.21	3739386.9	1.09E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.73E-04	0.00E+00	0.00E+00	1.38E-05	2.67E-05	0.00E+00	0.00E+00
1070	420554.86	3739390.47	1.09E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.71E-04	0.00E+00	0.00E+00	1.37E-05	2.65E-05	0.00E+00	0.00E+00
1071	420563.5	3739394.04	1.08E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.68E-04	0.00E+00	0.00E+00	1.35E-05	2.63E-05	0.00E+00	0.00E+00
1072	420572.15	3739397.61	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.61E-05	0.00E+00	0.00E+00
1073	420580.79	3739401.18	1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.64E-04	0.00E+00	0.00E+00	1.33E-05	2.59E-05	0.00E+00	0.00E+00
1074	420589.44	3739404.75	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.57E-05	0.00E+00	0.00E+00
1075	420598.09	3739408.31	1.04E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.60E-04	0.00E+00	0.00E+00	1.31E-05	2.55E-05	0.00E+00	0.00E+00
1076	420606.73	3739411.88	1.03E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.58E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
1077	420719.14	3739458.28	9.37E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.29E-05	0.00E+00	0.00E+00
1078	420727.78	3739461.85	9.30E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00
1079	420736.43	3739465.42	9.23E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00
1080	420748.69	3739477.62	9.24E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00
1081	420752.3	3739486.24	9.31E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00
1082	420755.91	3739494.87	9.39E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.29E-05	0.00E+00	0.00E+00
1083	420759.52	3

1097	420810.08	3739624.3	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.61E-05	0.00E+00	0.00E+00
1098	420813.7	3739632.93	1.08E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.69E-04	0.00E+00	0.00E+00	1.36E-05	2.63E-05	0.00E+00	0.00E+00
1099	420817.31	3739641.56	1.09E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.71E-04	0.00E+00	0.00E+00	1.37E-05	2.66E-05	0.00E+00	0.00E+00
1100	420820.92	3739650.19	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00
1101	420824.53	3739658.82	1.11E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
1102	420828.14	3739667.45	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
1103	420831.75	3739676.08	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
1104	420835.36	3739684.7	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.88E-05	0.00E+00	0.00E+00
1105	420838.98	3739693.33	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.51E-05	2.92E-05	0.00E+00	0.00E+00
1106	420842.59	3739701.96	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00
1107	420846.2	3739710.59	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00
1108	420849.81	3739719.22	1.25E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.10E-04	0.00E+00	0.00E+00	1.57E-05	3.04E-05	0.00E+00	0.00E+00
1109	420853.42	3739727.85	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
1110	420857.03	3739736.48	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
1111	420860.64	3739745.11	1.30E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.17E-05	0.00E+00	0.00E+00
1112	420864.26	3739753.73	1.32E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.28E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00
1113	420867.87	3739762.36	1.33E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.33E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00
1114	420871.48	3739770.99	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1115	420875.09	3739779.62	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.68E-05	3.27E-05	0.00E+00	0.00E+00
1116	420878.7	3739788.25	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1117	420882.31	3739796.88	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00
1118	420885.93	3739805.51	1.39E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.45E-04	0.00E+00	0.00E+00	1.74E-05	3.38E-05	0.00E+00	0.00E+00
1119	420889.54	3739814.14	1.41E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.50E-04	0.00E+00	0.00E+00	1.77E-05	3.43E-05	0.00E+00	0.00E+00
1120	420932.88	3739917.68	1.70E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.25E-04	0.00E+00	0.00E+00	2.14E-05	4.16E-05	0.00E+00	0.00E+00
1121	420936.49	3739926.31	1.73E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.30E-04	0.00E+00	0.00E+00	2.17E-05	4.21E-05	0.00E+00	0.00E+00
1122	420940.1	3739934.94	1.75E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.36E-04	0.00E+00	0.00E+00	2.20E-05	4.26E-05	0.00E+00	0.00E+00
1123	420943.71	3739943.57	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.23E-05	4.32E-05	0.00E+00	0.00E+00
1124	420947.32	3739952.19	1.79E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.47E-04	0.00E+00	0.00E+00	2.25E-05	4.38E-05	0.00E+00	0.00E+00
1125	420950.93	3739960.82	1.82E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.53E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-05	0.00E+00	0.00E+00
1126	420954.54	3739969.45	1.84E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.59E-04	0.00E+00	0.00E+00	2.32E-05	4.50E-05	0.00E+00	0.00E+00
1127	420958.16	3739978.08	1.87E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.65E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
1128	420961.77	3739986.71	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00
1129	420965.38	3739995.34	1.93E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.81E-04	0.00E+00	0.00E+00	2.43E-05	4.71E-05	0.00E+00	0.00E+00
1130	420199.63	3739247.71	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00
1131	420190.26	3739247.71	1.44E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.60E-04	0.00E+00	0.00E+00	1.81E-05	3.52E-05	0.00E+00	0.00E+00
1132	420180.89	3739247.71	1.47E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.58E-05	0.00E+00	0.00E+00
1133	420171.52	3739247.71	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00
1134	420162.15	3739247.71	1.51E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.77E-04	0.00E+00	0.00E+00	1.90E-05	3.69E-05	0.00E+00	0.00E+00
1135	420152.78	3739247.71	1.53E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.83E-04	0.00E+00	0.00E+00	1.93E-05	3.75E-05	0.00E+00	0.00E+00
1136	420143.41	3739247.71	1.56E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.89E-04	0.00E+00	0.00E+00	1.96E-05	3.80E-05	0.00E+00	0.00E+00
1137	420134.04	3739247.71	1.58E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.95E-04	0.00E+00	0.00E+00	1.99E-05	3.86E-05	0.00E+00	0.00E+00
1138	420124.67	3739247.71	1.61E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.01E-04	0.00E+00	0.00E+00	2.02E-05	3.92E-05	0.00E+00	0.00E+00
1139	420115.3	3739247.71	1.63E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.07E-04	0.00E+00	0.00E+00	2.05E-05	3.98E-05	0.00E+00	0.00E+00
1140	420105.93	3739247.71	1.66E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.13E-04	0.00E+00	0.00E+00	2.08E-05	4.04E-05	0.00E+00	0.00E+00
1141	420096.56	3739247.71	1.68E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.19E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
1142	420087.19	3739247.71	1.70E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.25E-04	0.00E+00	0.00E+00	2.14E-05	4.16E-05	0.00E+00	0.00E+00
1143	420077.82	3739247.71	1.73E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.30E-04	0.00E+00	0.00E+00	2.17E-05	4.21E-05	0.00E+00	0.00E+00
1144	420068.45	3739247.71	1.75E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.36E-04	0.00E+00	0.00E+00	2.20E-05	4.27E-05	0.00E+00	0.00E+00
1145	420226.1	3739214.77	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
1146	420234.65	3739218.3	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00
1147	420243.2	3739221.83	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
1148	420251.75	3739225.36	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00
1149	420260.3	3739228.88	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
1150	420268.85	3739232.41	1.24E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.08E-04	0.00E+00	0.00E+00	1.55E-05	3.01E-05	0.00E+00	0.00E+00
1151	420277.4	3739235.94	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	3.00E-05	0.00E+00	0.00E+00
1152	420285.95	3739239.47	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.53E-05	2.98E-05	0.00E+00	0.00E+00
1153	420294.5	3739243	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00
1154	420303.05	3739246.53	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.94E-05	0.00E+00	0.00E+00
1155	420311.6	3739250.06	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
1156	420320.15	3739253.59	1.19E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
1157	420328.7	3739257.12	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.49E-05	2.90E-05	0.00E+00	0.00E+00
1158	420337.25	3739260.65	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.49E-05	2.88E-05	0.00E+00	0.00E+00
1159	420345.8	3739264.18	1.18E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
1160	420354.35	3739267.71	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
1161	420362.9	3739271.23	1.16E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.90E-04	0.00E+00	0.00E+00	1.46E-05	2.84E-05	0.00E+00	0.00E+00
1162	420371.45	3739274.76	1.16E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.88E-04	0.00E+00	0.00E+00	1.46E-05	2.82E-05	0.00E+00	0.00E+00
1163	420380	3739278.29	1.15E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.87E-04	0.00E+00	0.00E+00	1.45E-05	2.81E-05	0.00E+00	0.00E+00
1164	420388.55	3739281.82	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00
1165	420397.1	3739285.35	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
1166	420405.65	3739288.88	1.13E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
1167	420414.2	3739292.41	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
1168	420422.75	3739295.94	1.12E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.80E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00
1169	420431.3	3739299.47	1.12E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
1170	420439.85	3739303	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00
1171	420448.4	3739306.53	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
1172	420456.95	3739310.06	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00
1173	420465.5	3739313.58	1.09E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.72E-04	0.00E+00	0.00E+00	1.37E-05	2.66E-05	0.00E+00	0.00E+00
1174	420474.05	3739317.11	1.09E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.71E-04	0.00E+00	0.00E+00	1.36E-05	2.65E-05	0.00E+00	0.00E+00
1175	420482.6	3739320.64	1.08E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.69E-04	0.00E+00	0.00E+00	1.36E-05	2.63E-05	0.00E+00	0.00E+00
1176	420491.15	3739324.17	1.07E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.67E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00
1177	420499.7	3739327.7	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.60E-05	0.00E+00	0.00E+00
1178	420508.25	3739331.23	1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.64E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1179	420516.79	3739334.76	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.57E-05	0.00E+00	0.00E+00
1180	420525.34	3739338.29	1.04E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.60E-04	0.00E+00	0.00E+00	1.31E-05	2.55E-05	0.00E+00	0.00E+00
1181	420533.89	3739341.82	1.04E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.59E-04	0.00E+00	0.00E+00	1.30E-05	2.53E-05	0.00E+00	0.00E+00
1182	420542.44	3739345.35	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.51E-05	0.00E+00	0.00E+00
1183	420550.99	3739348.88	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
1184	420559.54	3739352.4	1.02E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.53E-04	0.00E+00	0.00E+00	1.28E-05	2.48E-05	0.00E+00	0.00E+00
1185	420568.09	3739355.93	1.01E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.51E-04	0.00E+00	0.00E+00	1.27E-05	2.46E-05	0.00E+00	0.00E+00
1186	420576.64	3739359.46	1.00E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.49E-04	0.00E+00	0.00E+00	1.26E-05	2.44E-05	0.00E+00	0.00E+00
1187	420721.99	3739419.46	8.82E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.15E-05	0.00E+00	0.00E+00
1188	420730.54	3739422.99	8.76E-05	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	2.18E-04	0.00E+00	0.00E+00	1.10E-05	2.14E-05	0.00E+00	0.00E+00
1189	420739.09	3739426.52	8.70E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	2.17E-04	0.00E+00	0.00E+00	1.09E-05	2.12E-05	0.00E+00	0.00E+00
1190	420747.64	3739430.05	8.64E-05	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	2.15E-04	0.00E+00	0.00E+00	1.09E-05	2.11E-05	0.00E+00	0.00E+00
1191	420756.19	3739433.57	8.58E-05	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	2.14E-04	0.00E+00	0.00E+00	1.08E-05	2.09E-05	0.00E+00	0.00E+00
1192	420764.74	3739437.1	8.52E-05	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	2.12E-04	0.00E+00	0.00E+00	1.07E-05	2.08E-05	0.00E+00	0.00E+00
1193

1207	420826.86	3739568.62	9.47E-05	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	2.36E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00
1208	420830.43	3739577.15	9.57E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	2.38E-04	0.00E+00	0.00E+00	1.20E-05	2.33E-05	0.00E+00	0.00E+00
1209	420834	3739585.68	9.66E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	2.41E-04	0.00E+00	0.00E+00	1.22E-05	2.36E-05	0.00E+00	0.00E+00
1210	420837.57	3739594.22	9.76E-05	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	2.43E-04	0.00E+00	0.00E+00	1.23E-05	2.38E-05	0.00E+00	0.00E+00
1211	420841.14	3739602.75	9.85E-05	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	2.46E-04	0.00E+00	0.00E+00	1.24E-05	2.40E-05	0.00E+00	0.00E+00
1212	420844.71	3739611.28	9.95E-05	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	2.48E-04	0.00E+00	0.00E+00	1.25E-05	2.43E-05	0.00E+00	0.00E+00
1213	420848.29	3739619.81	1.00E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.50E-04	0.00E+00	0.00E+00	1.26E-05	2.45E-05	0.00E+00	0.00E+00
1214	420851.86	3739628.35	1.01E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.53E-04	0.00E+00	0.00E+00	1.28E-05	2.48E-05	0.00E+00	0.00E+00
1215	420855.43	3739636.88	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
1216	420859	3739645.41	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
1217	420862.57	3739653.94	1.04E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.60E-04	0.00E+00	0.00E+00	1.31E-05	2.55E-05	0.00E+00	0.00E+00
1218	420866.14	3739662.47	1.06E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.63E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1219	420869.71	3739671.01	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.60E-05	0.00E+00	0.00E+00
1220	420873.28	3739679.54	1.08E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.69E-04	0.00E+00	0.00E+00	1.36E-05	2.63E-05	0.00E+00	0.00E+00
1221	420876.86	3739688.07	1.09E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.72E-04	0.00E+00	0.00E+00	1.37E-05	2.66E-05	0.00E+00	0.00E+00
1222	420880.43	3739696.6	1.11E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.76E-04	0.00E+00	0.00E+00	1.39E-05	2.70E-05	0.00E+00	0.00E+00
1223	420884	3739705.14	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.73E-05	0.00E+00	0.00E+00
1224	420887.57	3739713.67	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
1225	420891.14	3739722.2	1.14E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.85E-04	0.00E+00	0.00E+00	1.44E-05	2.79E-05	0.00E+00	0.00E+00
1226	420894.71	3739730.73	1.16E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.88E-04	0.00E+00	0.00E+00	1.45E-05	2.82E-05	0.00E+00	0.00E+00
1227	420898.28	3739739.27	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
1228	420901.85	3739747.8	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.48E-05	2.88E-05	0.00E+00	0.00E+00
1229	420905.43	3739756.33	1.19E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
1230	420909	3739764.86	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
1231	420912.57	3739773.4	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00
1232	420916.14	3739781.93	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.02E-05	0.00E+00	0.00E+00
1233	420919.71	3739790.46	1.26E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
1234	420923.28	3739798.99	1.27E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.18E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00
1235	420926.85	3739807.53	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.63E-05	3.15E-05	0.00E+00	0.00E+00
1236	420930.42	3739816.06	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00
1237	420933.99	3739824.59	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.68E-05	3.25E-05	0.00E+00	0.00E+00
1238	420937.57	3739833.12	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1239	420941.14	3739841.65	1.37E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.43E-04	0.00E+00	0.00E+00	1.73E-05	3.36E-05	0.00E+00	0.00E+00
1240	420944.71	3739850.19	1.40E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.48E-04	0.00E+00	0.00E+00	1.76E-05	3.41E-05	0.00E+00	0.00E+00
1241	420948.28	3739858.72	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.79E-05	3.46E-05	0.00E+00	0.00E+00
1242	420951.85	3739867.25	1.44E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.60E-04	0.00E+00	0.00E+00	1.81E-05	3.52E-05	0.00E+00	0.00E+00
1243	420955.42	3739875.78	1.47E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.58E-05	0.00E+00	0.00E+00
1244	420958.99	3739884.32	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.64E-05	0.00E+00	0.00E+00
1245	420962.56	3739892.85	1.51E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.77E-04	0.00E+00	0.00E+00	1.90E-05	3.69E-05	0.00E+00	0.00E+00
1246	420966.14	3739901.38	1.53E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.82E-04	0.00E+00	0.00E+00	1.93E-05	3.74E-05	0.00E+00	0.00E+00
1247	420969.71	3739909.91	1.55E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.87E-04	0.00E+00	0.00E+00	1.96E-05	3.79E-05	0.00E+00	0.00E+00
1248	420973.28	3739918.45	1.58E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.93E-04	0.00E+00	0.00E+00	1.98E-05	3.85E-05	0.00E+00	0.00E+00
1249	420976.85	3739926.98	1.59E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.89E-05	0.00E+00	0.00E+00
1250	420980.42	3739935.51	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
1251	420983.99	3739944.04	1.63E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.07E-04	0.00E+00	0.00E+00	2.05E-05	3.98E-05	0.00E+00	0.00E+00
1252	420987.56	3739952.58	1.65E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.12E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00
1253	420991.13	3739961.11	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
1254	420994.71	3739969.64	1.71E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.25E-04	0.00E+00	0.00E+00	2.15E-05	4.17E-05	0.00E+00	0.00E+00
1255	420998.28	3739978.17	1.73E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.32E-04	0.00E+00	0.00E+00	2.18E-05	4.23E-05	0.00E+00	0.00E+00
1256	421001.85	3739986.71	1.76E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.39E-04	0.00E+00	0.00E+00	2.22E-05	4.30E-05	0.00E+00	0.00E+00
1257	421005.42	3739995.24	1.79E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.46E-04	0.00E+00	0.00E+00	2.25E-05	4.36E-05	0.00E+00	0.00E+00
1258	420199.63	3739207.71	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00
1259	420190.26	3739207.71	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.68E-05	3.25E-05	0.00E+00	0.00E+00
1260	420180.89	3739207.71	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1261	420171.52	3739207.71	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.73E-05	3.35E-05	0.00E+00	0.00E+00
1262	420162.15	3739207.71	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
1263	420152.78	3739207.71	1.41E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.45E-05	0.00E+00	0.00E+00
1264	420143.41	3739207.71	1.44E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.58E-04	0.00E+00	0.00E+00	1.81E-05	3.50E-05	0.00E+00	0.00E+00
1265	420134.04	3739207.71	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.56E-05	0.00E+00	0.00E+00
1266	420124.67	3739207.71	1.48E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.69E-04	0.00E+00	0.00E+00	1.86E-05	3.61E-05	0.00E+00	0.00E+00
1267	420115.3	3739207.71	1.50E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.74E-04	0.00E+00	0.00E+00	1.89E-05	3.66E-05	0.00E+00	0.00E+00
1268	420105.93	3739207.71	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00
1269	420096.56	3739207.71	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
1270	420087.19	3739207.71	1.56E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.81E-05	0.00E+00	0.00E+00
1271	420077.82	3739207.71	1.58E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.95E-04	0.00E+00	0.00E+00	1.99E-05	3.87E-05	0.00E+00	0.00E+00
1272	420068.45	3739207.71	1.61E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.00E-04	0.00E+00	0.00E+00	2.02E-05	3.92E-05	0.00E+00	0.00E+00
1273	420226.17	3739174.8	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.89E-05	0.00E+00	0.00E+00
1274	420234.76	3739178.34	1.18E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
1275	420243.35	3739181.89	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
1276	420251.94	3739185.43	1.16E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.90E-04	0.00E+00	0.00E+00	1.46E-05	2.84E-05	0.00E+00	0.00E+00
1277	420260.52	3739188.98	1.15E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.88E-04	0.00E+00	0.00E+00	1.45E-05	2.82E-05	0.00E+00	0.00E+00
1278	420269.11	3739192.52	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00
1279	420277.7	3739196.07	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
1280	420286.28	3739199.61	1.13E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
1281	420294.87	3739203.15	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
1282	420303.46	3739206.7	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00
1283	420312.04	3739210.24	1.11E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
1284	420320.63	3739213.79	1.11E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.76E-04	0.00E+00	0.00E+00	1.39E-05	2.71E-05	0.00E+00	0.00E+00
1285	420329.22	3739217.33	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
1286	420337.81	3739220.88	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00
1287	420346.39	3739224.42	1.09E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.72E-04	0.00E+00	0.00E+00	1.37E-05	2.67E-05	0.00E+00	0.00E+00
1288	420354.98	3739227.97	1.09E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.71E-04	0.00E+00	0.00E+00	1.37E-05	2.66E-05	0.00E+00	0.00E+00
1289	420363.57	3739231.51	1.08E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.70E-04	0.00E+00	0.00E+00	1.36E-05	2.64E-05	0.00E+00	0.00E+00
1290	420372.15	3739235.06	1.08E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.69E-04	0.00E+00	0.00E+00	1.36E-05	2.63E-05	0.00E+00	0.00E+00
1291	420380.74	3739238.6	1.07E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.67E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00
1292	420389.33	3739242.14	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.61E-05	0.00E+00	0.00E+00
1293	420397.91	3739245.69	1.06E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.65E-04	0.00E+00	0.00E+00	1.34E-05	2.59E-05	0.00E+00	0.00E+00
1294	420406.5	3739249.23	1.06E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.63E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1295	420415.09	3739252.78	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.56E-05	0.00E+00	0.00E+00
1296	420423.68	3739256.32	1.05E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.61E-04	0.00E+00	0.00E+00	1.32E-05	2.55E-05	0.00E+00	0.00E+00
1297	420432.26	3739259.87	1.04E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.59E-04	0.00E+00	0.00E+00	1.31E-05	2.54E-05	0.00E+00	0.00E+00
1298	420440.85	3739263.41	1.04E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.58E-04	0.00E+00	0.00E+00	1.30E-05	2.53E-05	0.00E+00	0.00E+00
1299	420449.44	3739266.96	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
1300	420458.02	3739270.5	1.03E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.56E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
1301	420466.61	3739274.04	1.02E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.54E-04	0.00E+00	0.00E+00	1.28E-05	2.49E-05	0.00E+00	0.00E+00
1302	420475.2	3739277.59	1.02E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.53E-04	0.00E+00	0.00E+00	1.28E-05	2.48E-05	0.00E+00	0.00E+00
1303	420

1317	420604	3739330.76	9.22E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00
1318	420638.35	3739344.93	8.95E-05	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	2.23E-04	0.00E+00	0.00E+00	1.13E-05	2.18E-05	0.00E+00	0.00E+00
1319	420646.94	3739348.48	8.89E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	2.21E-04	0.00E+00	0.00E+00	1.12E-05	2.17E-05	0.00E+00	0.00E+00
1320	420655.53	3739352.02	8.82E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.15E-05	0.00E+00	0.00E+00
1321	420664.11	3739355.57	8.75E-05	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	2.18E-04	0.00E+00	0.00E+00	1.10E-05	2.14E-05	0.00E+00	0.00E+00
1322	420724.22	3739380.38	8.33E-05	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	2.08E-04	0.00E+00	0.00E+00	1.05E-05	2.03E-05	0.00E+00	0.00E+00
1323	420732.81	3739383.92	8.27E-05	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	2.06E-04	0.00E+00	0.00E+00	1.04E-05	2.02E-05	0.00E+00	0.00E+00
1324	420741.4	3739387.47	8.21E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	2.05E-04	0.00E+00	0.00E+00	1.03E-05	2.00E-05	0.00E+00	0.00E+00
1325	420749.98	3739391.01	8.16E-05	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	2.03E-04	0.00E+00	0.00E+00	1.03E-05	1.99E-05	0.00E+00	0.00E+00
1326	420758.57	3739394.56	8.10E-05	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	2.02E-04	0.00E+00	0.00E+00	1.02E-05	1.98E-05	0.00E+00	0.00E+00
1327	420767.16	3739398.1	8.05E-05	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	2.01E-04	0.00E+00	0.00E+00	1.01E-05	1.96E-05	0.00E+00	0.00E+00
1328	420775.74	3739401.65	7.99E-05	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	1.99E-04	0.00E+00	0.00E+00	1.01E-05	1.95E-05	0.00E+00	0.00E+00
1329	420784.33	3739405.19	7.94E-05	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.98E-04	0.00E+00	0.00E+00	9.99E-06	1.94E-05	0.00E+00	0.00E+00
1330	420792.92	3739408.73	7.89E-05	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	1.97E-04	0.00E+00	0.00E+00	9.93E-06	1.93E-05	0.00E+00	0.00E+00
1331	420805.09	3739420.85	7.75E-05	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.93E-04	0.00E+00	0.00E+00	9.75E-06	1.89E-05	0.00E+00	0.00E+00
1332	420808.68	3739429.42	7.78E-05	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.94E-04	0.00E+00	0.00E+00	9.79E-06	1.90E-05	0.00E+00	0.00E+00
1333	420812.27	3739437.99	7.81E-05	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.95E-04	0.00E+00	0.00E+00	9.83E-06	1.91E-05	0.00E+00	0.00E+00
1334	420815.85	3739446.56	7.86E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.96E-04	0.00E+00	0.00E+00	9.88E-06	1.92E-05	0.00E+00	0.00E+00
1335	420819.44	3739455.13	7.91E-05	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	1.97E-04	0.00E+00	0.00E+00	9.95E-06	1.93E-05	0.00E+00	0.00E+00
1336	420823.03	3739463.7	7.96E-05	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	1.98E-04	0.00E+00	0.00E+00	1.00E-05	1.94E-05	0.00E+00	0.00E+00
1337	420826.61	3739472.27	8.03E-05	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	2.00E-04	0.00E+00	0.00E+00	1.01E-05	1.96E-05	0.00E+00	0.00E+00
1338	420830.2	3739480.84	8.10E-05	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	2.02E-04	0.00E+00	0.00E+00	1.02E-05	1.98E-05	0.00E+00	0.00E+00
1339	420833.79	3739489.4	8.17E-05	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	2.04E-04	0.00E+00	0.00E+00	1.03E-05	1.99E-05	0.00E+00	0.00E+00
1340	420837.37	3739497.97	8.24E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	2.05E-04	0.00E+00	0.00E+00	1.04E-05	2.01E-05	0.00E+00	0.00E+00
1341	420840.96	3739506.54	8.30E-05	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	2.07E-04	0.00E+00	0.00E+00	1.04E-05	2.03E-05	0.00E+00	0.00E+00
1342	420844.55	3739515.11	8.37E-05	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	2.09E-04	0.00E+00	0.00E+00	1.05E-05	2.04E-05	0.00E+00	0.00E+00
1343	420848.13	3739523.68	8.43E-05	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-05	2.10E-04	0.00E+00	0.00E+00	1.06E-05	2.06E-05	0.00E+00	0.00E+00
1344	420851.72	3739532.25	8.50E-05	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	2.12E-04	0.00E+00	0.00E+00	1.07E-05	2.07E-05	0.00E+00	0.00E+00
1345	420855.31	3739540.82	8.61E-05	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	2.15E-04	0.00E+00	0.00E+00	1.08E-05	2.10E-05	0.00E+00	0.00E+00
1346	420858.89	3739549.39	8.72E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	2.17E-04	0.00E+00	0.00E+00	1.10E-05	2.13E-05	0.00E+00	0.00E+00
1347	420862.48	3739557.96	8.84E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.16E-05	0.00E+00	0.00E+00
1348	420866.07	3739566.53	8.94E-05	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	2.23E-04	0.00E+00	0.00E+00	1.12E-05	2.18E-05	0.00E+00	0.00E+00
1349	420869.65	3739575.1	9.04E-05	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	2.25E-04	0.00E+00	0.00E+00	1.14E-05	2.21E-05	0.00E+00	0.00E+00
1350	420873.24	3739583.67	9.14E-05	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-05	2.28E-04	0.00E+00	0.00E+00	1.15E-05	2.23E-05	0.00E+00	0.00E+00
1351	420876.83	3739592.24	9.23E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00
1352	420880.41	3739600.81	9.31E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00
1353	420884	3739609.38	9.39E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.29E-05	0.00E+00	0.00E+00
1354	420887.59	3739617.95	9.48E-05	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	2.36E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00
1355	420891.17	3739626.52	9.55E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	2.38E-04	0.00E+00	0.00E+00	1.20E-05	2.33E-05	0.00E+00	0.00E+00
1356	420894.76	3739635.09	9.60E-05	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	2.39E-04	0.00E+00	0.00E+00	1.21E-05	2.34E-05	0.00E+00	0.00E+00
1357	420898.35	3739643.66	9.66E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	2.41E-04	0.00E+00	0.00E+00	1.22E-05	2.36E-05	0.00E+00	0.00E+00
1358	420901.93	3739652.22	9.74E-05	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	2.43E-04	0.00E+00	0.00E+00	1.22E-05	2.38E-05	0.00E+00	0.00E+00
1359	420905.52	3739660.79	9.85E-05	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	2.46E-04	0.00E+00	0.00E+00	1.24E-05	2.40E-05	0.00E+00	0.00E+00
1360	420909.11	3739669.36	9.97E-05	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	2.48E-04	0.00E+00	0.00E+00	1.25E-05	2.43E-05	0.00E+00	0.00E+00
1361	420912.69	3739677.93	1.01E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.51E-04	0.00E+00	0.00E+00	1.27E-05	2.46E-05	0.00E+00	0.00E+00
1362	420916.28	3739686.5	1.02E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.54E-04	0.00E+00	0.00E+00	1.28E-05	2.49E-05	0.00E+00	0.00E+00
1363	420919.87	3739695.07	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
1364	420923.45	3739703.64	1.04E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.60E-04	0.00E+00	0.00E+00	1.31E-05	2.55E-05	0.00E+00	0.00E+00
1365	420927.04	3739712.21	1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.64E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1366	420930.63	3739720.78	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.61E-05	0.00E+00	0.00E+00
1367	420934.21	3739729.35	1.08E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.69E-04	0.00E+00	0.00E+00	1.36E-05	2.64E-05	0.00E+00	0.00E+00
1368	420937.8	3739737.92	1.09E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.72E-04	0.00E+00	0.00E+00	1.37E-05	2.67E-05	0.00E+00	0.00E+00
1369	420941.39	3739746.49	1.11E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.70E-05	0.00E+00	0.00E+00
1370	420944.97	3739755.06	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.73E-05	0.00E+00	0.00E+00
1371	420948.56	3739763.63	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.77E-05	0.00E+00	0.00E+00
1372	420952.15	3739772.2	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.45E-05	2.80E-05	0.00E+00	0.00E+00
1373	420955.73	3739780.77	1.17E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.90E-04	0.00E+00	0.00E+00	1.47E-05	2.84E-05	0.00E+00	0.00E+00
1374	420959.32	3739789.34	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.49E-05	2.88E-05	0.00E+00	0.00E+00
1375	420962.91	3739797.91	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.92E-05	0.00E+00	0.00E+00
1376	420966.49	3739806.47	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
1377	420970.08	3739815.04	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00
1378	420973.67	3739823.61	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
1379	420977.26	3739832.18	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
1380	420980.84	3739840.75	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
1381	420984.43	3739849.32	1.30E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
1382	420988.02	3739857.89	1.31E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.28E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00
1383	420991.6	3739866.46	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.68E-05	3.25E-05	0.00E+00	0.00E+00
1384	420995.19	3739875.03	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1385	420998.78	3739883.6	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.73E-05	3.35E-05	0.00E+00	0.00E+00
1386	421002.36	3739892.17	1.39E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.48E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
1387	421005.95	3739900.74	1.41E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.45E-05	0.00E+00	0.00E+00
1388	421009.54	3739909.31	1.44E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.58E-04	0.00E+00	0.00E+00	1.81E-05	3.50E-05	0.00E+00	0.00E+00
1389	421013.12	3739917.88	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.56E-05	0.00E+00	0.00E+00
1390	421016.71	3739926.45	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.61E-05	0.00E+00	0.00E+00
1391	421020.3	3739935.02	1.50E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.66E-05	0.00E+00	0.00E+00
1392	421023.88	3739943.59	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00
1393	421027.47	3739952.16	1.55E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.86E-04	0.00E+00	0.00E+00	1.95E-05	3.78E-05	0.00E+00	0.00E+00
1394	421031.06	3739960.73	1.57E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.92E-04	0.00E+00	0.00E+00	1.98E-05	3.84E-05	0.00E+00	0.00E+00
1395	421034.64	3739969.29	1.60E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.99E-04	0.00E+00	0.00E+00	2.01E-05	3.91E-05	0.00E+00	0.00E+00
1396	421038.23	3739977.86	1.63E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.06E-04	0.00E+00	0.00E+00	2.05E-05	3.97E-05	0.00E+00	0.00E+00
1397	421041.82	3739986.43	1.65E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.12E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00
1398	421045.4	3739995	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
1399	420226.24	3739134.83	1.08E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.68E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00
1400	420234.86	3739138.39	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.60E-05	0.00E+00	0.00E+00
1401	420243.48	3739141.94	1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.64E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1402	420252.11	3739145.5	1.05E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.63E-04	0.00E+00	0.00E+00	1.33E-05	2.57E-05	0.00E+00	0.00E+00
1403	420260.73	3739149.06	1.05E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.61E-04	0.00E+00	0.00E+00	1.32E-05	2.56E-05	0.00E+00	0.00E+00
1404	420269.35	3739152.62	1.07E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.67E-04	0.00E+00	0.00E+00	1.35E-05	2.61E-05	0.00E+00	0.00E+00
1405	420277.97	3739156.18	1.06E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.65E-04	0.00E+00	0.00E+00	1.34E-05	2.60E-05	0.00E+00	0.00E+00
1406	420286.59	3739159.74	1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.64E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1407	420295.21	3739163.3	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.57E-05	0.00E+00	0.00E+00
1408	420303.83	3739166.85	1.05E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.61E-04	0.00E+00	0.00E+00	1.32E-05	2.55E-05	0.00E+00	0.00E+00
1409	420312.45	3739170.41	1.01E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.53E-04	0.00E+00	0.00E+00	1.28E-05	2.48E-05	0.00E+00	0.00E+00
1410	420321.07	3739173.97	1.01E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.51E-04	0.00E+00	0.00E+00	1.27E-05	2.46E-05	0.00E+00	0.00E+00
1411	420329.7	3739177.53	1.00E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.50E-04	0.00E+00	0.00E+00	1.26E-05	2.45E-05	0.00E+00	0.00E+00
1412	420338.32	3739181.09	1.00E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.49E-04	0.00E+00	0.00E+00	1.26E-05	2.44E-05	0.00E+00	0.00E+00
1413

1427	420467.63	3739234.47	9.56E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	2.38E-04	0.00E+00	0.00E+00	1.20E-05	2.33E-05	0.00E+00	0.00E+00
1428	420476.25	3739238.03	9.52E-05	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	2.37E-04	0.00E+00	0.00E+00	1.20E-05	2.32E-05	0.00E+00	0.00E+00
1429	420484.88	3739241.58	9.48E-05	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	2.36E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00
1430	420493.5	3739245.14	9.43E-05	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-05	2.35E-04	0.00E+00	0.00E+00	1.19E-05	2.30E-05	0.00E+00	0.00E+00
1431	420502.12	3739248.7	9.38E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.29E-05	0.00E+00	0.00E+00
1432	420510.74	3739252.26	9.33E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	2.33E-04	0.00E+00	0.00E+00	1.17E-05	2.28E-05	0.00E+00	0.00E+00
1433	420519.36	3739255.82	9.28E-05	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	2.31E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00
1434	420527.98	3739259.38	9.23E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00
1435	420536.6	3739262.93	9.17E-05	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-05	2.29E-04	0.00E+00	0.00E+00	1.15E-05	2.24E-05	0.00E+00	0.00E+00
1436	420545.22	3739266.49	9.12E-05	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	2.27E-04	0.00E+00	0.00E+00	1.15E-05	2.23E-05	0.00E+00	0.00E+00
1437	420553.84	3739270.05	9.06E-05	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	2.26E-04	0.00E+00	0.00E+00	1.14E-05	2.21E-05	0.00E+00	0.00E+00
1438	420562.47	3739273.61	9.01E-05	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	2.25E-04	0.00E+00	0.00E+00	1.13E-05	2.20E-05	0.00E+00	0.00E+00
1439	420571.09	3739277.17	8.95E-05	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	2.23E-04	0.00E+00	0.00E+00	1.13E-05	2.18E-05	0.00E+00	0.00E+00
1440	420579.71	3739280.73	8.89E-05	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	2.22E-04	0.00E+00	0.00E+00	1.12E-05	2.17E-05	0.00E+00	0.00E+00
1441	420588.33	3739284.29	8.84E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.16E-05	0.00E+00	0.00E+00
1442	420596.95	3739287.84	8.78E-05	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	2.19E-04	0.00E+00	0.00E+00	1.10E-05	2.14E-05	0.00E+00	0.00E+00
1443	420605.57	3739291.4	8.72E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	2.17E-04	0.00E+00	0.00E+00	1.10E-05	2.13E-05	0.00E+00	0.00E+00
1444	420631.43	3739302.08	8.53E-05	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	2.13E-04	0.00E+00	0.00E+00	1.07E-05	2.08E-05	0.00E+00	0.00E+00
1445	420640.06	3739305.64	8.46E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	2.11E-04	0.00E+00	0.00E+00	1.06E-05	2.07E-05	0.00E+00	0.00E+00
1446	420648.68	3739309.2	8.40E-05	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	2.09E-04	0.00E+00	0.00E+00	1.06E-05	2.05E-05	0.00E+00	0.00E+00
1447	420657.3	3739312.75	8.24E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	2.05E-04	0.00E+00	0.00E+00	1.04E-05	2.01E-05	0.00E+00	0.00E+00
1448	420665.92	3739316.31	8.16E-05	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	2.03E-04	0.00E+00	0.00E+00	1.03E-05	1.99E-05	0.00E+00	0.00E+00
1449	420674.54	3739319.87	8.08E-05	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	2.02E-04	0.00E+00	0.00E+00	1.02E-05	1.97E-05	0.00E+00	0.00E+00
1450	420683.16	3739323.43	8.03E-05	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	2.00E-04	0.00E+00	0.00E+00	1.01E-05	1.96E-05	0.00E+00	0.00E+00
1451	420691.78	3739326.99	7.97E-05	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.99E-04	0.00E+00	0.00E+00	1.00E-05	1.94E-05	0.00E+00	0.00E+00
1452	420700.4	3739330.55	7.91E-05	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	1.97E-04	0.00E+00	0.00E+00	9.95E-06	1.93E-05	0.00E+00	0.00E+00
1453	420709.02	3739334.11	7.85E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.96E-04	0.00E+00	0.00E+00	9.88E-06	1.92E-05	0.00E+00	0.00E+00
1454	420717.65	3739337.66	7.80E-05	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	1.94E-04	0.00E+00	0.00E+00	9.81E-06	1.90E-05	0.00E+00	0.00E+00
1455	420726.27	3739341.22	7.74E-05	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.93E-04	0.00E+00	0.00E+00	9.73E-06	1.89E-05	0.00E+00	0.00E+00
1456	420734.89	3739344.78	7.68E-05	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.91E-04	0.00E+00	0.00E+00	9.66E-06	1.87E-05	0.00E+00	0.00E+00
1457	420743.51	3739348.34	7.62E-05	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	1.90E-04	0.00E+00	0.00E+00	9.58E-06	1.86E-05	0.00E+00	0.00E+00
1458	420752.13	3739351.9	7.57E-05	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-05	1.89E-04	0.00E+00	0.00E+00	9.52E-06	1.85E-05	0.00E+00	0.00E+00
1459	420760.75	3739355.46	7.53E-05	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	1.88E-04	0.00E+00	0.00E+00	9.47E-06	1.84E-05	0.00E+00	0.00E+00
1460	420769.37	3739359.02	7.49E-05	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.87E-04	0.00E+00	0.00E+00	9.41E-06	1.83E-05	0.00E+00	0.00E+00
1461	420821.1	3739380.37	7.19E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	1.79E-04	0.00E+00	0.00E+00	9.05E-06	1.76E-05	0.00E+00	0.00E+00
1462	420833.32	3739392.53	7.17E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	1.79E-04	0.00E+00	0.00E+00	9.02E-06	1.75E-05	0.00E+00	0.00E+00
1463	420836.92	3739401.13	7.22E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	1.80E-04	0.00E+00	0.00E+00	9.08E-06	1.76E-05	0.00E+00	0.00E+00
1464	420840.52	3739409.74	7.26E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	1.81E-04	0.00E+00	0.00E+00	9.13E-06	1.77E-05	0.00E+00	0.00E+00
1465	420844.12	3739418.34	7.30E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	1.82E-04	0.00E+00	0.00E+00	9.18E-06	1.78E-05	0.00E+00	0.00E+00
1466	420847.72	3739426.94	7.34E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	1.83E-04	0.00E+00	0.00E+00	9.23E-06	1.79E-05	0.00E+00	0.00E+00
1467	420851.33	3739435.55	7.38E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	1.84E-04	0.00E+00	0.00E+00	9.28E-06	1.80E-05	0.00E+00	0.00E+00
1468	420854.93	3739444.15	7.43E-05	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	1.85E-04	0.00E+00	0.00E+00	9.35E-06	1.81E-05	0.00E+00	0.00E+00
1469	420858.53	3739452.75	7.49E-05	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.87E-04	0.00E+00	0.00E+00	9.42E-06	1.83E-05	0.00E+00	0.00E+00
1470	420862.13	3739461.36	7.54E-05	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	1.88E-04	0.00E+00	0.00E+00	9.49E-06	1.84E-05	0.00E+00	0.00E+00
1471	420865.73	3739469.96	7.60E-05	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	1.89E-04	0.00E+00	0.00E+00	9.56E-06	1.86E-05	0.00E+00	0.00E+00
1472	420869.33	3739478.56	7.65E-05	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.91E-04	0.00E+00	0.00E+00	9.62E-06	1.87E-05	0.00E+00	0.00E+00
1473	420872.93	3739487.17	7.69E-05	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.92E-04	0.00E+00	0.00E+00	9.68E-06	1.88E-05	0.00E+00	0.00E+00
1474	420876.53	3739495.77	7.73E-05	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	1.93E-04	0.00E+00	0.00E+00	9.72E-06	1.89E-05	0.00E+00	0.00E+00
1475	420880.13	3739504.37	7.76E-05	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.94E-04	0.00E+00	0.00E+00	9.76E-06	1.89E-05	0.00E+00	0.00E+00
1476	420883.73	3739512.98	7.81E-05	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.95E-04	0.00E+00	0.00E+00	9.82E-06	1.91E-05	0.00E+00	0.00E+00
1477	420887.34	3739521.58	7.85E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.96E-04	0.00E+00	0.00E+00	9.88E-06	1.92E-05	0.00E+00	0.00E+00
1478	420890.94	3739530.18	7.90E-05	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	1.97E-04	0.00E+00	0.00E+00	9.94E-06	1.93E-05	0.00E+00	0.00E+00
1479	420894.54	3739538.79	8.01E-05	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	2.00E-04	0.00E+00	0.00E+00	1.01E-05	1.95E-05	0.00E+00	0.00E+00
1480	420898.14	3739547.39	8.11E-05	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	2.02E-04	0.00E+00	0.00E+00	1.02E-05	1.98E-05	0.00E+00	0.00E+00
1481	420901.74	3739556	8.22E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	2.05E-04	0.00E+00	0.00E+00	1.03E-05	2.01E-05	0.00E+00	0.00E+00
1482	420905.34	3739564.6	8.34E-05	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	2.08E-04	0.00E+00	0.00E+00	1.05E-05	2.04E-05	0.00E+00	0.00E+00
1483	420908.94	3739573.2	8.45E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	2.11E-04	0.00E+00	0.00E+00	1.06E-05	2.06E-05	0.00E+00	0.00E+00
1484	420912.54	3739581.81	8.55E-05	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	2.13E-04	0.00E+00	0.00E+00	1.08E-05	2.09E-05	0.00E+00	0.00E+00
1485	420916.14	3739590.41	8.65E-05	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	2.16E-04	0.00E+00	0.00E+00	1.09E-05	2.11E-05	0.00E+00	0.00E+00
1486	420919.74	3739599.01	8.73E-05	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-05	2.18E-04	0.00E+00	0.00E+00	1.10E-05	2.13E-05	0.00E+00	0.00E+00
1487	420923.34	3739607.62	8.81E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.15E-05	0.00E+00	0.00E+00
1488	420926.95	3739616.22	8.88E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	2.21E-04	0.00E+00	0.00E+00	1.12E-05	2.17E-05	0.00E+00	0.00E+00
1489	420930.55	3739624.82	8.96E-05	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	2.23E-04	0.00E+00	0.00E+00	1.13E-05	2.19E-05	0.00E+00	0.00E+00
1490	420934.15	3739633.43	9.06E-05	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-05	2.26E-04	0.00E+00	0.00E+00	1.14E-05	2.21E-05	0.00E+00	0.00E+00
1491	420937.75	3739642.03	9.16E-05	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	2.28E-04	0.00E+00	0.00E+00	1.15E-05	2.24E-05	0.00E+00	0.00E+00
1492	420941.35	3739650.63	9.26E-05	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-05	2.31E-04	0.00E+00	0.00E+00	1.16E-05	2.26E-05	0.00E+00	0.00E+00
1493	420944.95	3739659.24	9.36E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	2.33E-04	0.00E+00	0.00E+00	1.18E-05	2.28E-05	0.00E+00	0.00E+00
1494	420948.55	3739667.84	9.46E-05	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	2.36E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00
1495	420952.15	3739676.44	9.57E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-05	2.38E-04	0.00E+00	0.00E+00	1.20E-05	2.33E-05	0.00E+00	0.00E+00
1496	420955.75	3739685.05	9.68E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	2.41E-04	0.00E+00	0.00E+00	1.22E-05	2.36E-05	0.00E+00	0.00E+00
1497	420959.35	3739693.65	9.79E-05	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	2.44E-04	0.00E+00	0.00E+00	1.23E-05	2.39E-05	0.00E+00	0.00E+00
1498	420962.96	3739702.25	9.90E-05	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	2.47E-04	0.00E+00	0.00E+00	1.25E-05	2.42E-05	0.00E+00	0.00E+00
1499	420966.56	3739710.86	1.00E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.50E-04	0.00E+00	0.00E+00	1.26E-05	2.45E-05	0.00E+00	0.00E+00
1500	420970.16	3739719.46	1.01E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.52E-04	0.00E+00	0.00E+00	1.27E-05	2.47E-05	0.00E+00	0.00E+00
1501	420973.76	3739728.06	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
1502	420977.36	3739736.67	1.03E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.58E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
1503	420980.96	3739745.27	1.05E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.61E-04	0.00E+00	0.00E+00	1.32E-05	2.55E-05	0.00E+00	0.00E+00
1504	420984.56	3739753.87	1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.64E-04	0.00E+00	0.00E+00	1.33E-05	2.59E-05	0.00E+00	0.00E+00
1505	420988.16	3739762.48	1.07E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.68E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00
1506	420991.76	3739771.08	1.09E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.71E-04	0.00E+00	0.00E+00	1.37E-05	2.65E-05	0.00E+00	0.00E+00
1507	420995.36	3739779.69	1.10E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.73E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00
1508	420998.97	3739788.29	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.70E-05	0.00E+00	0.00E+00
1509	421002.57	3739796.89	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00
1510	421006.17	3739805.5	1.12E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.80E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00
1511	421009.77	3739814.1	1.14E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
1512	421013.37	3739822.7	1.15E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.87E-04	0.00E+00	0.00E+00	1.45E-05	2.81E-05	0.00E+00	0.00E+00
1513	421016.97	3739831.31	1.16E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.90E-04	0.00E+00	0.00E+00	1.46E-05	2.84E-05	0.00E+00	0.00E+00
1514	421020.57	3739839.91	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.48E-05	2.88E-05	0.00E+00	0.00E+00
1515	421024.17	3739848.51	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
1516	421027.77	3739857.12	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.53E-05	2.98E-05	0.00E+00	0.00E+00
1517	421031.37	3739865.72	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.02E-05	0.00E+00	0.00E+00
1518	421034.97	3739874.32	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
1519	421038.58	3739882.93	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
1520	421042.18	3739891.53	1.30E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.24E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00
1521	421045.78	3739900.13	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00
1522	421049.38	3739908.74	1.34E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00

1537	420162.15	3739127.71	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.51E-05	2.92E-05	0.00E+00	0.00E+00
1538	420152.78	3739127.71	1.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00
1539	420143.41	3739127.71	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00
1540	420134.04	3739127.71	1.25E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.11E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00
1541	420124.67	3739127.71	1.27E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00
1542	420115.3	3739127.71	1.28E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.20E-04	0.00E+00	0.00E+00	1.61E-05	3.13E-05	0.00E+00	0.00E+00
1543	420105.93	3739127.71	1.30E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.24E-04	0.00E+00	0.00E+00	1.63E-05	3.17E-05	0.00E+00	0.00E+00
1544	420096.56	3739127.71	1.32E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.28E-04	0.00E+00	0.00E+00	1.66E-05	3.21E-05	0.00E+00	0.00E+00
1545	420087.19	3739127.71	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00
1546	420077.82	3739127.71	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1547	420068.45	3739127.71	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00
1548	420226.3	3739094.85	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
1549	420234.96	3739098.42	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
1550	420243.61	3739102	1.02E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.54E-04	0.00E+00	0.00E+00	1.28E-05	2.49E-05	0.00E+00	0.00E+00
1551	420252.26	3739105.57	1.01E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.52E-04	0.00E+00	0.00E+00	1.27E-05	2.47E-05	0.00E+00	0.00E+00
1552	420260.91	3739109.14	1.01E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.51E-04	0.00E+00	0.00E+00	1.27E-05	2.46E-05	0.00E+00	0.00E+00
1553	420269.57	3739112.71	1.00E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.49E-04	0.00E+00	0.00E+00	1.26E-05	2.44E-05	0.00E+00	0.00E+00
1554	420278.22	3739116.28	9.95E-05	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	2.48E-04	0.00E+00	0.00E+00	1.25E-05	2.43E-05	0.00E+00	0.00E+00
1555	420286.87	3739119.85	9.89E-05	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-05	2.47E-04	0.00E+00	0.00E+00	1.24E-05	2.41E-05	0.00E+00	0.00E+00
1556	420295.52	3739123.42	9.84E-05	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-05	2.45E-04	0.00E+00	0.00E+00	1.24E-05	2.40E-05	0.00E+00	0.00E+00
1557	420304.18	3739127	9.79E-05	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	2.44E-04	0.00E+00	0.00E+00	1.23E-05	2.39E-05	0.00E+00	0.00E+00
1558	420312.83	3739130.57	9.74E-05	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	2.43E-04	0.00E+00	0.00E+00	1.22E-05	2.38E-05	0.00E+00	0.00E+00
1559	420321.48	3739134.14	9.69E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	2.41E-04	0.00E+00	0.00E+00	1.22E-05	2.36E-05	0.00E+00	0.00E+00
1560	420330.13	3739137.71	9.64E-05	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	2.40E-04	0.00E+00	0.00E+00	1.21E-05	2.35E-05	0.00E+00	0.00E+00
1561	420338.79	3739141.28	9.59E-05	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-05	2.39E-04	0.00E+00	0.00E+00	1.21E-05	2.34E-05	0.00E+00	0.00E+00
1562	420347.44	3739144.85	9.35E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	2.33E-04	0.00E+00	0.00E+00	1.18E-05	2.28E-05	0.00E+00	0.00E+00
1563	420356.09	3739148.43	9.31E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00
1564	420364.74	3739152	9.46E-05	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	2.36E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00
1565	420373.4	3739155.57	9.42E-05	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	2.35E-04	0.00E+00	0.00E+00	1.18E-05	2.30E-05	0.00E+00	0.00E+00
1566	420382.05	3739159.14	9.38E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.29E-05	0.00E+00	0.00E+00
1567	420390.7	3739162.71	9.35E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	2.33E-04	0.00E+00	0.00E+00	1.18E-05	2.28E-05	0.00E+00	0.00E+00
1568	420399.35	3739166.28	9.31E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00
1569	420408.01	3739169.85	9.27E-05	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	2.31E-04	0.00E+00	0.00E+00	1.17E-05	2.26E-05	0.00E+00	0.00E+00
1570	420416.66	3739173.43	9.23E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00
1571	420425.31	3739177	9.19E-05	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	2.29E-04	0.00E+00	0.00E+00	1.16E-05	2.24E-05	0.00E+00	0.00E+00
1572	420433.96	3739180.57	9.15E-05	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	2.28E-04	0.00E+00	0.00E+00	1.15E-05	2.23E-05	0.00E+00	0.00E+00
1573	420442.62	3739184.14	9.11E-05	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-05	2.27E-04	0.00E+00	0.00E+00	1.15E-05	2.22E-05	0.00E+00	0.00E+00
1574	420451.27	3739187.71	9.07E-05	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	2.26E-04	0.00E+00	0.00E+00	1.14E-05	2.21E-05	0.00E+00	0.00E+00
1575	420459.92	3739191.28	9.03E-05	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-05	2.25E-04	0.00E+00	0.00E+00	1.14E-05	2.20E-05	0.00E+00	0.00E+00
1576	420468.57	3739194.85	8.99E-05	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	2.24E-04	0.00E+00	0.00E+00	1.13E-05	2.19E-05	0.00E+00	0.00E+00
1577	420477.23	3739198.43	8.95E-05	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-05	2.23E-04	0.00E+00	0.00E+00	1.13E-05	2.18E-05	0.00E+00	0.00E+00
1578	420485.88	3739202	8.91E-05	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	2.22E-04	0.00E+00	0.00E+00	1.12E-05	2.17E-05	0.00E+00	0.00E+00
1579	420494.53	3739205.57	8.87E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	2.21E-04	0.00E+00	0.00E+00	1.12E-05	2.16E-05	0.00E+00	0.00E+00
1580	420503.18	3739209.14	8.83E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.15E-05	0.00E+00	0.00E+00
1581	420511.84	3739212.71	8.79E-05	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	2.19E-04	0.00E+00	0.00E+00	1.11E-05	2.14E-05	0.00E+00	0.00E+00
1582	420520.49	3739216.28	8.74E-05	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-05	2.18E-04	0.00E+00	0.00E+00	1.10E-05	2.13E-05	0.00E+00	0.00E+00
1583	420529.14	3739219.86	8.70E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-05	2.17E-04	0.00E+00	0.00E+00	1.09E-05	2.12E-05	0.00E+00	0.00E+00
1584	420537.79	3739223.43	8.65E-05	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	2.16E-04	0.00E+00	0.00E+00	1.09E-05	2.11E-05	0.00E+00	0.00E+00
1585	420546.45	3739227	8.61E-05	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	2.15E-04	0.00E+00	0.00E+00	1.08E-05	2.10E-05	0.00E+00	0.00E+00
1586	420555.1	3739230.57	8.56E-05	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	2.13E-04	0.00E+00	0.00E+00	1.08E-05	2.09E-05	0.00E+00	0.00E+00
1587	420563.75	3739234.14	8.51E-05	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-05	2.12E-04	0.00E+00	0.00E+00	1.07E-05	2.08E-05	0.00E+00	0.00E+00
1588	420572.4	3739237.71	8.46E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	2.11E-04	0.00E+00	0.00E+00	1.06E-05	2.06E-05	0.00E+00	0.00E+00
1589	420581.06	3739241.28	8.40E-05	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-05	2.09E-04	0.00E+00	0.00E+00	1.06E-05	2.05E-05	0.00E+00	0.00E+00
1590	420589.71	3739244.86	8.35E-05	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	2.08E-04	0.00E+00	0.00E+00	1.05E-05	2.04E-05	0.00E+00	0.00E+00
1591	420598.36	3739248.43	8.30E-05	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	2.07E-04	0.00E+00	0.00E+00	1.04E-05	2.03E-05	0.00E+00	0.00E+00
1592	420632.97	3739262.71	8.08E-05	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	2.01E-04	0.00E+00	0.00E+00	1.02E-05	1.97E-05	0.00E+00	0.00E+00
1593	420641.62	3739266.28	8.03E-05	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	2.00E-04	0.00E+00	0.00E+00	1.01E-05	1.96E-05	0.00E+00	0.00E+00
1594	420650.28	3739269.86	7.97E-05	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.99E-04	0.00E+00	0.00E+00	1.00E-05	1.95E-05	0.00E+00	0.00E+00
1595	420658.93	3739273.43	7.91E-05	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	1.97E-04	0.00E+00	0.00E+00	9.95E-06	1.93E-05	0.00E+00	0.00E+00
1596	420667.58	3739277	7.86E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-05	1.96E-04	0.00E+00	0.00E+00	9.88E-06	1.92E-05	0.00E+00	0.00E+00
1597	420676.23	3739280.57	7.80E-05	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	1.94E-04	0.00E+00	0.00E+00	9.81E-06	1.90E-05	0.00E+00	0.00E+00
1598	420684.89	3739284.14	7.74E-05	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-05	1.93E-04	0.00E+00	0.00E+00	9.74E-06	1.89E-05	0.00E+00	0.00E+00
1599	420693.54	3739287.71	7.69E-05	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	1.92E-04	0.00E+00	0.00E+00	9.67E-06	1.88E-05	0.00E+00	0.00E+00
1600	420702.19	3739291.28	7.53E-05	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	1.88E-04	0.00E+00	0.00E+00	9.47E-06	1.84E-05	0.00E+00	0.00E+00
1601	420710.84	3739294.86	7.46E-05	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	1.86E-04	0.00E+00	0.00E+00	9.38E-06	1.82E-05	0.00E+00	0.00E+00
1602	420719.49	3739298.43	7.40E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	1.84E-04	0.00E+00	0.00E+00	9.30E-06	1.81E-05	0.00E+00	0.00E+00
1603	420728.15	3739302	7.33E-05	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	1.83E-04	0.00E+00	0.00E+00	9.22E-06	1.79E-05	0.00E+00	0.00E+00
1604	420736.8	3739305.57	7.27E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.81E-04	0.00E+00	0.00E+00	9.14E-06	1.77E-05	0.00E+00	0.00E+00
1605	420745.45	3739309.14	7.21E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	1.80E-04	0.00E+00	0.00E+00	9.07E-06	1.76E-05	0.00E+00	0.00E+00
1606	420754.1	3739312.71	7.15E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	1.78E-04	0.00E+00	0.00E+00	8.99E-06	1.74E-05	0.00E+00	0.00E+00
1607	420762.76	3739316.29	7.09E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	1.77E-04	0.00E+00	0.00E+00	8.92E-06	1.73E-05	0.00E+00	0.00E+00
1608	420771.41	3739319.86	7.03E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	1.75E-04	0.00E+00	0.00E+00	8.84E-06	1.72E-05	0.00E+00	0.00E+00
1609	420780.06	3739323.43	6.98E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	1.74E-04	0.00E+00	0.00E+00	8.78E-06	1.70E-05	0.00E+00	0.00E+00
1610	420788.71	3739327	6.94E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	1.73E-04	0.00E+00	0.00E+00	8.73E-06	1.69E-05	0.00E+00	0.00E+00
1611	420797.37	3739330.57	6.90E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	1.72E-04	0.00E+00	0.00E+00	8.68E-06	1.68E-05	0.00E+00	0.00E+00
1612	420806.02	3739334.14	6.86E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	1.71E-04	0.00E+00	0.00E+00	8.63E-06	1.67E-05	0.00E+00	0.00E+00
1613	420814.67	3739337.71	6.82E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	1.70E-04	0.00E+00	0.00E+00	8.58E-06	1.67E-05	0.00E+00	0.00E+00
1614	420823.32	3739341.29	6.80E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	1.69E-04	0.00E+00	0.00E+00	8.55E-06	1.66E-05	0.00E+00	0.00E+00
1615	420831.98	3739344.86	6.77E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	1.69E-04	0.00E+00	0.00E+00	8.51E-06	1.65E-05	0.00E+00	0.00E+00
1616	420840.63	3739348.43	6.74E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	1.68E-04	0.00E+00	0.00E+00	8.48E-06	1.64E-05	0.00E+00	0.00E+00
1617	420849.28	3739352	6.69E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	1.67E-04	0.00E+00	0.00E+00	8.42E-06	1.63E-05	0.00E+00	0.00E+00
1618	420868.78	3739381.48	6.77E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	1.69E-04	0.00E+00	0.00E+00	8.52E-06	1.65E-05	0.00E+00	0.00E+00
1619	420872.39	3739390.11	6.79E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-05	1.69E-04	0.00E+00	0.00E+00	8.54E-06	1.66E-05	0.00E+00	0.00E+00
1620	420876	3739398.75	6.81E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	1.70E-04	0.00E+00	0.00E+00	8.57E-06	1.66E-05	0.00E+00	0.00E+00
1621	420879.62	3739407.38	6.84E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	1.70E-04	0.00E+00	0.00E+00	8.60E-06	1.67E-05	0.00E+00	0.00E+00
1622	420883.23	3739416.02	6.88E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	1.71E-04	0.00E+00	0.00E+00	8.65E-06	1.68E-05	0.00E+00	0.00E+00
1623	420886.85	3739424.65	6.93E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.73E-04	0.00E+00	0.00E+00	8.71E-06	1.69E-05	0.00E+00	0.00E+00
1624	420890.46	3739433.28	6.98E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	1.74E-04	0.00E+00	0.00E+00	8.78E-06	1.70E-05	0.00E+00	0.00E+00
1625	420894.07	3739441.92	7.04E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	1.75E-04	0.00E+00	0.00E+00	8.85E-06	1.72E-05	0.00E+00	0.00E+00
1626	420897.69	3739450.55	7.08E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-05	1.77E-04	0.00E+00	0.00E+00	8.91E-06	1.73E-05	0.00E+00	0.00E+00
1627	420901.3	3739459.19	7.12E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	1.78E-04	0.00E+00	0.00E+00	8.96E-06	1.74E-05	0.00E+00	0.00E+00
1628	420904.92	3739467.82	7.16E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-05	1.79E-04	0.00E+00	0.00E+00	9.01E-06	1.75E-05	0.00E+00	0.00E+00
1629	420908.53	3739476.46	7.19E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	1.79E-04	0.00E+00	0.00E+00	9.04E-06	1.75E-05	0.00E+00	0.00E+00
1630	420912.15	3739485.09	7.21E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	1.80E-04	0.00E+00	0.00E+00	9.06E-06	1.76E-05	0.00E+00	0.00E+00
1631	420915.76	3739493.73	7.23E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	1.80E-04	0.00E+00	0.00E+00	9.09E-06	1.76E-05	0.00E+00	0.00E+00
1632	420919.37	3739502.36	7.27E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	1.81E-04	0.00E+00	0.00E+00	9.14E-06	1.77E-05	0.00E+00	0.00E+00
1633	420922.99	3739511	7.

1647	420973.58	3739631.88	8.69E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	2.17E-04	0.00E+00	0.00E+00	1.09E-05	2.12E-05	0.00E+00	0.00E+00
1648	420977.2	3739640.52	8.78E-05	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	2.19E-04	0.00E+00	0.00E+00	1.10E-05	2.14E-05	0.00E+00	0.00E+00
1649	420980.81	3739649.15	8.88E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-05	2.21E-04	0.00E+00	0.00E+00	1.12E-05	2.17E-05	0.00E+00	0.00E+00
1650	420984.43	3739657.79	8.98E-05	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-05	2.24E-04	0.00E+00	0.00E+00	1.13E-05	2.19E-05	0.00E+00	0.00E+00
1651	420988.04	3739666.42	9.07E-05	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	2.26E-04	0.00E+00	0.00E+00	1.14E-05	2.21E-05	0.00E+00	0.00E+00
1652	420991.65	3739675.06	9.15E-05	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	2.28E-04	0.00E+00	0.00E+00	1.15E-05	2.23E-05	0.00E+00	0.00E+00
1653	420995.27	3739683.69	9.24E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.26E-05	0.00E+00	0.00E+00
1654	420998.88	3739692.33	9.34E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	2.33E-04	0.00E+00	0.00E+00	1.18E-05	2.28E-05	0.00E+00	0.00E+00
1655	421002.5	3739700.96	9.45E-05	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	2.35E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00
1656	421006.11	3739709.6	9.55E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	2.38E-04	0.00E+00	0.00E+00	1.20E-05	2.33E-05	0.00E+00	0.00E+00
1657	421009.72	3739718.23	9.65E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	2.41E-04	0.00E+00	0.00E+00	1.21E-05	2.36E-05	0.00E+00	0.00E+00
1658	421013.34	3739726.87	9.76E-05	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-05	2.43E-04	0.00E+00	0.00E+00	1.23E-05	2.38E-05	0.00E+00	0.00E+00
1659	421016.95	3739735.5	9.88E-05	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	2.46E-04	0.00E+00	0.00E+00	1.24E-05	2.41E-05	0.00E+00	0.00E+00
1660	421020.57	3739744.14	9.99E-05	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-05	2.49E-04	0.00E+00	0.00E+00	1.26E-05	2.44E-05	0.00E+00	0.00E+00
1661	421031.41	3739770.04	1.03E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.56E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
1662	421035.02	3739778.67	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.51E-05	0.00E+00	0.00E+00
1663	421038.64	3739787.31	1.03E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.58E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
1664	421042.25	3739795.94	1.04E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.59E-04	0.00E+00	0.00E+00	1.31E-05	2.54E-05	0.00E+00	0.00E+00
1665	421045.87	3739804.58	1.05E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.61E-04	0.00E+00	0.00E+00	1.32E-05	2.56E-05	0.00E+00	0.00E+00
1666	421049.48	3739813.21	1.06E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.65E-04	0.00E+00	0.00E+00	1.34E-05	2.60E-05	0.00E+00	0.00E+00
1667	421053.09	3739821.85	1.08E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.70E-04	0.00E+00	0.00E+00	1.36E-05	2.64E-05	0.00E+00	0.00E+00
1668	421056.71	3739830.48	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.69E-05	0.00E+00	0.00E+00
1669	421060.32	3739839.12	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.73E-05	0.00E+00	0.00E+00
1670	421063.94	3739847.75	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
1671	421067.55	3739856.39	1.16E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.88E-04	0.00E+00	0.00E+00	1.45E-05	2.82E-05	0.00E+00	0.00E+00
1672	421071.16	3739865.02	1.18E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
1673	421074.78	3739873.66	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.92E-05	0.00E+00	0.00E+00
1674	421078.39	3739882.29	1.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.97E-05	0.00E+00	0.00E+00
1675	421082.01	3739890.93	1.23E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.08E-04	0.00E+00	0.00E+00	1.55E-05	3.01E-05	0.00E+00	0.00E+00
1676	421085.62	3739899.56	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.57E-05	3.06E-05	0.00E+00	0.00E+00
1677	421089.23	3739908.2	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
1678	421092.85	3739916.83	1.29E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.20E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
1679	421096.46	3739925.47	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.64E-05	3.19E-05	0.00E+00	0.00E+00
1680	421100.08	3739934.1	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00
1681	421103.69	3739942.74	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1682	421107.3	3739951.37	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.72E-05	3.35E-05	0.00E+00	0.00E+00
1683	421110.92	3739960	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
1684	421114.53	3739968.64	1.41E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.45E-05	0.00E+00	0.00E+00
1685	421118.15	3739977.27	1.44E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.58E-04	0.00E+00	0.00E+00	1.81E-05	3.50E-05	0.00E+00	0.00E+00
1686	421121.76	3739985.91	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.83E-05	3.54E-05	0.00E+00	0.00E+00
1687	421125.37	3739994.54	1.47E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.58E-05	0.00E+00	0.00E+00
1688	420199.63	3739087.71	1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.64E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1689	420190.26	3739087.71	1.07E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.67E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00
1690	420180.89	3739087.71	1.09E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.71E-04	0.00E+00	0.00E+00	1.37E-05	2.65E-05	0.00E+00	0.00E+00
1691	420171.52	3739087.71	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
1692	420162.15	3739087.71	1.12E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
1693	420152.78	3739087.71	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
1694	420143.41	3739087.71	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00
1695	420134.04	3739087.71	1.16E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.89E-04	0.00E+00	0.00E+00	1.46E-05	2.83E-05	0.00E+00	0.00E+00
1696	420124.67	3739087.71	1.18E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
1697	420115.3	3739087.71	1.19E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.97E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
1698	420105.93	3739087.71	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
1699	420096.56	3739087.71	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00
1700	420087.19	3739087.71	1.24E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.08E-04	0.00E+00	0.00E+00	1.56E-05	3.02E-05	0.00E+00	0.00E+00
1701	420077.82	3739087.71	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00
1702	420068.45	3739087.71	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00
1703	420226.14	3739054.79	9.67E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-05	2.41E-04	0.00E+00	0.00E+00	1.22E-05	2.36E-05	0.00E+00	0.00E+00
1704	420234.71	3739058.32	9.62E-05	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-05	2.40E-04	0.00E+00	0.00E+00	1.21E-05	2.35E-05	0.00E+00	0.00E+00
1705	420243.29	3739061.86	9.56E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-05	2.38E-04	0.00E+00	0.00E+00	1.20E-05	2.33E-05	0.00E+00	0.00E+00
1706	420251.86	3739065.4	9.50E-05	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	2.37E-04	0.00E+00	0.00E+00	1.20E-05	2.32E-05	0.00E+00	0.00E+00
1707	420260.43	3739068.94	9.45E-05	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	2.35E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00
1708	420269	3739072.48	9.39E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.29E-05	0.00E+00	0.00E+00
1709	420277.57	3739076.01	9.34E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-05	2.33E-04	0.00E+00	0.00E+00	1.17E-05	2.28E-05	0.00E+00	0.00E+00
1710	420286.14	3739079.55	9.28E-05	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	2.31E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00
1711	420294.72	3739083.09	8.99E-05	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	2.24E-04	0.00E+00	0.00E+00	1.13E-05	2.19E-05	0.00E+00	0.00E+00
1712	420303.29	3739086.63	8.93E-05	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	2.23E-04	0.00E+00	0.00E+00	1.12E-05	2.18E-05	0.00E+00	0.00E+00
1713	420311.86	3739090.17	8.90E-05	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	2.22E-04	0.00E+00	0.00E+00	1.12E-05	2.17E-05	0.00E+00	0.00E+00
1714	420320.43	3739093.7	8.86E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	2.21E-04	0.00E+00	0.00E+00	1.11E-05	2.16E-05	0.00E+00	0.00E+00
1715	420329	3739097.24	8.83E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.16E-05	0.00E+00	0.00E+00
1716	420337.57	3739100.78	8.81E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.15E-05	0.00E+00	0.00E+00
1717	420346.14	3739104.32	8.97E-05	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	2.24E-04	0.00E+00	0.00E+00	1.13E-05	2.19E-05	0.00E+00	0.00E+00
1718	420354.72	3739107.86	8.93E-05	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	2.23E-04	0.00E+00	0.00E+00	1.12E-05	2.18E-05	0.00E+00	0.00E+00
1719	420363.29	3739111.4	8.90E-05	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	2.22E-04	0.00E+00	0.00E+00	1.12E-05	2.17E-05	0.00E+00	0.00E+00
1720	420371.86	3739114.93	8.86E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	2.21E-04	0.00E+00	0.00E+00	1.11E-05	2.16E-05	0.00E+00	0.00E+00
1721	420380.43	3739118.47	8.83E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	2.20E-04	0.00E+00	0.00E+00	1.11E-05	2.15E-05	0.00E+00	0.00E+00
1722	420389	3739122.01	8.79E-05	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-05	2.19E-04	0.00E+00	0.00E+00	1.11E-05	2.15E-05	0.00E+00	0.00E+00
1723	420397.57	3739125.55	8.76E-05	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	2.18E-04	0.00E+00	0.00E+00	1.10E-05	2.14E-05	0.00E+00	0.00E+00
1724	420406.14	3739129.09	8.72E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	2.17E-04	0.00E+00	0.00E+00	1.10E-05	2.13E-05	0.00E+00	0.00E+00
1725	420414.72	3739132.62	8.69E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	2.17E-04	0.00E+00	0.00E+00	1.09E-05	2.12E-05	0.00E+00	0.00E+00
1726	420423.29	3739136.16	8.65E-05	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-05	2.16E-04	0.00E+00	0.00E+00	1.09E-05	2.11E-05	0.00E+00	0.00E+00
1727	420431.86	3739139.7	8.62E-05	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-05	2.15E-04	0.00E+00	0.00E+00	1.08E-05	2.10E-05	0.00E+00	0.00E+00
1728	420440.43	3739143.24	8.59E-05	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	2.14E-04	0.00E+00	0.00E+00	1.08E-05	2.10E-05	0.00E+00	0.00E+00
1729	420449	3739146.78	8.55E-05	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-05	2.13E-04	0.00E+00	0.00E+00	1.08E-05	2.09E-05	0.00E+00	0.00E+00
1730	420457.57	3739150.31	8.52E-05	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-05	2.12E-04	0.00E+00	0.00E+00	1.07E-05	2.08E-05	0.00E+00	0.00E+00
1731	420466.15	3739153.85	8.48E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	2.11E-04	0.00E+00	0.00E+00	1.07E-05	2.07E-05	0.00E+00	0.00E+00
1732	420474.72	3739157.39	8.45E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	2.11E-04	0.00E+00	0.00E+00	1.06E-05	2.06E-05	0.00E+00	0.00E+00
1733	420483.29	3739160.93	8.42E-05	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	2.10E-04	0.00E+00	0.00E+00	1.06E-05	2.05E-05	0.00E+00	0.00E+00
1734	420491.86	3739164.47	8.38E-05	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	2.09E-04	0.00E+00	0.00E+00	1.05E-05	2.05E-05	0.00E+00	0.00E+00
1735	420500.43	3739168	8.34E-05	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	2.08E-04	0.00E+00	0.00E+00	1.05E-05	2.04E-05	0.00E+00	0.00E+00
1736	420509	3739171.54	8.31E-05	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-05	2.07E-04	0.00E+00	0.00E+00	1.04E-05	2.03E-05	0.00E+00	0.00E+00
1737	420517.57	3739175.08	8.27E-05	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	2.06E-04	0.00E+00	0.00E+00	1.04E-05	2.02E-05	0.00E+00	0.00E+00
1738	420526.15	3739178.62	8.23E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-05	2.05E-04	0.00E+00	0.00E+00	1.04E-05	2.01E-05	0.00E+00	0.00E+00
1739	420534.72	3739182.16	8.19E-05	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	2.04E-04	0.00E+00	0.00E+00	1.03E-05	2.00E-05	0.00E+00	0.00E+00
1740	420543.29	3739185.69	8.15E-05	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	2.03E-04	0.00E+00	0.00E+00	1.03E-05	1.99E-05	0.00E+00	0.00E+00
1741	420551.86	3739189.23	8.11E-05	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	2.02E-04	0.00E+00	0.00E+00	1.02E-05	1.98E-05	0.00E+00	0.00E+00
1742	420560.43	3739192.77	8.07E-05	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	2.01E-04	0.00E+00	0.00E+00	1.01E-05	1.97E-05	0.00E+00	0.00E+00
1743	420569	3739

1757	420706.15	3739252.92	7.25E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	1.81E-04	0.00E+00	0.00E+00	9.12E-06	1.77E-05	0.00E+00	0.00E+00
1758	420714.72	3739256.46	7.20E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	1.79E-04	0.00E+00	0.00E+00	9.06E-06	1.76E-05	0.00E+00	0.00E+00
1759	420723.29	3739259.99	7.06E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	1.76E-04	0.00E+00	0.00E+00	8.88E-06	1.72E-05	0.00E+00	0.00E+00
1760	420731.86	3739263.53	6.99E-05	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	1.74E-04	0.00E+00	0.00E+00	8.79E-06	1.71E-05	0.00E+00	0.00E+00
1761	420740.43	3739267.07	6.92E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-05	1.72E-04	0.00E+00	0.00E+00	8.70E-06	1.69E-05	0.00E+00	0.00E+00
1762	420749	3739270.61	6.86E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	1.71E-04	0.00E+00	0.00E+00	8.62E-06	1.67E-05	0.00E+00	0.00E+00
1763	420757.58	3739274.15	6.80E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	1.69E-04	0.00E+00	0.00E+00	8.55E-06	1.66E-05	0.00E+00	0.00E+00
1764	420766.15	3739277.68	6.74E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	1.68E-04	0.00E+00	0.00E+00	8.48E-06	1.65E-05	0.00E+00	0.00E+00
1765	420774.72	3739281.22	6.69E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	1.67E-04	0.00E+00	0.00E+00	8.41E-06	1.63E-05	0.00E+00	0.00E+00
1766	420783.29	3739284.76	6.64E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	1.66E-04	0.00E+00	0.00E+00	8.36E-06	1.62E-05	0.00E+00	0.00E+00
1767	420791.86	3739288.3	6.61E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	1.65E-04	0.00E+00	0.00E+00	8.31E-06	1.61E-05	0.00E+00	0.00E+00
1768	420800.43	3739291.84	6.57E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	1.64E-04	0.00E+00	0.00E+00	8.27E-06	1.60E-05	0.00E+00	0.00E+00
1769	420809.01	3739295.38	6.54E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	1.63E-04	0.00E+00	0.00E+00	8.22E-06	1.60E-05	0.00E+00	0.00E+00
1770	420817.58	3739298.91	6.50E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	1.62E-04	0.00E+00	0.00E+00	8.18E-06	1.59E-05	0.00E+00	0.00E+00
1771	420826.15	3739302.45	6.47E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	1.61E-04	0.00E+00	0.00E+00	8.13E-06	1.58E-05	0.00E+00	0.00E+00
1772	420834.72	3739305.99	6.43E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	1.60E-04	0.00E+00	0.00E+00	8.09E-06	1.57E-05	0.00E+00	0.00E+00
1773	420843.29	3739309.53	6.40E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	1.59E-04	0.00E+00	0.00E+00	8.04E-06	1.56E-05	0.00E+00	0.00E+00
1774	420851.86	3739313.07	6.36E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	1.58E-04	0.00E+00	0.00E+00	7.99E-06	1.55E-05	0.00E+00	0.00E+00
1775	420860.43	3739316.6	6.32E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	1.57E-04	0.00E+00	0.00E+00	7.95E-06	1.54E-05	0.00E+00	0.00E+00
1776	420869.01	3739320.14	6.28E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	1.57E-04	0.00E+00	0.00E+00	7.90E-06	1.53E-05	0.00E+00	0.00E+00
1777	420877.58	3739323.68	6.23E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	1.55E-04	0.00E+00	0.00E+00	7.84E-06	1.52E-05	0.00E+00	0.00E+00
1778	420889.73	3739335.77	6.22E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	1.55E-04	0.00E+00	0.00E+00	7.82E-06	1.52E-05	0.00E+00	0.00E+00
1779	420893.31	3739344.33	6.25E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	1.56E-04	0.00E+00	0.00E+00	7.86E-06	1.52E-05	0.00E+00	0.00E+00
1780	420896.89	3739352.88	6.28E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	1.57E-04	0.00E+00	0.00E+00	7.90E-06	1.53E-05	0.00E+00	0.00E+00
1781	420907.63	3739378.54	6.36E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	1.59E-04	0.00E+00	0.00E+00	8.00E-06	1.55E-05	0.00E+00	0.00E+00
1782	420911.21	3739387.1	6.40E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	1.59E-04	0.00E+00	0.00E+00	8.04E-06	1.56E-05	0.00E+00	0.00E+00
1783	420914.79	3739395.65	6.43E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	1.60E-04	0.00E+00	0.00E+00	8.09E-06	1.57E-05	0.00E+00	0.00E+00
1784	420918.37	3739404.2	6.46E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	1.61E-04	0.00E+00	0.00E+00	8.13E-06	1.58E-05	0.00E+00	0.00E+00
1785	420921.95	3739412.76	6.50E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	1.62E-04	0.00E+00	0.00E+00	8.17E-06	1.59E-05	0.00E+00	0.00E+00
1786	420925.53	3739421.31	6.53E-05	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	1.63E-04	0.00E+00	0.00E+00	8.22E-06	1.59E-05	0.00E+00	0.00E+00
1787	420929.11	3739429.87	6.57E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	1.64E-04	0.00E+00	0.00E+00	8.26E-06	1.60E-05	0.00E+00	0.00E+00
1788	420932.69	3739438.42	6.61E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	1.65E-04	0.00E+00	0.00E+00	8.31E-06	1.61E-05	0.00E+00	0.00E+00
1789	420936.27	3739446.97	6.66E-05	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	1.66E-04	0.00E+00	0.00E+00	8.37E-06	1.62E-05	0.00E+00	0.00E+00
1790	420939.85	3739455.53	6.70E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	1.67E-04	0.00E+00	0.00E+00	8.43E-06	1.64E-05	0.00E+00	0.00E+00
1791	420943.43	3739464.08	6.74E-05	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	1.68E-04	0.00E+00	0.00E+00	8.48E-06	1.65E-05	0.00E+00	0.00E+00
1792	420947.01	3739472.64	6.78E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-05	1.69E-04	0.00E+00	0.00E+00	8.53E-06	1.65E-05	0.00E+00	0.00E+00
1793	420950.59	3739481.19	6.82E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	1.70E-04	0.00E+00	0.00E+00	8.58E-06	1.66E-05	0.00E+00	0.00E+00
1794	420954.17	3739489.74	6.87E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	1.71E-04	0.00E+00	0.00E+00	8.64E-06	1.68E-05	0.00E+00	0.00E+00
1795	420957.75	3739498.3	6.93E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.73E-04	0.00E+00	0.00E+00	8.71E-06	1.69E-05	0.00E+00	0.00E+00
1796	420961.33	3739506.85	7.01E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-05	1.75E-04	0.00E+00	0.00E+00	8.82E-06	1.71E-05	0.00E+00	0.00E+00
1797	420964.91	3739515.41	7.11E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	1.77E-04	0.00E+00	0.00E+00	8.94E-06	1.74E-05	0.00E+00	0.00E+00
1798	420968.49	3739523.96	7.20E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	1.80E-04	0.00E+00	0.00E+00	9.06E-06	1.76E-05	0.00E+00	0.00E+00
1799	420972.07	3739532.51	7.30E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-05	1.82E-04	0.00E+00	0.00E+00	9.18E-06	1.78E-05	0.00E+00	0.00E+00
1800	420975.65	3739541.07	7.40E-05	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-05	1.84E-04	0.00E+00	0.00E+00	9.31E-06	1.81E-05	0.00E+00	0.00E+00
1801	420979.24	3739549.62	7.49E-05	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	1.87E-04	0.00E+00	0.00E+00	9.42E-06	1.83E-05	0.00E+00	0.00E+00
1802	420982.82	3739558.18	7.59E-05	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	1.89E-04	0.00E+00	0.00E+00	9.54E-06	1.85E-05	0.00E+00	0.00E+00
1803	420986.4	3739566.73	7.67E-05	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	1.91E-04	0.00E+00	0.00E+00	9.65E-06	1.87E-05	0.00E+00	0.00E+00
1804	420989.98	3739575.28	7.76E-05	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	1.93E-04	0.00E+00	0.00E+00	9.76E-06	1.89E-05	0.00E+00	0.00E+00
1805	420993.56	3739583.84	7.85E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.96E-04	0.00E+00	0.00E+00	9.87E-06	1.92E-05	0.00E+00	0.00E+00
1806	420997.14	3739592.39	7.93E-05	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	1.98E-04	0.00E+00	0.00E+00	9.98E-06	1.94E-05	0.00E+00	0.00E+00
1807	421000.72	3739600.94	8.01E-05	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	2.00E-04	0.00E+00	0.00E+00	1.01E-05	1.95E-05	0.00E+00	0.00E+00
1808	421004.3	3739609.5	8.08E-05	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-05	2.01E-04	0.00E+00	0.00E+00	1.02E-05	1.97E-05	0.00E+00	0.00E+00
1809	421007.88	3739618.05	8.16E-05	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-05	2.03E-04	0.00E+00	0.00E+00	1.03E-05	1.99E-05	0.00E+00	0.00E+00
1810	421011.46	3739626.61	8.25E-05	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	2.06E-04	0.00E+00	0.00E+00	1.04E-05	2.01E-05	0.00E+00	0.00E+00
1811	421015.04	3739635.16	8.33E-05	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	2.08E-04	0.00E+00	0.00E+00	1.05E-05	2.03E-05	0.00E+00	0.00E+00
1812	421018.62	3739643.71	8.41E-05	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	2.09E-04	0.00E+00	0.00E+00	1.06E-05	2.05E-05	0.00E+00	0.00E+00
1813	421022.2	3739652.27	8.48E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-05	2.11E-04	0.00E+00	0.00E+00	1.07E-05	2.07E-05	0.00E+00	0.00E+00
1814	421072.32	3739772.02	9.65E-05	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	2.40E-04	0.00E+00	0.00E+00	1.21E-05	2.35E-05	0.00E+00	0.00E+00
1815	421075.9	3739780.58	9.73E-05	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	2.43E-04	0.00E+00	0.00E+00	1.22E-05	2.38E-05	0.00E+00	0.00E+00
1816	421079.48	3739789.13	9.83E-05	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-05	2.45E-04	0.00E+00	0.00E+00	1.24E-05	2.40E-05	0.00E+00	0.00E+00
1817	421083.06	3739797.69	9.94E-05	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	2.48E-04	0.00E+00	0.00E+00	1.25E-05	2.43E-05	0.00E+00	0.00E+00
1818	421086.64	3739806.24	1.01E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.51E-04	0.00E+00	0.00E+00	1.27E-05	2.46E-05	0.00E+00	0.00E+00
1819	421090.22	3739814.79	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
1820	421093.8	3739823.35	1.04E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.59E-04	0.00E+00	0.00E+00	1.31E-05	2.54E-05	0.00E+00	0.00E+00
1821	421097.38	3739831.9	1.06E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.63E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1822	421100.96	3739840.46	1.08E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.68E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00
1823	421104.54	3739849.01	1.09E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.73E-04	0.00E+00	0.00E+00	1.38E-05	2.67E-05	0.00E+00	0.00E+00
1824	421108.12	3739857.56	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
1825	421111.7	3739866.12	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
1826	421115.28	3739874.67	1.14E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.85E-04	0.00E+00	0.00E+00	1.44E-05	2.79E-05	0.00E+00	0.00E+00
1827	421118.86	3739883.23	1.16E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.89E-04	0.00E+00	0.00E+00	1.46E-05	2.83E-05	0.00E+00	0.00E+00
1828	421122.45	3739891.78	1.17E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
1829	421126.03	3739900.33	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.49E-05	2.90E-05	0.00E+00	0.00E+00
1830	421129.61	3739908.89	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
1831	421133.19	3739917.44	1.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00
1832	421136.77	3739926	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.01E-05	0.00E+00	0.00E+00
1833	421140.35	3739934.55	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00
1834	421143.93	3739943.1	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
1835	421147.51	3739951.66	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.62E-05	3.15E-05	0.00E+00	0.00E+00
1836	421151.09	3739960.21	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.64E-05	3.19E-05	0.00E+00	0.00E+00
1837	421154.67	3739968.77	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.67E-05	3.23E-05	0.00E+00	0.00E+00
1838	421158.25	3739977.32	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.69E-05	3.27E-05	0.00E+00	0.00E+00
1839	421161.83	3739985.87	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
1840	421165.41	3739994.43	1.36E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.40E-04	0.00E+00	0.00E+00	1.72E-05	3.33E-05	0.00E+00	0.00E+00
1841	420199.63	3739047.71	9.91E-05	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	2.47E-04	0.00E+00	0.00E+00	1.25E-05	2.42E-05	0.00E+00	0.00E+00
1842	420190.26	3739047.71	1.00E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.50E-04	0.00E+00	0.00E+00	1.26E-05	2.45E-05	0.00E+00	0.00E+00
1843	420180.89	3739047.71	1.02E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.54E-04	0.00E+00	0.00E+00	1.28E-05	2.48E-05	0.00E+00	0.00E+00
1844	420171.52	3739047.71	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.51E-05	0.00E+00	0.00E+00
1845	420162.15	3739047.71	1.04E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.60E-04	0.00E+00	0.00E+00	1.31E-05	2.55E-05	0.00E+00	0.00E+00
1846	420152.78	3739047.71	1.06E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.63E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
1847	420143.41	3739047.71	1.07E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.67E-04	0.00E+00	0.00E+00	1.35E-05	2.61E-05	0.00E+00	0.00E+00
1848	420134.04	3739047.71	1.08E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.70E-04	0.00E+00	0.00E+00	1.36E-05	2.65E-05	0.00E+00	0.00E+00
1849	420124.67	3739047.71	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00
1850	420115.3	3739047.71	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00
1851	420105.93	3739047.71	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
1852	420096.56	3739047.71	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
1853

1867	420320.83	3739053.87	8.32E-05	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	2.07E-04	0.00E+00	0.00E+00	1.05E-05	2.03E-05	0.00E+00	0.00E+00
1868	420329.43	3739057.42	8.28E-05	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	2.06E-04	0.00E+00	0.00E+00	1.04E-05	2.02E-05	0.00E+00	0.00E+00
1869	420338.03	3739060.97	8.25E-05	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	2.06E-04	0.00E+00	0.00E+00	1.04E-05	2.01E-05	0.00E+00	0.00E+00
1870	420346.63	3739064.52	8.22E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	2.05E-04	0.00E+00	0.00E+00	1.03E-05	2.00E-05	0.00E+00	0.00E+00
1871	420355.23	3739068.07	8.19E-05	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-05	2.04E-04	0.00E+00	0.00E+00	1.03E-05	2.00E-05	0.00E+00	0.00E+00
1872	420363.84	3739071.62	8.17E-05	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	2.04E-04	0.00E+00	0.00E+00	1.03E-05	1.99E-05	0.00E+00	0.00E+00
1873	420372.44	3739075.17	8.17E-05	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	2.04E-04	0.00E+00	0.00E+00	1.03E-05	1.99E-05	0.00E+00	0.00E+00
1874	420381.04	3739078.72	8.30E-05	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	2.07E-04	0.00E+00	0.00E+00	1.04E-05	2.03E-05	0.00E+00	0.00E+00
1875	420389.64	3739082.27	8.27E-05	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	2.06E-04	0.00E+00	0.00E+00	1.04E-05	2.02E-05	0.00E+00	0.00E+00
1876	420398.24	3739085.82	8.24E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-05	2.05E-04	0.00E+00	0.00E+00	1.04E-05	2.01E-05	0.00E+00	0.00E+00
1877	420406.85	3739089.38	8.21E-05	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	2.05E-04	0.00E+00	0.00E+00	1.03E-05	2.00E-05	0.00E+00	0.00E+00
1878	420415.45	3739092.93	8.18E-05	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	2.04E-04	0.00E+00	0.00E+00	1.03E-05	2.00E-05	0.00E+00	0.00E+00
1879	420424.05	3739096.48	8.15E-05	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	2.03E-04	0.00E+00	0.00E+00	1.03E-05	1.99E-05	0.00E+00	0.00E+00
1880	420432.65	3739100.03	8.12E-05	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-05	2.02E-04	0.00E+00	0.00E+00	1.02E-05	1.98E-05	0.00E+00	0.00E+00
1881	420441.25	3739103.58	8.09E-05	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	2.02E-04	0.00E+00	0.00E+00	1.02E-05	1.97E-05	0.00E+00	0.00E+00
1882	420449.86	3739107.13	8.06E-05	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-05	2.01E-04	0.00E+00	0.00E+00	1.01E-05	1.97E-05	0.00E+00	0.00E+00
1883	420458.46	3739110.68	8.03E-05	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-05	2.00E-04	0.00E+00	0.00E+00	1.01E-05	1.96E-05	0.00E+00	0.00E+00
1884	420467.06	3739114.23	8.00E-05	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	1.99E-04	0.00E+00	0.00E+00	1.01E-05	1.95E-05	0.00E+00	0.00E+00
1885	420475.66	3739117.78	7.97E-05	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-05	1.99E-04	0.00E+00	0.00E+00	1.00E-05	1.95E-05	0.00E+00	0.00E+00
1886	420484.26	3739121.33	7.94E-05	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	1.98E-04	0.00E+00	0.00E+00	9.99E-06	1.94E-05	0.00E+00	0.00E+00
1887	420492.87	3739124.88	7.91E-05	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	1.97E-04	0.00E+00	0.00E+00	9.95E-06	1.93E-05	0.00E+00	0.00E+00
1888	420501.47	3739128.43	7.88E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	1.96E-04	0.00E+00	0.00E+00	9.91E-06	1.92E-05	0.00E+00	0.00E+00
1889	420510.07	3739131.98	7.85E-05	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-05	1.96E-04	0.00E+00	0.00E+00	9.87E-06	1.91E-05	0.00E+00	0.00E+00
1890	420518.67	3739135.53	7.81E-05	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-05	1.95E-04	0.00E+00	0.00E+00	9.83E-06	1.91E-05	0.00E+00	0.00E+00
1891	420527.27	3739139.08	7.78E-05	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-05	1.94E-04	0.00E+00	0.00E+00	9.79E-06	1.90E-05	0.00E+00	0.00E+00
1892	420535.88	3739142.64	7.75E-05	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	1.93E-04	0.00E+00	0.00E+00	9.74E-06	1.89E-05	0.00E+00	0.00E+00
1893	420544.48	3739146.19	7.71E-05	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	1.92E-04	0.00E+00	0.00E+00	9.70E-06	1.88E-05	0.00E+00	0.00E+00
1894	420553.08	3739149.74	7.68E-05	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	1.91E-04	0.00E+00	0.00E+00	9.65E-06	1.87E-05	0.00E+00	0.00E+00
1895	420561.68	3739153.29	7.64E-05	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	1.90E-04	0.00E+00	0.00E+00	9.61E-06	1.86E-05	0.00E+00	0.00E+00
1896	420570.28	3739156.84	7.60E-05	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	1.89E-04	0.00E+00	0.00E+00	9.56E-06	1.85E-05	0.00E+00	0.00E+00
1897	420578.89	3739160.39	7.56E-05	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-05	1.88E-04	0.00E+00	0.00E+00	9.51E-06	1.84E-05	0.00E+00	0.00E+00
1898	420587.49	3739163.94	7.52E-05	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	1.87E-04	0.00E+00	0.00E+00	9.45E-06	1.83E-05	0.00E+00	0.00E+00
1899	420596.09	3739167.49	7.47E-05	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	1.86E-04	0.00E+00	0.00E+00	9.40E-06	1.82E-05	0.00E+00	0.00E+00
1900	420604.69	3739171.04	7.42E-05	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	1.85E-04	0.00E+00	0.00E+00	9.33E-06	1.81E-05	0.00E+00	0.00E+00
1901	420630.5	3739181.69	7.28E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	1.81E-04	0.00E+00	0.00E+00	9.16E-06	1.78E-05	0.00E+00	0.00E+00
1902	420639.1	3739185.24	7.26E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-05	1.81E-04	0.00E+00	0.00E+00	9.13E-06	1.77E-05	0.00E+00	0.00E+00
1903	420647.7	3739188.79	7.22E-05	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	1.80E-04	0.00E+00	0.00E+00	9.08E-06	1.76E-05	0.00E+00	0.00E+00
1904	420656.3	3739192.34	7.18E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	1.79E-04	0.00E+00	0.00E+00	9.03E-06	1.75E-05	0.00E+00	0.00E+00
1905	420664.91	3739195.89	7.13E-05	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	1.78E-04	0.00E+00	0.00E+00	8.97E-06	1.74E-05	0.00E+00	0.00E+00
1906	420673.51	3739199.45	7.09E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	1.77E-04	0.00E+00	0.00E+00	8.92E-06	1.73E-05	0.00E+00	0.00E+00
1907	420682.11	3739203	7.05E-05	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	1.76E-04	0.00E+00	0.00E+00	8.86E-06	1.72E-05	0.00E+00	0.00E+00
1908	420690.71	3739206.55	7.00E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	1.75E-04	0.00E+00	0.00E+00	8.81E-06	1.71E-05	0.00E+00	0.00E+00
1909	420699.31	3739210.1	6.96E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	1.73E-04	0.00E+00	0.00E+00	8.75E-06	1.70E-05	0.00E+00	0.00E+00
1910	420707.92	3739213.65	6.91E-05	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	1.72E-04	0.00E+00	0.00E+00	8.69E-06	1.69E-05	0.00E+00	0.00E+00
1911	420716.52	3739217.2	6.86E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-05	1.71E-04	0.00E+00	0.00E+00	8.63E-06	1.68E-05	0.00E+00	0.00E+00
1912	420725.12	3739220.75	6.82E-05	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	1.70E-04	0.00E+00	0.00E+00	8.57E-06	1.66E-05	0.00E+00	0.00E+00
1913	420733.72	3739224.3	6.77E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	1.69E-04	0.00E+00	0.00E+00	8.51E-06	1.65E-05	0.00E+00	0.00E+00
1914	420742.32	3739227.85	6.63E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	1.65E-04	0.00E+00	0.00E+00	8.34E-06	1.62E-05	0.00E+00	0.00E+00
1915	420750.93	3739231.4	6.57E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	1.64E-04	0.00E+00	0.00E+00	8.26E-06	1.60E-05	0.00E+00	0.00E+00
1916	420759.53	3739234.95	6.51E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	1.62E-04	0.00E+00	0.00E+00	8.19E-06	1.59E-05	0.00E+00	0.00E+00
1917	420768.13	3739238.5	6.46E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	1.61E-04	0.00E+00	0.00E+00	8.12E-06	1.58E-05	0.00E+00	0.00E+00
1918	420776.73	3739242.05	6.40E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-05	1.60E-04	0.00E+00	0.00E+00	8.05E-06	1.56E-05	0.00E+00	0.00E+00
1919	420785.33	3739245.6	6.36E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	1.59E-04	0.00E+00	0.00E+00	8.00E-06	1.55E-05	0.00E+00	0.00E+00
1920	420793.94	3739249.15	6.33E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-05	1.58E-04	0.00E+00	0.00E+00	7.96E-06	1.54E-05	0.00E+00	0.00E+00
1921	420802.54	3739252.71	6.30E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	1.57E-04	0.00E+00	0.00E+00	7.92E-06	1.54E-05	0.00E+00	0.00E+00
1922	420811.14	3739256.26	6.27E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	1.56E-04	0.00E+00	0.00E+00	7.89E-06	1.53E-05	0.00E+00	0.00E+00
1923	420819.74	3739259.81	6.23E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	1.55E-04	0.00E+00	0.00E+00	7.84E-06	1.52E-05	0.00E+00	0.00E+00
1924	420828.34	3739263.36	6.19E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	1.54E-04	0.00E+00	0.00E+00	7.79E-06	1.51E-05	0.00E+00	0.00E+00
1925	420836.95	3739266.91	6.15E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	1.53E-04	0.00E+00	0.00E+00	7.74E-06	1.50E-05	0.00E+00	0.00E+00
1926	420845.55	3739270.46	6.12E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	1.53E-04	0.00E+00	0.00E+00	7.70E-06	1.49E-05	0.00E+00	0.00E+00
1927	420854.15	3739274.01	6.08E-05	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	1.52E-04	0.00E+00	0.00E+00	7.65E-06	1.48E-05	0.00E+00	0.00E+00
1928	420862.75	3739277.56	6.05E-05	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	1.51E-04	0.00E+00	0.00E+00	7.61E-06	1.48E-05	0.00E+00	0.00E+00
1929	420871.35	3739281.11	6.01E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	1.50E-04	0.00E+00	0.00E+00	7.56E-06	1.47E-05	0.00E+00	0.00E+00
1930	420879.96	3739284.66	5.97E-05	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	1.49E-04	0.00E+00	0.00E+00	7.51E-06	1.46E-05	0.00E+00	0.00E+00
1931	420888.56	3739288.21	5.93E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	1.48E-04	0.00E+00	0.00E+00	7.46E-06	1.45E-05	0.00E+00	0.00E+00
1932	420897.16	3739291.76	5.89E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	1.47E-04	0.00E+00	0.00E+00	7.41E-06	1.44E-05	0.00E+00	0.00E+00
1933	420905.76	3739295.31	5.85E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-05	1.46E-04	0.00E+00	0.00E+00	7.36E-06	1.43E-05	0.00E+00	0.00E+00
1934	420917.96	3739307.45	5.83E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	1.45E-04	0.00E+00	0.00E+00	7.33E-06	1.42E-05	0.00E+00	0.00E+00
1935	420921.55	3739316.03	5.84E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	1.46E-04	0.00E+00	0.00E+00	7.35E-06	1.43E-05	0.00E+00	0.00E+00
1936	420925.14	3739324.62	5.86E-05	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	1.46E-04	0.00E+00	0.00E+00	7.37E-06	1.43E-05	0.00E+00	0.00E+00
1937	420928.74	3739333.2	5.88E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	1.47E-04	0.00E+00	0.00E+00	7.40E-06	1.44E-05	0.00E+00	0.00E+00
1938	420932.33	3739341.79	5.92E-05	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	1.47E-04	0.00E+00	0.00E+00	7.44E-06	1.44E-05	0.00E+00	0.00E+00
1939	420935.92	3739350.37	5.95E-05	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	1.48E-04	0.00E+00	0.00E+00	7.49E-06	1.45E-05	0.00E+00	0.00E+00
1940	420939.51	3739358.95	6.00E-05	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	1.50E-04	0.00E+00	0.00E+00	7.55E-06	1.46E-05	0.00E+00	0.00E+00
1941	420950.29	3739384.71	6.13E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	1.53E-04	0.00E+00	0.00E+00	7.71E-06	1.50E-05	0.00E+00	0.00E+00
1942	420953.89	3739393.29	6.17E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	1.54E-04	0.00E+00	0.00E+00	7.76E-06	1.51E-05	0.00E+00	0.00E+00
1943	420957.48	3739401.88	6.21E-05	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	1.55E-04	0.00E+00	0.00E+00	7.81E-06	1.52E-05	0.00E+00	0.00E+00
1944	420961.07	3739410.46	6.25E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	1.56E-04	0.00E+00	0.00E+00	7.86E-06	1.53E-05	0.00E+00	0.00E+00
1945	420964.67	3739419.05	6.28E-05	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	1.57E-04	0.00E+00	0.00E+00	7.90E-06	1.53E-05	0.00E+00	0.00E+00
1946	420968.26	3739427.63	6.32E-05	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	1.58E-04	0.00E+00	0.00E+00	7.95E-06	1.54E-05	0.00E+00	0.00E+00
1947	420971.85	3739436.21	6.37E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	1.59E-04	0.00E+00	0.00E+00	8.01E-06	1.55E-05	0.00E+00	0.00E+00
1948	420975.44	3739444.8	6.41E-05	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	1.60E-04	0.00E+00	0.00E+00	8.06E-06	1.56E-05	0.00E+00	0.00E+00
1949	420979.04	3739453.38	6.44E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	1.61E-04	0.00E+00	0.00E+00	8.11E-06	1.57E-05	0.00E+00	0.00E+00
1950	420982.63	3739461.97	6.48E-05	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	1.61E-04	0.00E+00	0.00E+00	8.15E-06	1.58E-05	0.00E+00	0.00E+00
1951	420986.22	3739470.55	6.51E-05	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-05	1.62E-04	0.00E+00	0.00E+00	8.18E-06	1.59E-05	0.00E+00	0.00E+00
1952	420989.82	3739479.14	6.57E-05	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	1.64E-04	0.00E+00	0.00E+00	8.26E-06	1.60E-05	0.00E+00	0.00E+00
1953	420993.41	3739487.72	6.63E-05	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	1.65E-04	0.00E+00	0.00E+00	8.34E-06	1.62E-05	0.00E+00	0.00E+00
1954	420997	3739496.31	6.70E-05	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	1.67E-04	0.00E+00	0.00E+00	8.42E-06	1.63E-05	0.00E+00	0.00E+00
1955	421000.59	3739504.89	6.77E-05	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	1.69E-04	0.00E+00	0.00E+00	8.52E-06	1.65E-05	0.00E+00	0.00E+00
1956	421004.19	3739513.47	6.85E-05	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	1.71E-04	0.00E+00	0.00E+00	8.62E-06	1.67E-05	0.00E+00	0.00E+00
1957	421007.78	3739522.06	6.93E-05	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	1.73E-04	0.00E+00	0.00E+00	8.71E-06	1.69E-05	0.00E+00	0.00E+00
1958	421011.37	3739530.64	7.00E-05	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	1.75E-04	0.00E+00	0.00E+00	8.81E-06	1.71E-05	0.00E+00	0.00E+00
1959	421014.97	3739539.23	7.09E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	1.77E-04	0.00E+00	0.00E+00	8.91E-06	1.73E-05	0.00E+00	0.00E+00
1960	421018.56	3739547.81	7.17E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-05	1.79E-04	0.00E+00	0.00E+00	9.01E-06	1.75E-05	0.00E+00	0.00E+00
1961	421022.15	3739556.4	7.25E-05	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	1.81E-04	0.00E+00	0.00E+00	9.12E-06	1.77E-05	0.00E+00	0.00E+00
1962	421111.98	3739771.01	9.24E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00
1963

1977	421165.87	3739899.77	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.73E-05	0.00E+00	0.00E+00
1978	421169.47	3739908.36	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
1979	421173.06	3739916.94	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
1980	421176.65	3739925.53	1.16E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.88E-04	0.00E+00	0.00E+00	1.45E-05	2.82E-05	0.00E+00	0.00E+00
1981	421180.24	3739934.11	1.17E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
1982	421183.84	3739942.69	1.19E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.97E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
1983	421187.43	3739951.28	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
1984	421191.02	3739959.86	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00
1985	421194.62	3739968.45	1.23E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.08E-04	0.00E+00	0.00E+00	1.55E-05	3.01E-05	0.00E+00	0.00E+00
1986	421198.21	3739977.03	1.25E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.11E-04	0.00E+00	0.00E+00	1.57E-05	3.04E-05	0.00E+00	0.00E+00
1987	421201.8	3739985.62	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
1988	421205.39	3739994.2	1.27E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.18E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00
1989	420199.63	3739007.71	9.31E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00
1990	420190.26	3739007.71	9.42E-05	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-05	2.35E-04	0.00E+00	0.00E+00	1.18E-05	2.30E-05	0.00E+00	0.00E+00
1991	420180.89	3739007.71	9.54E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-05	2.38E-04	0.00E+00	0.00E+00	1.20E-05	2.33E-05	0.00E+00	0.00E+00
1992	420171.52	3739007.71	9.66E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	2.41E-04	0.00E+00	0.00E+00	1.21E-05	2.36E-05	0.00E+00	0.00E+00
1993	420162.15	3739007.71	9.78E-05	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	2.44E-04	0.00E+00	0.00E+00	1.23E-05	2.39E-05	0.00E+00	0.00E+00
1994	420152.78	3739007.71	9.90E-05	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-05	2.47E-04	0.00E+00	0.00E+00	1.24E-05	2.42E-05	0.00E+00	0.00E+00
1995	420143.41	3739007.71	1.00E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.50E-04	0.00E+00	0.00E+00	1.26E-05	2.45E-05	0.00E+00	0.00E+00
1996	420134.04	3739007.71	1.01E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.53E-04	0.00E+00	0.00E+00	1.28E-05	2.48E-05	0.00E+00	0.00E+00
1997	420124.67	3739007.71	1.03E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.56E-04	0.00E+00	0.00E+00	1.29E-05	2.51E-05	0.00E+00	0.00E+00
1998	420115.3	3739007.71	1.04E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.59E-04	0.00E+00	0.00E+00	1.31E-05	2.54E-05	0.00E+00	0.00E+00
1999	420105.93	3739007.71	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.57E-05	0.00E+00	0.00E+00
2000	420096.56	3739007.71	1.06E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.65E-04	0.00E+00	0.00E+00	1.34E-05	2.60E-05	0.00E+00	0.00E+00
2001	420087.19	3739007.71	1.08E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.69E-04	0.00E+00	0.00E+00	1.36E-05	2.63E-05	0.00E+00	0.00E+00
2002	420077.82	3739007.71	1.09E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.72E-04	0.00E+00	0.00E+00	1.37E-05	2.66E-05	0.00E+00	0.00E+00
2003	420068.45	3739007.71	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
2004	420034.42	3739901.86	2.74E-03	6.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03	6.83E-03	0.00E+00	0.00E+00	3.45E-04	6.69E-04	0.00E+00	0.00E+00
2005	420042.92	3739898.32	2.77E-03	6.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03	6.91E-03	0.00E+00	0.00E+00	3.49E-04	6.77E-04	0.00E+00	0.00E+00
2006	420051.43	3739894.79	2.78E-03	6.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	6.93E-03	0.00E+00	0.00E+00	3.50E-04	6.78E-04	0.00E+00	0.00E+00
2007	420059.94	3739891.25	2.76E-03	6.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03	6.88E-03	0.00E+00	0.00E+00	3.47E-04	6.74E-04	0.00E+00	0.00E+00
2008	419994	3739898.67	2.10E-03	5.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	5.23E-03	0.00E+00	0.00E+00	2.64E-04	5.12E-04	0.00E+00	0.00E+00
2009	420010.54	3739891.79	2.24E-03	5.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	5.59E-03	0.00E+00	0.00E+00	2.82E-04	5.47E-04	0.00E+00	0.00E+00
2010	420027.09	3739884.91	2.33E-03	5.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	5.80E-03	0.00E+00	0.00E+00	2.93E-04	5.68E-04	0.00E+00	0.00E+00
2011	420043.63	3739878.03	2.35E-03	5.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	5.87E-03	0.00E+00	0.00E+00	2.96E-04	5.74E-04	0.00E+00	0.00E+00
2012	419951.68	3739903.01	1.56E-03	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	3.90E-03	0.00E+00	0.00E+00	1.97E-04	3.82E-04	0.00E+00	0.00E+00
2013	419963.11	3739891.51	1.64E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	4.08E-03	0.00E+00	0.00E+00	2.06E-04	3.99E-04	0.00E+00	0.00E+00
2014	419979.31	3739884.78	1.78E-03	4.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	4.43E-03	0.00E+00	0.00E+00	2.23E-04	4.34E-04	0.00E+00	0.00E+00
2015	419995.52	3739878.04	1.90E-03	4.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	4.73E-03	0.00E+00	0.00E+00	2.38E-04	4.63E-04	0.00E+00	0.00E+00
2016	420044.14	3739857.82	2.01E-03	5.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	5.02E-03	0.00E+00	0.00E+00	2.53E-04	4.91E-04	0.00E+00	0.00E+00
2017	419933.84	3739897.84	1.35E-03	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	3.37E-03	0.00E+00	0.00E+00	1.70E-04	3.30E-04	0.00E+00	0.00E+00
2018	419937.33	3739889.31	1.35E-03	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	3.37E-03	0.00E+00	0.00E+00	1.70E-04	3.30E-04	0.00E+00	0.00E+00
2019	419949.33	3739877.24	1.41E-03	3.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	3.52E-03	0.00E+00	0.00E+00	1.78E-04	3.45E-04	0.00E+00	0.00E+00
2020	419957.84	3739873.71	1.48E-03	3.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	3.68E-03	0.00E+00	0.00E+00	1.86E-04	3.60E-04	0.00E+00	0.00E+00
2021	420000.38	3739856.01	1.71E-03	4.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	4.27E-03	0.00E+00	0.00E+00	2.15E-04	4.18E-04	0.00E+00	0.00E+00
2022	420008.89	3739852.48	1.74E-03	4.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	4.33E-03	0.00E+00	0.00E+00	2.18E-04	4.24E-04	0.00E+00	0.00E+00
2023	420017.4	3739848.94	1.75E-03	4.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	4.37E-03	0.00E+00	0.00E+00	2.20E-04	4.28E-04	0.00E+00	0.00E+00
2024	420042.92	3739838.32	1.74E-03	4.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	4.34E-03	0.00E+00	0.00E+00	2.19E-04	4.25E-04	0.00E+00	0.00E+00
2025	420051.43	3739834.79	1.72E-03	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	4.28E-03	0.00E+00	0.00E+00	2.16E-04	4.19E-04	0.00E+00	0.00E+00
2026	420059.94	3739831.25	1.69E-03	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	4.20E-03	0.00E+00	0.00E+00	2.12E-04	4.11E-04	0.00E+00	0.00E+00
2027	419912.95	3739900.12	1.18E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.95E-03	0.00E+00	0.00E+00	1.49E-04	2.88E-04	0.00E+00	0.00E+00
2028	419919.79	3739883.4	1.19E-03	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.97E-03	0.00E+00	0.00E+00	1.50E-04	2.90E-04	0.00E+00	0.00E+00
2029	419923.22	3739875.04	1.19E-03	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.96E-03	0.00E+00	0.00E+00	1.50E-04	2.90E-04	0.00E+00	0.00E+00
2030	419951.67	3739856.27	1.33E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	3.32E-03	0.00E+00	0.00E+00	1.67E-04	3.25E-04	0.00E+00	0.00E+00
2031	419960.01	3739852.8	1.38E-03	3.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	3.43E-03	0.00E+00	0.00E+00	1.73E-04	3.36E-04	0.00E+00	0.00E+00
2032	419968.35	3739849.33	1.42E-03	3.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	3.54E-03	0.00E+00	0.00E+00	1.79E-04	3.47E-04	0.00E+00	0.00E+00
2033	419976.69	3739845.87	1.46E-03	3.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	3.63E-03	0.00E+00	0.00E+00	1.83E-04	3.56E-04	0.00E+00	0.00E+00
2034	419993.37	3739838.93	1.51E-03	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	3.76E-03	0.00E+00	0.00E+00	1.90E-04	3.68E-04	0.00E+00	0.00E+00
2035	420001.72	3739835.46	1.52E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	3.80E-03	0.00E+00	0.00E+00	1.92E-04	3.72E-04	0.00E+00	0.00E+00
2036	420010.06	3739831.99	1.54E-03	3.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	3.83E-03	0.00E+00	0.00E+00	1.93E-04	3.75E-04	0.00E+00	0.00E+00
2037	420043.42	3739818.12	1.52E-03	3.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	3.78E-03	0.00E+00	0.00E+00	1.91E-04	3.70E-04	0.00E+00	0.00E+00
2038	420060.11	3739811.18	1.47E-03	3.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	3.65E-03	0.00E+00	0.00E+00	1.84E-04	3.58E-04	0.00E+00	0.00E+00
2039	419891.12	3739904.69	1.03E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	2.57E-03	0.00E+00	0.00E+00	1.30E-04	2.52E-04	0.00E+00	0.00E+00
2040	419894.68	3739896	1.04E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.59E-03	0.00E+00	0.00E+00	1.31E-04	2.54E-04	0.00E+00	0.00E+00
2041	419898.24	3739887.32	1.05E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.61E-03	0.00E+00	0.00E+00	1.32E-04	2.56E-04	0.00E+00	0.00E+00
2042	419901.79	3739878.63	1.05E-03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.62E-03	0.00E+00	0.00E+00	1.32E-04	2.56E-04	0.00E+00	0.00E+00
2043	419921.13	3739848.97	1.09E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.72E-03	0.00E+00	0.00E+00	1.37E-04	2.66E-04	0.00E+00	0.00E+00
2044	419929.79	3739845.37	1.13E-03	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.82E-03	0.00E+00	0.00E+00	1.42E-04	2.76E-04	0.00E+00	0.00E+00
2045	419938.46	3739841.76	1.17E-03	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.92E-03	0.00E+00	0.00E+00	1.47E-04	2.86E-04	0.00E+00	0.00E+00
2046	419947.12	3739838.16	1.21E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	3.02E-03	0.00E+00	0.00E+00	1.52E-04	2.96E-04	0.00E+00	0.00E+00
2047	419955.79	3739834.56	1.25E-03	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	3.12E-03	0.00E+00	0.00E+00	1.57E-04	3.05E-04	0.00E+00	0.00E+00
2048	419964.46	3739830.95	1.29E-03	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	3.20E-03	0.00E+00	0.00E+00	1.62E-04	3.14E-04	0.00E+00	0.00E+00
2049	419973.12	3739827.35	1.31E-03	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	3.28E-03	0.00E+00	0.00E+00	1.65E-04	3.21E-04	0.00E+00	0.00E+00
2050	419981.79	3739823.75	1.34E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	3.33E-03	0.00E+00	0.00E+00	1.68E-04	3.26E-04	0.00E+00	0.00E+00
2051	419990.45	3739820.14	1.35E-03	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	3.37E-03	0.00E+00	0.00E+00	1.70E-04	3.30E-04	0.00E+00	0.00E+00
2052	419999.12	3739816.54	1.36E-03	3.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	3.39E-03	0.00E+00	0.00E+00	1.71E-04	3.32E-04	0.00E+00	0.00E+00
2053	420007.79	3739812.94	1.37E-03	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	3.41E-03	0.00E+00	0.00E+00	1.72E-04	3.33E-04	0.00E+00	0.00E+00
2054	420016.45	3739809.33	1.37E-03	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	3.41E-03	0.00E+00	0.00E+00	1.72E-04	3.34E-04	0.00E+00	0.00E+00
2055	420042.45	3739798.52	1.34E-03	3.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	3.33E-03	0.00E+00	0.00E+00	1.68E-04	3.26E-04	0.00E+00	0.00E+00
2056	420051.12	3739794.92	1.31E-03	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	3.28E-03	0.00E+00	0.00E+00	1.65E-04	3.21E-04	0.00E+00	0.00E+00
2057	420059.78	3739791.31	1.29E-03	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	3.20E-03	0.00E+00	0.00E+00	1.62E-04	3.14E-04	0.00E+00	0.00E+00
2058	419873.84	3739898.17	9.17E-04	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-04	2.28E-03	0.00E+00	0.00E+00	1.15E-04	2.24E-04	0.00E+00	0.00E+00
2059	419877.33	3739889.64	9.24E-04	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	2.30E-03	0.00E+00	0.00E+00	1.16E-04	2.25E-04	0.00E+00	0.00E+00
2060	419880.82	3739881.11	9.29E-04	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	2.31E-03	0.00E+00	0.00E+00	1.17E-04	2.27E-04	0.00E+00	0.00E+00
2061	419884.31	3739872.58	9.32E-04	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	2.32E-03	0.00E+00	0.00E+00	1.17E-04	2.28E-04	0.00E+00	0.00E+00
2062	419891.3	3739855.53	9.36E-04	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	2.33E-03	0.00E+00	0.00E+00	1.18E-04	2.28E-04	0.00E+00	0.00E+00
2063	419894.79	3739847	9.36E-04	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	2.33E-03	0.00E+00	0.00E+00	1.18E-04	2.28E-04	0.00E+00	0.00E+00
2064	419906.79	3739834.93	9.69E-04	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	2.41E-03	0.00E+00	0.00E+00	1.22E-04	2.36E-04	0.00E+00	0.00E+00
2065	419915.3	3739831.4	1.00E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	2.50E-03	0.00E+00	0.00E+00	1.26E-04	2.45E-04	0.00E+00	0.00E+00
2066	419923.8	3739827.86	1.04E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.59E-03	0.00E+00	0.00E+00	1.30E-04	2.53E-04	0.00E+00	0.00E+00
2067	419932.31	3739824.32	1.07E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.67E-03	0.00E+00	0.00E+00	1.35E-04	2.61E-04	0.00E+00	0.00E+00
2068	419940.82	3739820.78	1.10E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.75E-03	0.00E+00	0.00E+00	1.39E-04	2.69E-04	0.00E+00	0.00E+00
2069	419949.33	3739817.24	1.13E-03	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.83E-03	0.00E+00	0.00E+00	1.43E-04	2.77E-04	0.00E+00	0.00E+00
2070	419957.84	3739813.71	1.16E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.89E-03	0.00E+00	0.00E+00	1.46E-04	2.83E-04	0.00E+00	0.00E+00
2071	419966.35	3739810.17	1.18E-03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.95E-03	0.00E+00	0.00E+00	1.49E-04	2.89E-04	0.00E+00	0.00E+00
2072	419974.86	3739806.63	1.20E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	3.00E-03	0.00E+00	0.00E+00	1.51E-04	2.93E-04	0.00E+00	0.00E+00
2073

2087	419942.76	3739799.98	1.03E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	2.58E-03	0.00E+00	0.00E+00	1.30E-04	2.53E-04	0.00E+00	0.00E+00
2088	419951.13	3739796.49	1.06E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	2.63E-03	0.00E+00	0.00E+00	1.33E-04	2.58E-04	0.00E+00	0.00E+00
2089	419959.51	3739793.01	1.07E-03	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.68E-03	0.00E+00	0.00E+00	1.35E-04	2.62E-04	0.00E+00	0.00E+00
2090	419967.89	3739789.52	1.09E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.72E-03	0.00E+00	0.00E+00	1.37E-04	2.66E-04	0.00E+00	0.00E+00
2091	420018.17	3739768.62	1.10E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.75E-03	0.00E+00	0.00E+00	1.39E-04	2.70E-04	0.00E+00	0.00E+00
2092	420034.93	3739761.65	1.08E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.69E-03	0.00E+00	0.00E+00	1.35E-04	2.63E-04	0.00E+00	0.00E+00
2093	420043.31	3739758.16	1.06E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	2.63E-03	0.00E+00	0.00E+00	1.33E-04	2.58E-04	0.00E+00	0.00E+00
2094	420051.69	3739754.68	1.03E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	2.58E-03	0.00E+00	0.00E+00	1.30E-04	2.52E-04	0.00E+00	0.00E+00
2095	420060.07	3739751.19	1.01E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.51E-03	0.00E+00	0.00E+00	1.27E-04	2.46E-04	0.00E+00	0.00E+00
2096	419830.96	3739905.43	7.21E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.80E-03	0.00E+00	0.00E+00	9.07E-05	1.76E-04	0.00E+00	0.00E+00
2097	419834.5	3739896.78	7.26E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.81E-03	0.00E+00	0.00E+00	9.13E-05	1.77E-04	0.00E+00	0.00E+00
2098	419838.04	3739888.13	7.30E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	1.82E-03	0.00E+00	0.00E+00	9.19E-05	1.78E-04	0.00E+00	0.00E+00
2099	419841.58	3739879.48	7.34E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	1.83E-03	0.00E+00	0.00E+00	9.23E-05	1.79E-04	0.00E+00	0.00E+00
2100	419845.12	3739870.83	7.37E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.84E-03	0.00E+00	0.00E+00	9.27E-05	1.80E-04	0.00E+00	0.00E+00
2101	419852.21	3739853.52	7.45E-04	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04	1.86E-03	0.00E+00	0.00E+00	9.36E-05	1.82E-04	0.00E+00	0.00E+00
2102	419855.75	3739844.87	7.49E-04	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	1.87E-03	0.00E+00	0.00E+00	9.42E-05	1.83E-04	0.00E+00	0.00E+00
2103	419859.29	3739836.22	7.53E-04	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.88E-03	0.00E+00	0.00E+00	9.47E-05	1.84E-04	0.00E+00	0.00E+00
2104	419862.83	3739827.57	7.56E-04	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.88E-03	0.00E+00	0.00E+00	9.50E-05	1.84E-04	0.00E+00	0.00E+00
2105	419866.37	3739818.92	7.58E-04	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	1.89E-03	0.00E+00	0.00E+00	9.54E-05	1.85E-04	0.00E+00	0.00E+00
2106	419878.55	3739806.68	7.87E-04	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.96E-03	0.00E+00	0.00E+00	9.90E-05	1.92E-04	0.00E+00	0.00E+00
2107	419887.18	3739803.09	8.12E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.98E-04	0.00E+00	0.00E+00
2108	419895.81	3739799.5	8.37E-04	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	2.09E-03	0.00E+00	0.00E+00	1.05E-04	2.04E-04	0.00E+00	0.00E+00
2109	419904.44	3739795.91	8.62E-04	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04	2.15E-03	0.00E+00	0.00E+00	1.08E-04	2.10E-04	0.00E+00	0.00E+00
2110	419913.08	3739792.32	8.87E-04	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	2.21E-03	0.00E+00	0.00E+00	1.12E-04	2.16E-04	0.00E+00	0.00E+00
2111	419964.87	3739770.78	1.00E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	2.49E-03	0.00E+00	0.00E+00	1.26E-04	2.44E-04	0.00E+00	0.00E+00
2112	419973.5	3739767.19	1.01E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.51E-03	0.00E+00	0.00E+00	1.27E-04	2.46E-04	0.00E+00	0.00E+00
2113	419982.13	3739763.6	1.01E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.53E-03	0.00E+00	0.00E+00	1.28E-04	2.48E-04	0.00E+00	0.00E+00
2114	419990.76	3739760.01	1.02E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.53E-03	0.00E+00	0.00E+00	1.28E-04	2.48E-04	0.00E+00	0.00E+00
2115	419999.39	3739756.42	1.01E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.53E-03	0.00E+00	0.00E+00	1.28E-04	2.47E-04	0.00E+00	0.00E+00
2116	420008.03	3739752.84	1.01E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.52E-03	0.00E+00	0.00E+00	1.27E-04	2.46E-04	0.00E+00	0.00E+00
2117	420016.66	3739749.25	1.00E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	2.49E-03	0.00E+00	0.00E+00	1.26E-04	2.44E-04	0.00E+00	0.00E+00
2118	420025.29	3739745.66	9.87E-04	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	2.46E-03	0.00E+00	0.00E+00	1.24E-04	2.41E-04	0.00E+00	0.00E+00
2119	420033.92	3739742.07	9.70E-04	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-04	2.42E-03	0.00E+00	0.00E+00	1.22E-04	2.37E-04	0.00E+00	0.00E+00
2120	420042.55	3739738.48	9.50E-04	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-04	2.37E-03	0.00E+00	0.00E+00	1.20E-04	2.32E-04	0.00E+00	0.00E+00
2121	420051.19	3739734.89	9.27E-04	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	2.31E-03	0.00E+00	0.00E+00	1.17E-04	2.26E-04	0.00E+00	0.00E+00
2122	420059.82	3739731.3	9.02E-04	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	2.25E-03	0.00E+00	0.00E+00	1.13E-04	2.20E-04	0.00E+00	0.00E+00
2123	419813.84	3739898.5	6.52E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.62E-03	0.00E+00	0.00E+00	8.20E-05	1.59E-04	0.00E+00	0.00E+00
2124	419817.33	3739889.97	6.55E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	1.63E-03	0.00E+00	0.00E+00	8.24E-05	1.60E-04	0.00E+00	0.00E+00
2125	419820.82	3739881.44	6.58E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	1.64E-03	0.00E+00	0.00E+00	8.28E-05	1.61E-04	0.00E+00	0.00E+00
2126	419824.31	3739872.91	6.61E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	1.65E-03	0.00E+00	0.00E+00	8.31E-05	1.61E-04	0.00E+00	0.00E+00
2127	419834.79	3739847.33	6.73E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.68E-03	0.00E+00	0.00E+00	8.46E-05	1.64E-04	0.00E+00	0.00E+00
2128	419838.28	3739838.8	6.78E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.69E-03	0.00E+00	0.00E+00	8.52E-05	1.65E-04	0.00E+00	0.00E+00
2129	419841.77	3739830.27	6.81E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.70E-03	0.00E+00	0.00E+00	8.57E-05	1.66E-04	0.00E+00	0.00E+00
2130	419845.26	3739821.75	6.85E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	1.71E-03	0.00E+00	0.00E+00	8.62E-05	1.67E-04	0.00E+00	0.00E+00
2131	419848.75	3739813.22	6.89E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	1.72E-03	0.00E+00	0.00E+00	8.66E-05	1.68E-04	0.00E+00	0.00E+00
2132	419852.24	3739804.69	6.91E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	1.72E-03	0.00E+00	0.00E+00	8.69E-05	1.69E-04	0.00E+00	0.00E+00
2133	419864.24	3739792.62	7.16E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.78E-03	0.00E+00	0.00E+00	9.00E-05	1.75E-04	0.00E+00	0.00E+00
2134	419915.3	3739771.4	8.45E-04	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	2.11E-03	0.00E+00	0.00E+00	1.06E-04	2.06E-04	0.00E+00	0.00E+00
2135	419923.8	3739767.86	8.64E-04	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	2.15E-03	0.00E+00	0.00E+00	1.09E-04	2.11E-04	0.00E+00	0.00E+00
2136	419932.31	3739764.32	8.80E-04	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04	2.19E-03	0.00E+00	0.00E+00	1.11E-04	2.15E-04	0.00E+00	0.00E+00
2137	419940.82	3739760.78	8.95E-04	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	2.23E-03	0.00E+00	0.00E+00	1.13E-04	2.18E-04	0.00E+00	0.00E+00
2138	419949.33	3739757.24	9.07E-04	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	2.26E-03	0.00E+00	0.00E+00	1.14E-04	2.21E-04	0.00E+00	0.00E+00
2139	419957.84	3739753.71	9.18E-04	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	2.29E-03	0.00E+00	0.00E+00	1.15E-04	2.24E-04	0.00E+00	0.00E+00
2140	419966.35	3739750.17	9.26E-04	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	2.31E-03	0.00E+00	0.00E+00	1.16E-04	2.26E-04	0.00E+00	0.00E+00
2141	419974.86	3739746.63	9.31E-04	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	2.32E-03	0.00E+00	0.00E+00	1.17E-04	2.27E-04	0.00E+00	0.00E+00
2142	419983.36	3739743.09	9.32E-04	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	2.32E-03	0.00E+00	0.00E+00	1.17E-04	2.27E-04	0.00E+00	0.00E+00
2143	419991.87	3739739.55	9.30E-04	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	2.32E-03	0.00E+00	0.00E+00	1.17E-04	2.27E-04	0.00E+00	0.00E+00
2144	420000.38	3739736.01	9.24E-04	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	2.30E-03	0.00E+00	0.00E+00	1.16E-04	2.26E-04	0.00E+00	0.00E+00
2145	420008.89	3739732.48	9.15E-04	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-04	2.28E-03	0.00E+00	0.00E+00	1.15E-04	2.23E-04	0.00E+00	0.00E+00
2146	420017.4	3739728.94	9.04E-04	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	2.25E-03	0.00E+00	0.00E+00	1.14E-04	2.21E-04	0.00E+00	0.00E+00
2147	420025.91	3739725.4	8.89E-04	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	2.22E-03	0.00E+00	0.00E+00	1.12E-04	2.17E-04	0.00E+00	0.00E+00
2148	420034.42	3739721.86	8.73E-04	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	2.18E-03	0.00E+00	0.00E+00	1.10E-04	2.13E-04	0.00E+00	0.00E+00
2149	420042.92	3739718.32	8.54E-04	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04	2.13E-03	0.00E+00	0.00E+00	1.07E-04	2.08E-04	0.00E+00	0.00E+00
2150	420051.43	3739714.79	8.33E-04	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	2.08E-03	0.00E+00	0.00E+00	1.05E-04	2.03E-04	0.00E+00	0.00E+00
2151	420059.94	3739711.25	8.10E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.98E-04	0.00E+00	0.00E+00
2152	419806.02	3739844.49	5.86E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.46E-03	0.00E+00	0.00E+00	7.37E-05	1.43E-04	0.00E+00	0.00E+00
2153	419809.57	3739835.81	5.90E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.47E-03	0.00E+00	0.00E+00	7.42E-05	1.44E-04	0.00E+00	0.00E+00
2154	419813.13	3739827.12	5.93E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	1.48E-03	0.00E+00	0.00E+00	7.46E-05	1.45E-04	0.00E+00	0.00E+00
2155	419816.68	3739818.44	5.96E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.49E-03	0.00E+00	0.00E+00	7.50E-05	1.46E-04	0.00E+00	0.00E+00
2156	419820.24	3739809.75	6.00E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.49E-03	0.00E+00	0.00E+00	7.54E-05	1.46E-04	0.00E+00	0.00E+00
2157	419823.8	3739801.06	6.03E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	1.50E-03	0.00E+00	0.00E+00	7.58E-05	1.47E-04	0.00E+00	0.00E+00
2158	419827.35	3739792.38	6.04E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.51E-03	0.00E+00	0.00E+00	7.59E-05	1.47E-04	0.00E+00	0.00E+00
2159	419843.13	3739771.4	6.25E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.56E-03	0.00E+00	0.00E+00	7.86E-05	1.53E-04	0.00E+00	0.00E+00
2160	419851.8	3739767.8	6.46E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	1.61E-03	0.00E+00	0.00E+00	8.13E-05	1.58E-04	0.00E+00	0.00E+00
2161	419860.46	3739764.2	6.67E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	1.66E-03	0.00E+00	0.00E+00	8.38E-05	1.63E-04	0.00E+00	0.00E+00
2162	419869.13	3739760.59	6.86E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.71E-03	0.00E+00	0.00E+00	8.63E-05	1.68E-04	0.00E+00	0.00E+00
2163	419877.79	3739756.99	7.06E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	1.76E-03	0.00E+00	0.00E+00	8.87E-05	1.72E-04	0.00E+00	0.00E+00
2164	419886.46	3739753.39	7.23E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.80E-03	0.00E+00	0.00E+00	9.09E-05	1.76E-04	0.00E+00	0.00E+00
2165	419895.13	3739749.78	7.39E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	1.84E-03	0.00E+00	0.00E+00	9.30E-05	1.80E-04	0.00E+00	0.00E+00
2166	419903.79	3739746.18	7.54E-04	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	1.88E-03	0.00E+00	0.00E+00	9.49E-05	1.84E-04	0.00E+00	0.00E+00
2167	419912.46	3739742.57	7.68E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.92E-03	0.00E+00	0.00E+00	9.66E-05	1.88E-04	0.00E+00	0.00E+00
2168	419921.13	3739738.97	7.82E-04	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	1.95E-03	0.00E+00	0.00E+00	9.83E-05	1.91E-04	0.00E+00	0.00E+00
2169	419929.79	3739735.37	7.93E-04	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-04	1.98E-03	0.00E+00	0.00E+00	9.97E-05	1.94E-04	0.00E+00	0.00E+00
2170	419938.46	3739731.76	8.03E-04	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	2.00E-03	0.00E+00	0.00E+00	1.01E-04	1.96E-04	0.00E+00	0.00E+00
2171	419947.12	3739728.16	8.11E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.98E-04	0.00E+00	0.00E+00
2172	419955.79	3739724.56	8.16E-04	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	2.03E-03	0.00E+00	0.00E+00	1.03E-04	1.99E-04	0.00E+00	0.00E+00
2173	419964.46	3739720.95	8.19E-04	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	2.04E-03	0.00E+00	0.00E+00	1.03E-04	2.00E-04	0.00E+00	0.00E+00
2174	419973.12	3739717.35	8.19E-04	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	2.04E-03	0.00E+00	0.00E+00	1.03E-04	2.00E-04	0.00E+00	0.00E+00
2175	419981.79	3739713.75	8.17E-04	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	2.04E-03	0.00E+00	0.00E+00	1.03E-04	1.99E-04	0.00E+00	0.00E+00
2176	419990.45	3739710.14	8.12E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.98E-04	0.00E+00	0.00E+00
2177	419999.12	3739706.54	8.05E-04	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	2.01E-03	0.00E+00	0.00E+00	1.01E-04	1.96E-04	0.00E+00	0.00E+00
2178	420007.79	3739702.94	7.95E-04	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	1.98E-03	0.00E+00	0.00E+00	1.00E-04	1.94E-04	0.00E+00	0.00E+00
2179	420016.45	3739699.33	7.84E-04	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.95E-03	0.00E+00	0.00E+00	9.86E-05	1.91E-04	0.00E+00	0.00E+00
2180	420025.12	3739695.73	7.70E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	1.92E-03	0.00E+00	0.00E+00	9.69E-05	1.88E-04	0.00E+00	0.00E+00
2181	420033.79	3739692.12	7.55E-04	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.88E-03	0.00E+00	0.00E+00	9.50E-05	1.84E-04	0.00E+00	0.00E+00
2182	420042.45	3739688.52	7.38E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	1.84E-03	0.00E+00	0.00E+00	9.28E-05	1.80E-04	0.00E+00	0.00E+00

2197	419898.28	3739718.47	6.85E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	1.71E-03	0.00E+00	0.00E+00	8.62E-05	1.67E-04	0.00E+00	0.00E+00
2198	419906.79	3739714.93	6.96E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	1.73E-03	0.00E+00	0.00E+00	8.75E-05	1.70E-04	0.00E+00	0.00E+00
2199	419915.3	3739711.4	7.05E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.76E-03	0.00E+00	0.00E+00	8.87E-05	1.72E-04	0.00E+00	0.00E+00
2200	419923.8	3739707.86	7.14E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.78E-03	0.00E+00	0.00E+00	8.97E-05	1.74E-04	0.00E+00	0.00E+00
2201	419932.31	3739704.32	7.20E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.79E-03	0.00E+00	0.00E+00	9.06E-05	1.76E-04	0.00E+00	0.00E+00
2202	419940.82	3739700.78	7.25E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.81E-03	0.00E+00	0.00E+00	9.11E-05	1.77E-04	0.00E+00	0.00E+00
2203	419949.33	3739697.24	7.28E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.81E-03	0.00E+00	0.00E+00	9.15E-05	1.78E-04	0.00E+00	0.00E+00
2204	419957.84	3739693.71	7.29E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	1.82E-03	0.00E+00	0.00E+00	9.17E-05	1.78E-04	0.00E+00	0.00E+00
2205	419966.35	3739690.17	7.28E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.81E-03	0.00E+00	0.00E+00	9.16E-05	1.78E-04	0.00E+00	0.00E+00
2206	419974.86	3739686.63	7.25E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	1.81E-03	0.00E+00	0.00E+00	9.12E-05	1.77E-04	0.00E+00	0.00E+00
2207	419983.36	3739683.09	7.21E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.80E-03	0.00E+00	0.00E+00	9.07E-05	1.76E-04	0.00E+00	0.00E+00
2208	419991.87	3739679.55	7.14E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	1.78E-03	0.00E+00	0.00E+00	8.98E-05	1.74E-04	0.00E+00	0.00E+00
2209	420000.38	3739676.01	7.07E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	1.76E-03	0.00E+00	0.00E+00	8.89E-05	1.72E-04	0.00E+00	0.00E+00
2210	420008.89	3739672.48	6.97E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	1.74E-03	0.00E+00	0.00E+00	8.77E-05	1.70E-04	0.00E+00	0.00E+00
2211	420017.4	3739668.94	6.86E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.71E-03	0.00E+00	0.00E+00	8.63E-05	1.67E-04	0.00E+00	0.00E+00
2212	420025.91	3739665.4	6.74E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	1.68E-03	0.00E+00	0.00E+00	8.47E-05	1.64E-04	0.00E+00	0.00E+00
2213	420034.42	3739661.86	6.60E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	1.64E-03	0.00E+00	0.00E+00	8.30E-05	1.61E-04	0.00E+00	0.00E+00
2214	420042.92	3739658.32	6.44E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.61E-03	0.00E+00	0.00E+00	8.10E-05	1.57E-04	0.00E+00	0.00E+00
2215	420051.43	3739654.79	6.28E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.57E-03	0.00E+00	0.00E+00	7.90E-05	1.53E-04	0.00E+00	0.00E+00
2216	420059.94	3739651.25	6.11E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.52E-03	0.00E+00	0.00E+00	7.68E-05	1.49E-04	0.00E+00	0.00E+00
2217	419800.56	3739729.1	4.94E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	1.23E-03	0.00E+00	0.00E+00	6.21E-05	1.21E-04	0.00E+00	0.00E+00
2218	419809.2	3739725.51	5.09E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	1.27E-03	0.00E+00	0.00E+00	6.40E-05	1.24E-04	0.00E+00	0.00E+00
2219	419817.85	3739721.92	5.24E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	1.31E-03	0.00E+00	0.00E+00	6.59E-05	1.28E-04	0.00E+00	0.00E+00
2220	419826.49	3739718.32	5.38E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	1.34E-03	0.00E+00	0.00E+00	6.77E-05	1.31E-04	0.00E+00	0.00E+00
2221	419835.13	3739714.73	5.52E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.38E-03	0.00E+00	0.00E+00	6.95E-05	1.35E-04	0.00E+00	0.00E+00
2222	419843.77	3739711.14	5.66E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.41E-03	0.00E+00	0.00E+00	7.12E-05	1.38E-04	0.00E+00	0.00E+00
2223	419852.41	3739707.54	5.78E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	1.44E-03	0.00E+00	0.00E+00	7.27E-05	1.41E-04	0.00E+00	0.00E+00
2224	419861.05	3739703.95	5.89E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.47E-03	0.00E+00	0.00E+00	7.41E-05	1.44E-04	0.00E+00	0.00E+00
2225	419869.69	3739700.36	6.00E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.50E-03	0.00E+00	0.00E+00	7.54E-05	1.46E-04	0.00E+00	0.00E+00
2226	419878.34	3739696.76	6.10E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.52E-03	0.00E+00	0.00E+00	7.67E-05	1.49E-04	0.00E+00	0.00E+00
2227	419886.98	3739693.17	6.20E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.54E-03	0.00E+00	0.00E+00	7.80E-05	1.51E-04	0.00E+00	0.00E+00
2228	419895.62	3739689.58	6.29E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.57E-03	0.00E+00	0.00E+00	7.91E-05	1.54E-04	0.00E+00	0.00E+00
2229	419904.26	3739685.98	6.37E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.59E-03	0.00E+00	0.00E+00	8.01E-05	1.56E-04	0.00E+00	0.00E+00
2230	419912.9	3739682.39	6.44E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	1.60E-03	0.00E+00	0.00E+00	8.10E-05	1.57E-04	0.00E+00	0.00E+00
2231	419921.54	3739678.8	6.49E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.62E-03	0.00E+00	0.00E+00	8.16E-05	1.58E-04	0.00E+00	0.00E+00
2232	419930.19	3739675.2	6.52E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.62E-03	0.00E+00	0.00E+00	8.20E-05	1.59E-04	0.00E+00	0.00E+00
2233	419938.83	3739671.61	6.53E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.63E-03	0.00E+00	0.00E+00	8.22E-05	1.59E-04	0.00E+00	0.00E+00
2234	419947.47	3739668.02	6.54E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	1.63E-03	0.00E+00	0.00E+00	8.22E-05	1.60E-04	0.00E+00	0.00E+00
2235	419956.11	3739664.42	6.53E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.63E-03	0.00E+00	0.00E+00	8.21E-05	1.59E-04	0.00E+00	0.00E+00
2236	419964.75	3739660.83	6.51E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.62E-03	0.00E+00	0.00E+00	8.18E-05	1.59E-04	0.00E+00	0.00E+00
2237	419973.39	3739657.24	6.47E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.61E-03	0.00E+00	0.00E+00	8.14E-05	1.58E-04	0.00E+00	0.00E+00
2238	419982.03	3739653.64	6.42E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-04	1.60E-03	0.00E+00	0.00E+00	8.07E-05	1.57E-04	0.00E+00	0.00E+00
2239	419990.68	3739650.05	6.36E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	1.58E-03	0.00E+00	0.00E+00	8.00E-05	1.55E-04	0.00E+00	0.00E+00
2240	419999.32	3739646.46	6.28E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.57E-03	0.00E+00	0.00E+00	7.90E-05	1.53E-04	0.00E+00	0.00E+00
2241	420007.96	3739642.86	6.19E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	1.54E-03	0.00E+00	0.00E+00	7.79E-05	1.51E-04	0.00E+00	0.00E+00
2242	420016.6	3739639.27	6.09E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	1.52E-03	0.00E+00	0.00E+00	7.66E-05	1.49E-04	0.00E+00	0.00E+00
2243	420025.24	3739635.68	5.97E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.49E-03	0.00E+00	0.00E+00	7.51E-05	1.46E-04	0.00E+00	0.00E+00
2244	420033.88	3739632.08	5.84E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.46E-03	0.00E+00	0.00E+00	7.35E-05	1.43E-04	0.00E+00	0.00E+00
2245	420042.53	3739628.49	5.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.42E-03	0.00E+00	0.00E+00	7.18E-05	1.39E-04	0.00E+00	0.00E+00
2246	420051.17	3739624.9	5.57E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.39E-03	0.00E+00	0.00E+00	7.00E-05	1.36E-04	0.00E+00	0.00E+00
2247	420059.81	3739621.3	5.42E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	1.35E-03	0.00E+00	0.00E+00	6.82E-05	1.32E-04	0.00E+00	0.00E+00
2248	419749.7	3739762.71	4.22E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	1.05E-03	0.00E+00	0.00E+00	5.31E-05	1.03E-04	0.00E+00	0.00E+00
2249	419753.19	3739754.18	4.23E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	1.05E-03	0.00E+00	0.00E+00	5.32E-05	1.03E-04	0.00E+00	0.00E+00
2250	419756.68	3739745.65	4.24E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.06E-03	0.00E+00	0.00E+00	5.33E-05	1.03E-04	0.00E+00	0.00E+00
2251	419760.18	3739737.13	4.25E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	1.06E-03	0.00E+00	0.00E+00	5.35E-05	1.04E-04	0.00E+00	0.00E+00
2252	419763.67	3739728.6	4.28E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	1.07E-03	0.00E+00	0.00E+00	5.38E-05	1.04E-04	0.00E+00	0.00E+00
2253	419767.16	3739720.07	4.30E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	1.07E-03	0.00E+00	0.00E+00	5.41E-05	1.05E-04	0.00E+00	0.00E+00
2254	419796.18	3739700.93	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.88E-05	1.14E-04	0.00E+00	0.00E+00
2255	419804.68	3739697.39	4.80E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	1.20E-03	0.00E+00	0.00E+00	6.03E-05	1.17E-04	0.00E+00	0.00E+00
2256	419813.19	3739693.85	4.92E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	1.23E-03	0.00E+00	0.00E+00	6.18E-05	1.20E-04	0.00E+00	0.00E+00
2257	419821.7	3739690.31	5.03E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	1.25E-03	0.00E+00	0.00E+00	6.33E-05	1.23E-04	0.00E+00	0.00E+00
2258	419830.21	3739686.78	5.14E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	1.28E-03	0.00E+00	0.00E+00	6.46E-05	1.25E-04	0.00E+00	0.00E+00
2259	419838.72	3739683.24	5.24E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	1.31E-03	0.00E+00	0.00E+00	6.59E-05	1.28E-04	0.00E+00	0.00E+00
2260	419847.23	3739679.7	5.34E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	1.33E-03	0.00E+00	0.00E+00	6.71E-05	1.30E-04	0.00E+00	0.00E+00
2261	419855.74	3739676.16	5.44E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.35E-03	0.00E+00	0.00E+00	6.84E-05	1.33E-04	0.00E+00	0.00E+00
2262	419864.24	3739672.62	5.53E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.38E-03	0.00E+00	0.00E+00	6.95E-05	1.35E-04	0.00E+00	0.00E+00
2263	419872.75	3739669.09	5.61E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.40E-03	0.00E+00	0.00E+00	7.06E-05	1.37E-04	0.00E+00	0.00E+00
2264	419881.26	3739665.55	5.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.42E-03	0.00E+00	0.00E+00	7.15E-05	1.39E-04	0.00E+00	0.00E+00
2265	419889.77	3739662.01	5.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.43E-03	0.00E+00	0.00E+00	7.24E-05	1.40E-04	0.00E+00	0.00E+00
2266	419898.28	3739658.47	5.81E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.45E-03	0.00E+00	0.00E+00	7.31E-05	1.42E-04	0.00E+00	0.00E+00
2267	419906.79	3739654.93	5.86E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.46E-03	0.00E+00	0.00E+00	7.37E-05	1.43E-04	0.00E+00	0.00E+00
2268	419915.3	3739651.4	5.89E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.47E-03	0.00E+00	0.00E+00	7.41E-05	1.44E-04	0.00E+00	0.00E+00
2269	419923.8	3739647.86	5.91E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.47E-03	0.00E+00	0.00E+00	7.43E-05	1.44E-04	0.00E+00	0.00E+00
2270	419932.31	3739644.32	5.91E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.47E-03	0.00E+00	0.00E+00	7.44E-05	1.44E-04	0.00E+00	0.00E+00
2271	419940.82	3739640.78	5.91E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.47E-03	0.00E+00	0.00E+00	7.43E-05	1.44E-04	0.00E+00	0.00E+00
2272	419949.33	3739637.24	5.90E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	1.47E-03	0.00E+00	0.00E+00	7.42E-05	1.44E-04	0.00E+00	0.00E+00
2273	419957.84	3739633.71	5.88E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.47E-03	0.00E+00	0.00E+00	7.40E-05	1.44E-04	0.00E+00	0.00E+00
2274	419966.35	3739630.17	5.85E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.46E-03	0.00E+00	0.00E+00	7.36E-05	1.43E-04	0.00E+00	0.00E+00
2275	419974.86	3739626.63	5.81E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.45E-03	0.00E+00	0.00E+00	7.30E-05	1.42E-04	0.00E+00	0.00E+00
2276	419983.36	3739623.09	5.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.43E-03	0.00E+00	0.00E+00	7.23E-05	1.40E-04	0.00E+00	0.00E+00
2277	419991.87	3739619.55	5.68E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.42E-03	0.00E+00	0.00E+00	7.15E-05	1.39E-04	0.00E+00	0.00E+00
2278	420000.38	3739616.01	5.60E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.40E-03	0.00E+00	0.00E+00	7.05E-05	1.37E-04	0.00E+00	0.00E+00
2279	420008.89	3739612.48	5.51E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.37E-03	0.00E+00	0.00E+00	6.93E-05	1.35E-04	0.00E+00	0.00E+00
2280	420017.4	3739608.94	5.41E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	1.35E-03	0.00E+00	0.00E+00	6.81E-05	1.32E-04	0.00E+00	0.00E+00
2281	420025.91	3739605.4	5.31E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	1.32E-03	0.00E+00	0.00E+00	6.67E-05	1.29E-04	0.00E+00	0.00E+00
2282	420034.42	3739601.86	5.19E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	1.29E-03	0.00E+00	0.00E+00	6.53E-05	1.27E-04	0.00E+00	0.00E+00
2283	420042.92	3739598.32	5.07E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	1.26E-03	0.00E+00	0.00E+00	6.38E-05	1.24E-04	0.00E+00	0.00E+00
2284	420051.43	3739594.79	4.94E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	1.23E-03	0.00E+00	0.00E+00	6.22E-05	1.21E-04	0.00E+00	0.00E+00
2285	420059.94	3739591.25	4.82E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	1.20E-03	0.00E+00	0.00E+00	6.06E-05	1.18E-04	0.00E+00	0.00E+00
2286	419721.07	3739759.53	3.81E-04	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	9.49E-04	0.00E+00	0.00E+00	4.79E-05	9.29E-05	0.00E+00	0.00E+00
2287	419724.61	3739750.89	3.82E-04	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.51E-04	0.00E+00	0.00E+00	4.80E-05	9.31E-05	0.00E+00	0.00E+00
2288	419728.15	3739742.25	3.82E-04	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.52E-04	0.00E+00	0.00E+00	4.80E-05	9.32E-05	0.00E+00	0.00E+00
2289	419731.69	3739733.6	3.83E-04	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.56E-04	0.00E+00	0.00E+00	4.82E-05	9.36E-05	0.00E+00	0.00E+00
2290	419735.22	3739724.96	3.85E-04	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	9.60E-04	0.00E+00	0.00E+00	4.85E-05	9.40E-05	0.00E+00	0.00E+00
2291	419738.76	3739716.32	3.87E-04	9.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	9.65E-04	0.00E+00	0.00E+00	4.87E-05	9.45E-05	0.00E+00	0.00E+00
2292	419742.3	3739707.67	3.89E-04	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	9.69E-04	0.00E+00	0.00E+00	4.89E-05	9.48E-05	0.00E+00	0.00E+00

2307	419887.36	3739633.01	5.30E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	1.32E-03	0.00E+00	0.00E+00	6.66E-05	1.29E-04	0.00E+00	0.00E+00
2308	419895.98	3739629.43	5.33E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	1.33E-03	0.00E+00	0.00E+00	6.71E-05	1.30E-04	0.00E+00	0.00E+00
2309	419904.6	3739625.84	5.36E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	1.34E-03	0.00E+00	0.00E+00	6.74E-05	1.31E-04	0.00E+00	0.00E+00
2310	419913.23	3739622.26	5.38E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	1.34E-03	0.00E+00	0.00E+00	6.76E-05	1.31E-04	0.00E+00	0.00E+00
2311	419921.85	3739618.67	5.38E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	1.34E-03	0.00E+00	0.00E+00	6.77E-05	1.31E-04	0.00E+00	0.00E+00
2312	419930.47	3739615.08	5.38E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	1.34E-03	0.00E+00	0.00E+00	6.77E-05	1.31E-04	0.00E+00	0.00E+00
2313	419939.1	3739611.5	5.37E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	1.34E-03	0.00E+00	0.00E+00	6.76E-05	1.31E-04	0.00E+00	0.00E+00
2314	419947.72	3739607.91	5.35E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	1.33E-03	0.00E+00	0.00E+00	6.73E-05	1.31E-04	0.00E+00	0.00E+00
2315	419956.34	3739604.33	5.32E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	1.33E-03	0.00E+00	0.00E+00	6.70E-05	1.30E-04	0.00E+00	0.00E+00
2316	419964.97	3739600.74	5.28E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	1.32E-03	0.00E+00	0.00E+00	6.65E-05	1.29E-04	0.00E+00	0.00E+00
2317	419973.59	3739597.15	5.23E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	1.30E-03	0.00E+00	0.00E+00	6.58E-05	1.28E-04	0.00E+00	0.00E+00
2318	419982.21	3739593.57	5.18E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	1.29E-03	0.00E+00	0.00E+00	6.51E-05	1.26E-04	0.00E+00	0.00E+00
2319	419990.84	3739589.98	5.10E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	1.27E-03	0.00E+00	0.00E+00	6.42E-05	1.25E-04	0.00E+00	0.00E+00
2320	419999.46	3739586.4	5.02E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	1.25E-03	0.00E+00	0.00E+00	6.32E-05	1.23E-04	0.00E+00	0.00E+00
2321	420008.09	3739582.81	4.93E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	1.23E-03	0.00E+00	0.00E+00	6.21E-05	1.20E-04	0.00E+00	0.00E+00
2322	420016.71	3739579.23	4.84E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	1.21E-03	0.00E+00	0.00E+00	6.09E-05	1.18E-04	0.00E+00	0.00E+00
2323	420025.33	3739575.64	4.74E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	1.18E-03	0.00E+00	0.00E+00	5.96E-05	1.16E-04	0.00E+00	0.00E+00
2324	420033.96	3739572.05	4.63E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	1.15E-03	0.00E+00	0.00E+00	5.83E-05	1.13E-04	0.00E+00	0.00E+00
2325	420042.58	3739568.47	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00
2326	420051.2	3739564.88	4.41E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	1.10E-03	0.00E+00	0.00E+00	5.55E-05	1.08E-04	0.00E+00	0.00E+00
2327	420059.83	3739561.3	4.30E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	1.07E-03	0.00E+00	0.00E+00	5.40E-05	1.05E-04	0.00E+00	0.00E+00
2328	419696.69	3739745.98	3.46E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	8.62E-04	0.00E+00	0.00E+00	4.35E-05	8.44E-05	0.00E+00	0.00E+00
2329	419700.18	3739737.46	3.47E-04	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	8.65E-04	0.00E+00	0.00E+00	4.36E-05	8.47E-05	0.00E+00	0.00E+00
2330	419703.67	3739728.93	3.48E-04	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.69E-04	0.00E+00	0.00E+00	4.38E-05	8.50E-05	0.00E+00	0.00E+00
2331	419707.16	3739720.4	3.50E-04	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	8.72E-04	0.00E+00	0.00E+00	4.40E-05	8.54E-05	0.00E+00	0.00E+00
2332	419710.65	3739711.87	3.51E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.76E-04	0.00E+00	0.00E+00	4.42E-05	8.57E-05	0.00E+00	0.00E+00
2333	419714.14	3739703.34	3.52E-04	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	8.79E-04	0.00E+00	0.00E+00	4.43E-05	8.60E-05	0.00E+00	0.00E+00
2334	419717.63	3739694.82	3.54E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	8.81E-04	0.00E+00	0.00E+00	4.45E-05	8.63E-05	0.00E+00	0.00E+00
2335	419721.12	3739686.29	3.55E-04	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	8.84E-04	0.00E+00	0.00E+00	4.46E-05	8.65E-05	0.00E+00	0.00E+00
2336	419724.62	3739677.76	3.56E-04	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.86E-04	0.00E+00	0.00E+00	4.47E-05	8.68E-05	0.00E+00	0.00E+00
2337	419736.62	3739665.7	3.65E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	9.10E-04	0.00E+00	0.00E+00	4.59E-05	8.91E-05	0.00E+00	0.00E+00
2338	419745.12	3739662.16	3.73E-04	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	9.31E-04	0.00E+00	0.00E+00	4.70E-05	9.11E-05	0.00E+00	0.00E+00
2339	419753.63	3739658.62	3.82E-04	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.52E-04	0.00E+00	0.00E+00	4.80E-05	9.32E-05	0.00E+00	0.00E+00
2340	419762.14	3739655.08	3.90E-04	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	9.73E-04	0.00E+00	0.00E+00	4.91E-05	9.53E-05	0.00E+00	0.00E+00
2341	419796.18	3739640.93	4.24E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.06E-03	0.00E+00	0.00E+00	5.34E-05	1.04E-04	0.00E+00	0.00E+00
2342	419804.68	3739637.39	4.33E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	1.08E-03	0.00E+00	0.00E+00	5.44E-05	1.06E-04	0.00E+00	0.00E+00
2343	419813.19	3739633.85	4.41E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	1.10E-03	0.00E+00	0.00E+00	5.55E-05	1.08E-04	0.00E+00	0.00E+00
2344	419821.7	3739630.31	4.49E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	1.12E-03	0.00E+00	0.00E+00	5.65E-05	1.10E-04	0.00E+00	0.00E+00
2345	419830.21	3739626.78	4.56E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	1.14E-03	0.00E+00	0.00E+00	5.74E-05	1.11E-04	0.00E+00	0.00E+00
2346	419838.72	3739623.24	4.63E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	1.16E-03	0.00E+00	0.00E+00	5.83E-05	1.13E-04	0.00E+00	0.00E+00
2347	419847.23	3739619.7	4.70E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	1.17E-03	0.00E+00	0.00E+00	5.91E-05	1.15E-04	0.00E+00	0.00E+00
2348	419855.74	3739616.16	4.75E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	1.18E-03	0.00E+00	0.00E+00	5.98E-05	1.16E-04	0.00E+00	0.00E+00
2349	419864.24	3739612.62	4.80E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	1.20E-03	0.00E+00	0.00E+00	6.03E-05	1.17E-04	0.00E+00	0.00E+00
2350	419872.75	3739609.09	4.84E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	1.21E-03	0.00E+00	0.00E+00	6.08E-05	1.18E-04	0.00E+00	0.00E+00
2351	419881.26	3739605.55	4.87E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	1.21E-03	0.00E+00	0.00E+00	6.12E-05	1.19E-04	0.00E+00	0.00E+00
2352	419889.77	3739602.01	4.89E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	1.22E-03	0.00E+00	0.00E+00	6.15E-05	1.19E-04	0.00E+00	0.00E+00
2353	419898.28	3739598.47	4.91E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	1.22E-03	0.00E+00	0.00E+00	6.18E-05	1.20E-04	0.00E+00	0.00E+00
2354	419906.79	3739594.93	4.93E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	1.23E-03	0.00E+00	0.00E+00	6.19E-05	1.20E-04	0.00E+00	0.00E+00
2355	419915.3	3739591.4	4.93E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	1.23E-03	0.00E+00	0.00E+00	6.20E-05	1.20E-04	0.00E+00	0.00E+00
2356	419923.8	3739587.86	4.92E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	1.23E-03	0.00E+00	0.00E+00	6.19E-05	1.20E-04	0.00E+00	0.00E+00
2357	419932.31	3739584.32	4.91E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	1.22E-03	0.00E+00	0.00E+00	6.17E-05	1.20E-04	0.00E+00	0.00E+00
2358	419940.82	3739580.78	4.88E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	1.22E-03	0.00E+00	0.00E+00	6.14E-05	1.19E-04	0.00E+00	0.00E+00
2359	419949.33	3739577.24	4.85E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	1.21E-03	0.00E+00	0.00E+00	6.10E-05	1.18E-04	0.00E+00	0.00E+00
2360	419957.84	3739573.71	4.81E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	1.20E-03	0.00E+00	0.00E+00	6.05E-05	1.17E-04	0.00E+00	0.00E+00
2361	419966.35	3739570.17	4.77E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	1.19E-03	0.00E+00	0.00E+00	5.99E-05	1.16E-04	0.00E+00	0.00E+00
2362	419974.86	3739566.63	4.71E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	1.17E-03	0.00E+00	0.00E+00	5.93E-05	1.15E-04	0.00E+00	0.00E+00
2363	419983.36	3739563.09	4.65E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	1.16E-03	0.00E+00	0.00E+00	5.85E-05	1.14E-04	0.00E+00	0.00E+00
2364	419991.87	3739559.55	4.58E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	1.14E-03	0.00E+00	0.00E+00	5.76E-05	1.12E-04	0.00E+00	0.00E+00
2365	420000.38	3739556.01	4.50E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	1.12E-03	0.00E+00	0.00E+00	5.66E-05	1.10E-04	0.00E+00	0.00E+00
2366	420008.89	3739552.48	4.42E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	1.10E-03	0.00E+00	0.00E+00	5.56E-05	1.08E-04	0.00E+00	0.00E+00
2367	420017.4	3739548.94	4.34E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	1.08E-03	0.00E+00	0.00E+00	5.45E-05	1.06E-04	0.00E+00	0.00E+00
2368	420059.94	3739531.25	3.86E-04	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	9.62E-04	0.00E+00	0.00E+00	4.86E-05	9.42E-05	0.00E+00	0.00E+00
2369	419667.97	3739743	3.14E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	7.84E-04	0.00E+00	0.00E+00	3.95E-05	7.67E-05	0.00E+00	0.00E+00
2370	419671.51	3739734.37	3.16E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.87E-04	0.00E+00	0.00E+00	3.97E-05	7.71E-05	0.00E+00	0.00E+00
2371	419675.04	3739725.74	3.17E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	7.91E-04	0.00E+00	0.00E+00	3.99E-05	7.74E-05	0.00E+00	0.00E+00
2372	419678.57	3739717.11	3.19E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	7.94E-04	0.00E+00	0.00E+00	4.01E-05	7.77E-05	0.00E+00	0.00E+00
2373	419682.11	3739708.48	3.20E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.97E-04	0.00E+00	0.00E+00	4.02E-05	7.81E-05	0.00E+00	0.00E+00
2374	419685.64	3739699.85	3.21E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.00E-04	0.00E+00	0.00E+00	4.04E-05	7.83E-05	0.00E+00	0.00E+00
2375	419689.17	3739691.23	3.22E-04	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.02E-04	0.00E+00	0.00E+00	4.05E-05	7.86E-05	0.00E+00	0.00E+00
2376	419692.7	3739682.6	3.23E-04	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.05E-04	0.00E+00	0.00E+00	4.06E-05	7.88E-05	0.00E+00	0.00E+00
2377	419696.24	3739673.97	3.24E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.07E-04	0.00E+00	0.00E+00	4.07E-05	7.90E-05	0.00E+00	0.00E+00
2378	419699.77	3739665.34	3.25E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.09E-04	0.00E+00	0.00E+00	4.08E-05	7.92E-05	0.00E+00	0.00E+00
2379	419703.3	3739656.71	3.26E-04	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	8.11E-04	0.00E+00	0.00E+00	4.09E-05	7.94E-05	0.00E+00	0.00E+00
2380	419715.45	3739644.5	3.34E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	8.32E-04	0.00E+00	0.00E+00	4.20E-05	8.15E-05	0.00E+00	0.00E+00
2381	419724.06	3739640.92	3.42E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	8.52E-04	0.00E+00	0.00E+00	4.30E-05	8.34E-05	0.00E+00	0.00E+00
2382	419732.67	3739637.34	3.49E-04	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	8.71E-04	0.00E+00	0.00E+00	4.40E-05	8.53E-05	0.00E+00	0.00E+00
2383	419741.27	3739633.76	3.57E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	8.90E-04	0.00E+00	0.00E+00	4.49E-05	8.72E-05	0.00E+00	0.00E+00
2384	419749.88	3739630.18	3.65E-04	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	9.09E-04	0.00E+00	0.00E+00	4.59E-05	8.91E-05	0.00E+00	0.00E+00
2385	419758.49	3739626.6	3.73E-04	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	9.29E-04	0.00E+00	0.00E+00	4.69E-05	9.09E-05	0.00E+00	0.00E+00
2386	419767.1	3739623.02	3.80E-04	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	9.48E-04	0.00E+00	0.00E+00	4.78E-05	9.28E-05	0.00E+00	0.00E+00
2387	419792.93	3739612.28	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.05E-05	9.80E-05	0.00E+00	0.00E+00
2388	419801.54	3739608.7	4.08E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	1.02E-03	0.00E+00	0.00E+00	5.14E-05	9.97E-05	0.00E+00	0.00E+00
2389	419810.15	3739605.12	4.15E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	1.03E-03	0.00E+00	0.00E+00	5.22E-05	1.01E-04	0.00E+00	0.00E+00
2390	419818.76	3739601.54	4.21E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	1.05E-03	0.00E+00	0.00E+00	5.29E-05	1.03E-04	0.00E+00	0.00E+00
2391	419827.37	3739597.96	4.26E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	1.06E-03	0.00E+00	0.00E+00	5.36E-05	1.04E-04	0.00E+00	0.00E+00
2392	419835.98	3739594.38	4.32E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	1.08E-03	0.00E+00	0.00E+00	5.43E-05	1.05E-04	0.00E+00	0.00E+00
2393	419844.59	3739590.8	4.36E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	1.09E-03	0.00E+00	0.00E+00	5.49E-05	1.06E-04	0.00E+00	0.00E+00
2394	419853.2	3739587.21	4.40E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	1.10E-03	0.00E+00	0.00E+00	5.54E-05	1.07E-04	0.00E+00	0.00E+00
2395	419861.81	3739583.63	4.44E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	1.11E-03	0.00E+00	0.00E+00	5.58E-05	1.08E-04	0.00E+00	0.00E+00
2396	419870.42	3739580.05	4.47E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	1.11E-03	0.00E+00	0.00E+00	5.62E-05	1.09E-04	0.00E+00	0.00E+00
2397	419879.03	3739576.47	4.49E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	1.12E-03	0.00E+00	0.00E+00	5.65E-05	1.10E-04	0.00E+00	0.00E+00
2398	419887.64	3739572.89	4.51E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	1.12E-03	0.00E+00	0.00E+00	5.67E-05	1.10E-04	0.00E+00	0.00E+00
2399	419896.25	3739569.31	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00
2400	419904.86	3739565.73	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00
2401	419913.47	3739562.15	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.68E-05	1.10E-04	0.00E+00	0.00E+00
2402	419922.08	3739558.57	4.50E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	1.12E-03	0.00E+00	0.00E+00	5.66E-05	1.10E-04	0.00E+00	0.00E+00

2417	419650.65	3739712.2	2.91E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.25E-04	0.00E+00	0.00E+00	3.66E-05	7.09E-05	0.00E+00	0.00E+00
2418	419654.14	3739703.67	2.92E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.27E-04	0.00E+00	0.00E+00	3.67E-05	7.12E-05	0.00E+00	0.00E+00
2419	419657.63	3739695.15	2.93E-04	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.30E-04	0.00E+00	0.00E+00	3.68E-05	7.15E-05	0.00E+00	0.00E+00
2420	419661.13	3739686.62	2.94E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.33E-04	0.00E+00	0.00E+00	3.70E-05	7.17E-05	0.00E+00	0.00E+00
2421	419664.62	3739678.09	2.95E-04	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	7.35E-04	0.00E+00	0.00E+00	3.71E-05	7.20E-05	0.00E+00	0.00E+00
2422	419668.11	3739669.56	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.22E-05	0.00E+00	0.00E+00
2423	419671.6	3739661.04	2.96E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.39E-04	0.00E+00	0.00E+00	3.73E-05	7.23E-05	0.00E+00	0.00E+00
2424	419675.09	3739652.51	2.97E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.40E-04	0.00E+00	0.00E+00	3.73E-05	7.25E-05	0.00E+00	0.00E+00
2425	419678.58	3739643.98	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.74E-05	7.26E-05	0.00E+00	0.00E+00
2426	419682.07	3739635.45	2.98E-04	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.43E-04	0.00E+00	0.00E+00	3.75E-05	7.28E-05	0.00E+00	0.00E+00
2427	419694.07	3739623.39	3.06E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.62E-04	0.00E+00	0.00E+00	3.85E-05	7.46E-05	0.00E+00	0.00E+00
2428	419702.58	3739619.85	3.13E-04	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	7.80E-04	0.00E+00	0.00E+00	3.93E-05	7.63E-05	0.00E+00	0.00E+00
2429	419711.09	3739616.31	3.20E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.97E-04	0.00E+00	0.00E+00	4.02E-05	7.81E-05	0.00E+00	0.00E+00
2430	419719.6	3739612.77	3.27E-04	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	8.15E-04	0.00E+00	0.00E+00	4.11E-05	7.98E-05	0.00E+00	0.00E+00
2431	419728.11	3739609.23	3.34E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	8.32E-04	0.00E+00	0.00E+00	4.20E-05	8.14E-05	0.00E+00	0.00E+00
2432	419736.62	3739605.7	3.40E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	8.49E-04	0.00E+00	0.00E+00	4.28E-05	8.31E-05	0.00E+00	0.00E+00
2433	419745.12	3739602.16	3.47E-04	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	8.65E-04	0.00E+00	0.00E+00	4.37E-05	8.47E-05	0.00E+00	0.00E+00
2434	419753.63	3739598.62	3.54E-04	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	8.82E-04	0.00E+00	0.00E+00	4.45E-05	8.63E-05	0.00E+00	0.00E+00
2435	419762.14	3739595.08	3.60E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.98E-04	0.00E+00	0.00E+00	4.53E-05	8.79E-05	0.00E+00	0.00E+00
2436	419796.18	3739580.93	3.83E-04	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.55E-04	0.00E+00	0.00E+00	4.82E-05	9.35E-05	0.00E+00	0.00E+00
2437	419804.68	3739577.39	3.88E-04	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	9.68E-04	0.00E+00	0.00E+00	4.88E-05	9.48E-05	0.00E+00	0.00E+00
2438	419813.19	3739573.85	3.93E-04	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	9.80E-04	0.00E+00	0.00E+00	4.94E-05	9.59E-05	0.00E+00	0.00E+00
2439	419821.7	3739570.31	3.98E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	9.91E-04	0.00E+00	0.00E+00	5.00E-05	9.70E-05	0.00E+00	0.00E+00
2440	419830.21	3739566.78	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.06E-05	9.81E-05	0.00E+00	0.00E+00
2441	419838.72	3739563.24	4.06E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	1.01E-03	0.00E+00	0.00E+00	5.10E-05	9.91E-05	0.00E+00	0.00E+00
2442	419847.23	3739559.7	4.09E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.02E-03	0.00E+00	0.00E+00	5.15E-05	9.99E-05	0.00E+00	0.00E+00
2443	419855.74	3739556.16	4.12E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	1.03E-03	0.00E+00	0.00E+00	5.18E-05	1.01E-04	0.00E+00	0.00E+00
2444	419864.24	3739552.62	4.14E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	1.03E-03	0.00E+00	0.00E+00	5.21E-05	1.01E-04	0.00E+00	0.00E+00
2445	419915.3	3739531.4	4.14E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	1.03E-03	0.00E+00	0.00E+00	5.21E-05	1.01E-04	0.00E+00	0.00E+00
2446	419923.8	3739527.86	4.12E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	1.03E-03	0.00E+00	0.00E+00	5.18E-05	1.01E-04	0.00E+00	0.00E+00
2447	419932.31	3739524.32	4.09E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.02E-03	0.00E+00	0.00E+00	5.15E-05	9.99E-05	0.00E+00	0.00E+00
2448	419940.82	3739520.78	4.06E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	1.01E-03	0.00E+00	0.00E+00	5.10E-05	9.91E-05	0.00E+00	0.00E+00
2449	419949.33	3739517.24	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.06E-05	9.81E-05	0.00E+00	0.00E+00
2450	419957.84	3739513.71	3.98E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	9.91E-04	0.00E+00	0.00E+00	5.00E-05	9.70E-05	0.00E+00	0.00E+00
2451	419966.35	3739510.17	3.93E-04	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	9.79E-04	0.00E+00	0.00E+00	4.94E-05	9.58E-05	0.00E+00	0.00E+00
2452	419974.86	3739506.63	3.87E-04	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	9.66E-04	0.00E+00	0.00E+00	4.87E-05	9.46E-05	0.00E+00	0.00E+00
2453	419983.36	3739503.09	3.82E-04	9.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.52E-04	0.00E+00	0.00E+00	4.80E-05	9.32E-05	0.00E+00	0.00E+00
2454	419991.87	3739499.55	3.76E-04	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	9.37E-04	0.00E+00	0.00E+00	4.73E-05	9.17E-05	0.00E+00	0.00E+00
2455	420000.38	3739496.01	3.69E-04	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	9.21E-04	0.00E+00	0.00E+00	4.65E-05	9.02E-05	0.00E+00	0.00E+00
2456	420008.89	3739492.48	3.63E-04	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	9.04E-04	0.00E+00	0.00E+00	4.56E-05	8.85E-05	0.00E+00	0.00E+00
2457	420017.4	3739488.94	3.56E-04	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.86E-04	0.00E+00	0.00E+00	4.47E-05	8.68E-05	0.00E+00	0.00E+00
2458	420025.91	3739485.4	3.48E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.68E-04	0.00E+00	0.00E+00	4.38E-05	8.50E-05	0.00E+00	0.00E+00
2459	420034.42	3739481.86	3.41E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.49E-04	0.00E+00	0.00E+00	4.29E-05	8.32E-05	0.00E+00	0.00E+00
2460	420042.92	3739478.32	3.33E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	8.31E-04	0.00E+00	0.00E+00	4.19E-05	8.13E-05	0.00E+00	0.00E+00
2461	420051.43	3739474.79	3.26E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	8.12E-04	0.00E+00	0.00E+00	4.09E-05	7.95E-05	0.00E+00	0.00E+00
2462	420059.94	3739471.25	3.18E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.92E-04	0.00E+00	0.00E+00	4.00E-05	7.76E-05	0.00E+00	0.00E+00
2463	419611.37	3739735.05	2.62E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	6.54E-04	0.00E+00	0.00E+00	3.30E-05	6.40E-05	0.00E+00	0.00E+00
2464	419614.9	3739726.43	2.63E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.57E-04	0.00E+00	0.00E+00	3.31E-05	6.43E-05	0.00E+00	0.00E+00
2465	419618.42	3739717.81	2.65E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.59E-04	0.00E+00	0.00E+00	3.33E-05	6.46E-05	0.00E+00	0.00E+00
2466	419621.95	3739709.19	2.66E-04	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.62E-04	0.00E+00	0.00E+00	3.34E-05	6.48E-05	0.00E+00	0.00E+00
2467	419625.48	3739700.57	2.67E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.65E-04	0.00E+00	0.00E+00	3.35E-05	6.51E-05	0.00E+00	0.00E+00
2468	419629.01	3739691.95	2.68E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.67E-04	0.00E+00	0.00E+00	3.37E-05	6.53E-05	0.00E+00	0.00E+00
2469	419632.54	3739683.34	2.69E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.70E-04	0.00E+00	0.00E+00	3.38E-05	6.56E-05	0.00E+00	0.00E+00
2470	419636.07	3739674.72	2.70E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.72E-04	0.00E+00	0.00E+00	3.39E-05	6.58E-05	0.00E+00	0.00E+00
2471	419639.59	3739666.1	2.71E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.60E-05	0.00E+00	0.00E+00
2472	419643.12	3739657.48	2.71E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.76E-04	0.00E+00	0.00E+00	3.41E-05	6.62E-05	0.00E+00	0.00E+00
2473	419646.65	3739648.86	2.72E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.78E-04	0.00E+00	0.00E+00	3.42E-05	6.64E-05	0.00E+00	0.00E+00
2474	419650.18	3739640.24	2.72E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.79E-04	0.00E+00	0.00E+00	3.43E-05	6.65E-05	0.00E+00	0.00E+00
2475	419653.71	3739631.62	2.73E-04	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	6.80E-04	0.00E+00	0.00E+00	3.43E-05	6.66E-05	0.00E+00	0.00E+00
2476	419657.24	3739623.01	2.73E-04	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	6.81E-04	0.00E+00	0.00E+00	3.44E-05	6.67E-05	0.00E+00	0.00E+00
2477	419660.76	3739614.39	2.74E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.83E-04	0.00E+00	0.00E+00	3.45E-05	6.69E-05	0.00E+00	0.00E+00
2478	419672.89	3739602.19	2.81E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.01E-04	0.00E+00	0.00E+00	3.54E-05	6.86E-05	0.00E+00	0.00E+00
2479	419681.49	3739598.62	2.88E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.17E-04	0.00E+00	0.00E+00	3.62E-05	7.02E-05	0.00E+00	0.00E+00
2480	419690.09	3739595.04	2.94E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.33E-04	0.00E+00	0.00E+00	3.70E-05	7.18E-05	0.00E+00	0.00E+00
2481	419698.69	3739591.47	3.01E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.49E-04	0.00E+00	0.00E+00	3.78E-05	7.34E-05	0.00E+00	0.00E+00
2482	419707.29	3739587.89	3.07E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	7.65E-04	0.00E+00	0.00E+00	3.86E-05	7.49E-05	0.00E+00	0.00E+00
2483	419715.89	3739584.31	3.13E-04	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	7.80E-04	0.00E+00	0.00E+00	3.93E-05	7.63E-05	0.00E+00	0.00E+00
2484	419724.49	3739580.74	3.19E-04	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	7.95E-04	0.00E+00	0.00E+00	4.01E-05	7.78E-05	0.00E+00	0.00E+00
2485	419733.09	3739577.16	3.25E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.10E-04	0.00E+00	0.00E+00	4.09E-05	7.93E-05	0.00E+00	0.00E+00
2486	419741.68	3739573.59	3.31E-04	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.24E-04	0.00E+00	0.00E+00	4.16E-05	8.07E-05	0.00E+00	0.00E+00
2487	419750.28	3739570.01	3.36E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	8.38E-04	0.00E+00	0.00E+00	4.23E-05	8.21E-05	0.00E+00	0.00E+00
2488	419758.88	3739566.44	3.42E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	8.51E-04	0.00E+00	0.00E+00	4.30E-05	8.34E-05	0.00E+00	0.00E+00
2489	419793.28	3739552.13	3.61E-04	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	9.00E-04	0.00E+00	0.00E+00	4.54E-05	8.81E-05	0.00E+00	0.00E+00
2490	419836.27	3739534.25	3.79E-04	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	9.44E-04	0.00E+00	0.00E+00	4.76E-05	9.24E-05	0.00E+00	0.00E+00
2491	419844.87	3739530.68	3.81E-04	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	9.50E-04	0.00E+00	0.00E+00	4.79E-05	9.30E-05	0.00E+00	0.00E+00
2492	419853.47	3739527.1	3.83E-04	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.54E-04	0.00E+00	0.00E+00	4.81E-05	9.34E-05	0.00E+00	0.00E+00
2493	419862.07	3739523.53	3.84E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	9.58E-04	0.00E+00	0.00E+00	4.83E-05	9.38E-05	0.00E+00	0.00E+00
2494	419870.67	3739519.95	3.85E-04	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	9.60E-04	0.00E+00	0.00E+00	4.84E-05	9.40E-05	0.00E+00	0.00E+00
2495	419879.27	3739516.38	3.86E-04	9.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	9.61E-04	0.00E+00	0.00E+00	4.85E-05	9.41E-05	0.00E+00	0.00E+00
2496	419887.87	3739512.8	3.85E-04	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	9.60E-04	0.00E+00	0.00E+00	4.85E-05	9.40E-05	0.00E+00	0.00E+00
2497	419896.47	3739509.22	3.84E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	9.58E-04	0.00E+00	0.00E+00	4.83E-05	9.38E-05	0.00E+00	0.00E+00
2498	419905.07	3739505.65	3.83E-04	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.54E-04	0.00E+00	0.00E+00	4.82E-05	9.34E-05	0.00E+00	0.00E+00
2499	419913.67	3739502.07	3.81E-04	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	9.49E-04	0.00E+00	0.00E+00	4.79E-05	9.29E-05	0.00E+00	0.00E+00
2500	419922.27	3739498.5	3.78E-04	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.43E-04	0.00E+00	0.00E+00	4.76E-05	9.23E-05	0.00E+00	0.00E+00
2501	419930.86	3739494.92	3.75E-04	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	9.35E-04	0.00E+00	0.00E+00	4.72E-05	9.15E-05	0.00E+00	0.00E+00
2502	419939.46	3739491.35	3.71E-04	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	9.26E-04	0.00E+00	0.00E+00	4.67E-05	9.07E-05	0.00E+00	0.00E+00
2503	419948.06	3739487.77	3.68E-04	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	9.16E-04	0.00E+00	0.00E+00	4.62E-05	8.97E-05	0.00E+00	0.00E+00
2504	419956.66	3739484.19	3.63E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	9.05E-04	0.00E+00	0.00E+00	4.57E-05	8.87E-05	0.00E+00	0.00E+00
2505	419965.26	3739480.62	3.58E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.93E-04	0.00E+00	0.00E+00	4.51E-05	8.75E-05	0.00E+00	0.00E+00
2506	419973.86	3739477.04	3.53E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.81E-04	0.00E+00	0.00E+00	4.44E-05	8.63E-05	0.00E+00	0.00E+00
2507	419982.46	3739473.47	3.48E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.68E-04	0.00E+00	0.00E+00	4.38E-05	8.50E-05	0.00E+00	0.00E+00
2508	419991.06	3739469.89	3.43E-04	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.54E-04	0.00E+00	0.00E+00	4.31E-05	8.36E-05	0.00E+00	0.00E+00
2509	419999.66	3739466.32	3.37E-04	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	8.40E-04	0.00E+00	0.00E+00	4.24E-05	8.22E-05	0.00E+00	0.00E+00
2510	420008.26	3739462.74	3.31E-04	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.24E-04	0.00E+00	0.00E+00	4.16E-05	8.07E-05	0.00E+00	0.00E+00
2511	420016.86	3739459.16	3.24E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.08E-04	0.00E+00	0.00E+00	4.08E-05	7.92E-05	0.00E+00	0.00E+00
2512	420025.45	3739455.59	3.18E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.92E-04	0.00E+00	0.00E+00	4.00E-05	7.76E-05	0.00E+00	0.00E+00

2527	419615.09	3739652.84	2.49E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.21E-04	0.00E+00	0.00E+00	3.13E-05	6.08E-05	0.00E+00	0.00E+00
2528	419618.58	3739644.31	2.50E-04	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.23E-04	0.00E+00	0.00E+00	3.14E-05	6.10E-05	0.00E+00	0.00E+00
2529	419622.07	3739635.78	2.51E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.25E-04	0.00E+00	0.00E+00	3.15E-05	6.12E-05	0.00E+00	0.00E+00
2530	419625.56	3739627.25	2.51E-04	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.26E-04	0.00E+00	0.00E+00	3.16E-05	6.13E-05	0.00E+00	0.00E+00
2531	419629.06	3739618.73	2.52E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.27E-04	0.00E+00	0.00E+00	3.16E-05	6.14E-05	0.00E+00	0.00E+00
2532	419632.55	3739610.2	2.52E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.29E-04	0.00E+00	0.00E+00	3.17E-05	6.16E-05	0.00E+00	0.00E+00
2533	419636.04	3739601.67	2.53E-04	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.31E-04	0.00E+00	0.00E+00	3.18E-05	6.18E-05	0.00E+00	0.00E+00
2534	419639.53	3739593.14	2.54E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.33E-04	0.00E+00	0.00E+00	3.19E-05	6.20E-05	0.00E+00	0.00E+00
2535	419651.53	3739581.08	2.60E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.48E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00
2536	419660.04	3739577.54	2.66E-04	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.62E-04	0.00E+00	0.00E+00	3.34E-05	6.48E-05	0.00E+00	0.00E+00
2537	419668.55	3739574	2.71E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.76E-04	0.00E+00	0.00E+00	3.41E-05	6.62E-05	0.00E+00	0.00E+00
2538	419677.06	3739570.46	2.77E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.90E-04	0.00E+00	0.00E+00	3.48E-05	6.76E-05	0.00E+00	0.00E+00
2539	419685.56	3739566.92	2.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	7.04E-04	0.00E+00	0.00E+00	3.55E-05	6.89E-05	0.00E+00	0.00E+00
2540	419694.07	3739563.39	2.88E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.17E-04	0.00E+00	0.00E+00	3.62E-05	7.02E-05	0.00E+00	0.00E+00
2541	419702.58	3739559.85	2.93E-04	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.30E-04	0.00E+00	0.00E+00	3.69E-05	7.15E-05	0.00E+00	0.00E+00
2542	419711.09	3739556.31	2.98E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.44E-04	0.00E+00	0.00E+00	3.75E-05	7.28E-05	0.00E+00	0.00E+00
2543	419719.6	3739552.77	3.04E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.57E-04	0.00E+00	0.00E+00	3.82E-05	7.41E-05	0.00E+00	0.00E+00
2544	419796.18	3739520.93	3.43E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.55E-04	0.00E+00	0.00E+00	4.31E-05	8.37E-05	0.00E+00	0.00E+00
2545	419804.68	3739517.39	3.46E-04	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	8.63E-04	0.00E+00	0.00E+00	4.35E-05	8.45E-05	0.00E+00	0.00E+00
2546	419813.19	3739513.85	3.49E-04	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	8.70E-04	0.00E+00	0.00E+00	4.39E-05	8.52E-05	0.00E+00	0.00E+00
2547	419821.7	3739510.31	3.51E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.76E-04	0.00E+00	0.00E+00	4.42E-05	8.57E-05	0.00E+00	0.00E+00
2548	419830.21	3739506.78	3.53E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.81E-04	0.00E+00	0.00E+00	4.44E-05	8.62E-05	0.00E+00	0.00E+00
2549	419838.72	3739503.24	3.55E-04	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	8.85E-04	0.00E+00	0.00E+00	4.47E-05	8.66E-05	0.00E+00	0.00E+00
2550	419847.23	3739499.7	3.56E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.88E-04	0.00E+00	0.00E+00	4.48E-05	8.69E-05	0.00E+00	0.00E+00
2551	419855.74	3739496.16	3.57E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	8.90E-04	0.00E+00	0.00E+00	4.49E-05	8.72E-05	0.00E+00	0.00E+00
2552	419864.24	3739492.62	3.58E-04	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.92E-04	0.00E+00	0.00E+00	4.50E-05	8.73E-05	0.00E+00	0.00E+00
2553	419872.75	3739489.09	3.58E-04	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.92E-04	0.00E+00	0.00E+00	4.50E-05	8.73E-05	0.00E+00	0.00E+00
2554	419881.26	3739485.55	3.57E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	8.91E-04	0.00E+00	0.00E+00	4.49E-05	8.72E-05	0.00E+00	0.00E+00
2555	419889.77	3739482.01	3.56E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.88E-04	0.00E+00	0.00E+00	4.48E-05	8.70E-05	0.00E+00	0.00E+00
2556	419898.28	3739478.47	3.55E-04	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	8.85E-04	0.00E+00	0.00E+00	4.46E-05	8.66E-05	0.00E+00	0.00E+00
2557	419906.79	3739474.93	3.53E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.80E-04	0.00E+00	0.00E+00	4.44E-05	8.62E-05	0.00E+00	0.00E+00
2558	419915.3	3739471.4	3.51E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.75E-04	0.00E+00	0.00E+00	4.41E-05	8.56E-05	0.00E+00	0.00E+00
2559	419923.8	3739467.86	3.48E-04	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.67E-04	0.00E+00	0.00E+00	4.38E-05	8.49E-05	0.00E+00	0.00E+00
2560	419932.31	3739464.32	3.45E-04	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	8.59E-04	0.00E+00	0.00E+00	4.33E-05	8.41E-05	0.00E+00	0.00E+00
2561	419940.82	3739460.78	3.41E-04	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.50E-04	0.00E+00	0.00E+00	4.29E-05	8.32E-05	0.00E+00	0.00E+00
2562	419949.33	3739457.24	3.37E-04	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	8.40E-04	0.00E+00	0.00E+00	4.24E-05	8.22E-05	0.00E+00	0.00E+00
2563	419957.84	3739453.71	3.33E-04	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	8.29E-04	0.00E+00	0.00E+00	4.18E-05	8.12E-05	0.00E+00	0.00E+00
2564	419966.35	3739450.17	3.28E-04	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	8.18E-04	0.00E+00	0.00E+00	4.13E-05	8.01E-05	0.00E+00	0.00E+00
2565	419974.86	3739446.63	3.23E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.06E-04	0.00E+00	0.00E+00	4.07E-05	7.89E-05	0.00E+00	0.00E+00
2566	419983.36	3739443.09	3.18E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.93E-04	0.00E+00	0.00E+00	4.00E-05	7.77E-05	0.00E+00	0.00E+00
2567	419991.87	3739439.55	3.13E-04	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	7.80E-04	0.00E+00	0.00E+00	3.94E-05	7.64E-05	0.00E+00	0.00E+00
2568	420000.38	3739436.01	3.07E-04	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	7.66E-04	0.00E+00	0.00E+00	3.87E-05	7.50E-05	0.00E+00	0.00E+00
2569	420008.89	3739432.48	3.02E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.53E-04	0.00E+00	0.00E+00	3.80E-05	7.37E-05	0.00E+00	0.00E+00
2570	420017.4	3739428.94	2.96E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.39E-04	0.00E+00	0.00E+00	3.73E-05	7.23E-05	0.00E+00	0.00E+00
2571	420025.91	3739425.4	2.91E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.24E-04	0.00E+00	0.00E+00	3.65E-05	7.09E-05	0.00E+00	0.00E+00
2572	420034.42	3739421.86	2.85E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	7.09E-04	0.00E+00	0.00E+00	3.58E-05	6.95E-05	0.00E+00	0.00E+00
2573	420042.92	3739418.32	2.78E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.94E-04	0.00E+00	0.00E+00	3.50E-05	6.80E-05	0.00E+00	0.00E+00
2574	420051.43	3739414.79	2.72E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.79E-04	0.00E+00	0.00E+00	3.43E-05	6.65E-05	0.00E+00	0.00E+00
2575	420059.94	3739411.25	2.66E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.64E-04	0.00E+00	0.00E+00	3.35E-05	6.50E-05	0.00E+00	0.00E+00
2576	419540.88	3739736.62	2.15E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00
2577	419544.4	3739728.04	2.16E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.39E-04	0.00E+00	0.00E+00	2.72E-05	5.28E-05	0.00E+00	0.00E+00
2578	419547.91	3739719.46	2.17E-04	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.41E-04	0.00E+00	0.00E+00	2.73E-05	5.29E-05	0.00E+00	0.00E+00
2579	419551.42	3739710.88	2.18E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.42E-04	0.00E+00	0.00E+00	2.74E-05	5.31E-05	0.00E+00	0.00E+00
2580	419554.93	3739702.29	2.18E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.44E-04	0.00E+00	0.00E+00	2.75E-05	5.33E-05	0.00E+00	0.00E+00
2581	419558.45	3739693.71	2.19E-04	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.46E-04	0.00E+00	0.00E+00	2.76E-05	5.35E-05	0.00E+00	0.00E+00
2582	419561.96	3739685.13	2.20E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.49E-04	0.00E+00	0.00E+00	2.77E-05	5.37E-05	0.00E+00	0.00E+00
2583	419565.47	3739676.55	2.21E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.51E-04	0.00E+00	0.00E+00	2.78E-05	5.40E-05	0.00E+00	0.00E+00
2584	419568.99	3739667.97	2.22E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	5.53E-04	0.00E+00	0.00E+00	2.79E-05	5.42E-05	0.00E+00	0.00E+00
2585	419572.5	3739659.39	2.23E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.55E-04	0.00E+00	0.00E+00	2.80E-05	5.44E-05	0.00E+00	0.00E+00
2586	419576.01	3739650.8	2.24E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.57E-04	0.00E+00	0.00E+00	2.81E-05	5.46E-05	0.00E+00	0.00E+00
2587	419579.53	3739642.22	2.24E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.59E-04	0.00E+00	0.00E+00	2.82E-05	5.48E-05	0.00E+00	0.00E+00
2588	419583.04	3739633.64	2.25E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.61E-04	0.00E+00	0.00E+00	2.83E-05	5.49E-05	0.00E+00	0.00E+00
2589	419586.55	3739625.06	2.26E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.63E-04	0.00E+00	0.00E+00	2.84E-05	5.51E-05	0.00E+00	0.00E+00
2590	419590.07	3739616.48	2.26E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.64E-04	0.00E+00	0.00E+00	2.85E-05	5.53E-05	0.00E+00	0.00E+00
2591	419593.58	3739607.9	2.27E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.66E-04	0.00E+00	0.00E+00	2.86E-05	5.54E-05	0.00E+00	0.00E+00
2592	419597.09	3739599.32	2.28E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.68E-04	0.00E+00	0.00E+00	2.86E-05	5.56E-05	0.00E+00	0.00E+00
2593	419600.61	3739590.73	2.28E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.69E-04	0.00E+00	0.00E+00	2.87E-05	5.57E-05	0.00E+00	0.00E+00
2594	419604.12	3739582.15	2.29E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.71E-04	0.00E+00	0.00E+00	2.88E-05	5.59E-05	0.00E+00	0.00E+00
2595	419607.63	3739573.57	2.30E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.73E-04	0.00E+00	0.00E+00	2.89E-05	5.61E-05	0.00E+00	0.00E+00
2596	419611.15	3739564.99	2.31E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.75E-04	0.00E+00	0.00E+00	2.90E-05	5.63E-05	0.00E+00	0.00E+00
2597	419623.22	3739552.85	2.36E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.88E-04	0.00E+00	0.00E+00	2.97E-05	5.76E-05	0.00E+00	0.00E+00
2598	419794.46	3739481.64	3.18E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.92E-04	0.00E+00	0.00E+00	4.00E-05	7.76E-05	0.00E+00	0.00E+00
2599	419803.03	3739478.08	3.20E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.97E-04	0.00E+00	0.00E+00	4.02E-05	7.81E-05	0.00E+00	0.00E+00
2600	419811.59	3739474.52	3.22E-04	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.02E-04	0.00E+00	0.00E+00	4.05E-05	7.85E-05	0.00E+00	0.00E+00
2601	419820.15	3739470.96	3.23E-04	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.05E-04	0.00E+00	0.00E+00	4.06E-05	7.88E-05	0.00E+00	0.00E+00
2602	419828.71	3739467.4	3.24E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.08E-04	0.00E+00	0.00E+00	4.08E-05	7.91E-05	0.00E+00	0.00E+00
2603	419837.27	3739463.84	3.25E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.10E-04	0.00E+00	0.00E+00	4.09E-05	7.93E-05	0.00E+00	0.00E+00
2604	419845.84	3739460.28	3.25E-04	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.11E-04	0.00E+00	0.00E+00	4.09E-05	7.94E-05	0.00E+00	0.00E+00
2605	419854.4	3739456.72	3.26E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	8.12E-04	0.00E+00	0.00E+00	4.10E-05	7.95E-05	0.00E+00	0.00E+00
2606	419862.96	3739453.16	3.26E-04	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	8.11E-04	0.00E+00	0.00E+00	4.09E-05	7.94E-05	0.00E+00	0.00E+00
2607	419871.52	3739449.6	3.25E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.10E-04	0.00E+00	0.00E+00	4.09E-05	7.93E-05	0.00E+00	0.00E+00
2608	419880.08	3739446.04	3.24E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.08E-04	0.00E+00	0.00E+00	4.07E-05	7.91E-05	0.00E+00	0.00E+00
2609	419888.65	3739442.48	3.23E-04	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.04E-04	0.00E+00	0.00E+00	4.06E-05	7.87E-05	0.00E+00	0.00E+00
2610	419897.21	3739438.92	3.21E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	7.99E-04	0.00E+00	0.00E+00	4.03E-05	7.83E-05	0.00E+00	0.00E+00
2611	419905.77	3739435.36	3.18E-04	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.94E-04	0.00E+00	0.00E+00	4.01E-05	7.77E-05	0.00E+00	0.00E+00
2612	419914.33	3739431.8	3.16E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.87E-04	0.00E+00	0.00E+00	3.97E-05	7.71E-05	0.00E+00	0.00E+00
2613	419922.89	3739428.24	3.13E-04	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	7.80E-04	0.00E+00	0.00E+00	3.94E-05	7.64E-05	0.00E+00	0.00E+00
2614	419931.46	3739424.68	3.10E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	7.72E-04	0.00E+00	0.00E+00	3.89E-05	7.56E-05	0.00E+00	0.00E+00
2615	419940.02	3739421.11	3.06E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.63E-04	0.00E+00	0.00E+00	3.85E-05	7.47E-05	0.00E+00	0.00E+00
2616	419948.58	3739417.55	3.02E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.53E-04	0.00E+00	0.00E+00	3.80E-05	7.38E-05	0.00E+00	0.00E+00
2617	419957.14	3739413.99	2.98E-04	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.43E-04	0.00E+00	0.00E+00	3.75E-05	7.28E-05	0.00E+00	0.00E+00
2618	419965.7	3739410.43	2.94E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.32E-04	0.00E+00	0.00E+00	3.69E-05	7.17E-05	0.00E+00	0.00E+00
2619	419974.27	3739406.87	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00
2620	419982.83	3739403.31	2.84E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.09E-04	0.00E+00	0.00E+00	3.58E-05	6.94E-05	0.00E+00	0.00E+00
2621	419991.39	3739399.75	2.80E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.97E-04	0.00E+00	0.00E+00	3.52E-05	6.82E-05	0.00E+00	0.00E+00
2622	419999.95	3739396.19	2.75E-04	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	6.85E-04	0.00E+00	0.00E+00	3.45E-05	6.70E-05	0.00E+00	0.00E+00
2623

2637	419533.31	3739657.64	2.00E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.99E-04	0.00E+00	0.00E+00	2.52E-05	4.88E-05	0.00E+00	0.00E+00
2638	419536.84	3739649.01	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.90E-05	0.00E+00	0.00E+00
2639	419540.37	3739640.38	2.01E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.02E-04	0.00E+00	0.00E+00	2.53E-05	4.92E-05	0.00E+00	0.00E+00
2640	419543.9	3739631.75	2.02E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.04E-04	0.00E+00	0.00E+00	2.54E-05	4.93E-05	0.00E+00	0.00E+00
2641	419547.44	3739623.12	2.03E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.05E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00
2642	419550.97	3739614.5	2.04E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00
2643	419554.5	3739605.87	2.04E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.09E-04	0.00E+00	0.00E+00	2.57E-05	4.99E-05	0.00E+00	0.00E+00
2644	419558.03	3739597.24	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.00E-05	0.00E+00	0.00E+00
2645	419561.57	3739588.61	2.06E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.13E-04	0.00E+00	0.00E+00	2.59E-05	5.02E-05	0.00E+00	0.00E+00
2646	419565.1	3739579.98	2.07E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.15E-04	0.00E+00	0.00E+00	2.60E-05	5.04E-05	0.00E+00	0.00E+00
2647	419568.63	3739571.35	2.07E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.17E-04	0.00E+00	0.00E+00	2.61E-05	5.06E-05	0.00E+00	0.00E+00
2648	419572.17	3739562.72	2.08E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.19E-04	0.00E+00	0.00E+00	2.62E-05	5.08E-05	0.00E+00	0.00E+00
2649	419575.7	3739554.09	2.09E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.21E-04	0.00E+00	0.00E+00	2.63E-05	5.10E-05	0.00E+00	0.00E+00
2650	419801.54	3739438.7	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.22E-05	0.00E+00	0.00E+00
2651	419810.15	3739435.12	2.97E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.39E-04	0.00E+00	0.00E+00	3.73E-05	7.24E-05	0.00E+00	0.00E+00
2652	419818.76	3739431.54	2.97E-04	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.41E-04	0.00E+00	0.00E+00	3.74E-05	7.25E-05	0.00E+00	0.00E+00
2653	419827.37	3739427.96	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.74E-05	7.27E-05	0.00E+00	0.00E+00
2654	419835.98	3739424.38	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.75E-05	7.27E-05	0.00E+00	0.00E+00
2655	419844.59	3739420.8	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.74E-05	7.27E-05	0.00E+00	0.00E+00
2656	419853.2	3739417.21	2.97E-04	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.41E-04	0.00E+00	0.00E+00	3.74E-05	7.25E-05	0.00E+00	0.00E+00
2657	419861.81	3739413.63	2.97E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.39E-04	0.00E+00	0.00E+00	3.73E-05	7.24E-05	0.00E+00	0.00E+00
2658	419870.42	3739410.05	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.22E-05	0.00E+00	0.00E+00
2659	419879.03	3739406.47	2.94E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.34E-04	0.00E+00	0.00E+00	3.70E-05	7.18E-05	0.00E+00	0.00E+00
2660	419887.64	3739402.89	2.93E-04	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.29E-04	0.00E+00	0.00E+00	3.68E-05	7.14E-05	0.00E+00	0.00E+00
2661	419896.25	3739399.31	2.91E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.24E-04	0.00E+00	0.00E+00	3.65E-05	7.09E-05	0.00E+00	0.00E+00
2662	419904.86	3739395.73	2.88E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.18E-04	0.00E+00	0.00E+00	3.62E-05	7.03E-05	0.00E+00	0.00E+00
2663	419913.47	3739392.15	2.86E-04	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	7.12E-04	0.00E+00	0.00E+00	3.59E-05	6.97E-05	0.00E+00	0.00E+00
2664	419922.08	3739388.57	2.83E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	7.04E-04	0.00E+00	0.00E+00	3.55E-05	6.90E-05	0.00E+00	0.00E+00
2665	419930.69	3739384.99	2.79E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	6.96E-04	0.00E+00	0.00E+00	3.51E-05	6.82E-05	0.00E+00	0.00E+00
2666	419973.74	3739367.09	2.60E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.49E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00
2667	419982.35	3739363.51	2.56E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.39E-04	0.00E+00	0.00E+00	3.22E-05	6.25E-05	0.00E+00	0.00E+00
2668	419990.96	3739359.93	2.52E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.28E-04	0.00E+00	0.00E+00	3.17E-05	6.15E-05	0.00E+00	0.00E+00
2669	419999.57	3739356.35	2.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.18E-04	0.00E+00	0.00E+00	3.12E-05	6.05E-05	0.00E+00	0.00E+00
2670	420008.18	3739352.77	2.43E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.07E-04	0.00E+00	0.00E+00	3.06E-05	5.94E-05	0.00E+00	0.00E+00
2671	420016.79	3739349.19	2.39E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	5.96E-04	0.00E+00	0.00E+00	3.01E-05	5.83E-05	0.00E+00	0.00E+00
2672	420025.4	3739345.61	2.34E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.84E-04	0.00E+00	0.00E+00	2.95E-05	5.72E-05	0.00E+00	0.00E+00
2673	420034.01	3739342.03	2.30E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.73E-04	0.00E+00	0.00E+00	2.89E-05	5.61E-05	0.00E+00	0.00E+00
2674	420042.62	3739338.45	2.25E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.61E-04	0.00E+00	0.00E+00	2.83E-05	5.49E-05	0.00E+00	0.00E+00
2675	420051.23	3739334.87	2.20E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.49E-04	0.00E+00	0.00E+00	2.77E-05	5.38E-05	0.00E+00	0.00E+00
2676	420059.84	3739331.29	2.16E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00
2677	419458.52	3739742.82	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.29E-05	0.00E+00	0.00E+00
2678	419462.07	3739734.15	1.77E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.40E-04	0.00E+00	0.00E+00	2.22E-05	4.31E-05	0.00E+00	0.00E+00
2679	419465.62	3739725.48	1.77E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.42E-04	0.00E+00	0.00E+00	2.23E-05	4.33E-05	0.00E+00	0.00E+00
2680	419469.18	3739716.81	1.78E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.44E-04	0.00E+00	0.00E+00	2.24E-05	4.35E-05	0.00E+00	0.00E+00
2681	419472.73	3739708.13	1.79E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.45E-04	0.00E+00	0.00E+00	2.25E-05	4.36E-05	0.00E+00	0.00E+00
2682	419476.28	3739699.46	1.79E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.47E-04	0.00E+00	0.00E+00	2.26E-05	4.38E-05	0.00E+00	0.00E+00
2683	419479.83	3739690.79	1.80E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.48E-04	0.00E+00	0.00E+00	2.26E-05	4.39E-05	0.00E+00	0.00E+00
2684	419483.38	3739682.12	1.80E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.50E-04	0.00E+00	0.00E+00	2.27E-05	4.40E-05	0.00E+00	0.00E+00
2685	419486.93	3739673.44	1.81E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.50E-04	0.00E+00	0.00E+00	2.27E-05	4.41E-05	0.00E+00	0.00E+00
2686	419490.48	3739664.77	1.81E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.51E-04	0.00E+00	0.00E+00	2.27E-05	4.41E-05	0.00E+00	0.00E+00
2687	419494.03	3739656.1	1.81E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.51E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00
2688	419497.58	3739647.43	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00
2689	419501.13	3739638.75	1.82E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.53E-04	0.00E+00	0.00E+00	2.29E-05	4.43E-05	0.00E+00	0.00E+00
2690	419504.68	3739630.08	1.82E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.54E-04	0.00E+00	0.00E+00	2.29E-05	4.45E-05	0.00E+00	0.00E+00
2691	419508.23	3739621.41	1.83E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.55E-04	0.00E+00	0.00E+00	2.30E-05	4.46E-05	0.00E+00	0.00E+00
2692	419511.78	3739612.74	1.84E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.58E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00
2693	419515.33	3739604.06	1.85E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.60E-04	0.00E+00	0.00E+00	2.32E-05	4.50E-05	0.00E+00	0.00E+00
2694	419518.88	3739595.39	1.85E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.62E-04	0.00E+00	0.00E+00	2.33E-05	4.53E-05	0.00E+00	0.00E+00
2695	419522.43	3739586.72	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.55E-05	0.00E+00	0.00E+00
2696	419525.98	3739578.05	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
2697	419529.53	3739569.37	1.88E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.68E-04	0.00E+00	0.00E+00	2.36E-05	4.58E-05	0.00E+00	0.00E+00
2698	419533.08	3739560.7	1.88E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.70E-04	0.00E+00	0.00E+00	2.37E-05	4.60E-05	0.00E+00	0.00E+00
2699	419800.21	3739399.25	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00
2700	419808.87	3739395.65	2.74E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.83E-04	0.00E+00	0.00E+00	3.45E-05	6.69E-05	0.00E+00	0.00E+00
2701	419817.52	3739392.05	2.74E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.84E-04	0.00E+00	0.00E+00	3.45E-05	6.69E-05	0.00E+00	0.00E+00
2702	419826.17	3739388.46	2.74E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.83E-04	0.00E+00	0.00E+00	3.45E-05	6.69E-05	0.00E+00	0.00E+00
2703	419834.82	3739384.86	2.74E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.83E-04	0.00E+00	0.00E+00	3.45E-05	6.69E-05	0.00E+00	0.00E+00
2704	419878.09	3739366.87	2.68E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.69E-04	0.00E+00	0.00E+00	3.38E-05	6.55E-05	0.00E+00	0.00E+00
2705	419886.74	3739363.27	2.66E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.64E-04	0.00E+00	0.00E+00	3.35E-05	6.50E-05	0.00E+00	0.00E+00
2706	419895.39	3739359.67	2.64E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.59E-04	0.00E+00	0.00E+00	3.32E-05	6.45E-05	0.00E+00	0.00E+00
2707	419904.05	3739356.07	2.62E-04	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	6.53E-04	0.00E+00	0.00E+00	3.29E-05	6.39E-05	0.00E+00	0.00E+00
2708	419912.7	3739352.47	2.59E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.46E-04	0.00E+00	0.00E+00	3.26E-05	6.33E-05	0.00E+00	0.00E+00
2709	419921.35	3739348.88	2.56E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.39E-04	0.00E+00	0.00E+00	3.22E-05	6.26E-05	0.00E+00	0.00E+00
2710	419930.01	3739345.28	2.53E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.32E-04	0.00E+00	0.00E+00	3.19E-05	6.18E-05	0.00E+00	0.00E+00
2711	419938.66	3739341.68	2.50E-04	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.24E-04	0.00E+00	0.00E+00	3.15E-05	6.11E-05	0.00E+00	0.00E+00
2712	419947.31	3739338.08	2.47E-04	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.15E-04	0.00E+00	0.00E+00	3.11E-05	6.03E-05	0.00E+00	0.00E+00
2713	419955.96	3739334.48	2.43E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.07E-04	0.00E+00	0.00E+00	3.06E-05	5.94E-05	0.00E+00	0.00E+00
2714	419964.62	3739330.89	2.40E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.98E-04	0.00E+00	0.00E+00	3.02E-05	5.85E-05	0.00E+00	0.00E+00
2715	419973.27	3739327.29	2.36E-04	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.88E-04	0.00E+00	0.00E+00	2.97E-05	5.76E-05	0.00E+00	0.00E+00
2716	419981.92	3739323.69	2.32E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.79E-04	0.00E+00	0.00E+00	2.92E-05	5.67E-05	0.00E+00	0.00E+00
2717	419990.57	3739320.09	2.28E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.69E-04	0.00E+00	0.00E+00	2.87E-05	5.58E-05	0.00E+00	0.00E+00
2718	419999.23	3739316.49	2.24E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.60E-04	0.00E+00	0.00E+00	2.82E-05	5.48E-05	0.00E+00	0.00E+00
2719	420007.88	3739312.9	2.20E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.49E-04	0.00E+00	0.00E+00	2.77E-05	5.38E-05	0.00E+00	0.00E+00
2720	420016.53	3739309.3	2.16E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.39E-04	0.00E+00	0.00E+00	2.72E-05	5.28E-05	0.00E+00	0.00E+00
2721	420025.19	3739305.7	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00
2722	420033.84	3739302.1	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00
2723	420042.49	3739298.5	2.04E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.08E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00
2724	420051.14	3739294.91	2.00E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.98E-04	0.00E+00	0.00E+00	2.51E-05	4.87E-05	0.00E+00	0.00E+00
2725	420059.8	3739291.31	1.96E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.87E-04	0.00E+00	0.00E+00	2.46E-05	4.77E-05	0.00E+00	0.00E+00
2726	419424.28	3739728.98	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.95E-05	0.00E+00	0.00E+00
2727	419427.79	3739720.41	1.62E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00
2728	419431.3	3739711.83	1.63E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.06E-04	0.00E+00	0.00E+00	2.05E-05	3.98E-05	0.00E+00	0.00E+00
2729	419434.81	3739703.26	1.64E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.08E-04	0.00E+00	0.00E+00	2.06E-05	3.99E-05	0.00E+00	0.00E+00
2730	419438.32	3739694.69	1.64E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.09E-04	0.00E+00	0.00E+00	2.07E-05	4.01E-05	0.00E+00	0.00E+00
2731	419441.83	3739686.11	1.65E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.11E-04	0.00E+00	0.00E+00	2.07E-05	4.02E-05	0.00E+00	0.00E+00
2732	419445.34	3739677.54	1.65E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.12E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00
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2747	419734.86	3739386.43	2.46E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.14E-04	0.00E+00	0.00E+00	3.10E-05	6.01E-05	0.00E+00	0.00E+00
2748	419743.41	3739382.87	2.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.18E-04	0.00E+00	0.00E+00	3.12E-05	6.05E-05	0.00E+00	0.00E+00
2749	419751.97	3739379.31	2.49E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.21E-04	0.00E+00	0.00E+00	3.13E-05	6.08E-05	0.00E+00	0.00E+00
2750	419760.52	3739375.75	2.50E-04	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.24E-04	0.00E+00	0.00E+00	3.15E-05	6.11E-05	0.00E+00	0.00E+00
2751	419794.73	3739361.53	2.53E-04	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.31E-04	0.00E+00	0.00E+00	3.19E-05	6.18E-05	0.00E+00	0.00E+00
2752	419803.29	3739357.97	2.53E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.32E-04	0.00E+00	0.00E+00	3.19E-05	6.19E-05	0.00E+00	0.00E+00
2753	419811.84	3739354.41	2.53E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.32E-04	0.00E+00	0.00E+00	3.19E-05	6.18E-05	0.00E+00	0.00E+00
2754	419820.4	3739350.86	2.53E-04	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.31E-04	0.00E+00	0.00E+00	3.18E-05	6.18E-05	0.00E+00	0.00E+00
2755	419828.95	3739347.3	2.53E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.29E-04	0.00E+00	0.00E+00	3.18E-05	6.16E-05	0.00E+00	0.00E+00
2756	419837.5	3739343.74	2.52E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.27E-04	0.00E+00	0.00E+00	3.17E-05	6.14E-05	0.00E+00	0.00E+00
2757	419846.06	3739340.19	2.51E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.25E-04	0.00E+00	0.00E+00	3.15E-05	6.12E-05	0.00E+00	0.00E+00
2758	419854.61	3739336.63	2.49E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.22E-04	0.00E+00	0.00E+00	3.14E-05	6.09E-05	0.00E+00	0.00E+00
2759	419863.16	3739333.07	2.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.18E-04	0.00E+00	0.00E+00	3.12E-05	6.05E-05	0.00E+00	0.00E+00
2760	419871.72	3739329.52	2.46E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.14E-04	0.00E+00	0.00E+00	3.10E-05	6.01E-05	0.00E+00	0.00E+00
2761	419880.27	3739325.96	2.45E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	6.09E-04	0.00E+00	0.00E+00	3.08E-05	5.97E-05	0.00E+00	0.00E+00
2762	419888.82	3739322.4	2.43E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.04E-04	0.00E+00	0.00E+00	3.05E-05	5.92E-05	0.00E+00	0.00E+00
2763	419897.38	3739318.85	2.40E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.99E-04	0.00E+00	0.00E+00	3.02E-05	5.86E-05	0.00E+00	0.00E+00
2764	419905.93	3739315.29	2.38E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.93E-04	0.00E+00	0.00E+00	2.99E-05	5.81E-05	0.00E+00	0.00E+00
2765	419914.49	3739311.73	2.35E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.74E-05	0.00E+00	0.00E+00
2766	419923.04	3739308.18	2.33E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.80E-04	0.00E+00	0.00E+00	2.93E-05	5.68E-05	0.00E+00	0.00E+00
2767	419931.59	3739304.62	2.30E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.73E-04	0.00E+00	0.00E+00	2.89E-05	5.61E-05	0.00E+00	0.00E+00
2768	419940.15	3739301.06	2.27E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.66E-04	0.00E+00	0.00E+00	2.85E-05	5.54E-05	0.00E+00	0.00E+00
2769	419948.7	3739297.51	2.24E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.58E-04	0.00E+00	0.00E+00	2.82E-05	5.46E-05	0.00E+00	0.00E+00
2770	419957.25	3739293.95	2.21E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.50E-04	0.00E+00	0.00E+00	2.78E-05	5.39E-05	0.00E+00	0.00E+00
2771	419965.81	3739290.39	2.17E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.42E-04	0.00E+00	0.00E+00	2.73E-05	5.31E-05	0.00E+00	0.00E+00
2772	419974.36	3739286.83	2.14E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.34E-04	0.00E+00	0.00E+00	2.69E-05	5.22E-05	0.00E+00	0.00E+00
2773	419982.91	3739283.28	2.11E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.25E-04	0.00E+00	0.00E+00	2.65E-05	5.14E-05	0.00E+00	0.00E+00
2774	419991.47	3739279.72	2.07E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.16E-04	0.00E+00	0.00E+00	2.61E-05	5.06E-05	0.00E+00	0.00E+00
2775	420000.02	3739276.16	2.04E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00
2776	420008.57	3739272.61	2.00E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.99E-04	0.00E+00	0.00E+00	2.52E-05	4.88E-05	0.00E+00	0.00E+00
2777	420017.13	3739269.05	1.96E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.90E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00
2778	420025.68	3739265.49	1.93E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.81E-04	0.00E+00	0.00E+00	2.43E-05	4.71E-05	0.00E+00	0.00E+00
2779	420034.24	3739261.94	1.89E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.72E-04	0.00E+00	0.00E+00	2.38E-05	4.62E-05	0.00E+00	0.00E+00
2780	420042.79	3739258.38	1.86E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.63E-04	0.00E+00	0.00E+00	2.33E-05	4.53E-05	0.00E+00	0.00E+00
2781	420051.34	3739254.82	1.82E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.54E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-05	0.00E+00	0.00E+00
2782	420059.9	3739251.27	1.79E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.45E-04	0.00E+00	0.00E+00	2.25E-05	4.36E-05	0.00E+00	0.00E+00
2783	419374.26	3739753.69	1.48E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.69E-04	0.00E+00	0.00E+00	1.86E-05	3.61E-05	0.00E+00	0.00E+00
2784	419377.78	3739745.07	1.48E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.70E-04	0.00E+00	0.00E+00	1.87E-05	3.62E-05	0.00E+00	0.00E+00
2785	419381.31	3739736.46	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00
2786	419384.84	3739727.85	1.49E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.72E-04	0.00E+00	0.00E+00	1.88E-05	3.64E-05	0.00E+00	0.00E+00
2787	419388.36	3739719.23	1.50E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.65E-05	0.00E+00	0.00E+00
2788	419402.47	3739684.78	1.52E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.78E-04	0.00E+00	0.00E+00	1.91E-05	3.70E-05	0.00E+00	0.00E+00
2789	419406	3739676.16	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00
2790	419409.52	3739667.55	1.52E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.80E-04	0.00E+00	0.00E+00	1.92E-05	3.72E-05	0.00E+00	0.00E+00
2791	419413.05	3739658.93	1.53E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.80E-04	0.00E+00	0.00E+00	1.92E-05	3.73E-05	0.00E+00	0.00E+00
2792	419416.58	3739650.32	1.53E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.81E-04	0.00E+00	0.00E+00	1.92E-05	3.73E-05	0.00E+00	0.00E+00
2793	419420.1	3739641.7	1.53E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.82E-04	0.00E+00	0.00E+00	1.93E-05	3.74E-05	0.00E+00	0.00E+00
2794	419423.63	3739633.09	1.53E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.83E-04	0.00E+00	0.00E+00	1.93E-05	3.75E-05	0.00E+00	0.00E+00
2795	419427.15	3739624.48	1.54E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.83E-04	0.00E+00	0.00E+00	1.93E-05	3.75E-05	0.00E+00	0.00E+00
2796	419430.68	3739615.86	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
2797	419434.21	3739607.25	1.55E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.86E-04	0.00E+00	0.00E+00	1.95E-05	3.78E-05	0.00E+00	0.00E+00
2798	419437.73	3739598.63	1.55E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.87E-04	0.00E+00	0.00E+00	1.95E-05	3.79E-05	0.00E+00	0.00E+00
2799	419441.26	3739590.02	1.56E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.89E-04	0.00E+00	0.00E+00	1.96E-05	3.80E-05	0.00E+00	0.00E+00
2800	419444.79	3739581.41	1.57E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
2801	419448.31	3739572.79	1.57E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.92E-04	0.00E+00	0.00E+00	1.98E-05	3.84E-05	0.00E+00	0.00E+00
2802	419451.84	3739564.18	1.58E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.93E-04	0.00E+00	0.00E+00	1.99E-05	3.85E-05	0.00E+00	0.00E+00
2803	419455.37	3739555.56	1.58E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.95E-04	0.00E+00	0.00E+00	1.99E-05	3.87E-05	0.00E+00	0.00E+00
2804	419465.95	3739529.72	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.90E-05	0.00E+00	0.00E+00
2805	419469.47	3739521.11	1.60E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.99E-04	0.00E+00	0.00E+00	2.01E-05	3.91E-05	0.00E+00	0.00E+00
2806	419473	3739512.49	1.61E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.01E-04	0.00E+00	0.00E+00	2.02E-05	3.92E-05	0.00E+00	0.00E+00
2807	419476.53	3739503.88	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.93E-05	0.00E+00	0.00E+00
2808	419480.05	3739495.27	1.62E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.03E-04	0.00E+00	0.00E+00	2.03E-05	3.95E-05	0.00E+00	0.00E+00
2809	419483.58	3739486.65	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00
2810	419487.11	3739478.04	1.63E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.97E-05	0.00E+00	0.00E+00
2811	419490.63	3739469.42	1.63E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.06E-04	0.00E+00	0.00E+00	2.05E-05	3.98E-05	0.00E+00	0.00E+00
2812	419494.16	3739460.81	1.63E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.07E-04	0.00E+00	0.00E+00	2.05E-05	3.99E-05	0.00E+00	0.00E+00
2813	419497.69	3739452.2	1.64E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.08E-04	0.00E+00	0.00E+00	2.06E-05	4.00E-05	0.00E+00	0.00E+00
2814	419690.29	3739364.96	2.23E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.55E-04	0.00E+00	0.00E+00	2.80E-05	5.43E-05	0.00E+00	0.00E+00
2815	419698.89	3739361.38	2.25E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.60E-04	0.00E+00	0.00E+00	2.82E-05	5.48E-05	0.00E+00	0.00E+00
2816	419707.48	3739357.81	2.26E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.64E-04	0.00E+00	0.00E+00	2.85E-05	5.53E-05	0.00E+00	0.00E+00
2817	419716.07	3739354.24	2.28E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.69E-04	0.00E+00	0.00E+00	2.87E-05	5.57E-05	0.00E+00	0.00E+00
2818	419724.67	3739350.66	2.30E-04	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.72E-04	0.00E+00	0.00E+00	2.89E-05	5.60E-05	0.00E+00	0.00E+00
2819	419733.26	3739347.09	2.31E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.75E-04	0.00E+00	0.00E+00	2.90E-05	5.63E-05	0.00E+00	0.00E+00
2820	419741.86	3739343.52	2.32E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.78E-04	0.00E+00	0.00E+00	2.92E-05	5.66E-05	0.00E+00	0.00E+00
2821	419750.45	3739339.94	2.33E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.80E-04	0.00E+00	0.00E+00	2.93E-05	5.68E-05	0.00E+00	0.00E+00
2822	419759.05	3739336.37	2.34E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.82E-04	0.00E+00	0.00E+00	2.94E-05	5.70E-05	0.00E+00	0.00E+00
2823	419793.43	3739322.07	2.35E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.85E-04	0.00E+00	0.00E+00	2.95E-05	5.73E-05	0.00E+00	0.00E+00
2824	419802.02	3739318.5	2.34E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.84E-04	0.00E+00	0.00E+00	2.95E-05	5.72E-05	0.00E+00	0.00E+00
2825	419810.61	3739314.92	2.34E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.83E-04	0.00E+00	0.00E+00	2.94E-05	5.71E-05	0.00E+00	0.00E+00
2826	419819.21	3739311.35	2.33E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.82E-04	0.00E+00	0.00E+00	2.94E-05	5.70E-05	0.00E+00	0.00E+00
2827	419827.8	3739307.78	2.33E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.80E-04	0.00E+00	0.00E+00	2.93E-05	5.68E-05	0.00E+00	0.00E+00
2828	419836.4	3739304.2	2.32E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.78E-04	0.00E+00	0.00E+00	2.91E-05	5.66E-05	0.00E+00	0.00E+00
2829	419844.99	3739300.63	2.31E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.75E-04	0.00E+00	0.00E+00	2.90E-05	5.63E-05	0.00E+00	0.00E+00
2830	419853.59	3739297.06	2.29E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.71E-04	0.00E+00	0.00E+00	2.88E-05	5.59E-05	0.00E+00	0.00E+00
2831	419862.18	3739293.48	2.28E-04	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.67E-04	0.00E+00	0.00E+00	2.86E-05	5.56E-05	0.00E+00	0.00E+00
2832	419870.78	3739289.91	2.26E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.63E-04	0.00E+00	0.00E+00	2.84E-05	5.51E-05	0.00E+00	0.00E+00
2833	419879.37	3739286.33	2.24E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.59E-04	0.00E+00	0.00E+00	2.82E-05	5.47E-05	0.00E+00	0.00E+00
2834	419887.97	3739282.76	2.22E-04	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	5.54E-04	0.00E+00	0.00E+00	2.79E-05	5.42E-05	0.00E+00	0.00E+00
2835	419896.56	3739279.19	2.20E-04	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.48E-04	0.00E+00	0.00E+00	2.77E-05	5.37E-05	0.00E+00	0.00E+00
2836	419905.15	3739275.61	2.18E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.42E-04	0.00E+00	0.00E+00	2.74E-05	5.31E-05	0.00E+00	0.00E+00
2837	419913.75	3739272.04	2.15E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.36E-04	0.00E+00	0.00E+00	2.71E-05	5.25E-05	0.00E+00	0.00E+00
2838	419922.34	3739268.46	2.13E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.30E-04	0.00E+00	0.00E+00	2.67E-05	5.19E-05	0.00E+00	0.00E+00
2839	419930.94	3739264.89	2.10E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.23E-04	0.00E+00	0.00E+00	2.64E-05	5.13E-05	0.00E+00	0.00E+00
2840	419939.53	3739261.32	2.07E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.17E-04	0.00E+00	0.00E+00	2.61E-05	5.06E-05	0.00E+00	0.00E+00
2841	419948.13	3739257.74	2.04E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.09E-04	0.00E+00	0.00E+00	2.57E-05	4.99E-05	0.00E+00	0.00E+00
2842	419956.72	3739254.17	2.01E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.02E-04	0.00E+00	0.00E+00	2.53E-05	4.92E-05	0.00E+00	0.00E+00
2843

2857	419341.8	3739735.48	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.73E-05	3.35E-05	0.00E+00	0.00E+00
2858	419345.34	3739726.83	1.38E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.43E-04	0.00E+00	0.00E+00	1.73E-05	3.36E-05	0.00E+00	0.00E+00
2859	419348.89	3739718.18	1.38E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.44E-04	0.00E+00	0.00E+00	1.74E-05	3.37E-05	0.00E+00	0.00E+00
2860	419352.43	3739709.53	1.38E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.45E-04	0.00E+00	0.00E+00	1.74E-05	3.38E-05	0.00E+00	0.00E+00
2861	419355.97	3739700.87	1.39E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.46E-04	0.00E+00	0.00E+00	1.75E-05	3.39E-05	0.00E+00	0.00E+00
2862	419359.51	3739692.22	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
2863	419363.05	3739683.57	1.39E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.48E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
2864	419366.59	3739674.92	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.41E-05	0.00E+00	0.00E+00
2865	419377.22	3739648.97	1.41E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.51E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00
2866	419380.76	3739640.31	1.41E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.52E-04	0.00E+00	0.00E+00	1.78E-05	3.45E-05	0.00E+00	0.00E+00
2867	419384.3	3739631.66	1.42E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.46E-05	0.00E+00	0.00E+00
2868	419387.85	3739623.01	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00
2869	419391.39	3739614.36	1.43E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.55E-04	0.00E+00	0.00E+00	1.79E-05	3.48E-05	0.00E+00	0.00E+00
2870	419394.93	3739605.71	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00
2871	419398.47	3739597.06	1.44E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.58E-04	0.00E+00	0.00E+00	1.81E-05	3.51E-05	0.00E+00	0.00E+00
2872	419402.01	3739588.41	1.44E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.59E-04	0.00E+00	0.00E+00	1.81E-05	3.52E-05	0.00E+00	0.00E+00
2873	419405.55	3739579.75	1.45E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.61E-04	0.00E+00	0.00E+00	1.82E-05	3.53E-05	0.00E+00	0.00E+00
2874	419409.1	3739571.1	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.83E-05	3.54E-05	0.00E+00	0.00E+00
2875	419412.64	3739562.45	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.55E-05	0.00E+00	0.00E+00
2876	419416.18	3739553.8	1.46E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.64E-04	0.00E+00	0.00E+00	1.84E-05	3.56E-05	0.00E+00	0.00E+00
2877	419423.26	3739536.5	1.47E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.58E-05	0.00E+00	0.00E+00
2878	419426.81	3739527.84	1.47E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.66E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00
2879	419430.35	3739519.19	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00
2880	419433.89	3739510.54	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.60E-05	0.00E+00	0.00E+00
2881	419437.43	3739501.89	1.48E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.69E-04	0.00E+00	0.00E+00	1.86E-05	3.61E-05	0.00E+00	0.00E+00
2882	419440.97	3739493.24	1.48E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.70E-04	0.00E+00	0.00E+00	1.87E-05	3.62E-05	0.00E+00	0.00E+00
2883	419444.51	3739484.59	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.64E-05	0.00E+00	0.00E+00
2884	419448.06	3739475.94	1.49E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.65E-05	0.00E+00	0.00E+00
2885	419451.6	3739467.28	1.50E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.74E-04	0.00E+00	0.00E+00	1.89E-05	3.66E-05	0.00E+00	0.00E+00
2886	419455.14	3739458.63	1.50E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.75E-04	0.00E+00	0.00E+00	1.89E-05	3.67E-05	0.00E+00	0.00E+00
2887	419458.68	3739449.98	1.51E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.76E-04	0.00E+00	0.00E+00	1.90E-05	3.68E-05	0.00E+00	0.00E+00
2888	419462.22	3739441.33	1.51E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.77E-04	0.00E+00	0.00E+00	1.90E-05	3.69E-05	0.00E+00	0.00E+00
2889	419465.77	3739432.68	1.51E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.77E-04	0.00E+00	0.00E+00	1.90E-05	3.69E-05	0.00E+00	0.00E+00
2890	419469.31	3739424.03	1.52E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.78E-04	0.00E+00	0.00E+00	1.91E-05	3.70E-05	0.00E+00	0.00E+00
2891	419481.48	3739411.79	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
2892	419490.11	3739408.2	1.56E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
2893	419498.75	3739404.61	1.59E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.96E-04	0.00E+00	0.00E+00	2.00E-05	3.88E-05	0.00E+00	0.00E+00
2894	419688.65	3739325.64	2.10E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.24E-04	0.00E+00	0.00E+00	2.65E-05	5.13E-05	0.00E+00	0.00E+00
2895	419697.28	3739322.05	2.12E-04	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.28E-04	0.00E+00	0.00E+00	2.66E-05	5.17E-05	0.00E+00	0.00E+00
2896	419705.91	3739318.46	2.13E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.31E-04	0.00E+00	0.00E+00	2.68E-05	5.20E-05	0.00E+00	0.00E+00
2897	419714.54	3739314.87	2.14E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.34E-04	0.00E+00	0.00E+00	2.70E-05	5.23E-05	0.00E+00	0.00E+00
2898	419723.17	3739311.28	2.16E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00
2899	419731.81	3739307.69	2.16E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.39E-04	0.00E+00	0.00E+00	2.72E-05	5.28E-05	0.00E+00	0.00E+00
2900	419740.44	3739304.11	2.17E-04	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.41E-04	0.00E+00	0.00E+00	2.73E-05	5.30E-05	0.00E+00	0.00E+00
2901	419749.07	3739300.52	2.18E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.43E-04	0.00E+00	0.00E+00	2.74E-05	5.31E-05	0.00E+00	0.00E+00
2902	419757.7	3739296.93	2.18E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.43E-04	0.00E+00	0.00E+00	2.74E-05	5.32E-05	0.00E+00	0.00E+00
2903	419766.33	3739293.34	2.18E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.44E-04	0.00E+00	0.00E+00	2.74E-05	5.33E-05	0.00E+00	0.00E+00
2904	419792.23	3739282.57	2.18E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.43E-04	0.00E+00	0.00E+00	2.74E-05	5.32E-05	0.00E+00	0.00E+00
2905	419800.86	3739278.98	2.17E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.42E-04	0.00E+00	0.00E+00	2.73E-05	5.30E-05	0.00E+00	0.00E+00
2906	419809.49	3739275.39	2.17E-04	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.40E-04	0.00E+00	0.00E+00	2.73E-05	5.29E-05	0.00E+00	0.00E+00
2907	419818.13	3739271.8	2.16E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.38E-04	0.00E+00	0.00E+00	2.72E-05	5.27E-05	0.00E+00	0.00E+00
2908	419826.76	3739268.21	2.15E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.36E-04	0.00E+00	0.00E+00	2.70E-05	5.25E-05	0.00E+00	0.00E+00
2909	419835.39	3739264.62	2.14E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.33E-04	0.00E+00	0.00E+00	2.69E-05	5.22E-05	0.00E+00	0.00E+00
2910	419844.02	3739261.03	2.13E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.30E-04	0.00E+00	0.00E+00	2.67E-05	5.19E-05	0.00E+00	0.00E+00
2911	419852.65	3739257.44	2.11E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.26E-04	0.00E+00	0.00E+00	2.65E-05	5.15E-05	0.00E+00	0.00E+00
2912	419861.28	3739253.85	2.09E-04	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.22E-04	0.00E+00	0.00E+00	2.63E-05	5.11E-05	0.00E+00	0.00E+00
2913	419869.92	3739250.27	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00
2914	419878.55	3739246.68	2.06E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.13E-04	0.00E+00	0.00E+00	2.59E-05	5.02E-05	0.00E+00	0.00E+00
2915	419887.18	3739243.09	2.04E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.08E-04	0.00E+00	0.00E+00	2.56E-05	4.98E-05	0.00E+00	0.00E+00
2916	419895.81	3739239.5	2.02E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.03E-04	0.00E+00	0.00E+00	2.54E-05	4.92E-05	0.00E+00	0.00E+00
2917	419904.44	3739235.91	2.00E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.97E-04	0.00E+00	0.00E+00	2.51E-05	4.87E-05	0.00E+00	0.00E+00
2918	419913.08	3739232.32	1.97E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.91E-04	0.00E+00	0.00E+00	2.48E-05	4.81E-05	0.00E+00	0.00E+00
2919	419921.71	3739228.73	1.95E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.85E-04	0.00E+00	0.00E+00	2.45E-05	4.75E-05	0.00E+00	0.00E+00
2920	419930.34	3739225.14	1.92E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.79E-04	0.00E+00	0.00E+00	2.42E-05	4.69E-05	0.00E+00	0.00E+00
2921	419938.97	3739221.55	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00
2922	419947.6	3739217.96	1.87E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.67E-04	0.00E+00	0.00E+00	2.35E-05	4.57E-05	0.00E+00	0.00E+00
2923	419956.24	3739214.37	1.85E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.60E-04	0.00E+00	0.00E+00	2.32E-05	4.50E-05	0.00E+00	0.00E+00
2924	419964.87	3739210.78	1.82E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.53E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-05	0.00E+00	0.00E+00
2925	419973.5	3739207.19	1.79E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.47E-04	0.00E+00	0.00E+00	2.25E-05	4.37E-05	0.00E+00	0.00E+00
2926	419982.13	3739203.6	1.76E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.40E-04	0.00E+00	0.00E+00	2.22E-05	4.31E-05	0.00E+00	0.00E+00
2927	419990.76	3739200.01	1.74E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.33E-04	0.00E+00	0.00E+00	2.18E-05	4.24E-05	0.00E+00	0.00E+00
2928	419999.39	3739196.42	1.71E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.26E-04	0.00E+00	0.00E+00	2.15E-05	4.17E-05	0.00E+00	0.00E+00
2929	420008.03	3739192.84	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
2930	420016.66	3739189.25	1.65E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.11E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00
2931	420025.29	3739185.66	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00
2932	420033.92	3739182.07	1.59E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.97E-04	0.00E+00	0.00E+00	2.00E-05	3.89E-05	0.00E+00	0.00E+00
2933	419295.14	3739751.97	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
2934	419298.7	3739743.29	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00
2935	419302.25	3739734.6	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
2936	419305.81	3739725.92	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00
2937	419309.36	3739717.23	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00
2938	419312.92	3739708.54	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
2939	419316.48	3739699.86	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.13E-05	0.00E+00	0.00E+00
2940	419320.03	3739691.17	1.28E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.20E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
2941	419323.59	3739682.49	1.29E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.21E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
2942	419327.14	3739673.8	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.62E-05	3.15E-05	0.00E+00	0.00E+00
2943	419330.7	3739665.12	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
2944	419334.25	3739656.43	1.30E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.17E-05	0.00E+00	0.00E+00
2945	419337.81	3739647.74	1.30E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.24E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00
2946	419341.37	3739639.06	1.31E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.25E-04	0.00E+00	0.00E+00	1.64E-05	3.19E-05	0.00E+00	0.00E+00
2947	419352.03	3739613	1.32E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.29E-04	0.00E+00	0.00E+00	1.66E-05	3.22E-05	0.00E+00	0.00E+00
2948	419355.59	3739604.31	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00
2949	419359.15	3739595.63	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00
2950	419362.7	3739586.94	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.67E-05	3.25E-05	0.00E+00	0.00E+00
2951	419366.26	3739578.26	1.34E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.33E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00
2952	419369.81	3739569.57	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.69E-05	3.27E-05	0.00E+00	0.00E+00

2967	419430.26	3739421.91	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00
2968	419433.82	3739413.23	1.40E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.50E-04	0.00E+00	0.00E+00	1.77E-05	3.43E-05	0.00E+00	0.00E+00
2969	419437.38	3739404.54	1.41E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.50E-04	0.00E+00	0.00E+00	1.77E-05	3.43E-05	0.00E+00	0.00E+00
2970	419440.93	3739395.85	1.41E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.51E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00
2971	419687.14	3739286.27	1.99E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.95E-04	0.00E+00	0.00E+00	2.50E-05	4.85E-05	0.00E+00	0.00E+00
2972	419695.81	3739282.66	2.00E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.98E-04	0.00E+00	0.00E+00	2.51E-05	4.87E-05	0.00E+00	0.00E+00
2973	419704.47	3739279.06	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.90E-05	0.00E+00	0.00E+00
2974	419713.14	3739275.46	2.02E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.02E-04	0.00E+00	0.00E+00	2.54E-05	4.92E-05	0.00E+00	0.00E+00
2975	419721.8	3739271.85	2.02E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.04E-04	0.00E+00	0.00E+00	2.54E-05	4.94E-05	0.00E+00	0.00E+00
2976	419730.47	3739268.25	2.03E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.06E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00
2977	419739.14	3739264.65	2.03E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.96E-05	0.00E+00	0.00E+00
2978	419747.8	3739261.04	2.03E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00
2979	419756.47	3739257.44	2.04E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00
2980	419765.13	3739253.84	2.04E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00
2981	419799.8	3739239.42	2.02E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.03E-04	0.00E+00	0.00E+00	2.54E-05	4.92E-05	0.00E+00	0.00E+00
2982	419808.47	3739235.82	2.01E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.01E-04	0.00E+00	0.00E+00	2.53E-05	4.90E-05	0.00E+00	0.00E+00
2983	419817.13	3739232.21	2.00E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.98E-04	0.00E+00	0.00E+00	2.51E-05	4.88E-05	0.00E+00	0.00E+00
2984	419825.8	3739228.61	1.99E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.96E-04	0.00E+00	0.00E+00	2.50E-05	4.85E-05	0.00E+00	0.00E+00
2985	419834.46	3739225.01	1.98E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.92E-04	0.00E+00	0.00E+00	2.49E-05	4.82E-05	0.00E+00	0.00E+00
2986	419843.13	3739221.4	1.96E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.89E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00
2987	419851.8	3739217.8	1.95E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.86E-04	0.00E+00	0.00E+00	2.45E-05	4.75E-05	0.00E+00	0.00E+00
2988	419860.46	3739214.2	1.93E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.82E-04	0.00E+00	0.00E+00	2.43E-05	4.71E-05	0.00E+00	0.00E+00
2989	419869.13	3739210.59	1.91E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.77E-04	0.00E+00	0.00E+00	2.41E-05	4.67E-05	0.00E+00	0.00E+00
2990	419877.79	3739206.99	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.38E-05	4.63E-05	0.00E+00	0.00E+00
2991	419886.46	3739203.39	1.88E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.68E-04	0.00E+00	0.00E+00	2.36E-05	4.58E-05	0.00E+00	0.00E+00
2992	419895.13	3739199.78	1.86E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.63E-04	0.00E+00	0.00E+00	2.34E-05	4.53E-05	0.00E+00	0.00E+00
2993	419903.79	3739196.18	1.84E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.58E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00
2994	419912.46	3739192.57	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.43E-05	0.00E+00	0.00E+00
2995	419921.13	3739188.97	1.79E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.47E-04	0.00E+00	0.00E+00	2.25E-05	4.38E-05	0.00E+00	0.00E+00
2996	419929.79	3739185.37	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.23E-05	4.32E-05	0.00E+00	0.00E+00
2997	419938.46	3739181.76	1.75E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.36E-04	0.00E+00	0.00E+00	2.20E-05	4.27E-05	0.00E+00	0.00E+00
2998	419973.12	3739167.35	1.65E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.11E-04	0.00E+00	0.00E+00	2.07E-05	4.03E-05	0.00E+00	0.00E+00
2999	419981.79	3739163.75	1.62E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00
3000	419990.45	3739160.14	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.90E-05	0.00E+00	0.00E+00
3001	419999.12	3739156.54	1.57E-04	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.92E-04	0.00E+00	0.00E+00	1.98E-05	3.84E-05	0.00E+00	0.00E+00
3002	420007.79	3739152.94	1.55E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.86E-04	0.00E+00	0.00E+00	1.95E-05	3.78E-05	0.00E+00	0.00E+00
3003	420016.45	3739149.33	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00
3004	420025.12	3739145.73	1.50E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.65E-05	0.00E+00	0.00E+00
3005	420033.79	3739142.12	1.47E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.66E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00
3006	420042.45	3739138.52	1.44E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.60E-04	0.00E+00	0.00E+00	1.82E-05	3.52E-05	0.00E+00	0.00E+00
3007	420051.12	3739134.92	1.42E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.46E-05	0.00E+00	0.00E+00
3008	420059.78	3739131.31	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
3009	419254.12	3739754.69	1.17E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.92E-04	0.00E+00	0.00E+00	1.47E-05	2.86E-05	0.00E+00	0.00E+00
3010	419257.64	3739746.08	1.17E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
3011	419261.16	3739737.48	1.18E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
3012	419264.69	3739728.88	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.48E-05	2.88E-05	0.00E+00	0.00E+00
3013	419268.21	3739720.28	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.89E-05	0.00E+00	0.00E+00
3014	419271.73	3739711.67	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.89E-05	0.00E+00	0.00E+00
3015	419275.25	3739703.07	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.49E-05	2.90E-05	0.00E+00	0.00E+00
3016	419278.77	3739694.47	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.49E-05	2.90E-05	0.00E+00	0.00E+00
3017	419282.29	3739685.87	1.19E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.97E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
3018	419285.82	3739677.26	1.19E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.97E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
3019	419289.34	3739668.66	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.51E-05	2.92E-05	0.00E+00	0.00E+00
3020	419292.86	3739660.06	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
3021	419296.38	3739651.45	1.20E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	3.00E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
3022	419299.9	3739642.85	1.21E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.00E-04	0.00E+00	0.00E+00	1.52E-05	2.94E-05	0.00E+00	0.00E+00
3023	419303.43	3739634.25	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
3024	419306.95	3739625.65	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.52E-05	2.96E-05	0.00E+00	0.00E+00
3025	419310.47	3739617.04	1.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00
3026	419313.99	3739608.44	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.53E-05	2.98E-05	0.00E+00	0.00E+00
3027	419317.51	3739599.84	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00
3028	419331.6	3739565.43	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.02E-05	0.00E+00	0.00E+00
3029	419335.12	3739556.82	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
3030	419342.17	3739539.62	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00
3031	419345.69	3739531.02	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00
3032	419349.21	3739522.41	1.26E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
3033	419352.73	3739513.81	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
3034	419356.25	3739505.21	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
3035	419359.78	3739496.61	1.27E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00
3036	419363.3	3739488	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
3037	419366.82	3739479.4	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
3038	419370.34	3739470.8	1.27E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.18E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00
3039	419373.86	3739462.2	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
3040	419377.39	3739453.59	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.13E-05	0.00E+00	0.00E+00
3041	419380.91	3739444.99	1.29E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.20E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
3042	419384.43	3739436.39	1.29E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.21E-04	0.00E+00	0.00E+00	1.62E-05	3.15E-05	0.00E+00	0.00E+00
3043	419387.95	3739427.78	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
3044	419391.47	3739419.18	1.30E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.17E-05	0.00E+00	0.00E+00
3045	419394.99	3739410.58	1.30E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.24E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00
3046	419398.52	3739401.98	1.31E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.25E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00
3047	419402.04	3739393.37	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.65E-05	3.19E-05	0.00E+00	0.00E+00
3048	419716.54	3739234.04	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00
3049	419725.12	3739230.47	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00
3050	419733.7	3739226.91	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.65E-05	0.00E+00	0.00E+00
3051	419742.29	3739223.34	1.90E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.75E-04	0.00E+00	0.00E+00	2.39E-05	4.65E-05	0.00E+00	0.00E+00
3052	419750.87	3739219.77	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00
3053	419759.45	3739216.2	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00
3054	419793.79	3739201.92	1.88E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.68E-04	0.00E+00	0.00E+00	2.36E-05	4.58E-05	0.00E+00	0.00E+00
3055	419802.37	3739198.35	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
3056	419810.95	3739194.78	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.54E-05	0.00E+00	0.00E+00
3057	419819.54	3739191.21	1.85E-04	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.61E-04	0.00E+00	0.00E+00	2.33E-05	4.51E-05	0.00E+00	0.00E+00
3058	419828.12	3739187.65	1.84E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.58E-04	0.00E+00	0.00E+00	2.31E-05	4.49E-05	0.00E+00	0.00E+00
3059	419836.7	3739184.08	1.83E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.55E-04	0.00E+00	0.00E+00	2.30E-05	4.46E-05	0.00E+00	0.00E+00
3060	419879.62	3739166.23	1.75E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.35E-04	0.00E+00	0.00E+00	2.19E-05	4.26E-05	0.00E+00	0.00E+00
3061	419888.2	3739162.66	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.17E-05	4.22E-05	0.00E+00	0.00E+00
3062	419896.79	3739159.09	1.71E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.26E-04	0.00E+00	0.00E+00	2.15E-05	4.17E-05	0.00E+00	0.00E+00

3077	420025.53	3739105.56	1.38E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.45E-04	0.00E+00	0.00E+00	1.74E-05	3.37E-05	0.00E+00	0.00E+00
3078	420034.12	3739101.99	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00
3079	420042.7	3739098.42	1.34E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.33E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00
3080	420051.28	3739094.85	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00
3081	420059.87	3739091.28	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.62E-05	3.15E-05	0.00E+00	0.00E+00
3082	419214.53	3739753.91	1.09E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.72E-04	0.00E+00	0.00E+00	1.37E-05	2.66E-05	0.00E+00	0.00E+00
3083	419218.06	3739745.28	1.09E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.72E-04	0.00E+00	0.00E+00	1.37E-05	2.67E-05	0.00E+00	0.00E+00
3084	419221.6	3739736.64	1.10E-04	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.73E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00
3085	419225.13	3739728.01	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00
3086	419228.67	3739719.37	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
3087	419232.2	3739710.73	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
3088	419235.74	3739702.1	1.11E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.76E-04	0.00E+00	0.00E+00	1.39E-05	2.70E-05	0.00E+00	0.00E+00
3089	419239.28	3739693.46	1.11E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.76E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00
3090	419242.81	3739684.83	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00
3091	419246.35	3739676.19	1.11E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
3092	419249.88	3739667.55	1.12E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
3093	419253.42	3739658.92	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.73E-05	0.00E+00	0.00E+00
3094	419256.95	3739650.28	1.12E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.80E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00
3095	419260.49	3739641.65	1.13E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.80E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
3096	419264.02	3739633.01	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
3097	419267.56	3739624.38	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
3098	419271.09	3739615.74	1.13E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
3099	419274.63	3739607.1	1.14E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
3100	419278.17	3739598.47	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
3101	419281.7	3739589.83	1.14E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.85E-04	0.00E+00	0.00E+00	1.44E-05	2.79E-05	0.00E+00	0.00E+00
3102	419285.24	3739581.2	1.15E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.85E-04	0.00E+00	0.00E+00	1.44E-05	2.79E-05	0.00E+00	0.00E+00
3103	419288.77	3739572.56	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00
3104	419292.31	3739563.92	1.15E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.87E-04	0.00E+00	0.00E+00	1.45E-05	2.81E-05	0.00E+00	0.00E+00
3105	419302.91	3739538.02	1.16E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.89E-04	0.00E+00	0.00E+00	1.46E-05	2.83E-05	0.00E+00	0.00E+00
3106	419306.45	3739529.38	1.16E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.90E-04	0.00E+00	0.00E+00	1.46E-05	2.84E-05	0.00E+00	0.00E+00
3107	419309.98	3739520.74	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
3108	419313.52	3739512.11	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
3109	419317.06	3739503.47	1.17E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.92E-04	0.00E+00	0.00E+00	1.47E-05	2.86E-05	0.00E+00	0.00E+00
3110	419320.59	3739494.84	1.18E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
3111	419324.13	3739486.2	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.48E-05	2.88E-05	0.00E+00	0.00E+00
3112	419327.66	3739477.57	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.49E-05	2.88E-05	0.00E+00	0.00E+00
3113	419331.2	3739468.93	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.89E-05	0.00E+00	0.00E+00
3114	419334.73	3739460.29	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.49E-05	2.90E-05	0.00E+00	0.00E+00
3115	419338.27	3739451.66	1.19E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.97E-04	0.00E+00	0.00E+00	1.50E-05	2.90E-05	0.00E+00	0.00E+00
3116	419341.8	3739443.02	1.19E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.97E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
3117	419345.34	3739434.39	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.92E-05	0.00E+00	0.00E+00
3118	419348.87	3739425.75	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
3119	419352.41	3739417.11	1.20E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	3.00E-04	0.00E+00	0.00E+00	1.51E-05	2.94E-05	0.00E+00	0.00E+00
3120	419355.94	3739408.48	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.94E-05	0.00E+00	0.00E+00
3121	419359.48	3739399.84	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00
3122	419363.02	3739391.21	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.52E-05	2.96E-05	0.00E+00	0.00E+00
3123	419715.18	3739194.61	1.79E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.45E-04	0.00E+00	0.00E+00	2.25E-05	4.36E-05	0.00E+00	0.00E+00
3124	419723.8	3739191.02	1.79E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.45E-04	0.00E+00	0.00E+00	2.25E-05	4.36E-05	0.00E+00	0.00E+00
3125	419732.42	3739187.44	1.78E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.45E-04	0.00E+00	0.00E+00	2.24E-05	4.36E-05	0.00E+00	0.00E+00
3126	419801.35	3739158.78	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00
3127	419809.96	3739155.2	1.73E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.32E-04	0.00E+00	0.00E+00	2.18E-05	4.23E-05	0.00E+00	0.00E+00
3128	419818.58	3739151.61	1.72E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.29E-04	0.00E+00	0.00E+00	2.16E-05	4.20E-05	0.00E+00	0.00E+00
3129	419827.19	3739148.03	1.71E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.26E-04	0.00E+00	0.00E+00	2.15E-05	4.17E-05	0.00E+00	0.00E+00
3130	419835.81	3739144.45	1.70E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.23E-04	0.00E+00	0.00E+00	2.13E-05	4.14E-05	0.00E+00	0.00E+00
3131	419844.43	3739140.86	1.68E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.19E-04	0.00E+00	0.00E+00	2.12E-05	4.11E-05	0.00E+00	0.00E+00
3132	419853.04	3739137.28	1.67E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.16E-04	0.00E+00	0.00E+00	2.10E-05	4.07E-05	0.00E+00	0.00E+00
3133	419861.66	3739133.7	1.65E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.12E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00
3134	419870.28	3739130.12	1.64E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.08E-04	0.00E+00	0.00E+00	2.06E-05	3.99E-05	0.00E+00	0.00E+00
3135	419878.89	3739126.53	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.95E-05	0.00E+00	0.00E+00
3136	419887.51	3739122.95	1.60E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.99E-04	0.00E+00	0.00E+00	2.02E-05	3.91E-05	0.00E+00	0.00E+00
3137	419896.12	3739119.37	1.58E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.95E-04	0.00E+00	0.00E+00	1.99E-05	3.87E-05	0.00E+00	0.00E+00
3138	419904.74	3739115.78	1.57E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.91E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
3139	419913.36	3739112.2	1.55E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.86E-04	0.00E+00	0.00E+00	1.95E-05	3.78E-05	0.00E+00	0.00E+00
3140	419921.97	3739108.62	1.53E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.81E-04	0.00E+00	0.00E+00	1.92E-05	3.73E-05	0.00E+00	0.00E+00
3141	419930.59	3739105.04	1.51E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.77E-04	0.00E+00	0.00E+00	1.90E-05	3.69E-05	0.00E+00	0.00E+00
3142	419939.21	3739101.45	1.49E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.72E-04	0.00E+00	0.00E+00	1.88E-05	3.64E-05	0.00E+00	0.00E+00
3143	419947.82	3739097.87	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00
3144	419956.44	3739094.29	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.82E-05	3.54E-05	0.00E+00	0.00E+00
3145	419965.05	3739090.7	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00
3146	419973.67	3739087.12	1.41E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.51E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00
3147	419982.29	3739083.54	1.39E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.46E-04	0.00E+00	0.00E+00	1.75E-05	3.39E-05	0.00E+00	0.00E+00
3148	419990.9	3739079.96	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00
3149	419999.52	3739076.37	1.35E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.36E-04	0.00E+00	0.00E+00	1.69E-05	3.29E-05	0.00E+00	0.00E+00
3150	420008.14	3739072.79	1.33E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.30E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00
3151	420016.75	3739069.21	1.30E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.25E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00
3152	420025.37	3739065.62	1.28E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.20E-04	0.00E+00	0.00E+00	1.61E-05	3.13E-05	0.00E+00	0.00E+00
3153	420033.98	3739062.04	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
3154	420042.6	3739058.46	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
3155	420051.22	3739054.88	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00
3156	420059.83	3739051.29	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
3157	419174.91	3739753.21	1.02E-04	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.54E-04	0.00E+00	0.00E+00	1.28E-05	2.49E-05	0.00E+00	0.00E+00
3158	419178.45	3739744.54	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.28E-05	2.49E-05	0.00E+00	0.00E+00
3159	419182	3739735.88	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
3160	419185.55	3739727.21	1.03E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.56E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00
3161	419189.1	3739718.55	1.03E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.56E-04	0.00E+00	0.00E+00	1.29E-05	2.51E-05	0.00E+00	0.00E+00
3162	419192.65	3739709.88	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
3163	419196.19	3739701.21	1.03E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.58E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00
3164	419199.74	3739692.55	1.04E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.58E-04	0.00E+00	0.00E+00	1.30E-05	2.53E-05	0.00E+00	0.00E+00
3165	419203.29	3739683.88	1.04E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.59E-04	0.00E+00	0.00E+00	1.31E-05	2.54E-05	0.00E+00	0.00E+00
3166	419206.84	3739675.21	1.04E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.60E-04	0.00E+00	0.00E+00	1.31E-05	2.54E-05	0.00E+00	0.00E+00
3167	419210.39	3739666.55	1.04E-04	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.60E-04	0.00E+00	0.00E+00	1.31E-05	2.55E-05	0.00E+00	0.00E+00
3168	419213.93	3739657.88	1.05E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.61E-04	0.00E+00	0.00E+00	1.32E-05	2.55E-05	0.00E+00	0.00E+00
3169	419217.48	3739649.21	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.56E-05	0.00E+00	0.00E+00
3170	419221.03	3739640.55	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.57E-05	0.00E+00	0.00E+00
3171	419224.58	3739631.88	1.05E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.63E-04	0.00E+00	0.00E+00	1.33E-05	2.57E-05	0.00E+00	0.00E+00
3172	419228.13	3739623.21	1.06E-04	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.63E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00

3187	419288.44	3739475.88	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00
3188	419291.99	3739467.21	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
3189	419295.54	3739458.55	1.11E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.76E-04	0.00E+00	0.00E+00	1.39E-05	2.70E-05	0.00E+00	0.00E+00
3190	419299.09	3739449.88	1.11E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.76E-04	0.00E+00	0.00E+00	1.39E-05	2.71E-05	0.00E+00	0.00E+00
3191	419302.63	3739441.21	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00
3192	419306.18	3739432.55	1.12E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
3193	419309.73	3739423.88	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.73E-05	0.00E+00	0.00E+00
3194	419313.28	3739415.22	1.12E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.80E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00
3195	419316.83	3739406.55	1.12E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.80E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00
3196	419320.37	3739397.88	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
3197	419323.92	3739389.22	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
3198	419679.34	3739169.51	1.67E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.17E-04	0.00E+00	0.00E+00	2.10E-05	4.08E-05	0.00E+00	0.00E+00
3199	419687.99	3739165.92	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
3200	419696.63	3739162.32	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
3201	419705.28	3739158.73	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
3202	419713.93	3739155.13	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
3203	419722.57	3739151.53	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
3204	419731.22	3739147.94	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
3205	419739.87	3739144.34	1.67E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.17E-04	0.00E+00	0.00E+00	2.10E-05	4.08E-05	0.00E+00	0.00E+00
3206	419748.51	3739140.75	1.67E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.16E-04	0.00E+00	0.00E+00	2.10E-05	4.07E-05	0.00E+00	0.00E+00
3207	419757.16	3739137.15	1.66E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.14E-04	0.00E+00	0.00E+00	2.09E-05	4.06E-05	0.00E+00	0.00E+00
3208	419791.75	3739122.77	1.63E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.07E-04	0.00E+00	0.00E+00	2.06E-05	3.99E-05	0.00E+00	0.00E+00
3209	419800.4	3739119.17	1.63E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.97E-05	0.00E+00	0.00E+00
3210	419809.04	3739115.58	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
3211	419817.69	3739111.98	1.60E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	4.00E-04	0.00E+00	0.00E+00	2.02E-05	3.91E-05	0.00E+00	0.00E+00
3212	419826.34	3739108.39	1.59E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.97E-04	0.00E+00	0.00E+00	2.00E-05	3.88E-05	0.00E+00	0.00E+00
3213	419834.98	3739104.79	1.58E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.94E-04	0.00E+00	0.00E+00	1.99E-05	3.85E-05	0.00E+00	0.00E+00
3214	419843.63	3739101.2	1.57E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
3215	419852.28	3739097.6	1.55E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.87E-04	0.00E+00	0.00E+00	1.95E-05	3.79E-05	0.00E+00	0.00E+00
3216	419860.92	3739094	1.54E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.83E-04	0.00E+00	0.00E+00	1.93E-05	3.75E-05	0.00E+00	0.00E+00
3217	419869.57	3739090.41	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00
3218	419878.22	3739086.81	1.51E-04	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.75E-04	0.00E+00	0.00E+00	1.89E-05	3.68E-05	0.00E+00	0.00E+00
3219	419886.86	3739083.22	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.64E-05	0.00E+00	0.00E+00
3220	419895.51	3739079.62	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.60E-05	0.00E+00	0.00E+00
3221	419904.16	3739076.03	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.55E-05	0.00E+00	0.00E+00
3222	419912.81	3739072.43	1.44E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.59E-04	0.00E+00	0.00E+00	1.81E-05	3.51E-05	0.00E+00	0.00E+00
3223	419921.45	3739068.84	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00
3224	419930.1	3739065.24	1.40E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.50E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00
3225	419938.75	3739061.64	1.38E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.45E-04	0.00E+00	0.00E+00	1.74E-05	3.38E-05	0.00E+00	0.00E+00
3226	419947.39	3739058.05	1.36E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.40E-04	0.00E+00	0.00E+00	1.72E-05	3.33E-05	0.00E+00	0.00E+00
3227	419956.04	3739054.45	1.35E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00
3228	419964.69	3739050.86	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00
3229	419973.33	3739047.26	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.65E-05	3.19E-05	0.00E+00	0.00E+00
3230	419981.98	3739043.67	1.29E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.21E-04	0.00E+00	0.00E+00	1.62E-05	3.15E-05	0.00E+00	0.00E+00
3231	419990.63	3739040.07	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00
3232	419999.27	3739036.47	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00
3233	420007.92	3739032.88	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.01E-05	0.00E+00	0.00E+00
3234	420016.57	3739029.28	1.22E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.97E-05	0.00E+00	0.00E+00
3235	420025.22	3739025.69	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.92E-05	0.00E+00	0.00E+00
3236	420033.86	3739022.09	1.18E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
3237	420042.51	3739018.5	1.16E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.89E-04	0.00E+00	0.00E+00	1.46E-05	2.83E-05	0.00E+00	0.00E+00
3238	420051.16	3739014.9	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
3239	420059.8	3739011.31	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00
3240	419622.07	3740848.73	1.32E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.29E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00
3241	419612.31	3740847.4	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00
3242	419602.55	3740846.08	1.30E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.25E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00
3243	419592.79	3740844.75	1.29E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
3244	419583.04	3740843.42	1.29E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.20E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
3245	419573.28	3740842.09	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
3246	419558.95	3740832.04	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.13E-05	0.00E+00	0.00E+00
3247	419554.39	3740823.31	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
3248	419628.08	3740885.42	1.26E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
3249	419618.36	3740884.1	1.25E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.11E-04	0.00E+00	0.00E+00	1.57E-05	3.04E-05	0.00E+00	0.00E+00
3250	419608.63	3740882.77	1.24E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.08E-04	0.00E+00	0.00E+00	1.56E-05	3.02E-05	0.00E+00	0.00E+00
3251	419598.9	3740881.45	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00
3252	419589.18	3740880.12	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00
3253	419579.45	3740878.8	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00
3254	419569.72	3740877.48	1.20E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	3.00E-04	0.00E+00	0.00E+00	1.51E-05	2.94E-05	0.00E+00	0.00E+00
3255	419560	3740876.15	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.51E-05	2.92E-05	0.00E+00	0.00E+00
3256	419550.27	3740874.83	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.49E-05	2.90E-05	0.00E+00	0.00E+00
3257	419535.99	3740864.81	1.19E-04	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.97E-04	0.00E+00	0.00E+00	1.50E-05	2.91E-05	0.00E+00	0.00E+00
3258	419531.44	3740856.11	1.20E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	3.00E-04	0.00E+00	0.00E+00	1.51E-05	2.94E-05	0.00E+00	0.00E+00
3259	419526.89	3740847.41	1.22E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.97E-05	0.00E+00	0.00E+00
3260	419522.33	3740838.71	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	3.00E-05	0.00E+00	0.00E+00
3261	419517.78	3740830.02	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.02E-05	0.00E+00	0.00E+00
3262	419513.23	3740821.32	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00
3263	419625.44	3740920.93	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.50E-05	2.90E-05	0.00E+00	0.00E+00
3264	419615.64	3740919.6	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.48E-05	2.88E-05	0.00E+00	0.00E+00
3265	419605.83	3740918.26	1.17E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.92E-04	0.00E+00	0.00E+00	1.47E-05	2.86E-05	0.00E+00	0.00E+00
3266	419596.02	3740916.93	1.16E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.90E-04	0.00E+00	0.00E+00	1.46E-05	2.84E-05	0.00E+00	0.00E+00
3267	419586.21	3740915.59	1.15E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.88E-04	0.00E+00	0.00E+00	1.45E-05	2.82E-05	0.00E+00	0.00E+00
3268	419576.41	3740914.25	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00
3269	419566.6	3740912.92	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
3270	419556.79	3740911.58	1.13E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
3271	419546.98	3740910.25	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
3272	419537.18	3740908.91	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.73E-05	0.00E+00	0.00E+00
3273	419527.37	3740907.58	1.11E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00
3274	419512.97	3740897.47	1.12E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.73E-05	0.00E+00	0.00E+00
3275	419508.38	3740888.7	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00
3276	419503.79	3740879.93	1.14E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
3277	419499.2	3740871.16	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00
3278	419494.61	3740862.39	1.16E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.88E-04	0.00E+00	0.00E+00	1.45E-05	2.82E-05	0.00E+00	0.00E+00
3279	419490.02	3740853.63	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
3280	419485.43	3740844.86	1.18E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00
3281	419480.85	3740836.09	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.49E-05	2.90E-05	0.00E+00	0.00E+00
3282	419476.26	3740827.32	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
3283

3297	419490.01	3740930.24	1.05E-04	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	2.62E-04	0.00E+00	0.00E+00	1.32E-05	2.56E-05	0.00E+00	0.00E+00
3298	419485.43	3740921.5	1.06E-04	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.64E-04	0.00E+00	0.00E+00	1.33E-05	2.58E-05	0.00E+00	0.00E+00
3299	419480.86	3740912.76	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.60E-05	0.00E+00	0.00E+00
3300	419476.28	3740904.02	1.08E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.68E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00
3301	419471.71	3740895.27	1.08E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.70E-04	0.00E+00	0.00E+00	1.36E-05	2.65E-05	0.00E+00	0.00E+00
3302	419467.13	3740886.53	1.09E-04	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.72E-04	0.00E+00	0.00E+00	1.37E-05	2.67E-05	0.00E+00	0.00E+00
3303	419462.56	3740877.79	1.10E-04	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.75E-04	0.00E+00	0.00E+00	1.39E-05	2.69E-05	0.00E+00	0.00E+00
3304	419457.98	3740869.05	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00
3305	419453.41	3740860.3	1.12E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.79E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00
3306	419448.83	3740851.56	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
3307	419444.25	3740842.82	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
3308	419439.68	3740834.08	1.15E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.87E-04	0.00E+00	0.00E+00	1.45E-05	2.81E-05	0.00E+00	0.00E+00
3309	419435.1	3740825.34	1.16E-04	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.89E-04	0.00E+00	0.00E+00	1.46E-05	2.83E-05	0.00E+00	0.00E+00
3310	420841.38	3740092.79	3.31E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.25E-04	0.00E+00	0.00E+00	4.16E-05	8.08E-05	0.00E+00	0.00E+00
3311	420836.09	3740109.65	3.50E-04	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	8.71E-04	0.00E+00	0.00E+00	4.40E-05	8.53E-05	0.00E+00	0.00E+00
3312	420830.81	3740126.52	3.68E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	9.17E-04	0.00E+00	0.00E+00	4.63E-05	8.98E-05	0.00E+00	0.00E+00
3313	420825.52	3740143.38	3.87E-04	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	9.66E-04	0.00E+00	0.00E+00	4.87E-05	9.45E-05	0.00E+00	0.00E+00
3314	420886.62	3740075.87	2.81E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.01E-04	0.00E+00	0.00E+00	3.54E-05	6.87E-05	0.00E+00	0.00E+00
3315	420883.93	3740084.44	2.90E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.23E-04	0.00E+00	0.00E+00	3.65E-05	7.08E-05	0.00E+00	0.00E+00
3316	420878.56	3740101.58	3.08E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	7.67E-04	0.00E+00	0.00E+00	3.87E-05	7.51E-05	0.00E+00	0.00E+00
3317	420875.88	3740110.14	3.16E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.89E-04	0.00E+00	0.00E+00	3.98E-05	7.72E-05	0.00E+00	0.00E+00
3318	420870.51	3740127.28	3.35E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	8.34E-04	0.00E+00	0.00E+00	4.21E-05	8.17E-05	0.00E+00	0.00E+00
3319	420865.14	3740144.42	3.52E-04	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	8.77E-04	0.00E+00	0.00E+00	4.43E-05	8.59E-05	0.00E+00	0.00E+00
3320	420859.77	3740161.56	3.70E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	9.22E-04	0.00E+00	0.00E+00	4.65E-05	9.03E-05	0.00E+00	0.00E+00
3321	420857.08	3740170.13	3.80E-04	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	9.47E-04	0.00E+00	0.00E+00	4.78E-05	9.27E-05	0.00E+00	0.00E+00
3322	420851.71	3740187.26	4.00E-04	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	9.98E-04	0.00E+00	0.00E+00	5.04E-05	9.77E-05	0.00E+00	0.00E+00
3323	420846.34	3740204.4	4.20E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	1.05E-03	0.00E+00	0.00E+00	5.28E-05	1.03E-04	0.00E+00	0.00E+00
3324	420840.97	3740221.54	4.39E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	1.09E-03	0.00E+00	0.00E+00	5.52E-05	1.07E-04	0.00E+00	0.00E+00
3325	420835.6	3740238.67	4.57E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	1.14E-03	0.00E+00	0.00E+00	5.75E-05	1.12E-04	0.00E+00	0.00E+00
3326	420830.23	3740255.81	4.74E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	1.18E-03	0.00E+00	0.00E+00	5.97E-05	1.16E-04	0.00E+00	0.00E+00
3327	420827.54	3740264.38	4.83E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	1.20E-03	0.00E+00	0.00E+00	6.07E-05	1.18E-04	0.00E+00	0.00E+00
3328	420926.63	3740075.62	2.55E-04	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.36E-04	0.00E+00	0.00E+00	3.21E-05	6.23E-05	0.00E+00	0.00E+00
3329	420923.96	3740084.14	2.63E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.54E-04	0.00E+00	0.00E+00	3.30E-05	6.41E-05	0.00E+00	0.00E+00
3330	420918.63	3740101.17	2.78E-04	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.92E-04	0.00E+00	0.00E+00	3.49E-05	6.78E-05	0.00E+00	0.00E+00
3331	420913.29	3740118.21	2.93E-04	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.31E-04	0.00E+00	0.00E+00	3.69E-05	7.16E-05	0.00E+00	0.00E+00
3332	420907.95	3740135.24	3.09E-04	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	7.71E-04	0.00E+00	0.00E+00	3.89E-05	7.55E-05	0.00E+00	0.00E+00
3333	420902.61	3740152.28	3.25E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.10E-04	0.00E+00	0.00E+00	4.09E-05	7.93E-05	0.00E+00	0.00E+00
3334	420897.27	3740169.31	3.41E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.49E-04	0.00E+00	0.00E+00	4.29E-05	8.32E-05	0.00E+00	0.00E+00
3335	420891.94	3740186.35	3.57E-04	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	8.90E-04	0.00E+00	0.00E+00	4.49E-05	8.71E-05	0.00E+00	0.00E+00
3336	420886.6	3740203.38	3.73E-04	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	9.31E-04	0.00E+00	0.00E+00	4.70E-05	9.11E-05	0.00E+00	0.00E+00
3337	420881.26	3740220.41	3.90E-04	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	9.72E-04	0.00E+00	0.00E+00	4.91E-05	9.52E-05	0.00E+00	0.00E+00
3338	420875.92	3740237.45	4.08E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	1.02E-03	0.00E+00	0.00E+00	5.13E-05	9.95E-05	0.00E+00	0.00E+00
3339	420870.58	3740254.48	4.24E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.06E-03	0.00E+00	0.00E+00	5.34E-05	1.04E-04	0.00E+00	0.00E+00
3340	420865.25	3740271.52	4.39E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	1.09E-03	0.00E+00	0.00E+00	5.52E-05	1.07E-04	0.00E+00	0.00E+00
3341	420859.91	3740288.55	4.53E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00
3342	420854.57	3740305.59	4.65E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	1.16E-03	0.00E+00	0.00E+00	5.84E-05	1.13E-04	0.00E+00	0.00E+00
3343	420849.23	3740322.62	4.75E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	1.18E-03	0.00E+00	0.00E+00	5.98E-05	1.16E-04	0.00E+00	0.00E+00
3344	420846.56	3740331.14	4.80E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	1.20E-03	0.00E+00	0.00E+00	6.04E-05	1.17E-04	0.00E+00	0.00E+00
3345	420841.22	3740348.17	4.89E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	1.22E-03	0.00E+00	0.00E+00	6.15E-05	1.19E-04	0.00E+00	0.00E+00
3346	420835.89	3740365.21	4.97E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	1.24E-03	0.00E+00	0.00E+00	6.25E-05	1.21E-04	0.00E+00	0.00E+00
3347	420830.55	3740382.24	5.03E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	1.25E-03	0.00E+00	0.00E+00	6.33E-05	1.23E-04	0.00E+00	0.00E+00
3348	420966.65	3740075.38	2.32E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.78E-04	0.00E+00	0.00E+00	2.92E-05	5.66E-05	0.00E+00	0.00E+00
3349	420961.34	3740092.32	2.43E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.06E-04	0.00E+00	0.00E+00	3.06E-05	5.94E-05	0.00E+00	0.00E+00
3350	420956.03	3740109.27	2.57E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.40E-04	0.00E+00	0.00E+00	3.23E-05	6.26E-05	0.00E+00	0.00E+00
3351	420950.72	3740126.21	2.71E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.76E-04	0.00E+00	0.00E+00	3.41E-05	6.62E-05	0.00E+00	0.00E+00
3352	420945.41	3740143.15	2.86E-04	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	7.12E-04	0.00E+00	0.00E+00	3.59E-05	6.97E-05	0.00E+00	0.00E+00
3353	420940.1	3740160.1	3.00E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	7.49E-04	0.00E+00	0.00E+00	3.78E-05	7.33E-05	0.00E+00	0.00E+00
3354	420934.79	3740177.04	3.14E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	7.84E-04	0.00E+00	0.00E+00	3.96E-05	7.68E-05	0.00E+00	0.00E+00
3355	420929.48	3740193.98	3.28E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	8.19E-04	0.00E+00	0.00E+00	4.13E-05	8.02E-05	0.00E+00	0.00E+00
3356	420924.17	3740210.93	3.42E-04	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	8.53E-04	0.00E+00	0.00E+00	4.30E-05	8.35E-05	0.00E+00	0.00E+00
3357	420918.86	3740227.87	3.56E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.88E-04	0.00E+00	0.00E+00	4.48E-05	8.70E-05	0.00E+00	0.00E+00
3358	420913.55	3740244.81	3.71E-04	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	9.25E-04	0.00E+00	0.00E+00	4.67E-05	9.06E-05	0.00E+00	0.00E+00
3359	420908.24	3740261.76	3.86E-04	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	9.62E-04	0.00E+00	0.00E+00	4.85E-05	9.42E-05	0.00E+00	0.00E+00
3360	420902.93	3740278.7	4.00E-04	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	9.97E-04	0.00E+00	0.00E+00	5.03E-05	9.76E-05	0.00E+00	0.00E+00
3361	420897.62	3740295.64	4.13E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	1.03E-03	0.00E+00	0.00E+00	5.20E-05	1.01E-04	0.00E+00	0.00E+00
3362	420892.31	3740312.59	4.25E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	1.06E-03	0.00E+00	0.00E+00	5.34E-05	1.04E-04	0.00E+00	0.00E+00
3363	420887	3740329.53	4.35E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.08E-03	0.00E+00	0.00E+00	5.47E-05	1.06E-04	0.00E+00	0.00E+00
3364	420881.69	3740346.48	4.44E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	1.11E-03	0.00E+00	0.00E+00	5.58E-05	1.08E-04	0.00E+00	0.00E+00
3365	420876.39	3740363.42	4.51E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	1.12E-03	0.00E+00	0.00E+00	5.67E-05	1.10E-04	0.00E+00	0.00E+00
3366	420871.08	3740380.36	4.57E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	1.14E-03	0.00E+00	0.00E+00	5.75E-05	1.12E-04	0.00E+00	0.00E+00
3367	420865.77	3740397.31	4.62E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	1.15E-03	0.00E+00	0.00E+00	5.81E-05	1.13E-04	0.00E+00	0.00E+00
3368	420860.46	3740414.25	4.66E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	1.16E-03	0.00E+00	0.00E+00	5.87E-05	1.14E-04	0.00E+00	0.00E+00
3369	420855.15	3740431.19	4.69E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	1.17E-03	0.00E+00	0.00E+00	5.90E-05	1.15E-04	0.00E+00	0.00E+00
3370	420849.84	3740448.14	4.71E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	1.17E-03	0.00E+00	0.00E+00	5.93E-05	1.15E-04	0.00E+00	0.00E+00
3371	420844.53	3740465.08	4.71E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	1.17E-03	0.00E+00	0.00E+00	5.93E-05	1.15E-04	0.00E+00	0.00E+00
3372	420839.22	3740482.02	4.69E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	1.17E-03	0.00E+00	0.00E+00	5.90E-05	1.15E-04	0.00E+00	0.00E+00
3373	420833.91	3740498.97	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.88E-05	1.14E-04	0.00E+00	0.00E+00
3374	420969.26	3740057.92	2.22E-04	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	5.53E-04	0.00E+00	0.00E+00	2.79E-05	5.42E-05	0.00E+00	0.00E+00
3375	420969.21	3740048.92	2.18E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.42E-04	0.00E+00	0.00E+00	2.74E-05	5.31E-05	0.00E+00	0.00E+00
3376	420969.17	3740039.93	2.13E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.32E-04	0.00E+00	0.00E+00	2.68E-05	5.21E-05	0.00E+00	0.00E+00
3377	420969.12	3740030.94	2.09E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.21E-04	0.00E+00	0.00E+00	2.63E-05	5.10E-05	0.00E+00	0.00E+00
3378	420969.08	3740021.95	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.00E-05	0.00E+00	0.00E+00
3379	420969.04	3740012.96	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.90E-05	0.00E+00	0.00E+00
3380	420968.99	3740003.97	1.96E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.89E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00
3381	421006.66	3740075.14	2.13E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.32E-04	0.00E+00	0.00E+00	2.68E-05	5.20E-05	0.00E+00	0.00E+00
3382	421001.37	3740092	2.23E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.56E-04	0.00E+00	0.00E+00	2.81E-05	5.45E-05	0.00E+00	0.00E+00
3383	420996.09	3740108.87	2.34E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.84E-04	0.00E+00	0.00E+00	2.94E-05	5.71E-05	0.00E+00	0.00E+00
3384	420990.81	3740125.73	2.46E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.13E-04	0.00E+00	0.00E+00	3.09E-05	6.00E-05	0.00E+00	0.00E+00
3385	420985.52	3740142.59	2.59E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.45E-04	0.00E+00	0.00E+00	3.25E-05	6.31E-05	0.00E+00	0.00E+00
3386	420980.24	3740159.45	2.72E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.78E-04	0.00E+00	0.00E+00	3.42E-05	6.64E-05	0.00E+00	0.00E+00
3387	420974.95	3740176.32	2.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	7.10E-04	0.00E+00	0.00E+00	3.58E-05	6.95E-05	0.00E+00	0.00E+00
3388	420969.67	3740193.18	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.74E-05	7.26E-05	0.00E+00	0.00E+00
3389	420964.39	3740210.04	3.10E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	7.72E-04	0.00E+00	0.00E+00	3.89E-05	7.56E-05	0.00E+00	0.00E+00
3390	420959.1	3740226.9	3.22E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.03E-04	0.00E+00	0.00E+00	4.05E-05	7.86E-05	0.00E+00	0.00E+00
3391	420953.82	3740243.77	3.35E-04	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	8.35E-04	0.00E+00	0.00E+00	4.21E-05	8.18E-05	0.00E+00	0.00E+00
3392	420948.53	3740260.63	3.48E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.66E-04	0.00E+00	0.00E+00	4.37E-05	8.48E-05	0.00E+00	0.00E+00
3393

3407	420869.27	3740513.57	4.33E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	1.08E-03	0.00E+00	0.00E+00	5.44E-05	1.06E-04	0.00E+00	0.00E+00
3408	420856.95	3740535.77	4.35E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.08E-03	0.00E+00	0.00E+00	5.47E-05	1.06E-04	0.00E+00	0.00E+00
3409	420842.89	3740546.47	4.42E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	1.10E-03	0.00E+00	0.00E+00	5.56E-05	1.08E-04	0.00E+00	0.00E+00
3410	421009.26	3740057.72	2.05E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.10E-04	0.00E+00	0.00E+00	2.57E-05	4.99E-05	0.00E+00	0.00E+00
3411	421009.21	3740048.73	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.90E-05	0.00E+00	0.00E+00
3412	421009.17	3740039.74	1.97E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.91E-04	0.00E+00	0.00E+00	2.48E-05	4.81E-05	0.00E+00	0.00E+00
3413	421009.12	3740030.74	1.93E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.81E-04	0.00E+00	0.00E+00	2.43E-05	4.71E-05	0.00E+00	0.00E+00
3414	421009.08	3740021.75	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.38E-05	4.61E-05	0.00E+00	0.00E+00
3415	421009.03	3740012.76	1.85E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.62E-04	0.00E+00	0.00E+00	2.33E-05	4.52E-05	0.00E+00	0.00E+00
3416	421008.99	3740003.77	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00
3417	421046.62	3740075.05	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.83E-05	0.00E+00	0.00E+00
3418	421041.27	3740092.14	2.07E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.15E-04	0.00E+00	0.00E+00	2.60E-05	5.05E-05	0.00E+00	0.00E+00
3419	421035.92	3740109.22	2.17E-04	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.40E-04	0.00E+00	0.00E+00	2.73E-05	5.29E-05	0.00E+00	0.00E+00
3420	421030.56	3740126.31	2.28E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.68E-04	0.00E+00	0.00E+00	2.86E-05	5.56E-05	0.00E+00	0.00E+00
3421	421025.21	3740143.39	2.38E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.93E-04	0.00E+00	0.00E+00	2.99E-05	5.81E-05	0.00E+00	0.00E+00
3422	421019.86	3740160.48	2.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.18E-04	0.00E+00	0.00E+00	3.12E-05	6.06E-05	0.00E+00	0.00E+00
3423	421014.5	3740177.56	2.59E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.46E-04	0.00E+00	0.00E+00	3.26E-05	6.33E-05	0.00E+00	0.00E+00
3424	421009.15	3740194.65	2.70E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.59E-05	0.00E+00	0.00E+00
3425	421003.79	3740211.73	2.80E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.99E-04	0.00E+00	0.00E+00	3.52E-05	6.84E-05	0.00E+00	0.00E+00
3426	420998.44	3740228.81	2.92E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.28E-04	0.00E+00	0.00E+00	3.67E-05	7.13E-05	0.00E+00	0.00E+00
3427	420993.09	3740245.9	3.05E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	7.59E-04	0.00E+00	0.00E+00	3.83E-05	7.44E-05	0.00E+00	0.00E+00
3428	420987.73	3740262.98	3.18E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.93E-04	0.00E+00	0.00E+00	4.00E-05	7.77E-05	0.00E+00	0.00E+00
3429	420982.38	3740280.07	3.31E-04	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.24E-04	0.00E+00	0.00E+00	4.16E-05	8.07E-05	0.00E+00	0.00E+00
3430	420977.03	3740297.15	3.41E-04	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.50E-04	0.00E+00	0.00E+00	4.29E-05	8.33E-05	0.00E+00	0.00E+00
3431	420971.67	3740314.24	3.51E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.76E-04	0.00E+00	0.00E+00	4.42E-05	8.57E-05	0.00E+00	0.00E+00
3432	420966.32	3740331.32	3.61E-04	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	8.99E-04	0.00E+00	0.00E+00	4.54E-05	8.80E-05	0.00E+00	0.00E+00
3433	420960.97	3740348.4	3.69E-04	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	9.20E-04	0.00E+00	0.00E+00	4.64E-05	9.01E-05	0.00E+00	0.00E+00
3434	420955.61	3740365.49	3.77E-04	9.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	9.39E-04	0.00E+00	0.00E+00	4.74E-05	9.19E-05	0.00E+00	0.00E+00
3435	420950.26	3740382.57	3.83E-04	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.55E-04	0.00E+00	0.00E+00	4.82E-05	9.35E-05	0.00E+00	0.00E+00
3436	420944.91	3740399.66	3.89E-04	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	9.69E-04	0.00E+00	0.00E+00	4.89E-05	9.49E-05	0.00E+00	0.00E+00
3437	420939.55	3740416.74	3.93E-04	9.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	9.80E-04	0.00E+00	0.00E+00	4.95E-05	9.60E-05	0.00E+00	0.00E+00
3438	420934.2	3740433.83	3.97E-04	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	9.89E-04	0.00E+00	0.00E+00	4.99E-05	9.68E-05	0.00E+00	0.00E+00
3439	420928.84	3740450.91	4.00E-04	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	9.97E-04	0.00E+00	0.00E+00	5.03E-05	9.76E-05	0.00E+00	0.00E+00
3440	420923.49	3740467.99	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.06E-05	9.81E-05	0.00E+00	0.00E+00
3441	420918.14	3740485.08	4.04E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	1.01E-03	0.00E+00	0.00E+00	5.08E-05	9.87E-05	0.00E+00	0.00E+00
3442	420912.78	3740502.16	4.04E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	1.01E-03	0.00E+00	0.00E+00	5.08E-05	9.87E-05	0.00E+00	0.00E+00
3443	420907.43	3740519.25	4.04E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	1.01E-03	0.00E+00	0.00E+00	5.08E-05	9.86E-05	0.00E+00	0.00E+00
3444	420902.08	3740536.33	4.03E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	1.01E-03	0.00E+00	0.00E+00	5.07E-05	9.85E-05	0.00E+00	0.00E+00
3445	420889.6	3740558.83	4.05E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	1.01E-03	0.00E+00	0.00E+00	5.09E-05	9.87E-05	0.00E+00	0.00E+00
3446	420882.47	3740564.25	4.07E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	1.01E-03	0.00E+00	0.00E+00	5.12E-05	9.93E-05	0.00E+00	0.00E+00
3447	420839.71	3740596.75	4.24E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.06E-03	0.00E+00	0.00E+00	5.33E-05	1.03E-04	0.00E+00	0.00E+00
3448	420832.58	3740602.17	4.26E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	1.06E-03	0.00E+00	0.00E+00	5.36E-05	1.04E-04	0.00E+00	0.00E+00
3449	421049.26	3740057.52	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00
3450	421049.21	3740048.53	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
3451	421049.17	3740039.54	1.84E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.57E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00
3452	421049.12	3740030.55	1.80E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.49E-04	0.00E+00	0.00E+00	2.27E-05	4.40E-05	0.00E+00	0.00E+00
3453	421049.08	3740021.56	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.22E-05	4.32E-05	0.00E+00	0.00E+00
3454	421049.03	3740012.56	1.74E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.33E-04	0.00E+00	0.00E+00	2.18E-05	4.24E-05	0.00E+00	0.00E+00
3455	421048.99	3740003.57	1.70E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.24E-04	0.00E+00	0.00E+00	2.14E-05	4.15E-05	0.00E+00	0.00E+00
3456	421086.64	3740074.82	1.82E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.53E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-05	0.00E+00	0.00E+00
3457	421081.31	3740091.82	1.89E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.72E-04	0.00E+00	0.00E+00	2.38E-05	4.62E-05	0.00E+00	0.00E+00
3458	421075.98	3740108.82	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.84E-05	0.00E+00	0.00E+00
3459	421070.65	3740125.83	2.09E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.20E-04	0.00E+00	0.00E+00	2.63E-05	5.10E-05	0.00E+00	0.00E+00
3460	421065.32	3740142.83	2.19E-04	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.46E-04	0.00E+00	0.00E+00	2.75E-05	5.34E-05	0.00E+00	0.00E+00
3461	421059.99	3740159.83	2.29E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.71E-04	0.00E+00	0.00E+00	2.88E-05	5.59E-05	0.00E+00	0.00E+00
3462	421054.67	3740176.84	2.38E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.92E-04	0.00E+00	0.00E+00	2.99E-05	5.80E-05	0.00E+00	0.00E+00
3463	421049.34	3740193.84	2.46E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.14E-04	0.00E+00	0.00E+00	3.10E-05	6.01E-05	0.00E+00	0.00E+00
3464	421044.01	3740210.84	2.55E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.35E-04	0.00E+00	0.00E+00	3.20E-05	6.21E-05	0.00E+00	0.00E+00
3465	421038.68	3740227.84	2.65E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.59E-04	0.00E+00	0.00E+00	3.33E-05	6.46E-05	0.00E+00	0.00E+00
3466	421033.35	3740244.85	2.77E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.90E-04	0.00E+00	0.00E+00	3.48E-05	6.75E-05	0.00E+00	0.00E+00
3467	421028.03	3740261.85	2.89E-04	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.21E-04	0.00E+00	0.00E+00	3.64E-05	7.06E-05	0.00E+00	0.00E+00
3468	421022.7	3740278.85	3.02E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.52E-04	0.00E+00	0.00E+00	3.79E-05	7.36E-05	0.00E+00	0.00E+00
3469	421017.37	3740295.86	3.12E-04	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	7.77E-04	0.00E+00	0.00E+00	3.92E-05	7.61E-05	0.00E+00	0.00E+00
3470	421012.04	3740312.86	3.21E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.00E-04	0.00E+00	0.00E+00	4.04E-05	7.83E-05	0.00E+00	0.00E+00
3471	421006.71	3740329.86	3.29E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	8.19E-04	0.00E+00	0.00E+00	4.13E-05	8.02E-05	0.00E+00	0.00E+00
3472	421001.39	3740346.86	3.36E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	8.38E-04	0.00E+00	0.00E+00	4.23E-05	8.20E-05	0.00E+00	0.00E+00
3473	420996.06	3740363.87	3.44E-04	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.56E-04	0.00E+00	0.00E+00	4.32E-05	8.38E-05	0.00E+00	0.00E+00
3474	420990.73	3740380.87	3.50E-04	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	8.73E-04	0.00E+00	0.00E+00	4.41E-05	8.55E-05	0.00E+00	0.00E+00
3475	420985.4	3740397.87	3.56E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.88E-04	0.00E+00	0.00E+00	4.48E-05	8.70E-05	0.00E+00	0.00E+00
3476	420982.74	3740406.38	3.59E-04	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	8.94E-04	0.00E+00	0.00E+00	4.51E-05	8.75E-05	0.00E+00	0.00E+00
3477	420977.41	3740423.38	3.62E-04	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	9.03E-04	0.00E+00	0.00E+00	4.56E-05	8.85E-05	0.00E+00	0.00E+00
3478	420972.08	3740440.38	3.66E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.11E-04	0.00E+00	0.00E+00	4.60E-05	8.92E-05	0.00E+00	0.00E+00
3479	420966.75	3740457.38	3.68E-04	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	9.18E-04	0.00E+00	0.00E+00	4.63E-05	8.99E-05	0.00E+00	0.00E+00
3480	420961.43	3740474.39	3.71E-04	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	9.26E-04	0.00E+00	0.00E+00	4.67E-05	9.06E-05	0.00E+00	0.00E+00
3481	420956.1	3740491.39	3.74E-04	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	9.32E-04	0.00E+00	0.00E+00	4.70E-05	9.12E-05	0.00E+00	0.00E+00
3482	420950.77	3740508.39	3.75E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	9.34E-04	0.00E+00	0.00E+00	4.72E-05	9.15E-05	0.00E+00	0.00E+00
3483	420945.44	3740525.4	3.75E-04	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	9.35E-04	0.00E+00	0.00E+00	4.72E-05	9.15E-05	0.00E+00	0.00E+00
3484	420940.11	3740542.4	3.74E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	9.33E-04	0.00E+00	0.00E+00	4.71E-05	9.13E-05	0.00E+00	0.00E+00
3485	420934.79	3740559.4	3.72E-04	9.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	9.28E-04	0.00E+00	0.00E+00	4.68E-05	9.09E-05	0.00E+00	0.00E+00
3486	420908.18	3740592.58	3.78E-04	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.42E-04	0.00E+00	0.00E+00	4.76E-05	9.23E-05	0.00E+00	0.00E+00
3487	420893.99	3740603.36	3.83E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.53E-04	0.00E+00	0.00E+00	4.81E-05	9.34E-05	0.00E+00	0.00E+00
3488	420879.81	3740614.14	3.87E-04	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	9.64E-04	0.00E+00	0.00E+00	4.87E-05	9.44E-05	0.00E+00	0.00E+00
3489	420865.62	3740624.93	3.92E-04	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	9.77E-04	0.00E+00	0.00E+00	4.93E-05	9.57E-05	0.00E+00	0.00E+00
3490	420851.44	3740635.71	3.98E-04	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	9.91E-04	0.00E+00	0.00E+00	5.00E-05	9.70E-05	0.00E+00	0.00E+00
3491	420837.25	3740646.49	4.03E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	1.00E-03	0.00E+00	0.00E+00	5.07E-05	9.84E-05	0.00E+00	0.00E+00
3492	421089.26	3740057.32	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.29E-05	0.00E+00	0.00E+00
3493	421089.21	3740048.33	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.18E-05	4.22E-05	0.00E+00	0.00E+00
3494	421089.17	3740039.34	1.70E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.25E-04	0.00E+00	0.00E+00	2.14E-05	4.16E-05	0.00E+00	0.00E+00
3495	421089.12	3740030.35	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
3496	421089.08	3740021.36	1.65E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.11E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00
3497	421089.03	3740012.37	1.62E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00
3498	421126.65	3740074.58	1.67E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.16E-04	0.00E+00	0.00E+00	2.10E-05	4.07E-05	0.00E+00	0.00E+00
3499	421121.34	3740091.51	1.73E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.32E-04	0.00E+00	0.00E+00	2.18E-05	4.23E-05	0.00E+00	0.00E+00
3500	421116.04	3740108.44	1.81E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.51E-04	0.00E+00	0.00E+00	2.27E-05	4.41E-05	0.00E+00	0.00E+00
3501	421110.73	3740125.37	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00
3502	421105.43	3740142.3	1.99E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.97E-04	0.00E+00	0.00E+00	2.51E-05	4.86E-05	0.00E+00	0.00E+00

3517	421025.85	3740396.24	3.24E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.08E-04	0.00E+00	0.00E+00	4.08E-05	7.92E-05	0.00E+00	0.00E+00
3518	421020.55	3740413.17	3.29E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	8.21E-04	0.00E+00	0.00E+00	4.14E-05	8.03E-05	0.00E+00	0.00E+00
3519	421015.24	3740430.1	3.33E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	8.30E-04	0.00E+00	0.00E+00	4.19E-05	8.13E-05	0.00E+00	0.00E+00
3520	421009.94	3740447.03	3.36E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	8.38E-04	0.00E+00	0.00E+00	4.23E-05	8.20E-05	0.00E+00	0.00E+00
3521	421004.63	3740463.96	3.39E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	8.45E-04	0.00E+00	0.00E+00	4.26E-05	8.28E-05	0.00E+00	0.00E+00
3522	420999.33	3740480.89	3.43E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.55E-04	0.00E+00	0.00E+00	4.31E-05	8.37E-05	0.00E+00	0.00E+00
3523	420994.02	3740497.82	3.46E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	8.62E-04	0.00E+00	0.00E+00	4.35E-05	8.44E-05	0.00E+00	0.00E+00
3524	420988.72	3740514.75	3.48E-04	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.67E-04	0.00E+00	0.00E+00	4.37E-05	8.49E-05	0.00E+00	0.00E+00
3525	420983.41	3740531.68	3.48E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.68E-04	0.00E+00	0.00E+00	4.38E-05	8.50E-05	0.00E+00	0.00E+00
3526	420978.11	3740548.61	3.47E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	8.66E-04	0.00E+00	0.00E+00	4.37E-05	8.48E-05	0.00E+00	0.00E+00
3527	420955.13	3740604.76	3.44E-04	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.58E-04	0.00E+00	0.00E+00	4.33E-05	8.40E-05	0.00E+00	0.00E+00
3528	420941	3740615.5	3.51E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.75E-04	0.00E+00	0.00E+00	4.41E-05	8.56E-05	0.00E+00	0.00E+00
3529	420926.88	3740626.23	3.57E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	8.91E-04	0.00E+00	0.00E+00	4.49E-05	8.72E-05	0.00E+00	0.00E+00
3530	420912.76	3740636.97	3.62E-04	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	9.03E-04	0.00E+00	0.00E+00	4.56E-05	8.84E-05	0.00E+00	0.00E+00
3531	420898.63	3740647.71	3.66E-04	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.13E-04	0.00E+00	0.00E+00	4.60E-05	8.94E-05	0.00E+00	0.00E+00
3532	420884.51	3740658.44	3.70E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	9.22E-04	0.00E+00	0.00E+00	4.65E-05	9.03E-05	0.00E+00	0.00E+00
3533	420870.38	3740669.18	3.74E-04	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	9.32E-04	0.00E+00	0.00E+00	4.70E-05	9.13E-05	0.00E+00	0.00E+00
3534	420856.26	3740679.91	3.78E-04	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.43E-04	0.00E+00	0.00E+00	4.76E-05	9.23E-05	0.00E+00	0.00E+00
3535	420842.14	3740690.65	3.81E-04	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	9.51E-04	0.00E+00	0.00E+00	4.80E-05	9.31E-05	0.00E+00	0.00E+00
3536	421129.25	3740057.13	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
3537	421129.21	3740048.14	1.59E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.96E-04	0.00E+00	0.00E+00	2.00E-05	3.88E-05	0.00E+00	0.00E+00
3538	421129.17	3740039.14	1.57E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
3539	421129.12	3740030.15	1.54E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.85E-04	0.00E+00	0.00E+00	1.94E-05	3.77E-05	0.00E+00	0.00E+00
3540	421129.08	3740021.16	1.52E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.80E-04	0.00E+00	0.00E+00	1.92E-05	3.72E-05	0.00E+00	0.00E+00
3541	421129.03	3740012.17	1.50E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.74E-04	0.00E+00	0.00E+00	1.89E-05	3.66E-05	0.00E+00	0.00E+00
3542	421128.99	3740003.18	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.61E-05	0.00E+00	0.00E+00
3543	421166.62	3740074.48	1.57E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
3544	421161.25	3740091.6	1.63E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.06E-04	0.00E+00	0.00E+00	2.05E-05	3.97E-05	0.00E+00	0.00E+00
3545	421158.57	3740100.17	1.66E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.14E-04	0.00E+00	0.00E+00	2.09E-05	4.05E-05	0.00E+00	0.00E+00
3546	421153.2	3740117.29	1.74E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.32E-04	0.00E+00	0.00E+00	2.18E-05	4.23E-05	0.00E+00	0.00E+00
3547	421147.84	3740134.41	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.43E-05	0.00E+00	0.00E+00
3548	421142.47	3740151.53	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00
3549	421137.11	3740168.65	1.99E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.95E-04	0.00E+00	0.00E+00	2.50E-05	4.85E-05	0.00E+00	0.00E+00
3550	421131.74	3740185.77	2.07E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.17E-04	0.00E+00	0.00E+00	2.61E-05	5.06E-05	0.00E+00	0.00E+00
3551	421126.38	3740202.9	2.16E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00
3552	421121.01	3740220.02	2.24E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.59E-04	0.00E+00	0.00E+00	2.82E-05	5.47E-05	0.00E+00	0.00E+00
3553	421115.64	3740237.14	2.33E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.80E-04	0.00E+00	0.00E+00	2.93E-05	5.68E-05	0.00E+00	0.00E+00
3554	421110.28	3740254.26	2.41E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.00E-04	0.00E+00	0.00E+00	3.03E-05	5.88E-05	0.00E+00	0.00E+00
3555	421104.91	3740271.38	2.49E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.20E-04	0.00E+00	0.00E+00	3.13E-05	6.07E-05	0.00E+00	0.00E+00
3556	421099.55	3740288.51	2.56E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.39E-04	0.00E+00	0.00E+00	3.22E-05	6.25E-05	0.00E+00	0.00E+00
3557	421094.18	3740305.63	2.63E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.56E-04	0.00E+00	0.00E+00	3.31E-05	6.43E-05	0.00E+00	0.00E+00
3558	421088.82	3740322.75	2.71E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.75E-04	0.00E+00	0.00E+00	3.40E-05	6.61E-05	0.00E+00	0.00E+00
3559	421083.45	3740339.87	2.77E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.91E-04	0.00E+00	0.00E+00	3.49E-05	6.77E-05	0.00E+00	0.00E+00
3560	421080.77	3740348.43	2.81E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.01E-04	0.00E+00	0.00E+00	3.54E-05	6.87E-05	0.00E+00	0.00E+00
3561	421075.4	3740365.55	2.89E-04	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.19E-04	0.00E+00	0.00E+00	3.63E-05	7.04E-05	0.00E+00	0.00E+00
3562	421070.04	3740382.68	2.94E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.34E-04	0.00E+00	0.00E+00	3.70E-05	7.19E-05	0.00E+00	0.00E+00
3563	421064.67	3740399.8	3.00E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	7.47E-04	0.00E+00	0.00E+00	3.77E-05	7.31E-05	0.00E+00	0.00E+00
3564	421059.31	3740416.92	3.04E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.58E-04	0.00E+00	0.00E+00	3.82E-05	7.42E-05	0.00E+00	0.00E+00
3565	421053.94	3740434.04	3.08E-04	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	7.68E-04	0.00E+00	0.00E+00	3.87E-05	7.52E-05	0.00E+00	0.00E+00
3566	421048.58	3740451.16	3.11E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	7.76E-04	0.00E+00	0.00E+00	3.91E-05	7.60E-05	0.00E+00	0.00E+00
3567	421043.21	3740468.29	3.15E-04	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	7.84E-04	0.00E+00	0.00E+00	3.96E-05	7.68E-05	0.00E+00	0.00E+00
3568	421037.85	3740485.41	3.18E-04	7.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.93E-04	0.00E+00	0.00E+00	4.00E-05	7.77E-05	0.00E+00	0.00E+00
3569	421032.48	3740502.53	3.21E-04	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.01E-04	0.00E+00	0.00E+00	4.04E-05	7.84E-05	0.00E+00	0.00E+00
3570	421027.12	3740519.65	3.23E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.06E-04	0.00E+00	0.00E+00	4.07E-05	7.89E-05	0.00E+00	0.00E+00
3571	421021.75	3740536.77	3.25E-04	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.11E-04	0.00E+00	0.00E+00	4.09E-05	7.94E-05	0.00E+00	0.00E+00
3572	421016.39	3740553.9	3.26E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	8.13E-04	0.00E+00	0.00E+00	4.10E-05	7.96E-05	0.00E+00	0.00E+00
3573	421005.66	3740588.14	3.24E-04	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.07E-04	0.00E+00	0.00E+00	4.07E-05	7.90E-05	0.00E+00	0.00E+00
3574	421000.29	3740605.26	3.22E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.03E-04	0.00E+00	0.00E+00	4.05E-05	7.86E-05	0.00E+00	0.00E+00
3575	420987.78	3740627.81	3.24E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.08E-04	0.00E+00	0.00E+00	4.08E-05	7.91E-05	0.00E+00	0.00E+00
3576	420980.64	3740633.24	3.27E-04	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	8.15E-04	0.00E+00	0.00E+00	4.11E-05	7.98E-05	0.00E+00	0.00E+00
3577	420973.5	3740638.67	3.30E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	8.21E-04	0.00E+00	0.00E+00	4.14E-05	8.04E-05	0.00E+00	0.00E+00
3578	420959.21	3740649.53	3.34E-04	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	8.33E-04	0.00E+00	0.00E+00	4.21E-05	8.16E-05	0.00E+00	0.00E+00
3579	420952.07	3740654.96	3.37E-04	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	8.40E-04	0.00E+00	0.00E+00	4.24E-05	8.22E-05	0.00E+00	0.00E+00
3580	420944.93	3740660.39	3.39E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	8.45E-04	0.00E+00	0.00E+00	4.27E-05	8.28E-05	0.00E+00	0.00E+00
3581	420930.64	3740671.24	3.43E-04	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.56E-04	0.00E+00	0.00E+00	4.32E-05	8.38E-05	0.00E+00	0.00E+00
3582	420923.5	3740676.67	3.45E-04	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	8.59E-04	0.00E+00	0.00E+00	4.33E-05	8.41E-05	0.00E+00	0.00E+00
3583	420909.22	3740687.53	3.47E-04	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	8.65E-04	0.00E+00	0.00E+00	4.36E-05	8.47E-05	0.00E+00	0.00E+00
3584	420902.07	3740692.96	3.48E-04	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.67E-04	0.00E+00	0.00E+00	4.38E-05	8.49E-05	0.00E+00	0.00E+00
3585	420894.93	3740698.39	3.49E-04	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	8.71E-04	0.00E+00	0.00E+00	4.40E-05	8.53E-05	0.00E+00	0.00E+00
3586	420880.65	3740709.25	3.54E-04	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	8.82E-04	0.00E+00	0.00E+00	4.45E-05	8.64E-05	0.00E+00	0.00E+00
3587	420873.5	3740714.67	3.56E-04	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.87E-04	0.00E+00	0.00E+00	4.48E-05	8.69E-05	0.00E+00	0.00E+00
3588	420859.22	3740725.53	3.59E-04	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	8.96E-04	0.00E+00	0.00E+00	4.52E-05	8.77E-05	0.00E+00	0.00E+00
3589	420852.08	3740730.96	3.61E-04	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	8.99E-04	0.00E+00	0.00E+00	4.54E-05	8.81E-05	0.00E+00	0.00E+00
3590	420844.94	3740736.39	3.62E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	9.02E-04	0.00E+00	0.00E+00	4.55E-05	8.84E-05	0.00E+00	0.00E+00
3591	421169.25	3740056.93	1.51E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.77E-04	0.00E+00	0.00E+00	1.90E-05	3.69E-05	0.00E+00	0.00E+00
3592	421169.21	3740047.94	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00
3593	421169.17	3740038.95	1.46E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.57E-05	0.00E+00	0.00E+00
3594	421169.12	3740029.96	1.44E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.59E-04	0.00E+00	0.00E+00	1.81E-05	3.52E-05	0.00E+00	0.00E+00
3595	421169.08	3740020.96	1.42E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.46E-05	0.00E+00	0.00E+00
3596	421169.03	3740011.97	1.40E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.48E-04	0.00E+00	0.00E+00	1.76E-05	3.41E-05	0.00E+00	0.00E+00
3597	421168.99	3740002.98	1.37E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.43E-04	0.00E+00	0.00E+00	1.73E-05	3.36E-05	0.00E+00	0.00E+00
3598	421206.63	3740074.25	1.48E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.69E-04	0.00E+00	0.00E+00	1.86E-05	3.61E-05	0.00E+00	0.00E+00
3599	421201.28	3740091.3	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
3600	421195.94	3740108.35	1.61E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.00E-04	0.00E+00	0.00E+00	2.02E-05	3.92E-05	0.00E+00	0.00E+00
3601	421190.6	3740125.39	1.67E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.16E-04	0.00E+00	0.00E+00	2.10E-05	4.08E-05	0.00E+00	0.00E+00
3602	421185.26	3740142.44	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00
3603	421179.92	3740159.49	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.43E-05	0.00E+00	0.00E+00
3604	421174.57	3740176.54	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.38E-05	4.62E-05	0.00E+00	0.00E+00
3605	421169.23	3740193.59	1.97E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.91E-04	0.00E+00	0.00E+00	2.48E-05	4.81E-05	0.00E+00	0.00E+00
3606	421163.89	3740210.64	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.00E-05	0.00E+00	0.00E+00
3607	421158.55	3740227.68	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00
3608	421153.2	3740244.73	2.19E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.47E-04	0.00E+00	0.00E+00	2.76E-05	5.35E-05	0.00E+00	0.00E+00
3609	421147.86	3740261.78	2.26E-04	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.64E-04	0.00E+00	0.00E+00	2.85E-05	5.53E-05	0.00E+00	0.00E+00
3610	421142.52	3740278.83	2.33E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.81E-04	0.00E+00	0.00E+00	2.93E-05	5.69E-05	0.00E+00	0.00E+00
3611	421137.18	3740295.88	2.40E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.98E-04	0.00E+00	0.00E+00	3.02E-05	5.85E-05	0.00E+00	0.00E+00
3612	421131.83	3740312.93	2.46E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.14E-04	0.00E+00	0.00E+00	3.10E-05	6.01E-05	0.00E+00	0.00E+00

3627	421054.37	3740560.13	3.06E-04	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.64E-04	0.00E+00	0.00E+00	3.85E-05	7.48E-05	0.00E+00	0.00E+00
3628	421020.55	3740650.78	3.04E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.58E-04	0.00E+00	0.00E+00	3.82E-05	7.42E-05	0.00E+00	0.00E+00
3629	421013.44	3740656.18	3.07E-04	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	7.64E-04	0.00E+00	0.00E+00	3.86E-05	7.48E-05	0.00E+00	0.00E+00
3630	420999.21	3740666.99	3.12E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	7.76E-04	0.00E+00	0.00E+00	3.92E-05	7.60E-05	0.00E+00	0.00E+00
3631	420992.1	3740672.4	3.14E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	7.82E-04	0.00E+00	0.00E+00	3.95E-05	7.66E-05	0.00E+00	0.00E+00
3632	420977.88	3740683.21	3.17E-04	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	7.91E-04	0.00E+00	0.00E+00	3.99E-05	7.75E-05	0.00E+00	0.00E+00
3633	420963.65	3740694.02	3.20E-04	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.98E-04	0.00E+00	0.00E+00	4.03E-05	7.82E-05	0.00E+00	0.00E+00
3634	420956.54	3740699.43	3.22E-04	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.02E-04	0.00E+00	0.00E+00	4.04E-05	7.85E-05	0.00E+00	0.00E+00
3635	420942.32	3740710.24	3.25E-04	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.09E-04	0.00E+00	0.00E+00	4.08E-05	7.92E-05	0.00E+00	0.00E+00
3636	420928.09	3740721.05	3.28E-04	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	8.17E-04	0.00E+00	0.00E+00	4.12E-05	8.00E-05	0.00E+00	0.00E+00
3637	420920.98	3740726.46	3.29E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	8.21E-04	0.00E+00	0.00E+00	4.14E-05	8.04E-05	0.00E+00	0.00E+00
3638	420906.76	3740737.27	3.33E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	8.30E-04	0.00E+00	0.00E+00	4.19E-05	8.12E-05	0.00E+00	0.00E+00
3639	420892.54	3740748.08	3.36E-04	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	8.38E-04	0.00E+00	0.00E+00	4.23E-05	8.21E-05	0.00E+00	0.00E+00
3640	420878.31	3740758.89	3.39E-04	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	8.46E-04	0.00E+00	0.00E+00	4.27E-05	8.28E-05	0.00E+00	0.00E+00
3641	420864.09	3740769.7	3.41E-04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.49E-04	0.00E+00	0.00E+00	4.29E-05	8.32E-05	0.00E+00	0.00E+00
3642	420849.87	3740780.51	3.41E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.51E-04	0.00E+00	0.00E+00	4.29E-05	8.33E-05	0.00E+00	0.00E+00
3643	420842.75	3740785.92	3.42E-04	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	8.51E-04	0.00E+00	0.00E+00	4.30E-05	8.34E-05	0.00E+00	0.00E+00
3644	421209.25	3740056.73	1.42E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.55E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00
3645	421209.21	3740047.74	1.40E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.48E-04	0.00E+00	0.00E+00	1.76E-05	3.41E-05	0.00E+00	0.00E+00
3646	421209.17	3740038.75	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.73E-05	3.35E-05	0.00E+00	0.00E+00
3647	421209.12	3740029.76	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
3648	421209.08	3740020.77	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.67E-05	3.25E-05	0.00E+00	0.00E+00
3649	421209.03	3740011.78	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00
3650	421208.99	3740002.78	1.29E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.21E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00
3651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3726	0	0	0.00E+00	0.00

3737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

3847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

3957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

4947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

6267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

6377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

					2013	
			2006	420051.43	3739894.79	
	Max Yr	**2**	3.46E-02	0.00E+00	3.46E-02	3.39E-03
	Row	**19**	UnMitigated	T2	T2L3	T4
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**0%**	**100%**	**10%**
			Year 2	Year 2	Year 2	Year 2
1	420199.6	3739868	1.78E-02	0.00E+00	1.78E-02	1.75E-03
2	420190.3	3739868	1.89E-02	0.00E+00	1.89E-02	1.85E-03
3	420180.9	3739868	2.00E-02	0.00E+00	2.00E-02	1.95E-03
4	420171.5	3739868	2.11E-02	0.00E+00	2.11E-02	2.07E-03
5	420162.2	3739868	2.22E-02	0.00E+00	2.22E-02	2.18E-03
6	420152.8	3739868	2.34E-02	0.00E+00	2.34E-02	2.29E-03
7	420143.4	3739868	2.44E-02	0.00E+00	2.44E-02	2.39E-03
8	420134	3739868	2.54E-02	0.00E+00	2.54E-02	2.49E-03
9	420124.7	3739868	2.63E-02	0.00E+00	2.63E-02	2.57E-03
10	420115.3	3739868	2.70E-02	0.00E+00	2.70E-02	2.65E-03
11	420105.9	3739868	2.76E-02	0.00E+00	2.76E-02	2.70E-03
12	420096.6	3739868	2.80E-02	0.00E+00	2.80E-02	2.74E-03
13	420087.2	3739868	2.83E-02	0.00E+00	2.83E-02	2.77E-03
14	420077.8	3739868	2.83E-02	0.00E+00	2.83E-02	2.77E-03
15	420068.5	3739868	2.82E-02	0.00E+00	2.82E-02	2.77E-03
16	420233.2	3739858	1.36E-02	0.00E+00	1.36E-02	1.33E-03
17	420249.3	3739864	1.30E-02	0.00E+00	1.30E-02	1.27E-03
18	420265.4	3739871	1.24E-02	0.00E+00	1.24E-02	1.21E-03
19	420199.6	3739848	1.53E-02	0.00E+00	1.53E-02	1.50E-03
20	420190.3	3739848	1.61E-02	0.00E+00	1.61E-02	1.58E-03
21	420180.9	3739848	1.70E-02	0.00E+00	1.70E-02	1.66E-03
22	420171.5	3739848	1.78E-02	0.00E+00	1.78E-02	1.75E-03
23	420162.2	3739848	1.87E-02	0.00E+00	1.87E-02	1.83E-03
24	420152.8	3739848	1.96E-02	0.00E+00	1.96E-02	1.92E-03
25	420143.4	3739848	2.04E-02	0.00E+00	2.04E-02	2.00E-03
26	420134	3739848	2.12E-02	0.00E+00	2.12E-02	2.08E-03
27	420124.7	3739848	2.19E-02	0.00E+00	2.19E-02	2.14E-03
28	420115.3	3739848	2.25E-02	0.00E+00	2.25E-02	2.20E-03
29	420105.9	3739848	2.30E-02	0.00E+00	2.30E-02	2.25E-03
30	420096.6	3739848	2.34E-02	0.00E+00	2.34E-02	2.29E-03
31	420087.2	3739848	2.37E-02	0.00E+00	2.37E-02	2.32E-03
32	420077.8	3739848	2.39E-02	0.00E+00	2.39E-02	2.34E-03
33	420068.5	3739848	2.39E-02	0.00E+00	2.39E-02	2.34E-03
34	420234.4	3739838	1.18E-02	0.00E+00	1.18E-02	1.16E-03
35	420242.9	3739842	1.16E-02	0.00E+00	1.16E-02	1.13E-03
36	420251.3	3739845	1.13E-02	0.00E+00	1.13E-02	1.11E-03
37	420259.8	3739849	1.11E-02	0.00E+00	1.11E-02	1.09E-03
38	420268.3	3739852	1.09E-02	0.00E+00	1.09E-02	1.06E-03
39	420276.7	3739856	1.06E-02	0.00E+00	1.06E-02	1.04E-03
40	420285.2	3739859	1.04E-02	0.00E+00	1.04E-02	1.02E-03

41	420293.6	3739863	1.02E-02	0.00E+00	1.02E-02	9.97E-04
42	420302.1	3739866	9.97E-03	0.00E+00	9.97E-03	9.77E-04
43	420310.6	3739870	9.77E-03	0.00E+00	9.77E-03	9.57E-04
44	420319	3739873	9.58E-03	0.00E+00	9.58E-03	9.38E-04
45	420327.5	3739877	9.40E-03	0.00E+00	9.40E-03	9.20E-04
46	420209	3739828	1.26E-02	0.00E+00	1.26E-02	1.23E-03
47	420199.6	3739828	1.33E-02	0.00E+00	1.33E-02	1.30E-03
48	420190.3	3739828	1.39E-02	0.00E+00	1.39E-02	1.36E-03
49	420180.9	3739828	1.46E-02	0.00E+00	1.46E-02	1.43E-03
50	420171.5	3739828	1.53E-02	0.00E+00	1.53E-02	1.50E-03
51	420162.2	3739828	1.60E-02	0.00E+00	1.60E-02	1.57E-03
52	420152.8	3739828	1.67E-02	0.00E+00	1.67E-02	1.64E-03
53	420143.4	3739828	1.74E-02	0.00E+00	1.74E-02	1.70E-03
54	420134	3739828	1.80E-02	0.00E+00	1.80E-02	1.76E-03
55	420124.7	3739828	1.85E-02	0.00E+00	1.85E-02	1.81E-03
56	420115.3	3739828	1.90E-02	0.00E+00	1.90E-02	1.86E-03
57	420105.9	3739828	1.95E-02	0.00E+00	1.95E-02	1.91E-03
58	420096.6	3739828	1.99E-02	0.00E+00	1.99E-02	1.95E-03
59	420087.2	3739828	2.02E-02	0.00E+00	2.02E-02	1.98E-03
60	420077.8	3739828	2.04E-02	0.00E+00	2.04E-02	2.00E-03
61	420068.5	3739828	2.05E-02	0.00E+00	2.05E-02	2.00E-03
62	420233.9	3739818	1.05E-02	0.00E+00	1.05E-02	1.03E-03
63	420250.5	3739825	1.01E-02	0.00E+00	1.01E-02	9.87E-04
64	420267.1	3739832	9.69E-03	0.00E+00	9.69E-03	9.49E-04
65	420283.7	3739839	9.32E-03	0.00E+00	9.32E-03	9.13E-04
66	420300.3	3739845	8.96E-03	0.00E+00	8.96E-03	8.78E-04
67	420316.9	3739852	8.63E-03	0.00E+00	8.63E-03	8.45E-04
68	420325.2	3739856	8.47E-03	0.00E+00	8.47E-03	8.29E-04
69	420341.8	3739863	8.17E-03	0.00E+00	8.17E-03	8.00E-04
70	420353.5	3739874	8.27E-03	0.00E+00	8.27E-03	8.10E-04
71	420209	3739808	1.11E-02	0.00E+00	1.11E-02	1.09E-03
72	420199.6	3739808	1.16E-02	0.00E+00	1.16E-02	1.14E-03
73	420190.3	3739808	1.22E-02	0.00E+00	1.22E-02	1.19E-03
74	420180.9	3739808	1.27E-02	0.00E+00	1.27E-02	1.25E-03
75	420171.5	3739808	1.33E-02	0.00E+00	1.33E-02	1.30E-03
76	420162.2	3739808	1.39E-02	0.00E+00	1.39E-02	1.36E-03
77	420152.8	3739808	1.44E-02	0.00E+00	1.44E-02	1.41E-03
78	420143.4	3739808	1.50E-02	0.00E+00	1.50E-02	1.47E-03
79	420134	3739808	1.55E-02	0.00E+00	1.55E-02	1.52E-03
80	420124.7	3739808	1.60E-02	0.00E+00	1.60E-02	1.56E-03
81	420115.3	3739808	1.64E-02	0.00E+00	1.64E-02	1.61E-03
82	420105.9	3739808	1.68E-02	0.00E+00	1.68E-02	1.65E-03
83	420096.6	3739808	1.72E-02	0.00E+00	1.72E-02	1.68E-03
84	420087.2	3739808	1.75E-02	0.00E+00	1.75E-02	1.71E-03
85	420077.8	3739808	1.77E-02	0.00E+00	1.77E-02	1.73E-03
86	420068.5	3739808	1.78E-02	0.00E+00	1.78E-02	1.74E-03
87	420234.9	3739798	9.37E-03	0.00E+00	9.37E-03	9.17E-04

88	420243.5	3739802	9.19E-03	0.00E+00	9.19E-03	8.99E-04
89	420252.1	3739806	9.01E-03	0.00E+00	9.01E-03	8.82E-04
90	420260.7	3739809	8.83E-03	0.00E+00	8.83E-03	8.65E-04
91	420269.4	3739813	8.67E-03	0.00E+00	8.67E-03	8.48E-04
92	420278	3739816	8.50E-03	0.00E+00	8.50E-03	8.32E-04
93	420286.6	3739820	8.33E-03	0.00E+00	8.33E-03	8.16E-04
94	420295.2	3739823	8.17E-03	0.00E+00	8.17E-03	8.00E-04
95	420303.8	3739827	8.01E-03	0.00E+00	8.01E-03	7.85E-04
96	420312.5	3739830	7.86E-03	0.00E+00	7.86E-03	7.69E-04
97	420321.1	3739834	7.71E-03	0.00E+00	7.71E-03	7.55E-04
98	420329.7	3739838	7.56E-03	0.00E+00	7.56E-03	7.41E-04
99	420338.3	3739841	7.43E-03	0.00E+00	7.43E-03	7.28E-04
100	420346.9	3739845	7.30E-03	0.00E+00	7.30E-03	7.15E-04
101	420355.6	3739848	7.18E-03	0.00E+00	7.18E-03	7.03E-04
102	420367.8	3739860	7.27E-03	0.00E+00	7.27E-03	7.12E-04
103	420371.4	3739869	7.48E-03	0.00E+00	7.48E-03	7.32E-04
104	420199.6	3739788	1.03E-02	0.00E+00	1.03E-02	1.01E-03
105	420190.3	3739788	1.08E-02	0.00E+00	1.08E-02	1.06E-03
106	420180.9	3739788	1.12E-02	0.00E+00	1.12E-02	1.10E-03
107	420171.5	3739788	1.17E-02	0.00E+00	1.17E-02	1.15E-03
108	420162.2	3739788	1.22E-02	0.00E+00	1.22E-02	1.19E-03
109	420152.8	3739788	1.26E-02	0.00E+00	1.26E-02	1.24E-03
110	420143.4	3739788	1.31E-02	0.00E+00	1.31E-02	1.28E-03
111	420134	3739788	1.35E-02	0.00E+00	1.35E-02	1.32E-03
112	420124.7	3739788	1.39E-02	0.00E+00	1.39E-02	1.36E-03
113	420115.3	3739788	1.43E-02	0.00E+00	1.43E-02	1.40E-03
114	420105.9	3739788	1.47E-02	0.00E+00	1.47E-02	1.44E-03
115	420096.6	3739788	1.50E-02	0.00E+00	1.50E-02	1.47E-03
116	420087.2	3739788	1.53E-02	0.00E+00	1.53E-02	1.50E-03
117	420077.8	3739788	1.55E-02	0.00E+00	1.55E-02	1.51E-03
118	420068.5	3739788	1.56E-02	0.00E+00	1.56E-02	1.53E-03
119	420251.3	3739785	8.15E-03	0.00E+00	8.15E-03	7.98E-04
120	420259.8	3739789	8.01E-03	0.00E+00	8.01E-03	7.84E-04
121	420268.3	3739792	7.87E-03	0.00E+00	7.87E-03	7.70E-04
122	420276.7	3739796	7.72E-03	0.00E+00	7.72E-03	7.56E-04
123	420285.2	3739799	7.57E-03	0.00E+00	7.57E-03	7.42E-04
124	420293.6	3739803	7.43E-03	0.00E+00	7.43E-03	7.28E-04
125	420302.1	3739806	7.30E-03	0.00E+00	7.30E-03	7.15E-04
126	420310.6	3739810	7.17E-03	0.00E+00	7.17E-03	7.02E-04
127	420319	3739813	7.04E-03	0.00E+00	7.04E-03	6.90E-04
128	420327.5	3739817	6.92E-03	0.00E+00	6.92E-03	6.77E-04
129	420336	3739820	6.80E-03	0.00E+00	6.80E-03	6.65E-04
130	420344.4	3739824	6.68E-03	0.00E+00	6.68E-03	6.54E-04
131	420352.9	3739827	6.57E-03	0.00E+00	6.57E-03	6.43E-04
132	420361.4	3739831	6.46E-03	0.00E+00	6.46E-03	6.33E-04
133	420369.8	3739834	6.36E-03	0.00E+00	6.36E-03	6.22E-04
134	420381.8	3739846	6.42E-03	0.00E+00	6.42E-03	6.29E-04

135	420385.4	3739854	6.60E-03	0.00E+00	6.60E-03	6.46E-04
136	420388.9	3739863	6.78E-03	0.00E+00	6.78E-03	6.64E-04
137	420392.4	3739871	6.97E-03	0.00E+00	6.97E-03	6.83E-04
138	420199.6	3739768	9.25E-03	0.00E+00	9.25E-03	9.05E-04
139	420190.3	3739768	9.61E-03	0.00E+00	9.61E-03	9.41E-04
140	420180.9	3739768	9.98E-03	0.00E+00	9.98E-03	9.78E-04
141	420171.5	3739768	1.04E-02	0.00E+00	1.04E-02	1.02E-03
142	420162.2	3739768	1.08E-02	0.00E+00	1.08E-02	1.05E-03
143	420152.8	3739768	1.11E-02	0.00E+00	1.11E-02	1.09E-03
144	420143.4	3739768	1.15E-02	0.00E+00	1.15E-02	1.13E-03
145	420134	3739768	1.19E-02	0.00E+00	1.19E-02	1.17E-03
146	420124.7	3739768	1.23E-02	0.00E+00	1.23E-02	1.20E-03
147	420115.3	3739768	1.26E-02	0.00E+00	1.26E-02	1.23E-03
148	420105.9	3739768	1.29E-02	0.00E+00	1.29E-02	1.26E-03
149	420096.6	3739768	1.32E-02	0.00E+00	1.32E-02	1.29E-03
150	420087.2	3739768	1.34E-02	0.00E+00	1.34E-02	1.32E-03
151	420077.8	3739768	1.36E-02	0.00E+00	1.36E-02	1.33E-03
152	420068.5	3739768	1.37E-02	0.00E+00	1.37E-02	1.35E-03
153	420234	3739758	7.66E-03	0.00E+00	7.66E-03	7.50E-04
154	420242.3	3739761	7.54E-03	0.00E+00	7.54E-03	7.38E-04
155	420300.7	3739786	6.70E-03	0.00E+00	6.70E-03	6.56E-04
156	420309	3739789	6.59E-03	0.00E+00	6.59E-03	6.45E-04
157	420317.4	3739792	6.47E-03	0.00E+00	6.47E-03	6.34E-04
158	420325.7	3739796	6.36E-03	0.00E+00	6.36E-03	6.23E-04
159	420342.4	3739803	6.15E-03	0.00E+00	6.15E-03	6.02E-04
160	420350.7	3739806	6.05E-03	0.00E+00	6.05E-03	5.92E-04
161	420359.1	3739810	5.95E-03	0.00E+00	5.95E-03	5.82E-04
162	420375.7	3739817	5.76E-03	0.00E+00	5.76E-03	5.64E-04
163	420384.1	3739820	5.67E-03	0.00E+00	5.67E-03	5.56E-04
164	420395.9	3739832	5.72E-03	0.00E+00	5.72E-03	5.60E-04
165	420402.8	3739848	6.02E-03	0.00E+00	6.02E-03	5.89E-04
166	420406.3	3739857	6.18E-03	0.00E+00	6.18E-03	6.05E-04
167	420413.3	3739873	6.52E-03	0.00E+00	6.52E-03	6.39E-04
168	420199.6	3739748	8.32E-03	0.00E+00	8.32E-03	8.15E-04
169	420190.3	3739748	8.62E-03	0.00E+00	8.62E-03	8.44E-04
170	420180.9	3739748	8.93E-03	0.00E+00	8.93E-03	8.75E-04
171	420171.5	3739748	9.26E-03	0.00E+00	9.26E-03	9.06E-04
172	420162.2	3739748	9.59E-03	0.00E+00	9.59E-03	9.39E-04
173	420152.8	3739748	9.92E-03	0.00E+00	9.92E-03	9.71E-04
174	420143.4	3739748	1.02E-02	0.00E+00	1.02E-02	1.00E-03
175	420134	3739748	1.06E-02	0.00E+00	1.06E-02	1.03E-03
176	420124.7	3739748	1.09E-02	0.00E+00	1.09E-02	1.07E-03
177	420115.3	3739748	1.12E-02	0.00E+00	1.12E-02	1.09E-03
178	420105.9	3739748	1.14E-02	0.00E+00	1.14E-02	1.12E-03
179	420096.6	3739748	1.17E-02	0.00E+00	1.17E-02	1.14E-03
180	420087.2	3739748	1.19E-02	0.00E+00	1.19E-02	1.17E-03
181	420077.8	3739748	1.21E-02	0.00E+00	1.21E-02	1.18E-03

182	420068.5	3739748	1.22E-02	0.00E+00	1.22E-02	1.20E-03
183	420234.8	3739738	6.96E-03	0.00E+00	6.96E-03	6.82E-04
184	420243.4	3739742	6.85E-03	0.00E+00	6.85E-03	6.71E-04
185	420251.9	3739745	6.74E-03	0.00E+00	6.74E-03	6.60E-04
186	420260.5	3739749	6.64E-03	0.00E+00	6.64E-03	6.50E-04
187	420269.1	3739753	6.53E-03	0.00E+00	6.53E-03	6.40E-04
188	420277.7	3739756	6.43E-03	0.00E+00	6.43E-03	6.30E-04
189	420286.3	3739760	6.33E-03	0.00E+00	6.33E-03	6.20E-04
190	420294.9	3739763	6.23E-03	0.00E+00	6.23E-03	6.10E-04
191	420346.4	3739784	5.64E-03	0.00E+00	5.64E-03	5.52E-04
192	420355	3739788	5.54E-03	0.00E+00	5.54E-03	5.42E-04
193	420363.6	3739792	5.45E-03	0.00E+00	5.45E-03	5.33E-04
194	420372.2	3739795	5.35E-03	0.00E+00	5.35E-03	5.24E-04
195	420380.7	3739799	5.26E-03	0.00E+00	5.26E-03	5.16E-04
196	420389.3	3739802	5.18E-03	0.00E+00	5.18E-03	5.07E-04
197	420397.9	3739806	5.11E-03	0.00E+00	5.11E-03	5.00E-04
198	420410.1	3739818	5.15E-03	0.00E+00	5.15E-03	5.04E-04
199	420413.7	3739826	5.27E-03	0.00E+00	5.27E-03	5.16E-04
200	420417.3	3739835	5.40E-03	0.00E+00	5.40E-03	5.29E-04
201	420420.9	3739844	5.54E-03	0.00E+00	5.54E-03	5.42E-04
202	420424.4	3739852	5.69E-03	0.00E+00	5.69E-03	5.57E-04
203	420428	3739861	5.84E-03	0.00E+00	5.84E-03	5.72E-04
204	420431.6	3739869	6.00E-03	0.00E+00	6.00E-03	5.88E-04
205	420199.6	3739728	7.54E-03	0.00E+00	7.54E-03	7.38E-04
206	420190.3	3739728	7.80E-03	0.00E+00	7.80E-03	7.63E-04
207	420180.9	3739728	8.06E-03	0.00E+00	8.06E-03	7.89E-04
208	420171.5	3739728	8.34E-03	0.00E+00	8.34E-03	8.16E-04
209	420162.2	3739728	8.61E-03	0.00E+00	8.61E-03	8.44E-04
210	420152.8	3739728	8.90E-03	0.00E+00	8.90E-03	8.71E-04
211	420143.4	3739728	9.17E-03	0.00E+00	9.17E-03	8.98E-04
212	420134	3739728	9.44E-03	0.00E+00	9.44E-03	9.25E-04
213	420124.7	3739728	9.71E-03	0.00E+00	9.71E-03	9.50E-04
214	420115.3	3739728	9.96E-03	0.00E+00	9.96E-03	9.75E-04
215	420105.9	3739728	1.02E-02	0.00E+00	1.02E-02	9.99E-04
216	420096.6	3739728	1.04E-02	0.00E+00	1.04E-02	1.02E-03
217	420087.2	3739728	1.06E-02	0.00E+00	1.06E-02	1.04E-03
218	420077.8	3739728	1.08E-02	0.00E+00	1.08E-02	1.06E-03
219	420068.5	3739728	1.09E-02	0.00E+00	1.09E-02	1.07E-03
220	420234.4	3739718	6.37E-03	0.00E+00	6.37E-03	6.24E-04
221	420242.9	3739722	6.28E-03	0.00E+00	6.28E-03	6.15E-04
222	420251.3	3739725	6.19E-03	0.00E+00	6.19E-03	6.06E-04
223	420259.8	3739729	6.10E-03	0.00E+00	6.10E-03	5.97E-04
224	420268.3	3739732	6.01E-03	0.00E+00	6.01E-03	5.88E-04
225	420276.7	3739736	5.92E-03	0.00E+00	5.92E-03	5.79E-04
226	420285.2	3739739	5.83E-03	0.00E+00	5.83E-03	5.71E-04
227	420293.6	3739743	5.74E-03	0.00E+00	5.74E-03	5.63E-04
228	420302.1	3739746	5.66E-03	0.00E+00	5.66E-03	5.54E-04

229	420310.6	3739750	5.58E-03	0.00E+00	5.58E-03	5.47E-04
230	420319	3739753	5.50E-03	0.00E+00	5.50E-03	5.38E-04
231	420327.5	3739757	5.42E-03	0.00E+00	5.42E-03	5.30E-04
232	420336	3739760	5.33E-03	0.00E+00	5.33E-03	5.22E-04
233	420386.8	3739781	4.84E-03	0.00E+00	4.84E-03	4.74E-04
234	420395.2	3739785	4.77E-03	0.00E+00	4.77E-03	4.67E-04
235	420403.7	3739788	4.70E-03	0.00E+00	4.70E-03	4.60E-04
236	420412.1	3739792	4.63E-03	0.00E+00	4.63E-03	4.54E-04
237	420424.1	3739804	4.66E-03	0.00E+00	4.66E-03	4.57E-04
238	420427.7	3739812	4.76E-03	0.00E+00	4.76E-03	4.67E-04
239	420431.2	3739820	4.87E-03	0.00E+00	4.87E-03	4.77E-04
240	420438.3	3739837	5.10E-03	0.00E+00	5.10E-03	5.00E-04
241	420441.8	3739846	5.23E-03	0.00E+00	5.23E-03	5.12E-04
242	420445.4	3739854	5.36E-03	0.00E+00	5.36E-03	5.25E-04
243	420448.9	3739863	5.50E-03	0.00E+00	5.50E-03	5.39E-04
244	420199.6	3739708	6.86E-03	0.00E+00	6.86E-03	6.72E-04
245	420190.3	3739708	7.09E-03	0.00E+00	7.09E-03	6.94E-04
246	420180.9	3739708	7.32E-03	0.00E+00	7.32E-03	7.17E-04
247	420171.5	3739708	7.56E-03	0.00E+00	7.56E-03	7.40E-04
248	420162.2	3739708	7.80E-03	0.00E+00	7.80E-03	7.64E-04
249	420152.8	3739708	8.04E-03	0.00E+00	8.04E-03	7.87E-04
250	420143.4	3739708	8.27E-03	0.00E+00	8.27E-03	8.10E-04
251	420134	3739708	8.50E-03	0.00E+00	8.50E-03	8.32E-04
252	420124.7	3739708	8.71E-03	0.00E+00	8.71E-03	8.53E-04
253	420115.3	3739708	8.93E-03	0.00E+00	8.93E-03	8.74E-04
254	420105.9	3739708	9.14E-03	0.00E+00	9.14E-03	8.95E-04
255	420096.6	3739708	9.35E-03	0.00E+00	9.35E-03	9.15E-04
256	420087.2	3739708	9.53E-03	0.00E+00	9.53E-03	9.33E-04
257	420077.8	3739708	9.68E-03	0.00E+00	9.68E-03	9.48E-04
258	420068.5	3739708	9.82E-03	0.00E+00	9.82E-03	9.61E-04
259	420234.9	3739688	5.61E-03	0.00E+00	5.61E-03	5.50E-04
260	420243.5	3739692	5.54E-03	0.00E+00	5.54E-03	5.43E-04
261	420252.1	3739696	5.47E-03	0.00E+00	5.47E-03	5.35E-04
262	420260.7	3739699	5.39E-03	0.00E+00	5.39E-03	5.28E-04
263	420269.4	3739703	5.32E-03	0.00E+00	5.32E-03	5.21E-04
264	420278	3739706	5.25E-03	0.00E+00	5.25E-03	5.14E-04
265	420286.6	3739710	5.17E-03	0.00E+00	5.17E-03	5.07E-04
266	420295.2	3739713	5.10E-03	0.00E+00	5.10E-03	4.99E-04
267	420303.8	3739717	5.03E-03	0.00E+00	5.03E-03	4.92E-04
268	420312.5	3739720	4.96E-03	0.00E+00	4.96E-03	4.86E-04
269	420321.1	3739724	4.89E-03	0.00E+00	4.89E-03	4.79E-04
270	420329.7	3739728	4.82E-03	0.00E+00	4.82E-03	4.72E-04
271	420338.3	3739731	4.76E-03	0.00E+00	4.76E-03	4.66E-04
272	420346.9	3739735	4.69E-03	0.00E+00	4.69E-03	4.59E-04
273	420355.6	3739738	4.62E-03	0.00E+00	4.62E-03	4.52E-04
274	420364.2	3739742	4.55E-03	0.00E+00	4.55E-03	4.46E-04
275	420372.8	3739745	4.48E-03	0.00E+00	4.48E-03	4.38E-04

276	420381.4	3739749	4.41E-03	0.00E+00	4.41E-03	4.32E-04
277	420390	3739752	4.34E-03	0.00E+00	4.34E-03	4.25E-04
278	420398.7	3739756	4.28E-03	0.00E+00	4.28E-03	4.19E-04
279	420407.3	3739760	4.22E-03	0.00E+00	4.22E-03	4.13E-04
280	420445.4	3739782	4.08E-03	0.00E+00	4.08E-03	3.99E-04
281	420449	3739791	4.15E-03	0.00E+00	4.15E-03	4.07E-04
282	420452.6	3739800	4.23E-03	0.00E+00	4.23E-03	4.15E-04
283	420456.2	3739808	4.32E-03	0.00E+00	4.32E-03	4.23E-04
284	420459.8	3739817	4.42E-03	0.00E+00	4.42E-03	4.32E-04
285	420463.4	3739825	4.52E-03	0.00E+00	4.52E-03	4.42E-04
286	420467	3739834	4.62E-03	0.00E+00	4.62E-03	4.52E-04
287	420470.6	3739843	4.73E-03	0.00E+00	4.73E-03	4.63E-04
288	420474.2	3739851	4.85E-03	0.00E+00	4.85E-03	4.75E-04
289	420477.8	3739860	4.98E-03	0.00E+00	4.98E-03	4.87E-04
290	420481.4	3739868	5.12E-03	0.00E+00	5.12E-03	5.01E-04
291	420199.6	3739678	6.02E-03	0.00E+00	6.02E-03	5.89E-04
292	420190.3	3739678	6.20E-03	0.00E+00	6.20E-03	6.07E-04
293	420180.9	3739678	6.39E-03	0.00E+00	6.39E-03	6.26E-04
294	420171.5	3739678	6.59E-03	0.00E+00	6.59E-03	6.45E-04
295	420162.2	3739678	6.78E-03	0.00E+00	6.78E-03	6.64E-04
296	420152.8	3739678	6.98E-03	0.00E+00	6.98E-03	6.83E-04
297	420143.4	3739678	7.16E-03	0.00E+00	7.16E-03	7.02E-04
298	420134	3739678	7.35E-03	0.00E+00	7.35E-03	7.20E-04
299	420124.7	3739678	7.53E-03	0.00E+00	7.53E-03	7.37E-04
300	420115.3	3739678	7.71E-03	0.00E+00	7.71E-03	7.54E-04
301	420105.9	3739678	7.88E-03	0.00E+00	7.88E-03	7.71E-04
302	420096.6	3739678	8.04E-03	0.00E+00	8.04E-03	7.87E-04
303	420087.2	3739678	8.19E-03	0.00E+00	8.19E-03	8.02E-04
304	420077.8	3739678	8.34E-03	0.00E+00	8.34E-03	8.17E-04
305	420068.5	3739678	8.47E-03	0.00E+00	8.47E-03	8.30E-04
306	420234.4	3739658	5.00E-03	0.00E+00	5.00E-03	4.89E-04
307	420242.9	3739662	4.94E-03	0.00E+00	4.94E-03	4.83E-04
308	420251.3	3739665	4.88E-03	0.00E+00	4.88E-03	4.78E-04
309	420259.8	3739669	4.82E-03	0.00E+00	4.82E-03	4.72E-04
310	420268.3	3739672	4.76E-03	0.00E+00	4.76E-03	4.66E-04
311	420276.7	3739676	4.70E-03	0.00E+00	4.70E-03	4.61E-04
312	420285.2	3739679	4.64E-03	0.00E+00	4.64E-03	4.55E-04
313	420293.6	3739683	4.59E-03	0.00E+00	4.59E-03	4.49E-04
314	420302.1	3739686	4.53E-03	0.00E+00	4.53E-03	4.43E-04
315	420310.6	3739690	4.47E-03	0.00E+00	4.47E-03	4.38E-04
316	420319	3739693	4.42E-03	0.00E+00	4.42E-03	4.32E-04
317	420327.5	3739697	4.36E-03	0.00E+00	4.36E-03	4.27E-04
318	420336	3739700	4.31E-03	0.00E+00	4.31E-03	4.22E-04
319	420344.4	3739704	4.25E-03	0.00E+00	4.25E-03	4.16E-04
320	420352.9	3739707	4.20E-03	0.00E+00	4.20E-03	4.11E-04
321	420361.4	3739711	4.14E-03	0.00E+00	4.14E-03	4.05E-04
322	420369.8	3739714	4.08E-03	0.00E+00	4.08E-03	3.99E-04

323	420378.3	3739718	4.02E-03	0.00E+00	4.02E-03	3.94E-04
324	420386.8	3739721	3.96E-03	0.00E+00	3.96E-03	3.88E-04
325	420395.2	3739725	3.91E-03	0.00E+00	3.91E-03	3.83E-04
326	420403.7	3739728	3.85E-03	0.00E+00	3.85E-03	3.77E-04
327	420412.1	3739732	3.80E-03	0.00E+00	3.80E-03	3.72E-04
328	420420.6	3739735	3.75E-03	0.00E+00	3.75E-03	3.67E-04
329	420429.1	3739739	3.71E-03	0.00E+00	3.71E-03	3.63E-04
330	420437.5	3739742	3.66E-03	0.00E+00	3.66E-03	3.58E-04
331	420446	3739746	3.62E-03	0.00E+00	3.62E-03	3.54E-04
332	420454.5	3739749	3.57E-03	0.00E+00	3.57E-03	3.50E-04
333	420466.5	3739761	3.59E-03	0.00E+00	3.59E-03	3.52E-04
334	420477.1	3739786	3.79E-03	0.00E+00	3.79E-03	3.71E-04
335	420480.6	3739795	3.86E-03	0.00E+00	3.86E-03	3.78E-04
336	420484.1	3739803	3.93E-03	0.00E+00	3.93E-03	3.85E-04
337	420487.7	3739812	4.01E-03	0.00E+00	4.01E-03	3.93E-04
338	420494.8	3739829	4.19E-03	0.00E+00	4.19E-03	4.10E-04
339	420199.6	3739648	5.33E-03	0.00E+00	5.33E-03	5.22E-04
340	420190.3	3739648	5.48E-03	0.00E+00	5.48E-03	5.37E-04
341	420180.9	3739648	5.64E-03	0.00E+00	5.64E-03	5.52E-04
342	420171.5	3739648	5.80E-03	0.00E+00	5.80E-03	5.68E-04
343	420162.2	3739648	5.96E-03	0.00E+00	5.96E-03	5.84E-04
344	420152.8	3739648	6.12E-03	0.00E+00	6.12E-03	5.99E-04
345	420143.4	3739648	6.28E-03	0.00E+00	6.28E-03	6.15E-04
346	420134	3739648	6.43E-03	0.00E+00	6.43E-03	6.30E-04
347	420124.7	3739648	6.58E-03	0.00E+00	6.58E-03	6.45E-04
348	420115.3	3739648	6.73E-03	0.00E+00	6.73E-03	6.59E-04
349	420105.9	3739648	6.88E-03	0.00E+00	6.88E-03	6.74E-04
350	420096.6	3739648	7.02E-03	0.00E+00	7.02E-03	6.87E-04
351	420087.2	3739648	7.16E-03	0.00E+00	7.16E-03	7.01E-04
352	420077.8	3739648	7.29E-03	0.00E+00	7.29E-03	7.13E-04
353	420068.5	3739648	7.40E-03	0.00E+00	7.40E-03	7.25E-04
354	420234.8	3739628	4.48E-03	0.00E+00	4.48E-03	4.39E-04
355	420243.4	3739632	4.43E-03	0.00E+00	4.43E-03	4.34E-04
356	420252	3739635	4.38E-03	0.00E+00	4.38E-03	4.29E-04
357	420260.6	3739639	4.33E-03	0.00E+00	4.33E-03	4.24E-04
358	420269.2	3739643	4.28E-03	0.00E+00	4.28E-03	4.19E-04
359	420277.8	3739646	4.23E-03	0.00E+00	4.23E-03	4.14E-04
360	420286.4	3739650	4.18E-03	0.00E+00	4.18E-03	4.10E-04
361	420295	3739653	4.13E-03	0.00E+00	4.13E-03	4.05E-04
362	420303.6	3739657	4.09E-03	0.00E+00	4.09E-03	4.00E-04
363	420312.2	3739660	4.04E-03	0.00E+00	4.04E-03	3.95E-04
364	420320.8	3739664	3.99E-03	0.00E+00	3.99E-03	3.91E-04
365	420329.4	3739667	3.94E-03	0.00E+00	3.94E-03	3.86E-04
366	420338	3739671	3.90E-03	0.00E+00	3.90E-03	3.81E-04
367	420346.6	3739674	3.85E-03	0.00E+00	3.85E-03	3.77E-04
368	420355.1	3739678	3.80E-03	0.00E+00	3.80E-03	3.72E-04
369	420363.7	3739682	3.75E-03	0.00E+00	3.75E-03	3.67E-04

370	420372.3	3739685	3.70E-03	0.00E+00	3.70E-03	3.62E-04
371	420380.9	3739689	3.65E-03	0.00E+00	3.65E-03	3.58E-04
372	420389.5	3739692	3.60E-03	0.00E+00	3.60E-03	3.53E-04
373	420398.1	3739696	3.55E-03	0.00E+00	3.55E-03	3.48E-04
374	420406.7	3739699	3.51E-03	0.00E+00	3.51E-03	3.43E-04
375	420415.3	3739703	3.46E-03	0.00E+00	3.46E-03	3.39E-04
376	420423.9	3739706	3.41E-03	0.00E+00	3.41E-03	3.34E-04
377	420432.5	3739710	3.37E-03	0.00E+00	3.37E-03	3.30E-04
378	420441.1	3739714	3.33E-03	0.00E+00	3.33E-03	3.26E-04
379	420449.7	3739717	3.29E-03	0.00E+00	3.29E-03	3.22E-04
380	420458.3	3739721	3.25E-03	0.00E+00	3.25E-03	3.18E-04
381	420466.9	3739724	3.21E-03	0.00E+00	3.21E-03	3.15E-04
382	420475.5	3739728	3.18E-03	0.00E+00	3.18E-03	3.11E-04
383	420487.7	3739740	3.19E-03	0.00E+00	3.19E-03	3.12E-04
384	420491.3	3739748	3.24E-03	0.00E+00	3.24E-03	3.18E-04
385	420494.9	3739757	3.30E-03	0.00E+00	3.30E-03	3.23E-04
386	420199.6	3739618	4.76E-03	0.00E+00	4.76E-03	4.66E-04
387	420190.3	3739618	4.88E-03	0.00E+00	4.88E-03	4.78E-04
388	420180.9	3739618	5.01E-03	0.00E+00	5.01E-03	4.91E-04
389	420171.5	3739618	5.15E-03	0.00E+00	5.15E-03	5.04E-04
390	420162.2	3739618	5.28E-03	0.00E+00	5.28E-03	5.17E-04
391	420152.8	3739618	5.42E-03	0.00E+00	5.42E-03	5.31E-04
392	420143.4	3739618	5.56E-03	0.00E+00	5.56E-03	5.44E-04
393	420134	3739618	5.70E-03	0.00E+00	5.70E-03	5.58E-04
394	420124.7	3739618	5.83E-03	0.00E+00	5.83E-03	5.71E-04
395	420115.3	3739618	5.97E-03	0.00E+00	5.97E-03	5.84E-04
396	420105.9	3739618	6.10E-03	0.00E+00	6.10E-03	5.97E-04
397	420096.6	3739618	6.23E-03	0.00E+00	6.23E-03	6.10E-04
398	420087.2	3739618	6.35E-03	0.00E+00	6.35E-03	6.22E-04
399	420077.8	3739618	6.46E-03	0.00E+00	6.46E-03	6.33E-04
400	420068.5	3739618	6.57E-03	0.00E+00	6.57E-03	6.44E-04
401	420234.4	3739598	4.05E-03	0.00E+00	4.05E-03	3.96E-04
402	420242.9	3739602	4.00E-03	0.00E+00	4.00E-03	3.92E-04
403	420251.3	3739605	3.96E-03	0.00E+00	3.96E-03	3.88E-04
404	420259.8	3739609	3.92E-03	0.00E+00	3.92E-03	3.84E-04
405	420268.3	3739612	3.88E-03	0.00E+00	3.88E-03	3.80E-04
406	420276.7	3739616	3.84E-03	0.00E+00	3.84E-03	3.76E-04
407	420285.2	3739619	3.80E-03	0.00E+00	3.80E-03	3.72E-04
408	420293.6	3739623	3.76E-03	0.00E+00	3.76E-03	3.68E-04
409	420302.1	3739626	3.72E-03	0.00E+00	3.72E-03	3.64E-04
410	420310.6	3739630	3.68E-03	0.00E+00	3.68E-03	3.60E-04
411	420319	3739633	3.64E-03	0.00E+00	3.64E-03	3.56E-04
412	420327.5	3739637	3.60E-03	0.00E+00	3.60E-03	3.52E-04
413	420336	3739640	3.56E-03	0.00E+00	3.56E-03	3.48E-04
414	420344.4	3739644	3.52E-03	0.00E+00	3.52E-03	3.45E-04
415	420352.9	3739647	3.48E-03	0.00E+00	3.48E-03	3.41E-04
416	420361.4	3739651	3.44E-03	0.00E+00	3.44E-03	3.37E-04

417	420369.8	3739654	3.40E-03	0.00E+00	3.40E-03	3.33E-04
418	420378.3	3739658	3.36E-03	0.00E+00	3.36E-03	3.29E-04
419	420386.8	3739661	3.32E-03	0.00E+00	3.32E-03	3.25E-04
420	420395.2	3739665	3.28E-03	0.00E+00	3.28E-03	3.21E-04
421	420403.7	3739668	3.23E-03	0.00E+00	3.23E-03	3.17E-04
422	420412.1	3739672	3.19E-03	0.00E+00	3.19E-03	3.13E-04
423	420420.6	3739675	3.15E-03	0.00E+00	3.15E-03	3.09E-04
424	420429.1	3739679	3.12E-03	0.00E+00	3.12E-03	3.05E-04
425	420437.5	3739682	3.08E-03	0.00E+00	3.08E-03	3.01E-04
426	420446	3739686	3.04E-03	0.00E+00	3.04E-03	2.98E-04
427	420454.5	3739689	3.00E-03	0.00E+00	3.00E-03	2.94E-04
428	420462.9	3739693	2.97E-03	0.00E+00	2.97E-03	2.91E-04
429	420471.4	3739696	2.94E-03	0.00E+00	2.94E-03	2.88E-04
430	420479.9	3739700	2.90E-03	0.00E+00	2.90E-03	2.84E-04
431	420488.3	3739703	2.87E-03	0.00E+00	2.87E-03	2.81E-04
432	420496.8	3739707	2.84E-03	0.00E+00	2.84E-03	2.78E-04
433	420508.8	3739718	2.85E-03	0.00E+00	2.85E-03	2.79E-04
434	420512.3	3739727	2.89E-03	0.00E+00	2.89E-03	2.83E-04
435	420519.4	3739744	2.98E-03	0.00E+00	2.98E-03	2.92E-04
436	420522.9	3739752	3.03E-03	0.00E+00	3.03E-03	2.97E-04
437	420199.6	3739588	4.27E-03	0.00E+00	4.27E-03	4.19E-04
438	420190.3	3739588	4.38E-03	0.00E+00	4.38E-03	4.29E-04
439	420180.9	3739588	4.49E-03	0.00E+00	4.49E-03	4.39E-04
440	420171.5	3739588	4.60E-03	0.00E+00	4.60E-03	4.51E-04
441	420162.2	3739588	4.72E-03	0.00E+00	4.72E-03	4.62E-04
442	420152.8	3739588	4.84E-03	0.00E+00	4.84E-03	4.74E-04
443	420143.4	3739588	4.96E-03	0.00E+00	4.96E-03	4.85E-04
444	420134	3739588	5.08E-03	0.00E+00	5.08E-03	4.97E-04
445	420124.7	3739588	5.20E-03	0.00E+00	5.20E-03	5.09E-04
446	420115.3	3739588	5.31E-03	0.00E+00	5.31E-03	5.20E-04
447	420105.9	3739588	5.43E-03	0.00E+00	5.43E-03	5.31E-04
448	420096.6	3739588	5.54E-03	0.00E+00	5.54E-03	5.42E-04
449	420087.2	3739588	5.64E-03	0.00E+00	5.64E-03	5.53E-04
450	420077.8	3739588	5.74E-03	0.00E+00	5.74E-03	5.62E-04
451	420068.5	3739588	5.84E-03	0.00E+00	5.84E-03	5.72E-04
452	420234.7	3739568	3.67E-03	0.00E+00	3.67E-03	3.59E-04
453	420243.3	3739572	3.64E-03	0.00E+00	3.64E-03	3.56E-04
454	420251.9	3739575	3.60E-03	0.00E+00	3.60E-03	3.52E-04
455	420260.5	3739579	3.56E-03	0.00E+00	3.56E-03	3.49E-04
456	420269.1	3739583	3.53E-03	0.00E+00	3.53E-03	3.45E-04
457	420277.6	3739586	3.49E-03	0.00E+00	3.49E-03	3.42E-04
458	420286.2	3739590	3.46E-03	0.00E+00	3.46E-03	3.39E-04
459	420294.8	3739593	3.42E-03	0.00E+00	3.42E-03	3.35E-04
460	420303.4	3739597	3.39E-03	0.00E+00	3.39E-03	3.32E-04
461	420311.9	3739600	3.35E-03	0.00E+00	3.35E-03	3.28E-04
462	420320.5	3739604	3.32E-03	0.00E+00	3.32E-03	3.25E-04
463	420329.1	3739607	3.29E-03	0.00E+00	3.29E-03	3.22E-04

464	420337.7	3739611	3.25E-03	0.00E+00	3.25E-03	3.18E-04
465	420346.3	3739614	3.21E-03	0.00E+00	3.21E-03	3.15E-04
466	420354.8	3739618	3.18E-03	0.00E+00	3.18E-03	3.11E-04
467	420363.4	3739621	3.14E-03	0.00E+00	3.14E-03	3.08E-04
468	420372	3739625	3.11E-03	0.00E+00	3.11E-03	3.04E-04
469	420380.6	3739629	3.08E-03	0.00E+00	3.08E-03	3.01E-04
470	420389.2	3739632	3.04E-03	0.00E+00	3.04E-03	2.98E-04
471	420397.7	3739636	3.01E-03	0.00E+00	3.01E-03	2.94E-04
472	420406.3	3739639	2.97E-03	0.00E+00	2.97E-03	2.91E-04
473	420414.9	3739643	2.93E-03	0.00E+00	2.93E-03	2.87E-04
474	420423.5	3739646	2.85E-03	0.00E+00	2.85E-03	2.79E-04
475	420432.1	3739650	2.81E-03	0.00E+00	2.81E-03	2.76E-04
476	420440.6	3739653	2.78E-03	0.00E+00	2.78E-03	2.72E-04
477	420449.2	3739657	2.74E-03	0.00E+00	2.74E-03	2.68E-04
478	420457.8	3739660	2.71E-03	0.00E+00	2.71E-03	2.65E-04
479	420466.4	3739664	2.68E-03	0.00E+00	2.68E-03	2.62E-04
480	420474.9	3739667	2.70E-03	0.00E+00	2.70E-03	2.65E-04
481	420483.5	3739671	2.67E-03	0.00E+00	2.67E-03	2.62E-04
482	420492.1	3739675	2.64E-03	0.00E+00	2.64E-03	2.59E-04
483	420500.7	3739678	2.62E-03	0.00E+00	2.62E-03	2.56E-04
484	420509.3	3739682	2.59E-03	0.00E+00	2.59E-03	2.53E-04
485	420517.8	3739685	2.56E-03	0.00E+00	2.56E-03	2.51E-04
486	420199.6	3739558	3.87E-03	0.00E+00	3.87E-03	3.78E-04
487	420190.3	3739558	3.96E-03	0.00E+00	3.96E-03	3.87E-04
488	420180.9	3739558	4.05E-03	0.00E+00	4.05E-03	3.97E-04
489	420171.5	3739558	4.15E-03	0.00E+00	4.15E-03	4.06E-04
490	420162.2	3739558	4.25E-03	0.00E+00	4.25E-03	4.16E-04
491	420152.8	3739558	4.35E-03	0.00E+00	4.35E-03	4.26E-04
492	420143.4	3739558	4.45E-03	0.00E+00	4.45E-03	4.36E-04
493	420134	3739558	4.56E-03	0.00E+00	4.56E-03	4.46E-04
494	420124.7	3739558	4.66E-03	0.00E+00	4.66E-03	4.56E-04
495	420115.3	3739558	4.76E-03	0.00E+00	4.76E-03	4.66E-04
496	420105.9	3739558	4.86E-03	0.00E+00	4.86E-03	4.76E-04
497	420096.6	3739558	4.95E-03	0.00E+00	4.95E-03	4.85E-04
498	420087.2	3739558	5.05E-03	0.00E+00	5.05E-03	4.94E-04
499	420077.8	3739558	5.13E-03	0.00E+00	5.13E-03	5.03E-04
500	420068.5	3739558	5.21E-03	0.00E+00	5.21E-03	5.11E-04
501	420234.4	3739538	3.35E-03	0.00E+00	3.35E-03	3.28E-04
502	420242.9	3739542	3.32E-03	0.00E+00	3.32E-03	3.25E-04
503	420251.3	3739545	3.29E-03	0.00E+00	3.29E-03	3.22E-04
504	420259.8	3739549	3.26E-03	0.00E+00	3.26E-03	3.19E-04
505	420268.3	3739552	3.23E-03	0.00E+00	3.23E-03	3.16E-04
506	420276.7	3739556	3.20E-03	0.00E+00	3.20E-03	3.13E-04
507	420285.2	3739559	3.17E-03	0.00E+00	3.17E-03	3.10E-04
508	420293.6	3739563	3.14E-03	0.00E+00	3.14E-03	3.08E-04
509	420302.1	3739566	3.11E-03	0.00E+00	3.11E-03	3.05E-04
510	420310.6	3739570	3.08E-03	0.00E+00	3.08E-03	3.02E-04

511	420319	3739573	3.05E-03	0.00E+00	3.05E-03	2.99E-04
512	420327.5	3739577	3.02E-03	0.00E+00	3.02E-03	2.96E-04
513	420336	3739580	3.00E-03	0.00E+00	3.00E-03	2.93E-04
514	420344.4	3739584	2.97E-03	0.00E+00	2.97E-03	2.90E-04
515	420352.9	3739587	2.94E-03	0.00E+00	2.94E-03	2.87E-04
516	420361.4	3739591	2.90E-03	0.00E+00	2.90E-03	2.84E-04
517	420369.8	3739594	2.88E-03	0.00E+00	2.88E-03	2.82E-04
518	420378.3	3739598	2.85E-03	0.00E+00	2.85E-03	2.79E-04
519	420386.8	3739601	2.82E-03	0.00E+00	2.82E-03	2.76E-04
520	420395.2	3739605	2.79E-03	0.00E+00	2.79E-03	2.73E-04
521	420403.7	3739608	2.76E-03	0.00E+00	2.76E-03	2.70E-04
522	420412.1	3739612	2.69E-03	0.00E+00	2.69E-03	2.64E-04
523	420420.6	3739615	2.65E-03	0.00E+00	2.65E-03	2.60E-04
524	420429.1	3739619	2.62E-03	0.00E+00	2.62E-03	2.56E-04
525	420437.5	3739622	2.58E-03	0.00E+00	2.58E-03	2.53E-04
526	420446	3739626	2.55E-03	0.00E+00	2.55E-03	2.49E-04
527	420454.5	3739629	2.52E-03	0.00E+00	2.52E-03	2.47E-04
528	420462.9	3739633	2.51E-03	0.00E+00	2.51E-03	2.45E-04
529	420471.4	3739636	2.53E-03	0.00E+00	2.53E-03	2.47E-04
530	420479.9	3739640	2.50E-03	0.00E+00	2.50E-03	2.45E-04
531	420488.3	3739643	2.48E-03	0.00E+00	2.48E-03	2.42E-04
532	420496.8	3739647	2.45E-03	0.00E+00	2.45E-03	2.40E-04
533	420505.3	3739650	2.43E-03	0.00E+00	2.43E-03	2.37E-04
534	420513.7	3739653	2.40E-03	0.00E+00	2.40E-03	2.35E-04
535	420522.2	3739657	2.38E-03	0.00E+00	2.38E-03	2.33E-04
536	420199.6	3739528	3.52E-03	0.00E+00	3.52E-03	3.45E-04
537	420190.3	3739528	3.60E-03	0.00E+00	3.60E-03	3.52E-04
538	420180.9	3739528	3.67E-03	0.00E+00	3.67E-03	3.60E-04
539	420171.5	3739528	3.76E-03	0.00E+00	3.76E-03	3.68E-04
540	420162.2	3739528	3.84E-03	0.00E+00	3.84E-03	3.76E-04
541	420152.8	3739528	3.93E-03	0.00E+00	3.93E-03	3.85E-04
542	420143.4	3739528	4.02E-03	0.00E+00	4.02E-03	3.94E-04
543	420134	3739528	4.11E-03	0.00E+00	4.11E-03	4.03E-04
544	420124.7	3739528	4.20E-03	0.00E+00	4.20E-03	4.11E-04
545	420115.3	3739528	4.29E-03	0.00E+00	4.29E-03	4.20E-04
546	420105.9	3739528	4.38E-03	0.00E+00	4.38E-03	4.28E-04
547	420096.6	3739528	4.46E-03	0.00E+00	4.46E-03	4.37E-04
548	420087.2	3739528	4.54E-03	0.00E+00	4.54E-03	4.45E-04
549	420077.8	3739528	4.62E-03	0.00E+00	4.62E-03	4.52E-04
550	420068.5	3739528	4.69E-03	0.00E+00	4.69E-03	4.59E-04
551	420234.7	3739508	3.07E-03	0.00E+00	3.07E-03	3.01E-04
552	420243.3	3739512	3.05E-03	0.00E+00	3.05E-03	2.98E-04
553	420251.8	3739515	3.02E-03	0.00E+00	3.02E-03	2.96E-04
554	420260.4	3739519	2.99E-03	0.00E+00	2.99E-03	2.93E-04
555	420269	3739522	2.96E-03	0.00E+00	2.96E-03	2.90E-04
556	420277.5	3739526	2.94E-03	0.00E+00	2.94E-03	2.88E-04
557	420286.1	3739530	2.91E-03	0.00E+00	2.91E-03	2.85E-04

558	420294.7	3739533	2.89E-03	0.00E+00	2.89E-03	2.83E-04
559	420303.2	3739537	2.86E-03	0.00E+00	2.86E-03	2.80E-04
560	420311.8	3739540	2.84E-03	0.00E+00	2.84E-03	2.78E-04
561	420320.4	3739544	2.81E-03	0.00E+00	2.81E-03	2.75E-04
562	420328.9	3739547	2.79E-03	0.00E+00	2.79E-03	2.73E-04
563	420337.5	3739551	2.76E-03	0.00E+00	2.76E-03	2.70E-04
564	420346	3739554	2.74E-03	0.00E+00	2.74E-03	2.68E-04
565	420354.6	3739558	2.71E-03	0.00E+00	2.71E-03	2.65E-04
566	420363.2	3739561	2.69E-03	0.00E+00	2.69E-03	2.63E-04
567	420371.7	3739565	2.66E-03	0.00E+00	2.66E-03	2.61E-04
568	420380.3	3739568	2.64E-03	0.00E+00	2.64E-03	2.58E-04
569	420388.9	3739572	2.61E-03	0.00E+00	2.61E-03	2.56E-04
570	420397.4	3739575	2.58E-03	0.00E+00	2.58E-03	2.53E-04
571	420406	3739579	2.56E-03	0.00E+00	2.56E-03	2.50E-04
572	420414.6	3739583	2.53E-03	0.00E+00	2.53E-03	2.48E-04
573	420423.1	3739586	2.50E-03	0.00E+00	2.50E-03	2.45E-04
574	420431.7	3739590	2.48E-03	0.00E+00	2.48E-03	2.43E-04
575	420440.3	3739593	2.45E-03	0.00E+00	2.45E-03	2.40E-04
576	420448.8	3739597	2.43E-03	0.00E+00	2.43E-03	2.37E-04
577	420457.4	3739600	2.40E-03	0.00E+00	2.40E-03	2.35E-04
578	420466	3739604	2.38E-03	0.00E+00	2.38E-03	2.33E-04
579	420474.5	3739607	2.35E-03	0.00E+00	2.35E-03	2.30E-04
580	420483.1	3739611	2.33E-03	0.00E+00	2.33E-03	2.28E-04
581	420491.7	3739614	2.31E-03	0.00E+00	2.31E-03	2.26E-04
582	420500.2	3739618	2.28E-03	0.00E+00	2.28E-03	2.23E-04
583	420508.8	3739621	2.26E-03	0.00E+00	2.26E-03	2.21E-04
584	420517.3	3739625	2.24E-03	0.00E+00	2.24E-03	2.19E-04
585	420199.6	3739498	3.22E-03	0.00E+00	3.22E-03	3.16E-04
586	420190.3	3739498	3.29E-03	0.00E+00	3.29E-03	3.22E-04
587	420180.9	3739498	3.36E-03	0.00E+00	3.36E-03	3.29E-04
588	420171.5	3739498	3.43E-03	0.00E+00	3.43E-03	3.36E-04
589	420162.2	3739498	3.50E-03	0.00E+00	3.50E-03	3.43E-04
590	420152.8	3739498	3.57E-03	0.00E+00	3.57E-03	3.50E-04
591	420143.4	3739498	3.65E-03	0.00E+00	3.65E-03	3.57E-04
592	420134	3739498	3.73E-03	0.00E+00	3.73E-03	3.65E-04
593	420124.7	3739498	3.80E-03	0.00E+00	3.80E-03	3.73E-04
594	420115.3	3739498	3.88E-03	0.00E+00	3.88E-03	3.80E-04
595	420105.9	3739498	3.96E-03	0.00E+00	3.96E-03	3.88E-04
596	420096.6	3739498	4.04E-03	0.00E+00	4.04E-03	3.95E-04
597	420087.2	3739498	4.11E-03	0.00E+00	4.11E-03	4.03E-04
598	420077.8	3739498	4.18E-03	0.00E+00	4.18E-03	4.09E-04
599	420068.5	3739498	4.25E-03	0.00E+00	4.25E-03	4.16E-04
600	420235	3739478	2.83E-03	0.00E+00	2.83E-03	2.77E-04
601	420243.6	3739482	2.80E-03	0.00E+00	2.80E-03	2.75E-04
602	420252.3	3739486	2.78E-03	0.00E+00	2.78E-03	2.72E-04
603	420260.9	3739489	2.76E-03	0.00E+00	2.76E-03	2.70E-04
604	420269.6	3739493	2.73E-03	0.00E+00	2.73E-03	2.68E-04

605	420278.3	3739496	2.71E-03	0.00E+00	2.71E-03	2.65E-04
606	420286.9	3739500	2.69E-03	0.00E+00	2.69E-03	2.63E-04
607	420295.6	3739503	2.67E-03	0.00E+00	2.67E-03	2.61E-04
608	420304.2	3739507	2.64E-03	0.00E+00	2.64E-03	2.59E-04
609	420312.9	3739511	2.62E-03	0.00E+00	2.62E-03	2.57E-04
610	420321.5	3739514	2.60E-03	0.00E+00	2.60E-03	2.55E-04
611	420330.2	3739518	2.58E-03	0.00E+00	2.58E-03	2.52E-04
612	420338.9	3739521	2.56E-03	0.00E+00	2.56E-03	2.50E-04
613	420347.5	3739525	2.54E-03	0.00E+00	2.54E-03	2.48E-04
614	420356.2	3739528	2.51E-03	0.00E+00	2.51E-03	2.46E-04
615	420364.8	3739532	2.49E-03	0.00E+00	2.49E-03	2.44E-04
616	420373.5	3739536	2.47E-03	0.00E+00	2.47E-03	2.42E-04
617	420382.1	3739539	2.45E-03	0.00E+00	2.45E-03	2.40E-04
618	420390.8	3739543	2.42E-03	0.00E+00	2.42E-03	2.37E-04
619	420399.5	3739546	2.40E-03	0.00E+00	2.40E-03	2.35E-04
620	420408.1	3739550	2.38E-03	0.00E+00	2.38E-03	2.33E-04
621	420416.8	3739553	2.35E-03	0.00E+00	2.35E-03	2.31E-04
622	420425.4	3739557	2.33E-03	0.00E+00	2.33E-03	2.28E-04
623	420434.1	3739561	2.31E-03	0.00E+00	2.31E-03	2.26E-04
624	420442.7	3739564	2.29E-03	0.00E+00	2.29E-03	2.24E-04
625	420451.4	3739568	2.26E-03	0.00E+00	2.26E-03	2.22E-04
626	420460.1	3739571	2.24E-03	0.00E+00	2.24E-03	2.20E-04
627	420468.7	3739575	2.22E-03	0.00E+00	2.22E-03	2.17E-04
628	420477.4	3739578	2.20E-03	0.00E+00	2.20E-03	2.15E-04
629	420486	3739582	2.18E-03	0.00E+00	2.18E-03	2.13E-04
630	420494.7	3739586	2.15E-03	0.00E+00	2.15E-03	2.11E-04
631	420503.3	3739589	2.13E-03	0.00E+00	2.13E-03	2.09E-04
632	420512	3739593	2.11E-03	0.00E+00	2.11E-03	2.07E-04
633	420520.6	3739596	2.09E-03	0.00E+00	2.09E-03	2.04E-04
634	420730.9	3739962	3.69E-03	0.00E+00	3.69E-03	3.62E-04
635	420734.5	3739970	3.78E-03	0.00E+00	3.78E-03	3.70E-04
636	420199.6	3739468	2.96E-03	0.00E+00	2.96E-03	2.90E-04
637	420190.3	3739468	3.02E-03	0.00E+00	3.02E-03	2.96E-04
638	420180.9	3739468	3.09E-03	0.00E+00	3.09E-03	3.02E-04
639	420171.5	3739468	3.15E-03	0.00E+00	3.15E-03	3.08E-04
640	420162.2	3739468	3.21E-03	0.00E+00	3.21E-03	3.14E-04
641	420152.8	3739468	3.27E-03	0.00E+00	3.27E-03	3.20E-04
642	420143.4	3739468	3.33E-03	0.00E+00	3.33E-03	3.27E-04
643	420134	3739468	3.40E-03	0.00E+00	3.40E-03	3.33E-04
644	420124.7	3739468	3.47E-03	0.00E+00	3.47E-03	3.40E-04
645	420115.3	3739468	3.54E-03	0.00E+00	3.54E-03	3.46E-04
646	420105.9	3739468	3.61E-03	0.00E+00	3.61E-03	3.53E-04
647	420096.6	3739468	3.67E-03	0.00E+00	3.67E-03	3.60E-04
648	420087.2	3739468	3.74E-03	0.00E+00	3.74E-03	3.66E-04
649	420077.8	3739468	3.80E-03	0.00E+00	3.80E-03	3.73E-04
650	420068.5	3739468	3.87E-03	0.00E+00	3.87E-03	3.79E-04
651	420234.7	3739448	2.62E-03	0.00E+00	2.62E-03	2.56E-04

652	420243.2	3739452	2.59E-03	0.00E+00	2.59E-03	2.54E-04
653	420251.8	3739455	2.57E-03	0.00E+00	2.57E-03	2.52E-04
654	420260.3	3739459	2.55E-03	0.00E+00	2.55E-03	2.50E-04
655	420268.9	3739462	2.53E-03	0.00E+00	2.53E-03	2.48E-04
656	420277.4	3739466	2.51E-03	0.00E+00	2.51E-03	2.46E-04
657	420286	3739469	2.49E-03	0.00E+00	2.49E-03	2.44E-04
658	420294.5	3739473	2.47E-03	0.00E+00	2.47E-03	2.42E-04
659	420303.1	3739477	2.45E-03	0.00E+00	2.45E-03	2.40E-04
660	420311.7	3739480	2.43E-03	0.00E+00	2.43E-03	2.38E-04
661	420320.2	3739484	2.42E-03	0.00E+00	2.42E-03	2.37E-04
662	420328.8	3739487	2.40E-03	0.00E+00	2.40E-03	2.35E-04
663	420337.3	3739491	2.38E-03	0.00E+00	2.38E-03	2.33E-04
664	420345.9	3739494	2.36E-03	0.00E+00	2.36E-03	2.31E-04
665	420354.4	3739498	2.34E-03	0.00E+00	2.34E-03	2.29E-04
666	420363	3739501	2.32E-03	0.00E+00	2.32E-03	2.28E-04
667	420371.5	3739505	2.31E-03	0.00E+00	2.31E-03	2.26E-04
668	420380.1	3739508	2.29E-03	0.00E+00	2.29E-03	2.24E-04
669	420388.6	3739512	2.27E-03	0.00E+00	2.27E-03	2.22E-04
670	420397.2	3739515	2.25E-03	0.00E+00	2.25E-03	2.20E-04
671	420405.8	3739519	2.23E-03	0.00E+00	2.23E-03	2.18E-04
672	420414.3	3739522	2.21E-03	0.00E+00	2.21E-03	2.16E-04
673	420422.9	3739526	2.19E-03	0.00E+00	2.19E-03	2.14E-04
674	420431.4	3739530	2.17E-03	0.00E+00	2.17E-03	2.12E-04
675	420440	3739533	2.15E-03	0.00E+00	2.15E-03	2.11E-04
676	420448.5	3739537	2.13E-03	0.00E+00	2.13E-03	2.09E-04
677	420457.1	3739540	2.11E-03	0.00E+00	2.11E-03	2.07E-04
678	420465.6	3739544	2.09E-03	0.00E+00	2.09E-03	2.05E-04
679	420474.2	3739547	2.07E-03	0.00E+00	2.07E-03	2.03E-04
680	420482.7	3739551	2.05E-03	0.00E+00	2.05E-03	2.01E-04
681	420491.3	3739554	2.03E-03	0.00E+00	2.03E-03	1.99E-04
682	420499.9	3739558	2.01E-03	0.00E+00	2.01E-03	1.97E-04
683	420508.4	3739561	1.99E-03	0.00E+00	1.99E-03	1.95E-04
684	420517	3739565	1.97E-03	0.00E+00	1.97E-03	1.93E-04
685	420525.5	3739568	1.95E-03	0.00E+00	1.95E-03	1.91E-04
686	420729	3739885	2.96E-03	0.00E+00	2.96E-03	2.90E-04
687	420732.5	3739894	3.02E-03	0.00E+00	3.02E-03	2.96E-04
688	420736.1	3739902	3.08E-03	0.00E+00	3.08E-03	3.02E-04
689	420739.7	3739911	3.15E-03	0.00E+00	3.15E-03	3.08E-04
690	420743.3	3739920	3.21E-03	0.00E+00	3.21E-03	3.14E-04
691	420746.8	3739928	3.28E-03	0.00E+00	3.28E-03	3.21E-04
692	420750.4	3739937	3.34E-03	0.00E+00	3.34E-03	3.27E-04
693	420754	3739945	3.41E-03	0.00E+00	3.41E-03	3.34E-04
694	420757.6	3739954	3.48E-03	0.00E+00	3.48E-03	3.41E-04
695	420761.1	3739962	3.55E-03	0.00E+00	3.55E-03	3.47E-04
696	420764.7	3739971	3.62E-03	0.00E+00	3.62E-03	3.54E-04
697	420199.6	3739438	2.74E-03	0.00E+00	2.74E-03	2.68E-04
698	420190.3	3739438	2.79E-03	0.00E+00	2.79E-03	2.73E-04

699	420180.9	3739438	2.84E-03	0.00E+00	2.84E-03	2.78E-04
700	420171.5	3739438	2.90E-03	0.00E+00	2.90E-03	2.84E-04
701	420162.2	3739438	2.95E-03	0.00E+00	2.95E-03	2.89E-04
702	420152.8	3739438	3.01E-03	0.00E+00	3.01E-03	2.95E-04
703	420143.4	3739438	3.07E-03	0.00E+00	3.07E-03	3.00E-04
704	420134	3739438	3.12E-03	0.00E+00	3.12E-03	3.06E-04
705	420124.7	3739438	3.18E-03	0.00E+00	3.18E-03	3.11E-04
706	420115.3	3739438	3.24E-03	0.00E+00	3.24E-03	3.17E-04
707	420105.9	3739438	3.30E-03	0.00E+00	3.30E-03	3.23E-04
708	420096.6	3739438	3.36E-03	0.00E+00	3.36E-03	3.29E-04
709	420087.2	3739438	3.42E-03	0.00E+00	3.42E-03	3.35E-04
710	420077.8	3739438	3.48E-03	0.00E+00	3.48E-03	3.41E-04
711	420068.5	3739438	3.53E-03	0.00E+00	3.53E-03	3.46E-04
712	420234.9	3739418	2.42E-03	0.00E+00	2.42E-03	2.37E-04
713	420243.6	3739422	2.40E-03	0.00E+00	2.40E-03	2.35E-04
714	420252.2	3739426	2.38E-03	0.00E+00	2.38E-03	2.33E-04
715	420260.8	3739429	2.36E-03	0.00E+00	2.36E-03	2.31E-04
716	420269.5	3739433	2.34E-03	0.00E+00	2.34E-03	2.30E-04
717	420278.1	3739436	2.33E-03	0.00E+00	2.33E-03	2.28E-04
718	420286.7	3739440	2.31E-03	0.00E+00	2.31E-03	2.26E-04
719	420295.4	3739443	2.30E-03	0.00E+00	2.30E-03	2.25E-04
720	420304	3739447	2.28E-03	0.00E+00	2.28E-03	2.23E-04
721	420312.7	3739450	2.26E-03	0.00E+00	2.26E-03	2.22E-04
722	420321.3	3739454	2.25E-03	0.00E+00	2.25E-03	2.20E-04
723	420329.9	3739458	2.23E-03	0.00E+00	2.23E-03	2.18E-04
724	420338.6	3739461	2.21E-03	0.00E+00	2.21E-03	2.17E-04
725	420347.2	3739465	2.20E-03	0.00E+00	2.20E-03	2.15E-04
726	420355.8	3739468	2.18E-03	0.00E+00	2.18E-03	2.14E-04
727	420364.5	3739472	2.17E-03	0.00E+00	2.17E-03	2.12E-04
728	420373.1	3739475	2.15E-03	0.00E+00	2.15E-03	2.11E-04
729	420381.7	3739479	2.13E-03	0.00E+00	2.13E-03	2.09E-04
730	420390.4	3739483	2.12E-03	0.00E+00	2.12E-03	2.07E-04
731	420399	3739486	2.10E-03	0.00E+00	2.10E-03	2.06E-04
732	420407.7	3739490	2.08E-03	0.00E+00	2.08E-03	2.04E-04
733	420416.3	3739493	2.07E-03	0.00E+00	2.07E-03	2.02E-04
734	420424.9	3739497	2.05E-03	0.00E+00	2.05E-03	2.01E-04
735	420433.6	3739500	2.03E-03	0.00E+00	2.03E-03	1.99E-04
736	420442.2	3739504	2.01E-03	0.00E+00	2.01E-03	1.97E-04
737	420450.8	3739508	2.00E-03	0.00E+00	2.00E-03	1.95E-04
738	420459.5	3739511	1.98E-03	0.00E+00	1.98E-03	1.94E-04
739	420468.1	3739515	1.96E-03	0.00E+00	1.96E-03	1.92E-04
740	420476.8	3739518	1.94E-03	0.00E+00	1.94E-03	1.90E-04
741	420485.4	3739522	1.92E-03	0.00E+00	1.92E-03	1.88E-04
742	420494	3739525	1.91E-03	0.00E+00	1.91E-03	1.87E-04
743	420502.7	3739529	1.89E-03	0.00E+00	1.89E-03	1.85E-04
744	420511.3	3739532	1.87E-03	0.00E+00	1.87E-03	1.83E-04
745	420519.9	3739536	1.85E-03	0.00E+00	1.85E-03	1.81E-04

746	420528.6	3739540	1.83E-03	0.00E+00	1.83E-03	1.80E-04
747	420537.2	3739543	1.82E-03	0.00E+00	1.82E-03	1.78E-04
748	420545.9	3739547	1.80E-03	0.00E+00	1.80E-03	1.76E-04
749	420554.5	3739550	1.78E-03	0.00E+00	1.78E-03	1.75E-04
750	420563.1	3739554	1.77E-03	0.00E+00	1.77E-03	1.73E-04
751	420571.8	3739557	1.75E-03	0.00E+00	1.75E-03	1.71E-04
752	420580.4	3739561	1.73E-03	0.00E+00	1.73E-03	1.70E-04
753	420589	3739565	1.72E-03	0.00E+00	1.72E-03	1.68E-04
754	420597.7	3739568	1.70E-03	0.00E+00	1.70E-03	1.67E-04
755	420726	3739807	2.35E-03	0.00E+00	2.35E-03	2.30E-04
756	420729.6	3739815	2.39E-03	0.00E+00	2.39E-03	2.34E-04
757	420733.2	3739824	2.43E-03	0.00E+00	2.43E-03	2.38E-04
758	420736.8	3739832	2.48E-03	0.00E+00	2.48E-03	2.43E-04
759	420740.5	3739841	2.52E-03	0.00E+00	2.52E-03	2.47E-04
760	420744.1	3739850	2.57E-03	0.00E+00	2.57E-03	2.52E-04
761	420747.7	3739858	2.62E-03	0.00E+00	2.62E-03	2.56E-04
762	420751.3	3739867	2.60E-03	0.00E+00	2.60E-03	2.54E-04
763	420754.9	3739875	2.64E-03	0.00E+00	2.64E-03	2.59E-04
764	420758.5	3739884	2.69E-03	0.00E+00	2.69E-03	2.64E-04
765	420762.1	3739893	2.75E-03	0.00E+00	2.75E-03	2.69E-04
766	420765.7	3739901	2.88E-03	0.00E+00	2.88E-03	2.82E-04
767	420769.3	3739910	2.94E-03	0.00E+00	2.94E-03	2.88E-04
768	420772.9	3739919	3.00E-03	0.00E+00	3.00E-03	2.94E-04
769	420776.5	3739927	3.06E-03	0.00E+00	3.06E-03	3.00E-04
770	420780.1	3739936	3.12E-03	0.00E+00	3.12E-03	3.06E-04
771	420783.7	3739944	3.18E-03	0.00E+00	3.18E-03	3.12E-04
772	420787.4	3739953	3.24E-03	0.00E+00	3.24E-03	3.18E-04
773	420791	3739962	3.31E-03	0.00E+00	3.31E-03	3.24E-04
774	420794.6	3739970	3.37E-03	0.00E+00	3.37E-03	3.30E-04
775	420199.6	3739408	2.53E-03	0.00E+00	2.53E-03	2.48E-04
776	420190.3	3739408	2.58E-03	0.00E+00	2.58E-03	2.53E-04
777	420180.9	3739408	2.63E-03	0.00E+00	2.63E-03	2.58E-04
778	420171.5	3739408	2.68E-03	0.00E+00	2.68E-03	2.62E-04
779	420162.2	3739408	2.73E-03	0.00E+00	2.73E-03	2.67E-04
780	420152.8	3739408	2.78E-03	0.00E+00	2.78E-03	2.72E-04
781	420143.4	3739408	2.83E-03	0.00E+00	2.83E-03	2.77E-04
782	420134	3739408	2.88E-03	0.00E+00	2.88E-03	2.82E-04
783	420124.7	3739408	2.93E-03	0.00E+00	2.93E-03	2.87E-04
784	420115.3	3739408	2.98E-03	0.00E+00	2.98E-03	2.92E-04
785	420105.9	3739408	3.04E-03	0.00E+00	3.04E-03	2.97E-04
786	420096.6	3739408	3.09E-03	0.00E+00	3.09E-03	3.02E-04
787	420087.2	3739408	3.14E-03	0.00E+00	3.14E-03	3.07E-04
788	420077.8	3739408	3.19E-03	0.00E+00	3.19E-03	3.12E-04
789	420068.5	3739408	3.24E-03	0.00E+00	3.24E-03	3.17E-04
790	420243.1	3739382	2.19E-03	0.00E+00	2.19E-03	2.14E-04
791	420251.6	3739385	2.17E-03	0.00E+00	2.17E-03	2.13E-04
792	420260.1	3739389	2.15E-03	0.00E+00	2.15E-03	2.11E-04

793	420268.6	3739392	2.14E-03	0.00E+00	2.14E-03	2.09E-04
794	420277.1	3739396	2.12E-03	0.00E+00	2.12E-03	2.08E-04
795	420285.7	3739399	2.11E-03	0.00E+00	2.11E-03	2.07E-04
796	420294.2	3739403	2.10E-03	0.00E+00	2.10E-03	2.05E-04
797	420302.7	3739406	2.08E-03	0.00E+00	2.08E-03	2.04E-04
798	420311.2	3739410	2.07E-03	0.00E+00	2.07E-03	2.02E-04
799	420319.7	3739413	2.05E-03	0.00E+00	2.05E-03	2.01E-04
800	420328.3	3739417	2.04E-03	0.00E+00	2.04E-03	2.00E-04
801	420336.8	3739420	2.03E-03	0.00E+00	2.03E-03	1.98E-04
802	420345.3	3739424	2.01E-03	0.00E+00	2.01E-03	1.97E-04
803	420353.8	3739427	2.00E-03	0.00E+00	2.00E-03	1.96E-04
804	420362.3	3739431	1.99E-03	0.00E+00	1.99E-03	1.94E-04
805	420370.8	3739435	1.97E-03	0.00E+00	1.97E-03	1.93E-04
806	420379.4	3739438	1.96E-03	0.00E+00	1.96E-03	1.92E-04
807	420387.9	3739442	1.95E-03	0.00E+00	1.95E-03	1.91E-04
808	420396.4	3739445	1.93E-03	0.00E+00	1.93E-03	1.89E-04
809	420404.9	3739449	1.92E-03	0.00E+00	1.92E-03	1.88E-04
810	420413.4	3739452	1.90E-03	0.00E+00	1.90E-03	1.87E-04
811	420421.9	3739456	1.89E-03	0.00E+00	1.89E-03	1.85E-04
812	420430.5	3739459	1.88E-03	0.00E+00	1.88E-03	1.84E-04
813	420439	3739463	1.86E-03	0.00E+00	1.86E-03	1.82E-04
814	420447.5	3739466	1.85E-03	0.00E+00	1.85E-03	1.81E-04
815	420456	3739470	1.83E-03	0.00E+00	1.83E-03	1.79E-04
816	420464.5	3739473	1.82E-03	0.00E+00	1.82E-03	1.78E-04
817	420473.1	3739477	1.80E-03	0.00E+00	1.80E-03	1.77E-04
818	420481.6	3739480	1.79E-03	0.00E+00	1.79E-03	1.75E-04
819	420490.1	3739484	1.77E-03	0.00E+00	1.77E-03	1.73E-04
820	420498.6	3739487	1.76E-03	0.00E+00	1.76E-03	1.72E-04
821	420507.1	3739491	1.74E-03	0.00E+00	1.74E-03	1.70E-04
822	420515.6	3739494	1.73E-03	0.00E+00	1.73E-03	1.69E-04
823	420524.2	3739498	1.71E-03	0.00E+00	1.71E-03	1.67E-04
824	420532.7	3739501	1.69E-03	0.00E+00	1.69E-03	1.66E-04
825	420541.2	3739505	1.68E-03	0.00E+00	1.68E-03	1.64E-04
826	420549.7	3739508	1.66E-03	0.00E+00	1.66E-03	1.63E-04
827	420558.2	3739512	1.65E-03	0.00E+00	1.65E-03	1.62E-04
828	420566.7	3739515	1.63E-03	0.00E+00	1.63E-03	1.60E-04
829	420575.3	3739519	1.62E-03	0.00E+00	1.62E-03	1.59E-04
830	420583.8	3739522	1.61E-03	0.00E+00	1.61E-03	1.57E-04
831	420592.3	3739526	1.59E-03	0.00E+00	1.59E-03	1.56E-04
832	420600.8	3739529	1.58E-03	0.00E+00	1.58E-03	1.54E-04
833	420609.3	3739533	1.56E-03	0.00E+00	1.56E-03	1.53E-04
834	420724.5	3739707	1.83E-03	0.00E+00	1.83E-03	1.79E-04
835	420728	3739716	1.86E-03	0.00E+00	1.86E-03	1.82E-04
836	420731.6	3739724	1.88E-03	0.00E+00	1.88E-03	1.84E-04
837	420735.1	3739733	1.91E-03	0.00E+00	1.91E-03	1.87E-04
838	420738.7	3739741	1.94E-03	0.00E+00	1.94E-03	1.90E-04
839	420742.3	3739750	1.97E-03	0.00E+00	1.97E-03	1.93E-04

840	420745.8	3739758	2.00E-03	0.00E+00	2.00E-03	1.96E-04
841	420756.5	3739784	2.09E-03	0.00E+00	2.09E-03	2.05E-04
842	420760.1	3739792	2.07E-03	0.00E+00	2.07E-03	2.03E-04
843	420763.6	3739801	2.09E-03	0.00E+00	2.09E-03	2.05E-04
844	420767.2	3739809	2.13E-03	0.00E+00	2.13E-03	2.08E-04
845	420770.7	3739818	2.16E-03	0.00E+00	2.16E-03	2.11E-04
846	420774.3	3739826	2.19E-03	0.00E+00	2.19E-03	2.14E-04
847	420777.8	3739835	2.22E-03	0.00E+00	2.22E-03	2.17E-04
848	420781.4	3739843	2.26E-03	0.00E+00	2.26E-03	2.21E-04
849	420785	3739852	2.29E-03	0.00E+00	2.29E-03	2.25E-04
850	420788.5	3739860	2.34E-03	0.00E+00	2.34E-03	2.29E-04
851	420792.1	3739869	2.38E-03	0.00E+00	2.38E-03	2.33E-04
852	420795.6	3739877	2.43E-03	0.00E+00	2.43E-03	2.38E-04
853	420799.2	3739886	2.48E-03	0.00E+00	2.48E-03	2.43E-04
854	420802.7	3739894	2.53E-03	0.00E+00	2.53E-03	2.48E-04
855	420806.3	3739903	2.59E-03	0.00E+00	2.59E-03	2.54E-04
856	420809.9	3739911	2.72E-03	0.00E+00	2.72E-03	2.66E-04
857	420813.4	3739920	2.77E-03	0.00E+00	2.77E-03	2.71E-04
858	420817	3739928	2.82E-03	0.00E+00	2.82E-03	2.76E-04
859	420820.5	3739937	2.87E-03	0.00E+00	2.87E-03	2.81E-04
860	420824.1	3739945	2.92E-03	0.00E+00	2.92E-03	2.86E-04
861	420827.7	3739954	2.97E-03	0.00E+00	2.97E-03	2.91E-04
862	420234.7	3739338	2.02E-03	0.00E+00	2.02E-03	1.97E-04
863	420243.3	3739342	2.00E-03	0.00E+00	2.00E-03	1.96E-04
864	420251.8	3739345	1.99E-03	0.00E+00	1.99E-03	1.95E-04
865	420260.4	3739349	1.97E-03	0.00E+00	1.97E-03	1.93E-04
866	420269	3739352	1.96E-03	0.00E+00	1.96E-03	1.92E-04
867	420277.5	3739356	1.95E-03	0.00E+00	1.95E-03	1.91E-04
868	420286.1	3739360	1.93E-03	0.00E+00	1.93E-03	1.89E-04
869	420294.7	3739363	1.92E-03	0.00E+00	1.92E-03	1.88E-04
870	420337.5	3739381	1.86E-03	0.00E+00	1.86E-03	1.82E-04
871	420346	3739384	1.85E-03	0.00E+00	1.85E-03	1.81E-04
872	420354.6	3739388	1.83E-03	0.00E+00	1.83E-03	1.80E-04
873	420363.2	3739391	1.82E-03	0.00E+00	1.82E-03	1.78E-04
874	420371.7	3739395	1.81E-03	0.00E+00	1.81E-03	1.77E-04
875	420380.3	3739398	1.80E-03	0.00E+00	1.80E-03	1.76E-04
876	420388.9	3739402	1.79E-03	0.00E+00	1.79E-03	1.75E-04
877	420397.4	3739405	1.78E-03	0.00E+00	1.78E-03	1.74E-04
878	420406	3739409	1.77E-03	0.00E+00	1.77E-03	1.73E-04
879	420414.6	3739413	1.76E-03	0.00E+00	1.76E-03	1.72E-04
880	420423.1	3739416	1.75E-03	0.00E+00	1.75E-03	1.71E-04
881	420431.7	3739420	1.73E-03	0.00E+00	1.73E-03	1.70E-04
882	420440.3	3739423	1.72E-03	0.00E+00	1.72E-03	1.68E-04
883	420448.8	3739427	1.71E-03	0.00E+00	1.71E-03	1.67E-04
884	420457.4	3739430	1.69E-03	0.00E+00	1.69E-03	1.66E-04
885	420466	3739434	1.68E-03	0.00E+00	1.68E-03	1.65E-04
886	420474.5	3739437	1.67E-03	0.00E+00	1.67E-03	1.63E-04

887	420483.1	3739441	1.66E-03	0.00E+00	1.66E-03	1.62E-04
888	420491.7	3739444	1.64E-03	0.00E+00	1.64E-03	1.61E-04
889	420500.2	3739448	1.63E-03	0.00E+00	1.63E-03	1.59E-04
890	420508.8	3739451	1.62E-03	0.00E+00	1.62E-03	1.58E-04
891	420517.3	3739455	1.60E-03	0.00E+00	1.60E-03	1.57E-04
892	420525.9	3739459	1.59E-03	0.00E+00	1.59E-03	1.56E-04
893	420534.5	3739462	1.57E-03	0.00E+00	1.57E-03	1.54E-04
894	420543	3739466	1.56E-03	0.00E+00	1.56E-03	1.53E-04
895	420551.6	3739469	1.55E-03	0.00E+00	1.55E-03	1.52E-04
896	420560.2	3739473	1.53E-03	0.00E+00	1.53E-03	1.50E-04
897	420568.7	3739476	1.52E-03	0.00E+00	1.52E-03	1.49E-04
898	420577.3	3739480	1.51E-03	0.00E+00	1.51E-03	1.48E-04
899	420585.9	3739483	1.49E-03	0.00E+00	1.49E-03	1.46E-04
900	420594.4	3739487	1.48E-03	0.00E+00	1.48E-03	1.45E-04
901	420603	3739490	1.47E-03	0.00E+00	1.47E-03	1.44E-04
902	420720.9	3739603	1.48E-03	0.00E+00	1.48E-03	1.45E-04
903	420724.4	3739611	1.50E-03	0.00E+00	1.50E-03	1.47E-04
904	420728	3739620	1.51E-03	0.00E+00	1.51E-03	1.48E-04
905	420731.6	3739628	1.53E-03	0.00E+00	1.53E-03	1.50E-04
906	420735.2	3739637	1.55E-03	0.00E+00	1.55E-03	1.52E-04
907	420738.7	3739645	1.57E-03	0.00E+00	1.57E-03	1.53E-04
908	420742.3	3739654	1.58E-03	0.00E+00	1.58E-03	1.55E-04
909	420745.9	3739662	1.60E-03	0.00E+00	1.60E-03	1.57E-04
910	420749.5	3739671	1.63E-03	0.00E+00	1.63E-03	1.59E-04
911	420753	3739680	1.65E-03	0.00E+00	1.65E-03	1.61E-04
912	420756.6	3739688	1.67E-03	0.00E+00	1.67E-03	1.63E-04
913	420760.2	3739697	1.69E-03	0.00E+00	1.69E-03	1.66E-04
914	420763.8	3739705	1.71E-03	0.00E+00	1.71E-03	1.68E-04
915	420767.4	3739714	1.74E-03	0.00E+00	1.74E-03	1.70E-04
916	420770.9	3739722	1.76E-03	0.00E+00	1.76E-03	1.72E-04
917	420774.5	3739731	1.79E-03	0.00E+00	1.79E-03	1.75E-04
918	420778.1	3739739	1.81E-03	0.00E+00	1.81E-03	1.77E-04
919	420781.7	3739748	1.84E-03	0.00E+00	1.84E-03	1.80E-04
920	420785.2	3739756	1.86E-03	0.00E+00	1.86E-03	1.83E-04
921	420796	3739782	1.95E-03	0.00E+00	1.95E-03	1.91E-04
922	420799.6	3739791	1.92E-03	0.00E+00	1.92E-03	1.88E-04
923	420803.1	3739799	1.94E-03	0.00E+00	1.94E-03	1.90E-04
924	420806.7	3739808	1.96E-03	0.00E+00	1.96E-03	1.92E-04
925	420810.3	3739816	1.99E-03	0.00E+00	1.99E-03	1.95E-04
926	420813.9	3739825	2.02E-03	0.00E+00	2.02E-03	1.98E-04
927	420817.4	3739833	2.05E-03	0.00E+00	2.05E-03	2.01E-04
928	420821	3739842	2.09E-03	0.00E+00	2.09E-03	2.04E-04
929	420824.6	3739851	2.12E-03	0.00E+00	2.12E-03	2.08E-04
930	420199.6	3739328	2.10E-03	0.00E+00	2.10E-03	2.05E-04
931	420190.3	3739328	2.13E-03	0.00E+00	2.13E-03	2.09E-04
932	420180.9	3739328	2.17E-03	0.00E+00	2.17E-03	2.12E-04
933	420171.5	3739328	2.21E-03	0.00E+00	2.21E-03	2.16E-04

934	420162.2	3739328	2.24E-03	0.00E+00	2.24E-03	2.20E-04
935	420152.8	3739328	2.28E-03	0.00E+00	2.28E-03	2.24E-04
936	420143.4	3739328	2.32E-03	0.00E+00	2.32E-03	2.27E-04
937	420134	3739328	2.36E-03	0.00E+00	2.36E-03	2.31E-04
938	420124.7	3739328	2.40E-03	0.00E+00	2.40E-03	2.35E-04
939	420115.3	3739328	2.44E-03	0.00E+00	2.44E-03	2.39E-04
940	420105.9	3739328	2.48E-03	0.00E+00	2.48E-03	2.43E-04
941	420096.6	3739328	2.52E-03	0.00E+00	2.52E-03	2.46E-04
942	420087.2	3739328	2.55E-03	0.00E+00	2.55E-03	2.50E-04
943	420077.8	3739328	2.59E-03	0.00E+00	2.59E-03	2.54E-04
944	420068.5	3739328	2.63E-03	0.00E+00	2.63E-03	2.57E-04
945	420234.8	3739298	1.85E-03	0.00E+00	1.85E-03	1.81E-04
946	420243.4	3739302	1.84E-03	0.00E+00	1.84E-03	1.80E-04
947	420252	3739305	1.83E-03	0.00E+00	1.83E-03	1.79E-04
948	420260.7	3739309	1.81E-03	0.00E+00	1.81E-03	1.78E-04
949	420269.3	3739313	1.80E-03	0.00E+00	1.80E-03	1.76E-04
950	420277.9	3739316	1.79E-03	0.00E+00	1.79E-03	1.75E-04
951	420286.5	3739320	1.78E-03	0.00E+00	1.78E-03	1.74E-04
952	420295.1	3739323	1.77E-03	0.00E+00	1.77E-03	1.73E-04
953	420303.7	3739327	1.75E-03	0.00E+00	1.75E-03	1.72E-04
954	420312.3	3739330	1.74E-03	0.00E+00	1.74E-03	1.71E-04
955	420320.9	3739334	1.73E-03	0.00E+00	1.73E-03	1.70E-04
956	420329.5	3739337	1.72E-03	0.00E+00	1.72E-03	1.69E-04
957	420338.1	3739341	1.71E-03	0.00E+00	1.71E-03	1.68E-04
958	420346.7	3739345	1.70E-03	0.00E+00	1.70E-03	1.67E-04
959	420355.3	3739348	1.69E-03	0.00E+00	1.69E-03	1.66E-04
960	420363.9	3739352	1.68E-03	0.00E+00	1.68E-03	1.65E-04
961	420372.6	3739355	1.67E-03	0.00E+00	1.67E-03	1.64E-04
962	420381.2	3739359	1.66E-03	0.00E+00	1.66E-03	1.63E-04
963	420389.8	3739362	1.65E-03	0.00E+00	1.65E-03	1.62E-04
964	420432.8	3739380	1.61E-03	0.00E+00	1.61E-03	1.57E-04
965	420441.4	3739384	1.59E-03	0.00E+00	1.59E-03	1.56E-04
966	420450	3739387	1.58E-03	0.00E+00	1.58E-03	1.55E-04
967	420458.6	3739391	1.57E-03	0.00E+00	1.57E-03	1.54E-04
968	420467.2	3739394	1.56E-03	0.00E+00	1.56E-03	1.53E-04
969	420475.8	3739398	1.55E-03	0.00E+00	1.55E-03	1.52E-04
970	420484.5	3739401	1.54E-03	0.00E+00	1.54E-03	1.51E-04
971	420493.1	3739405	1.53E-03	0.00E+00	1.53E-03	1.50E-04
972	420501.7	3739409	1.52E-03	0.00E+00	1.52E-03	1.48E-04
973	420510.3	3739412	1.50E-03	0.00E+00	1.50E-03	1.47E-04
974	420518.9	3739416	1.49E-03	0.00E+00	1.49E-03	1.46E-04
975	420527.5	3739419	1.48E-03	0.00E+00	1.48E-03	1.45E-04
976	420536.1	3739423	1.47E-03	0.00E+00	1.47E-03	1.44E-04
977	420544.7	3739426	1.46E-03	0.00E+00	1.46E-03	1.43E-04
978	420553.3	3739430	1.45E-03	0.00E+00	1.45E-03	1.42E-04
979	420561.9	3739433	1.43E-03	0.00E+00	1.43E-03	1.40E-04
980	420570.5	3739437	1.42E-03	0.00E+00	1.42E-03	1.39E-04

981	420579.1	3739440	1.41E-03	0.00E+00	1.41E-03	1.38E-04
982	420587.7	3739444	1.40E-03	0.00E+00	1.40E-03	1.37E-04
983	420596.4	3739448	1.39E-03	0.00E+00	1.39E-03	1.36E-04
984	420605	3739451	1.37E-03	0.00E+00	1.37E-03	1.35E-04
985	420720.5	3739506	1.25E-03	0.00E+00	1.25E-03	1.23E-04
986	420724.1	3739515	1.26E-03	0.00E+00	1.26E-03	1.24E-04
987	420727.7	3739523	1.28E-03	0.00E+00	1.28E-03	1.25E-04
988	420731.2	3739532	1.29E-03	0.00E+00	1.29E-03	1.26E-04
989	420734.8	3739540	1.30E-03	0.00E+00	1.30E-03	1.27E-04
990	420738.4	3739549	1.31E-03	0.00E+00	1.31E-03	1.28E-04
991	420742	3739557	1.32E-03	0.00E+00	1.32E-03	1.30E-04
992	420745.6	3739566	1.34E-03	0.00E+00	1.34E-03	1.31E-04
993	420749.2	3739575	1.35E-03	0.00E+00	1.35E-03	1.32E-04
994	420752.8	3739583	1.36E-03	0.00E+00	1.36E-03	1.34E-04
995	420756.4	3739592	1.38E-03	0.00E+00	1.38E-03	1.35E-04
996	420760	3739600	1.39E-03	0.00E+00	1.39E-03	1.36E-04
997	420763.6	3739609	1.41E-03	0.00E+00	1.41E-03	1.38E-04
998	420767.2	3739618	1.42E-03	0.00E+00	1.42E-03	1.39E-04
999	420770.8	3739626	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1000	420774.4	3739635	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1001	420778	3739643	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1002	420781.6	3739652	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1003	420785.2	3739661	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1004	420788.8	3739669	1.53E-03	0.00E+00	1.53E-03	1.49E-04
1005	420792.4	3739678	1.55E-03	0.00E+00	1.55E-03	1.51E-04
1006	420796	3739686	1.57E-03	0.00E+00	1.57E-03	1.53E-04
1007	420799.6	3739695	1.59E-03	0.00E+00	1.59E-03	1.55E-04
1008	420803.2	3739704	1.61E-03	0.00E+00	1.61E-03	1.57E-04
1009	420806.8	3739712	1.63E-03	0.00E+00	1.63E-03	1.60E-04
1010	420810.3	3739721	1.65E-03	0.00E+00	1.65E-03	1.62E-04
1011	420813.9	3739729	1.67E-03	0.00E+00	1.67E-03	1.64E-04
1012	420817.5	3739738	1.70E-03	0.00E+00	1.70E-03	1.66E-04
1013	420821.1	3739746	1.72E-03	0.00E+00	1.72E-03	1.69E-04
1014	420824.7	3739755	1.75E-03	0.00E+00	1.75E-03	1.71E-04
1015	420828.3	3739764	1.77E-03	0.00E+00	1.77E-03	1.73E-04
1016	420831.9	3739772	1.80E-03	0.00E+00	1.80E-03	1.76E-04
1017	420835.5	3739781	1.78E-03	0.00E+00	1.78E-03	1.74E-04
1018	420839.1	3739789	1.80E-03	0.00E+00	1.80E-03	1.76E-04
1019	420842.7	3739798	1.81E-03	0.00E+00	1.81E-03	1.78E-04
1020	420846.3	3739807	1.84E-03	0.00E+00	1.84E-03	1.80E-04
1021	420849.9	3739815	1.86E-03	0.00E+00	1.86E-03	1.83E-04
1022	420199.6	3739288	1.92E-03	0.00E+00	1.92E-03	1.88E-04
1023	420190.3	3739288	1.95E-03	0.00E+00	1.95E-03	1.91E-04
1024	420180.9	3739288	1.99E-03	0.00E+00	1.99E-03	1.94E-04
1025	420171.5	3739288	2.02E-03	0.00E+00	2.02E-03	1.98E-04
1026	420162.2	3739288	2.05E-03	0.00E+00	2.05E-03	2.01E-04
1027	420152.8	3739288	2.08E-03	0.00E+00	2.08E-03	2.04E-04

1028	420143.4	3739288	2.12E-03	0.00E+00	2.12E-03	2.07E-04
1029	420134	3739288	2.15E-03	0.00E+00	2.15E-03	2.11E-04
1030	420124.7	3739288	2.19E-03	0.00E+00	2.19E-03	2.14E-04
1031	420115.3	3739288	2.22E-03	0.00E+00	2.22E-03	2.18E-04
1032	420105.9	3739288	2.26E-03	0.00E+00	2.26E-03	2.21E-04
1033	420096.6	3739288	2.29E-03	0.00E+00	2.29E-03	2.24E-04
1034	420087.2	3739288	2.32E-03	0.00E+00	2.32E-03	2.27E-04
1035	420077.8	3739288	2.36E-03	0.00E+00	2.36E-03	2.31E-04
1036	420068.5	3739288	2.39E-03	0.00E+00	2.39E-03	2.34E-04
1037	420226.3	3739255	1.72E-03	0.00E+00	1.72E-03	1.68E-04
1038	420234.9	3739258	1.71E-03	0.00E+00	1.71E-03	1.67E-04
1039	420243.6	3739262	1.69E-03	0.00E+00	1.69E-03	1.66E-04
1040	420252.2	3739266	1.68E-03	0.00E+00	1.68E-03	1.65E-04
1041	420260.9	3739269	1.67E-03	0.00E+00	1.67E-03	1.64E-04
1042	420269.5	3739273	1.66E-03	0.00E+00	1.66E-03	1.63E-04
1043	420278.2	3739276	1.65E-03	0.00E+00	1.65E-03	1.62E-04
1044	420286.8	3739280	1.64E-03	0.00E+00	1.64E-03	1.61E-04
1045	420295.5	3739283	1.63E-03	0.00E+00	1.63E-03	1.60E-04
1046	420304.1	3739287	1.62E-03	0.00E+00	1.62E-03	1.59E-04
1047	420312.8	3739291	1.61E-03	0.00E+00	1.61E-03	1.58E-04
1048	420321.4	3739294	1.60E-03	0.00E+00	1.60E-03	1.57E-04
1049	420330.1	3739298	1.59E-03	0.00E+00	1.59E-03	1.56E-04
1050	420338.7	3739301	1.58E-03	0.00E+00	1.58E-03	1.55E-04
1051	420347.3	3739305	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1052	420356	3739308	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1053	420364.6	3739312	1.56E-03	0.00E+00	1.56E-03	1.52E-04
1054	420373.3	3739316	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1055	420381.9	3739319	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1056	420390.6	3739323	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1057	420399.2	3739326	1.53E-03	0.00E+00	1.53E-03	1.49E-04
1058	420407.9	3739330	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1059	420416.5	3739333	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1060	420425.2	3739337	1.50E-03	0.00E+00	1.50E-03	1.47E-04
1061	420433.8	3739341	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1062	420442.5	3739344	1.48E-03	0.00E+00	1.48E-03	1.45E-04
1063	420451.1	3739348	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1064	420459.8	3739351	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1065	420468.4	3739355	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1066	420477	3739358	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1067	420528.9	3739380	1.38E-03	0.00E+00	1.38E-03	1.36E-04
1068	420537.6	3739383	1.37E-03	0.00E+00	1.37E-03	1.35E-04
1069	420546.2	3739387	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1070	420554.9	3739390	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1071	420563.5	3739394	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1072	420572.2	3739398	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1073	420580.8	3739401	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1074	420589.4	3739405	1.31E-03	0.00E+00	1.31E-03	1.28E-04

1075	420598.1	3739408	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1076	420606.7	3739412	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1077	420719.1	3739458	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1078	420727.8	3739462	1.16E-03	0.00E+00	1.16E-03	1.13E-04
1079	420736.4	3739465	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1080	420748.7	3739478	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1081	420752.3	3739486	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1082	420755.9	3739495	1.17E-03	0.00E+00	1.17E-03	1.15E-04
1083	420759.5	3739504	1.18E-03	0.00E+00	1.18E-03	1.16E-04
1084	420763.1	3739512	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1085	420766.8	3739521	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1086	420770.4	3739529	1.21E-03	0.00E+00	1.21E-03	1.19E-04
1087	420774	3739538	1.22E-03	0.00E+00	1.22E-03	1.20E-04
1088	420777.6	3739547	1.24E-03	0.00E+00	1.24E-03	1.21E-04
1089	420781.2	3739555	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1090	420784.8	3739564	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1091	420788.4	3739573	1.27E-03	0.00E+00	1.27E-03	1.25E-04
1092	420792	3739581	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1093	420795.6	3739590	1.27E-03	0.00E+00	1.27E-03	1.24E-04
1094	420799.3	3739598	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1095	420802.9	3739607	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1096	420806.5	3739616	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1097	420810.1	3739624	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1098	420813.7	3739633	1.34E-03	0.00E+00	1.34E-03	1.32E-04
1099	420817.3	3739642	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1100	420820.9	3739650	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1101	420824.5	3739659	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1102	420828.1	3739667	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1103	420831.8	3739676	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1104	420835.4	3739685	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1105	420839	3739693	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1106	420842.6	3739702	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1107	420846.2	3739711	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1108	420849.8	3739719	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1109	420853.4	3739728	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1110	420857	3739736	1.60E-03	0.00E+00	1.60E-03	1.56E-04
1111	420860.6	3739745	1.62E-03	0.00E+00	1.62E-03	1.58E-04
1112	420864.3	3739754	1.64E-03	0.00E+00	1.64E-03	1.61E-04
1113	420867.9	3739762	1.66E-03	0.00E+00	1.66E-03	1.63E-04
1114	420871.5	3739771	1.69E-03	0.00E+00	1.69E-03	1.65E-04
1115	420875.1	3739780	1.67E-03	0.00E+00	1.67E-03	1.63E-04
1116	420878.7	3739788	1.69E-03	0.00E+00	1.69E-03	1.65E-04
1117	420882.3	3739797	1.71E-03	0.00E+00	1.71E-03	1.67E-04
1118	420885.9	3739806	1.73E-03	0.00E+00	1.73E-03	1.69E-04
1119	420889.5	3739814	1.75E-03	0.00E+00	1.75E-03	1.71E-04
1120	420932.9	3739918	2.12E-03	0.00E+00	2.12E-03	2.08E-04
1121	420936.5	3739926	2.15E-03	0.00E+00	2.15E-03	2.11E-04

1122	420940.1	3739935	2.18E-03	0.00E+00	2.18E-03	2.13E-04
1123	420943.7	3739944	2.21E-03	0.00E+00	2.21E-03	2.16E-04
1124	420947.3	3739952	2.23E-03	0.00E+00	2.23E-03	2.19E-04
1125	420950.9	3739961	2.26E-03	0.00E+00	2.26E-03	2.22E-04
1126	420954.5	3739969	2.30E-03	0.00E+00	2.30E-03	2.25E-04
1127	420958.2	3739978	2.33E-03	0.00E+00	2.33E-03	2.28E-04
1128	420961.8	3739987	2.36E-03	0.00E+00	2.36E-03	2.32E-04
1129	420965.4	3739995	2.40E-03	0.00E+00	2.40E-03	2.35E-04
1130	420199.6	3739248	1.77E-03	0.00E+00	1.77E-03	1.73E-04
1131	420190.3	3739248	1.80E-03	0.00E+00	1.80E-03	1.76E-04
1132	420180.9	3739248	1.83E-03	0.00E+00	1.83E-03	1.79E-04
1133	420171.5	3739248	1.85E-03	0.00E+00	1.85E-03	1.82E-04
1134	420162.2	3739248	1.88E-03	0.00E+00	1.88E-03	1.84E-04
1135	420152.8	3739248	1.91E-03	0.00E+00	1.91E-03	1.87E-04
1136	420143.4	3739248	1.94E-03	0.00E+00	1.94E-03	1.90E-04
1137	420134	3739248	1.97E-03	0.00E+00	1.97E-03	1.93E-04
1138	420124.7	3739248	2.00E-03	0.00E+00	2.00E-03	1.96E-04
1139	420115.3	3739248	2.03E-03	0.00E+00	2.03E-03	1.99E-04
1140	420105.9	3739248	2.06E-03	0.00E+00	2.06E-03	2.02E-04
1141	420096.6	3739248	2.09E-03	0.00E+00	2.09E-03	2.05E-04
1142	420087.2	3739248	2.12E-03	0.00E+00	2.12E-03	2.08E-04
1143	420077.8	3739248	2.15E-03	0.00E+00	2.15E-03	2.11E-04
1144	420068.5	3739248	2.18E-03	0.00E+00	2.18E-03	2.14E-04
1145	420226.1	3739215	1.59E-03	0.00E+00	1.59E-03	1.56E-04
1146	420234.7	3739218	1.58E-03	0.00E+00	1.58E-03	1.55E-04
1147	420243.2	3739222	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1148	420251.8	3739225	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1149	420260.3	3739229	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1150	420268.9	3739232	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1151	420277.4	3739236	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1152	420286	3739239	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1153	420294.5	3739243	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1154	420303.1	3739247	1.50E-03	0.00E+00	1.50E-03	1.47E-04
1155	420311.6	3739250	1.50E-03	0.00E+00	1.50E-03	1.46E-04
1156	420320.2	3739254	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1157	420328.7	3739257	1.48E-03	0.00E+00	1.48E-03	1.45E-04
1158	420337.3	3739261	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1159	420345.8	3739264	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1160	420354.4	3739268	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1161	420362.9	3739271	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1162	420371.5	3739275	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1163	420380	3739278	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1164	420388.6	3739282	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1165	420397.1	3739285	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1166	420405.7	3739289	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1167	420414.2	3739292	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1168	420422.8	3739296	1.40E-03	0.00E+00	1.40E-03	1.37E-04

1169	420431.3	3739299	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1170	420439.9	3739303	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1171	420448.4	3739307	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1172	420457	3739310	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1173	420465.5	3739314	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1174	420474.1	3739317	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1175	420482.6	3739321	1.34E-03	0.00E+00	1.34E-03	1.32E-04
1176	420491.2	3739324	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1177	420499.7	3739328	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1178	420508.3	3739331	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1179	420516.8	3739335	1.31E-03	0.00E+00	1.31E-03	1.28E-04
1180	420525.3	3739338	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1181	420533.9	3739342	1.29E-03	0.00E+00	1.29E-03	1.27E-04
1182	420542.4	3739345	1.28E-03	0.00E+00	1.28E-03	1.26E-04
1183	420551	3739349	1.27E-03	0.00E+00	1.27E-03	1.25E-04
1184	420559.5	3739352	1.27E-03	0.00E+00	1.27E-03	1.24E-04
1185	420568.1	3739356	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1186	420576.6	3739359	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1187	420722	3739419	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1188	420730.5	3739423	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1189	420739.1	3739427	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1190	420747.6	3739430	1.08E-03	0.00E+00	1.08E-03	1.05E-04
1191	420756.2	3739434	1.07E-03	0.00E+00	1.07E-03	1.05E-04
1192	420764.7	3739437	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1193	420776.9	3739449	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1194	420780.4	3739458	1.07E-03	0.00E+00	1.07E-03	1.05E-04
1195	420784	3739466	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1196	420787.6	3739475	1.07E-03	0.00E+00	1.07E-03	1.04E-04
1197	420791.2	3739483	1.07E-03	0.00E+00	1.07E-03	1.05E-04
1198	420794.7	3739492	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1199	420798.3	3739500	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1200	420801.9	3739509	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1201	420805.4	3739517	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1202	420809	3739526	1.12E-03	0.00E+00	1.12E-03	1.10E-04
1203	420812.6	3739534	1.13E-03	0.00E+00	1.13E-03	1.11E-04
1204	420816.2	3739543	1.14E-03	0.00E+00	1.14E-03	1.12E-04
1205	420819.7	3739552	1.16E-03	0.00E+00	1.16E-03	1.13E-04
1206	420823.3	3739560	1.19E-03	0.00E+00	1.19E-03	1.16E-04
1207	420826.9	3739569	1.18E-03	0.00E+00	1.18E-03	1.16E-04
1208	420830.4	3739577	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1209	420834	3739586	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1210	420837.6	3739594	1.22E-03	0.00E+00	1.22E-03	1.19E-04
1211	420841.1	3739603	1.23E-03	0.00E+00	1.23E-03	1.20E-04
1212	420844.7	3739611	1.24E-03	0.00E+00	1.24E-03	1.21E-04
1213	420848.3	3739620	1.25E-03	0.00E+00	1.25E-03	1.23E-04
1214	420851.9	3739628	1.26E-03	0.00E+00	1.26E-03	1.24E-04
1215	420855.4	3739637	1.28E-03	0.00E+00	1.28E-03	1.25E-04

1216	420859	3739645	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1217	420862.6	3739654	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1218	420866.1	3739662	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1219	420869.7	3739671	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1220	420873.3	3739680	1.34E-03	0.00E+00	1.34E-03	1.32E-04
1221	420876.9	3739688	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1222	420880.4	3739697	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1223	420884	3739705	1.40E-03	0.00E+00	1.40E-03	1.37E-04
1224	420887.6	3739714	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1225	420891.1	3739722	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1226	420894.7	3739731	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1227	420898.3	3739739	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1228	420901.9	3739748	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1229	420905.4	3739756	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1230	420909	3739765	1.50E-03	0.00E+00	1.50E-03	1.47E-04
1231	420912.6	3739773	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1232	420916.1	3739782	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1233	420919.7	3739790	1.57E-03	0.00E+00	1.57E-03	1.53E-04
1234	420923.3	3739799	1.59E-03	0.00E+00	1.59E-03	1.55E-04
1235	420926.9	3739808	1.61E-03	0.00E+00	1.61E-03	1.58E-04
1236	420930.4	3739816	1.63E-03	0.00E+00	1.63E-03	1.60E-04
1237	420934	3739825	1.66E-03	0.00E+00	1.66E-03	1.63E-04
1238	420937.6	3739833	1.69E-03	0.00E+00	1.69E-03	1.65E-04
1239	420941.1	3739842	1.71E-03	0.00E+00	1.71E-03	1.68E-04
1240	420944.7	3739850	1.74E-03	0.00E+00	1.74E-03	1.70E-04
1241	420948.3	3739859	1.77E-03	0.00E+00	1.77E-03	1.73E-04
1242	420951.9	3739867	1.80E-03	0.00E+00	1.80E-03	1.76E-04
1243	420955.4	3739876	1.83E-03	0.00E+00	1.83E-03	1.79E-04
1244	420959	3739884	1.86E-03	0.00E+00	1.86E-03	1.82E-04
1245	420962.6	3739893	1.89E-03	0.00E+00	1.89E-03	1.85E-04
1246	420966.1	3739901	1.91E-03	0.00E+00	1.91E-03	1.87E-04
1247	420969.7	3739910	1.94E-03	0.00E+00	1.94E-03	1.90E-04
1248	420973.3	3739918	1.96E-03	0.00E+00	1.96E-03	1.92E-04
1249	420976.9	3739927	1.99E-03	0.00E+00	1.99E-03	1.95E-04
1250	420980.4	3739936	2.01E-03	0.00E+00	2.01E-03	1.97E-04
1251	420984	3739944	2.03E-03	0.00E+00	2.03E-03	1.99E-04
1252	420987.6	3739953	2.06E-03	0.00E+00	2.06E-03	2.02E-04
1253	420991.1	3739961	2.09E-03	0.00E+00	2.09E-03	2.05E-04
1254	420994.7	3739970	2.13E-03	0.00E+00	2.13E-03	2.08E-04
1255	420998.3	3739978	2.16E-03	0.00E+00	2.16E-03	2.12E-04
1256	421001.9	3739987	2.20E-03	0.00E+00	2.20E-03	2.15E-04
1257	421005.4	3739995	2.23E-03	0.00E+00	2.23E-03	2.18E-04
1258	420199.6	3739208	1.64E-03	0.00E+00	1.64E-03	1.60E-04
1259	420190.3	3739208	1.66E-03	0.00E+00	1.66E-03	1.63E-04
1260	420180.9	3739208	1.69E-03	0.00E+00	1.69E-03	1.65E-04
1261	420171.5	3739208	1.71E-03	0.00E+00	1.71E-03	1.68E-04
1262	420162.2	3739208	1.74E-03	0.00E+00	1.74E-03	1.70E-04

1263	420152.8	3739208	1.76E-03	0.00E+00	1.76E-03	1.73E-04
1264	420143.4	3739208	1.79E-03	0.00E+00	1.79E-03	1.75E-04
1265	420134	3739208	1.82E-03	0.00E+00	1.82E-03	1.78E-04
1266	420124.7	3739208	1.84E-03	0.00E+00	1.84E-03	1.80E-04
1267	420115.3	3739208	1.87E-03	0.00E+00	1.87E-03	1.83E-04
1268	420105.9	3739208	1.90E-03	0.00E+00	1.90E-03	1.86E-04
1269	420096.6	3739208	1.92E-03	0.00E+00	1.92E-03	1.88E-04
1270	420087.2	3739208	1.95E-03	0.00E+00	1.95E-03	1.91E-04
1271	420077.8	3739208	1.97E-03	0.00E+00	1.97E-03	1.93E-04
1272	420068.5	3739208	2.00E-03	0.00E+00	2.00E-03	1.96E-04
1273	420226.2	3739175	1.48E-03	0.00E+00	1.48E-03	1.45E-04
1274	420234.8	3739178	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1275	420243.4	3739182	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1276	420251.9	3739185	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1277	420260.5	3739189	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1278	420269.1	3739193	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1279	420277.7	3739196	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1280	420286.3	3739200	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1281	420294.9	3739203	1.40E-03	0.00E+00	1.40E-03	1.38E-04
1282	420303.5	3739207	1.40E-03	0.00E+00	1.40E-03	1.37E-04
1283	420312	3739210	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1284	420320.6	3739214	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1285	420329.2	3739217	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1286	420337.8	3739221	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1287	420346.4	3739224	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1288	420355	3739228	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1289	420363.6	3739232	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1290	420372.2	3739235	1.34E-03	0.00E+00	1.34E-03	1.32E-04
1291	420380.7	3739239	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1292	420389.3	3739242	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1293	420397.9	3739246	1.32E-03	0.00E+00	1.32E-03	1.30E-04
1294	420406.5	3739249	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1295	420415.1	3739253	1.31E-03	0.00E+00	1.31E-03	1.28E-04
1296	420423.7	3739256	1.30E-03	0.00E+00	1.30E-03	1.28E-04
1297	420432.3	3739260	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1298	420440.9	3739263	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1299	420449.4	3739267	1.28E-03	0.00E+00	1.28E-03	1.26E-04
1300	420458	3739271	1.28E-03	0.00E+00	1.28E-03	1.25E-04
1301	420466.6	3739274	1.27E-03	0.00E+00	1.27E-03	1.25E-04
1302	420475.2	3739278	1.27E-03	0.00E+00	1.27E-03	1.24E-04
1303	420483.8	3739281	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1304	420492.4	3739285	1.25E-03	0.00E+00	1.25E-03	1.23E-04
1305	420501	3739288	1.24E-03	0.00E+00	1.24E-03	1.22E-04
1306	420509.6	3739292	1.24E-03	0.00E+00	1.24E-03	1.21E-04
1307	420518.1	3739295	1.23E-03	0.00E+00	1.23E-03	1.20E-04
1308	420526.7	3739299	1.22E-03	0.00E+00	1.22E-03	1.20E-04
1309	420535.3	3739302	1.21E-03	0.00E+00	1.21E-03	1.19E-04

1310	420543.9	3739306	1.21E-03	0.00E+00	1.21E-03	1.18E-04
1311	420552.5	3739309	1.20E-03	0.00E+00	1.20E-03	1.17E-04
1312	420561.1	3739313	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1313	420569.7	3739317	1.18E-03	0.00E+00	1.18E-03	1.16E-04
1314	420578.2	3739320	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1315	420586.8	3739324	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1316	420595.4	3739327	1.16E-03	0.00E+00	1.16E-03	1.13E-04
1317	420604	3739331	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1318	420638.4	3739345	1.12E-03	0.00E+00	1.12E-03	1.09E-04
1319	420646.9	3739348	1.11E-03	0.00E+00	1.11E-03	1.08E-04
1320	420655.5	3739352	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1321	420664.1	3739356	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1322	420724.2	3739380	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1323	420732.8	3739384	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1324	420741.4	3739387	1.02E-03	0.00E+00	1.02E-03	1.00E-04
1325	420750	3739391	1.02E-03	0.00E+00	1.02E-03	9.96E-05
1326	420758.6	3739395	1.01E-03	0.00E+00	1.01E-03	9.89E-05
1327	420767.2	3739398	1.00E-03	0.00E+00	1.00E-03	9.82E-05
1328	420775.7	3739402	9.96E-04	0.00E+00	9.96E-04	9.75E-05
1329	420784.3	3739405	9.90E-04	0.00E+00	9.90E-04	9.69E-05
1330	420792.9	3739409	9.84E-04	0.00E+00	9.84E-04	9.63E-05
1331	420805.1	3739421	9.66E-04	0.00E+00	9.66E-04	9.46E-05
1332	420808.7	3739429	9.70E-04	0.00E+00	9.70E-04	9.50E-05
1333	420812.3	3739438	9.74E-04	0.00E+00	9.74E-04	9.53E-05
1334	420815.9	3739447	9.79E-04	0.00E+00	9.79E-04	9.59E-05
1335	420819.4	3739455	9.86E-04	0.00E+00	9.86E-04	9.65E-05
1336	420823	3739464	9.92E-04	0.00E+00	9.92E-04	9.72E-05
1337	420826.6	3739472	1.00E-03	0.00E+00	1.00E-03	9.80E-05
1338	420830.2	3739481	1.01E-03	0.00E+00	1.01E-03	9.89E-05
1339	420833.8	3739489	1.02E-03	0.00E+00	1.02E-03	9.97E-05
1340	420837.4	3739498	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1341	420841	3739507	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1342	420844.6	3739515	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1343	420848.1	3739524	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1344	420851.7	3739532	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1345	420855.3	3739541	1.07E-03	0.00E+00	1.07E-03	1.05E-04
1346	420858.9	3739549	1.09E-03	0.00E+00	1.09E-03	1.06E-04
1347	420862.5	3739558	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1348	420866.1	3739567	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1349	420869.7	3739575	1.13E-03	0.00E+00	1.13E-03	1.10E-04
1350	420873.2	3739584	1.14E-03	0.00E+00	1.14E-03	1.11E-04
1351	420876.8	3739592	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1352	420880.4	3739601	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1353	420884	3739609	1.17E-03	0.00E+00	1.17E-03	1.15E-04
1354	420887.6	3739618	1.18E-03	0.00E+00	1.18E-03	1.16E-04
1355	420891.2	3739627	1.19E-03	0.00E+00	1.19E-03	1.16E-04
1356	420894.8	3739635	1.20E-03	0.00E+00	1.20E-03	1.17E-04

1357	420898.4	3739644	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1358	420901.9	3739652	1.21E-03	0.00E+00	1.21E-03	1.19E-04
1359	420905.5	3739661	1.23E-03	0.00E+00	1.23E-03	1.20E-04
1360	420909.1	3739669	1.24E-03	0.00E+00	1.24E-03	1.22E-04
1361	420912.7	3739678	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1362	420916.3	3739687	1.27E-03	0.00E+00	1.27E-03	1.24E-04
1363	420919.9	3739695	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1364	420923.5	3739704	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1365	420927	3739712	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1366	420930.6	3739721	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1367	420934.2	3739729	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1368	420937.8	3739738	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1369	420941.4	3739746	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1370	420945	3739755	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1371	420948.6	3739764	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1372	420952.2	3739772	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1373	420955.7	3739781	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1374	420959.3	3739789	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1375	420962.9	3739798	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1376	420966.5	3739806	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1377	420970.1	3739815	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1378	420973.7	3739824	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1379	420977.3	3739832	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1380	420980.8	3739841	1.59E-03	0.00E+00	1.59E-03	1.56E-04
1381	420984.4	3739849	1.62E-03	0.00E+00	1.62E-03	1.58E-04
1382	420988	3739858	1.64E-03	0.00E+00	1.64E-03	1.60E-04
1383	420991.6	3739866	1.66E-03	0.00E+00	1.66E-03	1.63E-04
1384	420995.2	3739875	1.69E-03	0.00E+00	1.69E-03	1.65E-04
1385	420998.8	3739884	1.71E-03	0.00E+00	1.71E-03	1.68E-04
1386	421002.4	3739892	1.74E-03	0.00E+00	1.74E-03	1.70E-04
1387	421006	3739901	1.76E-03	0.00E+00	1.76E-03	1.73E-04
1388	421009.5	3739909	1.79E-03	0.00E+00	1.79E-03	1.75E-04
1389	421013.1	3739918	1.82E-03	0.00E+00	1.82E-03	1.78E-04
1390	421016.7	3739926	1.84E-03	0.00E+00	1.84E-03	1.80E-04
1391	421020.3	3739935	1.87E-03	0.00E+00	1.87E-03	1.83E-04
1392	421023.9	3739944	1.90E-03	0.00E+00	1.90E-03	1.86E-04
1393	421027.5	3739952	1.93E-03	0.00E+00	1.93E-03	1.89E-04
1394	421031.1	3739961	1.96E-03	0.00E+00	1.96E-03	1.92E-04
1395	421034.6	3739969	1.99E-03	0.00E+00	1.99E-03	1.95E-04
1396	421038.2	3739978	2.03E-03	0.00E+00	2.03E-03	1.99E-04
1397	421041.8	3739986	2.06E-03	0.00E+00	2.06E-03	2.02E-04
1398	421045.4	3739995	2.09E-03	0.00E+00	2.09E-03	2.05E-04
1399	420226.2	3739135	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1400	420234.9	3739138	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1401	420243.5	3739142	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1402	420252.1	3739146	1.31E-03	0.00E+00	1.31E-03	1.29E-04
1403	420260.7	3739149	1.31E-03	0.00E+00	1.31E-03	1.28E-04

1404	420269.4	3739153	1.33E-03	0.00E+00	1.33E-03	1.31E-04
1405	420278	3739156	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1406	420286.6	3739160	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1407	420295.2	3739163	1.31E-03	0.00E+00	1.31E-03	1.28E-04
1408	420303.8	3739167	1.30E-03	0.00E+00	1.30E-03	1.28E-04
1409	420312.5	3739170	1.26E-03	0.00E+00	1.26E-03	1.24E-04
1410	420321.1	3739174	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1411	420329.7	3739178	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1412	420338.3	3739181	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1413	420346.9	3739185	1.24E-03	0.00E+00	1.24E-03	1.22E-04
1414	420355.6	3739188	1.26E-03	0.00E+00	1.26E-03	1.24E-04
1415	420364.2	3739192	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1416	420372.8	3739195	1.25E-03	0.00E+00	1.25E-03	1.23E-04
1417	420381.4	3739199	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1418	420390	3739202	1.24E-03	0.00E+00	1.24E-03	1.22E-04
1419	420398.7	3739206	1.24E-03	0.00E+00	1.24E-03	1.21E-04
1420	420407.3	3739210	1.23E-03	0.00E+00	1.23E-03	1.21E-04
1421	420415.9	3739213	1.23E-03	0.00E+00	1.23E-03	1.20E-04
1422	420424.5	3739217	1.22E-03	0.00E+00	1.22E-03	1.19E-04
1423	420433.2	3739220	1.21E-03	0.00E+00	1.21E-03	1.18E-04
1424	420441.8	3739224	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1425	420450.4	3739227	1.20E-03	0.00E+00	1.20E-03	1.17E-04
1426	420459	3739231	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1427	420467.6	3739234	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1428	420476.3	3739238	1.19E-03	0.00E+00	1.19E-03	1.16E-04
1429	420484.9	3739242	1.18E-03	0.00E+00	1.18E-03	1.16E-04
1430	420493.5	3739245	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1431	420502.1	3739249	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1432	420510.7	3739252	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1433	420519.4	3739256	1.16E-03	0.00E+00	1.16E-03	1.13E-04
1434	420528	3739259	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1435	420536.6	3739263	1.14E-03	0.00E+00	1.14E-03	1.12E-04
1436	420545.2	3739266	1.14E-03	0.00E+00	1.14E-03	1.11E-04
1437	420553.8	3739270	1.13E-03	0.00E+00	1.13E-03	1.11E-04
1438	420562.5	3739274	1.12E-03	0.00E+00	1.12E-03	1.10E-04
1439	420571.1	3739277	1.12E-03	0.00E+00	1.12E-03	1.09E-04
1440	420579.7	3739281	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1441	420588.3	3739284	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1442	420597	3739288	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1443	420605.6	3739291	1.09E-03	0.00E+00	1.09E-03	1.06E-04
1444	420631.4	3739302	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1445	420640.1	3739306	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1446	420648.7	3739309	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1447	420657.3	3739313	1.03E-03	0.00E+00	1.03E-03	1.00E-04
1448	420665.9	3739316	1.02E-03	0.00E+00	1.02E-03	9.95E-05
1449	420674.5	3739320	1.01E-03	0.00E+00	1.01E-03	9.87E-05
1450	420683.2	3739323	1.00E-03	0.00E+00	1.00E-03	9.79E-05

1451	420691.8	3739327	9.93E-04	0.00E+00	9.93E-04	9.72E-05
1452	420700.4	3739331	9.86E-04	0.00E+00	9.86E-04	9.65E-05
1453	420709	3739334	9.79E-04	0.00E+00	9.79E-04	9.58E-05
1454	420717.7	3739338	9.72E-04	0.00E+00	9.72E-04	9.52E-05
1455	420726.3	3739341	9.65E-04	0.00E+00	9.65E-04	9.44E-05
1456	420734.9	3739345	9.57E-04	0.00E+00	9.57E-04	9.37E-05
1457	420743.5	3739348	9.49E-04	0.00E+00	9.49E-04	9.30E-05
1458	420752.1	3739352	9.43E-04	0.00E+00	9.43E-04	9.23E-05
1459	420760.8	3739355	9.38E-04	0.00E+00	9.38E-04	9.19E-05
1460	420769.4	3739359	9.33E-04	0.00E+00	9.33E-04	9.13E-05
1461	420821.1	3739380	8.96E-04	0.00E+00	8.96E-04	8.78E-05
1462	420833.3	3739393	8.94E-04	0.00E+00	8.94E-04	8.76E-05
1463	420836.9	3739401	8.99E-04	0.00E+00	8.99E-04	8.81E-05
1464	420840.5	3739410	9.05E-04	0.00E+00	9.05E-04	8.86E-05
1465	420844.1	3739418	9.10E-04	0.00E+00	9.10E-04	8.91E-05
1466	420847.7	3739427	9.15E-04	0.00E+00	9.15E-04	8.95E-05
1467	420851.3	3739436	9.20E-04	0.00E+00	9.20E-04	9.01E-05
1468	420854.9	3739444	9.26E-04	0.00E+00	9.26E-04	9.07E-05
1469	420858.5	3739453	9.33E-04	0.00E+00	9.33E-04	9.14E-05
1470	420862.1	3739461	9.40E-04	0.00E+00	9.40E-04	9.21E-05
1471	420865.7	3739470	9.47E-04	0.00E+00	9.47E-04	9.28E-05
1472	420869.3	3739479	9.54E-04	0.00E+00	9.54E-04	9.34E-05
1473	420872.9	3739487	9.59E-04	0.00E+00	9.59E-04	9.39E-05
1474	420876.5	3739496	9.63E-04	0.00E+00	9.63E-04	9.43E-05
1475	420880.1	3739504	9.68E-04	0.00E+00	9.68E-04	9.47E-05
1476	420883.7	3739513	9.73E-04	0.00E+00	9.73E-04	9.53E-05
1477	420887.3	3739522	9.79E-04	0.00E+00	9.79E-04	9.58E-05
1478	420890.9	3739530	9.85E-04	0.00E+00	9.85E-04	9.64E-05
1479	420894.5	3739539	9.98E-04	0.00E+00	9.98E-04	9.77E-05
1480	420898.1	3739547	1.01E-03	0.00E+00	1.01E-03	9.90E-05
1481	420901.7	3739556	1.02E-03	0.00E+00	1.02E-03	1.00E-04
1482	420905.3	3739565	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1483	420908.9	3739573	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1484	420912.5	3739582	1.07E-03	0.00E+00	1.07E-03	1.04E-04
1485	420916.1	3739590	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1486	420919.7	3739599	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1487	420923.3	3739608	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1488	420927	3739616	1.11E-03	0.00E+00	1.11E-03	1.08E-04
1489	420930.6	3739625	1.12E-03	0.00E+00	1.12E-03	1.09E-04
1490	420934.2	3739633	1.13E-03	0.00E+00	1.13E-03	1.11E-04
1491	420937.8	3739642	1.14E-03	0.00E+00	1.14E-03	1.12E-04
1492	420941.4	3739651	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1493	420945	3739659	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1494	420948.6	3739668	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1495	420952.2	3739676	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1496	420955.8	3739685	1.21E-03	0.00E+00	1.21E-03	1.18E-04
1497	420959.4	3739694	1.22E-03	0.00E+00	1.22E-03	1.19E-04

1498	420963	3739702	1.23E-03	0.00E+00	1.23E-03	1.21E-04
1499	420966.6	3739711	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1500	420970.2	3739719	1.26E-03	0.00E+00	1.26E-03	1.24E-04
1501	420973.8	3739728	1.28E-03	0.00E+00	1.28E-03	1.25E-04
1502	420977.4	3739737	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1503	420981	3739745	1.30E-03	0.00E+00	1.30E-03	1.28E-04
1504	420984.6	3739754	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1505	420988.2	3739762	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1506	420991.8	3739771	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1507	420995.4	3739780	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1508	420999	3739788	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1509	421002.6	3739797	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1510	421006.2	3739806	1.40E-03	0.00E+00	1.40E-03	1.37E-04
1511	421009.8	3739814	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1512	421013.4	3739823	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1513	421017	3739831	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1514	421020.6	3739840	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1515	421024.2	3739849	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1516	421027.8	3739857	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1517	421031.4	3739866	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1518	421035	3739874	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1519	421038.6	3739883	1.60E-03	0.00E+00	1.60E-03	1.56E-04
1520	421042.2	3739892	1.62E-03	0.00E+00	1.62E-03	1.59E-04
1521	421045.8	3739900	1.65E-03	0.00E+00	1.65E-03	1.61E-04
1522	421049.4	3739909	1.67E-03	0.00E+00	1.67E-03	1.64E-04
1523	421053	3739917	1.70E-03	0.00E+00	1.70E-03	1.67E-04
1524	421056.6	3739926	1.73E-03	0.00E+00	1.73E-03	1.69E-04
1525	421060.2	3739935	1.76E-03	0.00E+00	1.76E-03	1.73E-04
1526	421063.8	3739943	1.79E-03	0.00E+00	1.79E-03	1.76E-04
1527	421067.4	3739952	1.83E-03	0.00E+00	1.83E-03	1.79E-04
1528	421071	3739960	1.85E-03	0.00E+00	1.85E-03	1.82E-04
1529	421074.6	3739969	1.88E-03	0.00E+00	1.88E-03	1.84E-04
1530	421078.2	3739978	1.91E-03	0.00E+00	1.91E-03	1.87E-04
1531	421081.8	3739986	1.94E-03	0.00E+00	1.94E-03	1.90E-04
1532	421085.4	3739995	1.96E-03	0.00E+00	1.96E-03	1.92E-04
1533	420199.6	3739128	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1534	420190.3	3739128	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1535	420180.9	3739128	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1536	420171.5	3739128	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1537	420162.2	3739128	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1538	420152.8	3739128	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1539	420143.4	3739128	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1540	420134	3739128	1.56E-03	0.00E+00	1.56E-03	1.52E-04
1541	420124.7	3739128	1.58E-03	0.00E+00	1.58E-03	1.54E-04
1542	420115.3	3739128	1.60E-03	0.00E+00	1.60E-03	1.56E-04
1543	420105.9	3739128	1.62E-03	0.00E+00	1.62E-03	1.59E-04
1544	420096.6	3739128	1.64E-03	0.00E+00	1.64E-03	1.61E-04

1545	420087.2	3739128	1.66E-03	0.00E+00	1.66E-03	1.63E-04
1546	420077.8	3739128	1.68E-03	0.00E+00	1.68E-03	1.65E-04
1547	420068.5	3739128	1.70E-03	0.00E+00	1.70E-03	1.67E-04
1548	420226.3	3739095	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1549	420235	3739098	1.28E-03	0.00E+00	1.28E-03	1.25E-04
1550	420243.6	3739102	1.27E-03	0.00E+00	1.27E-03	1.24E-04
1551	420252.3	3739106	1.26E-03	0.00E+00	1.26E-03	1.24E-04
1552	420260.9	3739109	1.25E-03	0.00E+00	1.25E-03	1.23E-04
1553	420269.6	3739113	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1554	420278.2	3739116	1.24E-03	0.00E+00	1.24E-03	1.21E-04
1555	420286.9	3739120	1.23E-03	0.00E+00	1.23E-03	1.21E-04
1556	420295.5	3739123	1.23E-03	0.00E+00	1.23E-03	1.20E-04
1557	420304.2	3739127	1.22E-03	0.00E+00	1.22E-03	1.19E-04
1558	420312.8	3739131	1.21E-03	0.00E+00	1.21E-03	1.19E-04
1559	420321.5	3739134	1.21E-03	0.00E+00	1.21E-03	1.18E-04
1560	420330.1	3739138	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1561	420338.8	3739141	1.20E-03	0.00E+00	1.20E-03	1.17E-04
1562	420347.4	3739145	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1563	420356.1	3739148	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1564	420364.7	3739152	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1565	420373.4	3739156	1.17E-03	0.00E+00	1.17E-03	1.15E-04
1566	420382.1	3739159	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1567	420390.7	3739163	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1568	420399.4	3739166	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1569	420408	3739170	1.16E-03	0.00E+00	1.16E-03	1.13E-04
1570	420416.7	3739173	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1571	420425.3	3739177	1.15E-03	0.00E+00	1.15E-03	1.12E-04
1572	420434	3739181	1.14E-03	0.00E+00	1.14E-03	1.12E-04
1573	420442.6	3739184	1.14E-03	0.00E+00	1.14E-03	1.11E-04
1574	420451.3	3739188	1.13E-03	0.00E+00	1.13E-03	1.11E-04
1575	420459.9	3739191	1.13E-03	0.00E+00	1.13E-03	1.10E-04
1576	420468.6	3739195	1.12E-03	0.00E+00	1.12E-03	1.10E-04
1577	420477.2	3739198	1.12E-03	0.00E+00	1.12E-03	1.09E-04
1578	420485.9	3739202	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1579	420494.5	3739206	1.11E-03	0.00E+00	1.11E-03	1.08E-04
1580	420503.2	3739209	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1581	420511.8	3739213	1.10E-03	0.00E+00	1.10E-03	1.07E-04
1582	420520.5	3739216	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1583	420529.1	3739220	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1584	420537.8	3739223	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1585	420546.5	3739227	1.07E-03	0.00E+00	1.07E-03	1.05E-04
1586	420555.1	3739231	1.07E-03	0.00E+00	1.07E-03	1.04E-04
1587	420563.8	3739234	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1588	420572.4	3739238	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1589	420581.1	3739241	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1590	420589.7	3739245	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1591	420598.4	3739248	1.03E-03	0.00E+00	1.03E-03	1.01E-04

1592	420633	3739263	1.01E-03	0.00E+00	1.01E-03	9.86E-05
1593	420641.6	3739266	1.00E-03	0.00E+00	1.00E-03	9.79E-05
1594	420650.3	3739270	9.93E-04	0.00E+00	9.93E-04	9.73E-05
1595	420658.9	3739273	9.86E-04	0.00E+00	9.86E-04	9.66E-05
1596	420667.6	3739277	9.79E-04	0.00E+00	9.79E-04	9.59E-05
1597	420676.2	3739281	9.72E-04	0.00E+00	9.72E-04	9.52E-05
1598	420684.9	3739284	9.65E-04	0.00E+00	9.65E-04	9.45E-05
1599	420693.5	3739288	9.58E-04	0.00E+00	9.58E-04	9.38E-05
1600	420702.2	3739291	9.38E-04	0.00E+00	9.38E-04	9.18E-05
1601	420710.8	3739295	9.30E-04	0.00E+00	9.30E-04	9.10E-05
1602	420719.5	3739298	9.22E-04	0.00E+00	9.22E-04	9.03E-05
1603	420728.2	3739302	9.14E-04	0.00E+00	9.14E-04	8.95E-05
1604	420736.8	3739306	9.06E-04	0.00E+00	9.06E-04	8.87E-05
1605	420745.5	3739309	8.98E-04	0.00E+00	8.98E-04	8.80E-05
1606	420754.1	3739313	8.91E-04	0.00E+00	8.91E-04	8.72E-05
1607	420762.8	3739316	8.83E-04	0.00E+00	8.83E-04	8.65E-05
1608	420771.4	3739320	8.76E-04	0.00E+00	8.76E-04	8.58E-05
1609	420780.1	3739323	8.70E-04	0.00E+00	8.70E-04	8.52E-05
1610	420788.7	3739327	8.65E-04	0.00E+00	8.65E-04	8.47E-05
1611	420797.4	3739331	8.60E-04	0.00E+00	8.60E-04	8.42E-05
1612	420806	3739334	8.55E-04	0.00E+00	8.55E-04	8.37E-05
1613	420814.7	3739338	8.51E-04	0.00E+00	8.51E-04	8.33E-05
1614	420823.3	3739341	8.47E-04	0.00E+00	8.47E-04	8.29E-05
1615	420832	3739345	8.43E-04	0.00E+00	8.43E-04	8.26E-05
1616	420840.6	3739348	8.40E-04	0.00E+00	8.40E-04	8.22E-05
1617	420849.3	3739352	8.34E-04	0.00E+00	8.34E-04	8.17E-05
1618	420868.8	3739381	8.44E-04	0.00E+00	8.44E-04	8.26E-05
1619	420872.4	3739390	8.47E-04	0.00E+00	8.47E-04	8.29E-05
1620	420876	3739399	8.49E-04	0.00E+00	8.49E-04	8.31E-05
1621	420879.6	3739407	8.52E-04	0.00E+00	8.52E-04	8.34E-05
1622	420883.2	3739416	8.57E-04	0.00E+00	8.57E-04	8.39E-05
1623	420886.9	3739425	8.64E-04	0.00E+00	8.64E-04	8.46E-05
1624	420890.5	3739433	8.70E-04	0.00E+00	8.70E-04	8.52E-05
1625	420894.1	3739442	8.77E-04	0.00E+00	8.77E-04	8.59E-05
1626	420897.7	3739451	8.83E-04	0.00E+00	8.83E-04	8.64E-05
1627	420901.3	3739459	8.88E-04	0.00E+00	8.88E-04	8.69E-05
1628	420904.9	3739468	8.93E-04	0.00E+00	8.93E-04	8.74E-05
1629	420908.5	3739476	8.96E-04	0.00E+00	8.96E-04	8.77E-05
1630	420912.2	3739485	8.98E-04	0.00E+00	8.98E-04	8.80E-05
1631	420915.8	3739494	9.01E-04	0.00E+00	9.01E-04	8.82E-05
1632	420919.4	3739502	9.06E-04	0.00E+00	9.06E-04	8.87E-05
1633	420923	3739511	9.17E-04	0.00E+00	9.17E-04	8.97E-05
1634	420926.6	3739520	9.28E-04	0.00E+00	9.28E-04	9.09E-05
1635	420930.2	3739528	9.41E-04	0.00E+00	9.41E-04	9.21E-05
1636	420933.8	3739537	9.54E-04	0.00E+00	9.54E-04	9.35E-05
1637	420937.4	3739546	9.68E-04	0.00E+00	9.68E-04	9.48E-05
1638	420941.1	3739554	9.82E-04	0.00E+00	9.82E-04	9.61E-05

1639	420944.7	3739563	9.94E-04	0.00E+00	9.94E-04	9.73E-05
1640	420948.3	3739571	1.00E-03	0.00E+00	1.00E-03	9.84E-05
1641	420951.9	3739580	1.02E-03	0.00E+00	1.02E-03	9.95E-05
1642	420955.5	3739589	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1643	420959.1	3739597	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1644	420962.7	3739606	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1645	420966.4	3739615	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1646	420970	3739623	1.07E-03	0.00E+00	1.07E-03	1.05E-04
1647	420973.6	3739632	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1648	420977.2	3739641	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1649	420980.8	3739649	1.11E-03	0.00E+00	1.11E-03	1.08E-04
1650	420984.4	3739658	1.12E-03	0.00E+00	1.12E-03	1.10E-04
1651	420988	3739666	1.13E-03	0.00E+00	1.13E-03	1.11E-04
1652	420991.7	3739675	1.14E-03	0.00E+00	1.14E-03	1.12E-04
1653	420995.3	3739684	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1654	420998.9	3739692	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1655	421002.5	3739701	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1656	421006.1	3739710	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1657	421009.7	3739718	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1658	421013.3	3739727	1.22E-03	0.00E+00	1.22E-03	1.19E-04
1659	421017	3739736	1.23E-03	0.00E+00	1.23E-03	1.21E-04
1660	421020.6	3739744	1.24E-03	0.00E+00	1.24E-03	1.22E-04
1661	421031.4	3739770	1.28E-03	0.00E+00	1.28E-03	1.25E-04
1662	421035	3739779	1.28E-03	0.00E+00	1.28E-03	1.26E-04
1663	421038.6	3739787	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1664	421042.3	3739796	1.29E-03	0.00E+00	1.29E-03	1.27E-04
1665	421045.9	3739805	1.31E-03	0.00E+00	1.31E-03	1.28E-04
1666	421049.5	3739813	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1667	421053.1	3739822	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1668	421056.7	3739830	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1669	421060.3	3739839	1.39E-03	0.00E+00	1.39E-03	1.37E-04
1670	421063.9	3739848	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1671	421067.6	3739856	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1672	421071.2	3739865	1.47E-03	0.00E+00	1.47E-03	1.43E-04
1673	421074.8	3739874	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1674	421078.4	3739882	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1675	421082	3739891	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1676	421085.6	3739900	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1677	421089.2	3739908	1.58E-03	0.00E+00	1.58E-03	1.55E-04
1678	421092.9	3739917	1.60E-03	0.00E+00	1.60E-03	1.57E-04
1679	421096.5	3739925	1.63E-03	0.00E+00	1.63E-03	1.59E-04
1680	421100.1	3739934	1.66E-03	0.00E+00	1.66E-03	1.62E-04
1681	421103.7	3739943	1.68E-03	0.00E+00	1.68E-03	1.65E-04
1682	421107.3	3739951	1.71E-03	0.00E+00	1.71E-03	1.67E-04
1683	421110.9	3739960	1.74E-03	0.00E+00	1.74E-03	1.70E-04
1684	421114.5	3739969	1.76E-03	0.00E+00	1.76E-03	1.73E-04
1685	421118.2	3739977	1.79E-03	0.00E+00	1.79E-03	1.75E-04

1686	421121.8	3739986	1.81E-03	0.00E+00	1.81E-03	1.77E-04
1687	421125.4	3739995	1.83E-03	0.00E+00	1.83E-03	1.79E-04
1688	420199.6	3739088	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1689	420190.3	3739088	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1690	420180.9	3739088	1.35E-03	0.00E+00	1.35E-03	1.33E-04
1691	420171.5	3739088	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1692	420162.2	3739088	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1693	420152.8	3739088	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1694	420143.4	3739088	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1695	420134	3739088	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1696	420124.7	3739088	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1697	420115.3	3739088	1.49E-03	0.00E+00	1.49E-03	1.45E-04
1698	420105.9	3739088	1.50E-03	0.00E+00	1.50E-03	1.47E-04
1699	420096.6	3739088	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1700	420087.2	3739088	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1701	420077.8	3739088	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1702	420068.5	3739088	1.58E-03	0.00E+00	1.58E-03	1.55E-04
1703	420226.1	3739055	1.21E-03	0.00E+00	1.21E-03	1.18E-04
1704	420234.7	3739058	1.20E-03	0.00E+00	1.20E-03	1.17E-04
1705	420243.3	3739062	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1706	420251.9	3739065	1.18E-03	0.00E+00	1.18E-03	1.16E-04
1707	420260.4	3739069	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1708	420269	3739072	1.17E-03	0.00E+00	1.17E-03	1.15E-04
1709	420277.6	3739076	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1710	420286.1	3739080	1.16E-03	0.00E+00	1.16E-03	1.13E-04
1711	420294.7	3739083	1.12E-03	0.00E+00	1.12E-03	1.10E-04
1712	420303.3	3739087	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1713	420311.9	3739090	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1714	420320.4	3739094	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1715	420329	3739097	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1716	420337.6	3739101	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1717	420346.1	3739104	1.12E-03	0.00E+00	1.12E-03	1.09E-04
1718	420354.7	3739108	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1719	420363.3	3739111	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1720	420371.9	3739115	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1721	420380.4	3739118	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1722	420389	3739122	1.10E-03	0.00E+00	1.10E-03	1.07E-04
1723	420397.6	3739126	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1724	420406.1	3739129	1.09E-03	0.00E+00	1.09E-03	1.06E-04
1725	420414.7	3739133	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1726	420423.3	3739136	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1727	420431.9	3739140	1.07E-03	0.00E+00	1.07E-03	1.05E-04
1728	420440.4	3739143	1.07E-03	0.00E+00	1.07E-03	1.05E-04
1729	420449	3739147	1.07E-03	0.00E+00	1.07E-03	1.04E-04
1730	420457.6	3739150	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1731	420466.2	3739154	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1732	420474.7	3739157	1.05E-03	0.00E+00	1.05E-03	1.03E-04

1733	420483.3	3739161	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1734	420491.9	3739164	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1735	420500.4	3739168	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1736	420509	3739172	1.04E-03	0.00E+00	1.04E-03	1.01E-04
1737	420517.6	3739175	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1738	420526.2	3739179	1.03E-03	0.00E+00	1.03E-03	1.00E-04
1739	420534.7	3739182	1.02E-03	0.00E+00	1.02E-03	1.00E-04
1740	420543.3	3739186	1.02E-03	0.00E+00	1.02E-03	9.95E-05
1741	420551.9	3739189	1.01E-03	0.00E+00	1.01E-03	9.90E-05
1742	420560.4	3739193	1.01E-03	0.00E+00	1.01E-03	9.85E-05
1743	420569	3739196	1.00E-03	0.00E+00	1.00E-03	9.79E-05
1744	420577.6	3739200	9.94E-04	0.00E+00	9.94E-04	9.74E-05
1745	420586.2	3739203	9.89E-04	0.00E+00	9.89E-04	9.68E-05
1746	420594.7	3739207	9.83E-04	0.00E+00	9.83E-04	9.62E-05
1747	420603.3	3739210	9.77E-04	0.00E+00	9.77E-04	9.57E-05
1748	420629	3739221	9.59E-04	0.00E+00	9.59E-04	9.39E-05
1749	420637.6	3739225	9.53E-04	0.00E+00	9.53E-04	9.34E-05
1750	420646.2	3739228	9.47E-04	0.00E+00	9.47E-04	9.28E-05
1751	420654.7	3739232	9.41E-04	0.00E+00	9.41E-04	9.22E-05
1752	420663.3	3739235	9.35E-04	0.00E+00	9.35E-04	9.16E-05
1753	420671.9	3739239	9.29E-04	0.00E+00	9.29E-04	9.10E-05
1754	420680.4	3739242	9.23E-04	0.00E+00	9.23E-04	9.03E-05
1755	420689	3739246	9.16E-04	0.00E+00	9.16E-04	8.97E-05
1756	420697.6	3739249	9.10E-04	0.00E+00	9.10E-04	8.91E-05
1757	420706.2	3739253	9.04E-04	0.00E+00	9.04E-04	8.85E-05
1758	420714.7	3739256	8.97E-04	0.00E+00	8.97E-04	8.79E-05
1759	420723.3	3739260	8.79E-04	0.00E+00	8.79E-04	8.61E-05
1760	420731.9	3739264	8.71E-04	0.00E+00	8.71E-04	8.53E-05
1761	420740.4	3739267	8.62E-04	0.00E+00	8.62E-04	8.45E-05
1762	420749	3739271	8.54E-04	0.00E+00	8.54E-04	8.37E-05
1763	420757.6	3739274	8.47E-04	0.00E+00	8.47E-04	8.30E-05
1764	420766.2	3739278	8.40E-04	0.00E+00	8.40E-04	8.23E-05
1765	420774.7	3739281	8.34E-04	0.00E+00	8.34E-04	8.16E-05
1766	420783.3	3739285	8.28E-04	0.00E+00	8.28E-04	8.11E-05
1767	420791.9	3739288	8.24E-04	0.00E+00	8.24E-04	8.07E-05
1768	420800.4	3739292	8.19E-04	0.00E+00	8.19E-04	8.02E-05
1769	420809	3739295	8.15E-04	0.00E+00	8.15E-04	7.98E-05
1770	420817.6	3739299	8.10E-04	0.00E+00	8.10E-04	7.93E-05
1771	420826.2	3739302	8.06E-04	0.00E+00	8.06E-04	7.89E-05
1772	420834.7	3739306	8.02E-04	0.00E+00	8.02E-04	7.85E-05
1773	420843.3	3739310	7.97E-04	0.00E+00	7.97E-04	7.81E-05
1774	420851.9	3739313	7.92E-04	0.00E+00	7.92E-04	7.76E-05
1775	420860.4	3739317	7.87E-04	0.00E+00	7.87E-04	7.71E-05
1776	420869	3739320	7.83E-04	0.00E+00	7.83E-04	7.66E-05
1777	420877.6	3739324	7.77E-04	0.00E+00	7.77E-04	7.61E-05
1778	420889.7	3739336	7.75E-04	0.00E+00	7.75E-04	7.58E-05
1779	420893.3	3739344	7.79E-04	0.00E+00	7.79E-04	7.62E-05

1780	420896.9	3739353	7.82E-04	0.00E+00	7.82E-04	7.66E-05
1781	420907.6	3739379	7.93E-04	0.00E+00	7.93E-04	7.77E-05
1782	420911.2	3739387	7.97E-04	0.00E+00	7.97E-04	7.81E-05
1783	420914.8	3739396	8.01E-04	0.00E+00	8.01E-04	7.84E-05
1784	420918.4	3739404	8.05E-04	0.00E+00	8.05E-04	7.88E-05
1785	420922	3739413	8.10E-04	0.00E+00	8.10E-04	7.93E-05
1786	420925.5	3739421	8.14E-04	0.00E+00	8.14E-04	7.97E-05
1787	420929.1	3739430	8.18E-04	0.00E+00	8.18E-04	8.01E-05
1788	420932.7	3739438	8.23E-04	0.00E+00	8.23E-04	8.06E-05
1789	420936.3	3739447	8.29E-04	0.00E+00	8.29E-04	8.12E-05
1790	420939.9	3739456	8.35E-04	0.00E+00	8.35E-04	8.18E-05
1791	420943.4	3739464	8.40E-04	0.00E+00	8.40E-04	8.23E-05
1792	420947	3739473	8.45E-04	0.00E+00	8.45E-04	8.27E-05
1793	420950.6	3739481	8.50E-04	0.00E+00	8.50E-04	8.32E-05
1794	420954.2	3739490	8.56E-04	0.00E+00	8.56E-04	8.38E-05
1795	420957.8	3739498	8.63E-04	0.00E+00	8.63E-04	8.45E-05
1796	420961.3	3739507	8.74E-04	0.00E+00	8.74E-04	8.56E-05
1797	420964.9	3739515	8.86E-04	0.00E+00	8.86E-04	8.67E-05
1798	420968.5	3739524	8.98E-04	0.00E+00	8.98E-04	8.79E-05
1799	420972.1	3739533	9.10E-04	0.00E+00	9.10E-04	8.91E-05
1800	420975.7	3739541	9.22E-04	0.00E+00	9.22E-04	9.03E-05
1801	420979.2	3739550	9.34E-04	0.00E+00	9.34E-04	9.14E-05
1802	420982.8	3739558	9.45E-04	0.00E+00	9.45E-04	9.26E-05
1803	420986.4	3739567	9.56E-04	0.00E+00	9.56E-04	9.36E-05
1804	420990	3739575	9.67E-04	0.00E+00	9.67E-04	9.47E-05
1805	420993.6	3739584	9.78E-04	0.00E+00	9.78E-04	9.58E-05
1806	420997.1	3739592	9.88E-04	0.00E+00	9.88E-04	9.68E-05
1807	421000.7	3739601	9.98E-04	0.00E+00	9.98E-04	9.77E-05
1808	421004.3	3739610	1.01E-03	0.00E+00	1.01E-03	9.86E-05
1809	421007.9	3739618	1.02E-03	0.00E+00	1.02E-03	9.96E-05
1810	421011.5	3739627	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1811	421015	3739635	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1812	421018.6	3739644	1.05E-03	0.00E+00	1.05E-03	1.03E-04
1813	421022.2	3739652	1.06E-03	0.00E+00	1.06E-03	1.04E-04
1814	421072.3	3739772	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1815	421075.9	3739781	1.21E-03	0.00E+00	1.21E-03	1.19E-04
1816	421079.5	3739789	1.22E-03	0.00E+00	1.22E-03	1.20E-04
1817	421083.1	3739798	1.24E-03	0.00E+00	1.24E-03	1.21E-04
1818	421086.6	3739806	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1819	421090.2	3739815	1.28E-03	0.00E+00	1.28E-03	1.25E-04
1820	421093.8	3739823	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1821	421097.4	3739832	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1822	421101	3739840	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1823	421104.5	3739849	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1824	421108.1	3739858	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1825	421111.7	3739866	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1826	421115.3	3739875	1.43E-03	0.00E+00	1.43E-03	1.40E-04

1827	421118.9	3739883	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1828	421122.5	3739892	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1829	421126	3739900	1.48E-03	0.00E+00	1.48E-03	1.45E-04
1830	421129.6	3739909	1.50E-03	0.00E+00	1.50E-03	1.47E-04
1831	421133.2	3739917	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1832	421136.8	3739926	1.54E-03	0.00E+00	1.54E-03	1.50E-04
1833	421140.4	3739935	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1834	421143.9	3739943	1.58E-03	0.00E+00	1.58E-03	1.55E-04
1835	421147.5	3739952	1.61E-03	0.00E+00	1.61E-03	1.57E-04
1836	421151.1	3739960	1.63E-03	0.00E+00	1.63E-03	1.60E-04
1837	421154.7	3739969	1.65E-03	0.00E+00	1.65E-03	1.62E-04
1838	421158.3	3739977	1.67E-03	0.00E+00	1.67E-03	1.64E-04
1839	421161.8	3739986	1.69E-03	0.00E+00	1.69E-03	1.65E-04
1840	421165.4	3739994	1.70E-03	0.00E+00	1.70E-03	1.66E-04
1841	420199.6	3739048	1.24E-03	0.00E+00	1.24E-03	1.21E-04
1842	420190.3	3739048	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1843	420180.9	3739048	1.27E-03	0.00E+00	1.27E-03	1.24E-04
1844	420171.5	3739048	1.28E-03	0.00E+00	1.28E-03	1.26E-04
1845	420162.2	3739048	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1846	420152.8	3739048	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1847	420143.4	3739048	1.33E-03	0.00E+00	1.33E-03	1.31E-04
1848	420134	3739048	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1849	420124.7	3739048	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1850	420115.3	3739048	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1851	420105.9	3739048	1.40E-03	0.00E+00	1.40E-03	1.37E-04
1852	420096.6	3739048	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1853	420087.2	3739048	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1854	420077.8	3739048	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1855	420068.5	3739048	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1856	420226.2	3739015	1.13E-03	0.00E+00	1.13E-03	1.11E-04
1857	420234.8	3739018	1.13E-03	0.00E+00	1.13E-03	1.10E-04
1858	420243.4	3739022	1.12E-03	0.00E+00	1.12E-03	1.10E-04
1859	420252	3739025	1.11E-03	0.00E+00	1.11E-03	1.09E-04
1860	420260.6	3739029	1.11E-03	0.00E+00	1.11E-03	1.08E-04
1861	420269.2	3739033	1.10E-03	0.00E+00	1.10E-03	1.08E-04
1862	420277.8	3739036	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1863	420286.4	3739040	1.09E-03	0.00E+00	1.09E-03	1.07E-04
1864	420295	3739043	1.08E-03	0.00E+00	1.08E-03	1.06E-04
1865	420303.6	3739047	1.08E-03	0.00E+00	1.08E-03	1.05E-04
1866	420312.2	3739050	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1867	420320.8	3739054	1.04E-03	0.00E+00	1.04E-03	1.02E-04
1868	420329.4	3739057	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1869	420338	3739061	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1870	420346.6	3739065	1.02E-03	0.00E+00	1.02E-03	1.00E-04
1871	420355.2	3739068	1.02E-03	0.00E+00	1.02E-03	9.99E-05
1872	420363.8	3739072	1.02E-03	0.00E+00	1.02E-03	9.97E-05
1873	420372.4	3739075	1.02E-03	0.00E+00	1.02E-03	9.97E-05

1874	420381	3739079	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1875	420389.6	3739082	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1876	420398.2	3739086	1.03E-03	0.00E+00	1.03E-03	1.01E-04
1877	420406.9	3739089	1.02E-03	0.00E+00	1.02E-03	1.00E-04
1878	420415.5	3739093	1.02E-03	0.00E+00	1.02E-03	9.98E-05
1879	420424.1	3739096	1.02E-03	0.00E+00	1.02E-03	9.95E-05
1880	420432.7	3739100	1.01E-03	0.00E+00	1.01E-03	9.91E-05
1881	420441.3	3739104	1.01E-03	0.00E+00	1.01E-03	9.87E-05
1882	420449.9	3739107	1.00E-03	0.00E+00	1.00E-03	9.83E-05
1883	420458.5	3739111	1.00E-03	0.00E+00	1.00E-03	9.80E-05
1884	420467.1	3739114	9.97E-04	0.00E+00	9.97E-04	9.76E-05
1885	420475.7	3739118	9.94E-04	0.00E+00	9.94E-04	9.73E-05
1886	420484.3	3739121	9.90E-04	0.00E+00	9.90E-04	9.69E-05
1887	420492.9	3739125	9.86E-04	0.00E+00	9.86E-04	9.65E-05
1888	420501.5	3739128	9.82E-04	0.00E+00	9.82E-04	9.62E-05
1889	420510.1	3739132	9.78E-04	0.00E+00	9.78E-04	9.57E-05
1890	420518.7	3739136	9.74E-04	0.00E+00	9.74E-04	9.54E-05
1891	420527.3	3739139	9.70E-04	0.00E+00	9.70E-04	9.50E-05
1892	420535.9	3739143	9.65E-04	0.00E+00	9.65E-04	9.45E-05
1893	420544.5	3739146	9.61E-04	0.00E+00	9.61E-04	9.41E-05
1894	420553.1	3739150	9.56E-04	0.00E+00	9.56E-04	9.37E-05
1895	420561.7	3739153	9.52E-04	0.00E+00	9.52E-04	9.32E-05
1896	420570.3	3739157	9.47E-04	0.00E+00	9.47E-04	9.27E-05
1897	420578.9	3739160	9.42E-04	0.00E+00	9.42E-04	9.22E-05
1898	420587.5	3739164	9.37E-04	0.00E+00	9.37E-04	9.17E-05
1899	420596.1	3739167	9.31E-04	0.00E+00	9.31E-04	9.12E-05
1900	420604.7	3739171	9.25E-04	0.00E+00	9.25E-04	9.06E-05
1901	420630.5	3739182	9.07E-04	0.00E+00	9.07E-04	8.88E-05
1902	420639.1	3739185	9.05E-04	0.00E+00	9.05E-04	8.86E-05
1903	420647.7	3739189	9.00E-04	0.00E+00	9.00E-04	8.81E-05
1904	420656.3	3739192	8.94E-04	0.00E+00	8.94E-04	8.76E-05
1905	420664.9	3739196	8.89E-04	0.00E+00	8.89E-04	8.70E-05
1906	420673.5	3739199	8.84E-04	0.00E+00	8.84E-04	8.65E-05
1907	420682.1	3739203	8.78E-04	0.00E+00	8.78E-04	8.60E-05
1908	420690.7	3739207	8.73E-04	0.00E+00	8.73E-04	8.54E-05
1909	420699.3	3739210	8.67E-04	0.00E+00	8.67E-04	8.49E-05
1910	420707.9	3739214	8.61E-04	0.00E+00	8.61E-04	8.43E-05
1911	420716.5	3739217	8.55E-04	0.00E+00	8.55E-04	8.38E-05
1912	420725.1	3739221	8.50E-04	0.00E+00	8.50E-04	8.32E-05
1913	420733.7	3739224	8.44E-04	0.00E+00	8.44E-04	8.26E-05
1914	420742.3	3739228	8.27E-04	0.00E+00	8.27E-04	8.10E-05
1915	420750.9	3739231	8.19E-04	0.00E+00	8.19E-04	8.02E-05
1916	420759.5	3739235	8.12E-04	0.00E+00	8.12E-04	7.95E-05
1917	420768.1	3739239	8.05E-04	0.00E+00	8.05E-04	7.88E-05
1918	420776.7	3739242	7.98E-04	0.00E+00	7.98E-04	7.81E-05
1919	420785.3	3739246	7.93E-04	0.00E+00	7.93E-04	7.76E-05
1920	420793.9	3739249	7.89E-04	0.00E+00	7.89E-04	7.72E-05

1921	420802.5	3739253	7.85E-04	0.00E+00	7.85E-04	7.69E-05
1922	420811.1	3739256	7.81E-04	0.00E+00	7.81E-04	7.65E-05
1923	420819.7	3739260	7.77E-04	0.00E+00	7.77E-04	7.60E-05
1924	420828.3	3739263	7.72E-04	0.00E+00	7.72E-04	7.56E-05
1925	420837	3739267	7.67E-04	0.00E+00	7.67E-04	7.51E-05
1926	420845.6	3739270	7.63E-04	0.00E+00	7.63E-04	7.47E-05
1927	420854.2	3739274	7.58E-04	0.00E+00	7.58E-04	7.42E-05
1928	420862.8	3739278	7.54E-04	0.00E+00	7.54E-04	7.38E-05
1929	420871.4	3739281	7.49E-04	0.00E+00	7.49E-04	7.34E-05
1930	420880	3739285	7.44E-04	0.00E+00	7.44E-04	7.29E-05
1931	420888.6	3739288	7.39E-04	0.00E+00	7.39E-04	7.24E-05
1932	420897.2	3739292	7.34E-04	0.00E+00	7.34E-04	7.19E-05
1933	420905.8	3739295	7.29E-04	0.00E+00	7.29E-04	7.14E-05
1934	420918	3739307	7.26E-04	0.00E+00	7.26E-04	7.11E-05
1935	420921.6	3739316	7.28E-04	0.00E+00	7.28E-04	7.13E-05
1936	420925.1	3739325	7.30E-04	0.00E+00	7.30E-04	7.15E-05
1937	420928.7	3739333	7.33E-04	0.00E+00	7.33E-04	7.18E-05
1938	420932.3	3739342	7.37E-04	0.00E+00	7.37E-04	7.22E-05
1939	420935.9	3739350	7.42E-04	0.00E+00	7.42E-04	7.27E-05
1940	420939.5	3739359	7.48E-04	0.00E+00	7.48E-04	7.32E-05
1941	420950.3	3739385	7.64E-04	0.00E+00	7.64E-04	7.48E-05
1942	420953.9	3739393	7.69E-04	0.00E+00	7.69E-04	7.53E-05
1943	420957.5	3739402	7.74E-04	0.00E+00	7.74E-04	7.58E-05
1944	420961.1	3739410	7.79E-04	0.00E+00	7.79E-04	7.63E-05
1945	420964.7	3739419	7.83E-04	0.00E+00	7.83E-04	7.67E-05
1946	420968.3	3739428	7.88E-04	0.00E+00	7.88E-04	7.72E-05
1947	420971.9	3739436	7.94E-04	0.00E+00	7.94E-04	7.77E-05
1948	420975.4	3739445	7.99E-04	0.00E+00	7.99E-04	7.82E-05
1949	420979	3739453	8.03E-04	0.00E+00	8.03E-04	7.86E-05
1950	420982.6	3739462	8.07E-04	0.00E+00	8.07E-04	7.90E-05
1951	420986.2	3739471	8.11E-04	0.00E+00	8.11E-04	7.94E-05
1952	420989.8	3739479	8.19E-04	0.00E+00	8.19E-04	8.02E-05
1953	420993.4	3739488	8.27E-04	0.00E+00	8.27E-04	8.10E-05
1954	420997	3739496	8.35E-04	0.00E+00	8.35E-04	8.17E-05
1955	421000.6	3739505	8.44E-04	0.00E+00	8.44E-04	8.26E-05
1956	421004.2	3739513	8.54E-04	0.00E+00	8.54E-04	8.36E-05
1957	421007.8	3739522	8.64E-04	0.00E+00	8.64E-04	8.46E-05
1958	421011.4	3739531	8.73E-04	0.00E+00	8.73E-04	8.55E-05
1959	421015	3739539	8.83E-04	0.00E+00	8.83E-04	8.65E-05
1960	421018.6	3739548	8.93E-04	0.00E+00	8.93E-04	8.75E-05
1961	421022.2	3739556	9.03E-04	0.00E+00	9.03E-04	8.84E-05
1962	421112	3739771	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1963	421115.6	3739780	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1964	421119.2	3739788	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1965	421122.8	3739797	1.19E-03	0.00E+00	1.19E-03	1.16E-04
1966	421126.4	3739805	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1967	421129.9	3739814	1.22E-03	0.00E+00	1.22E-03	1.20E-04

1968	421133.5	3739823	1.24E-03	0.00E+00	1.24E-03	1.22E-04
1969	421137.1	3739831	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1970	421140.7	3739840	1.28E-03	0.00E+00	1.28E-03	1.25E-04
1971	421144.3	3739848	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1972	421147.9	3739857	1.31E-03	0.00E+00	1.31E-03	1.29E-04
1973	421151.5	3739865	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1974	421155.1	3739874	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1975	421158.7	3739883	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1976	421162.3	3739891	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1977	421165.9	3739900	1.39E-03	0.00E+00	1.39E-03	1.36E-04
1978	421169.5	3739908	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1979	421173.1	3739917	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1980	421176.7	3739926	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1981	421180.2	3739934	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1982	421183.8	3739943	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1983	421187.4	3739951	1.51E-03	0.00E+00	1.51E-03	1.48E-04
1984	421191	3739960	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1985	421194.6	3739968	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1986	421198.2	3739977	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1987	421201.8	3739986	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1988	421205.4	3739994	1.59E-03	0.00E+00	1.59E-03	1.55E-04
1989	420199.6	3739008	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1990	420190.3	3739008	1.17E-03	0.00E+00	1.17E-03	1.15E-04
1991	420180.9	3739008	1.19E-03	0.00E+00	1.19E-03	1.16E-04
1992	420171.5	3739008	1.20E-03	0.00E+00	1.20E-03	1.18E-04
1993	420162.2	3739008	1.22E-03	0.00E+00	1.22E-03	1.19E-04
1994	420152.8	3739008	1.23E-03	0.00E+00	1.23E-03	1.21E-04
1995	420143.4	3739008	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1996	420134	3739008	1.26E-03	0.00E+00	1.26E-03	1.24E-04
1997	420124.7	3739008	1.28E-03	0.00E+00	1.28E-03	1.25E-04
1998	420115.3	3739008	1.30E-03	0.00E+00	1.30E-03	1.27E-04
1999	420105.9	3739008	1.31E-03	0.00E+00	1.31E-03	1.28E-04
2000	420096.6	3739008	1.33E-03	0.00E+00	1.33E-03	1.30E-04
2001	420087.2	3739008	1.34E-03	0.00E+00	1.34E-03	1.32E-04
2002	420077.8	3739008	1.36E-03	0.00E+00	1.36E-03	1.33E-04
2003	420068.5	3739008	1.37E-03	0.00E+00	1.37E-03	1.35E-04
2004	420034.4	3739902	3.42E-02	0.00E+00	3.42E-02	3.35E-03
2005	420042.9	3739898	3.45E-02	0.00E+00	3.45E-02	3.38E-03
2006	420051.4	3739895	3.46E-02	0.00E+00	3.46E-02	3.39E-03
2007	420059.9	3739891	3.44E-02	0.00E+00	3.44E-02	3.37E-03
2008	419994	3739899	2.62E-02	0.00E+00	2.62E-02	2.56E-03
2009	420010.5	3739892	2.80E-02	0.00E+00	2.80E-02	2.74E-03
2010	420027.1	3739885	2.90E-02	0.00E+00	2.90E-02	2.84E-03
2011	420043.6	3739878	2.93E-02	0.00E+00	2.93E-02	2.87E-03
2012	419951.7	3739903	1.95E-02	0.00E+00	1.95E-02	1.91E-03
2013	419963.1	3739892	2.04E-02	0.00E+00	2.04E-02	2.00E-03
2014	419979.3	3739885	2.21E-02	0.00E+00	2.21E-02	2.17E-03

2015	419995.5	3739878	2.36E-02	0.00E+00	2.36E-02	2.31E-03
2016	420044.1	3739858	2.51E-02	0.00E+00	2.51E-02	2.46E-03
2017	419933.8	3739898	1.69E-02	0.00E+00	1.69E-02	1.65E-03
2018	419937.3	3739889	1.69E-02	0.00E+00	1.69E-02	1.65E-03
2019	419949.3	3739877	1.76E-02	0.00E+00	1.76E-02	1.72E-03
2020	419957.8	3739874	1.84E-02	0.00E+00	1.84E-02	1.80E-03
2021	420000.4	3739856	2.14E-02	0.00E+00	2.14E-02	2.09E-03
2022	420008.9	3739852	2.16E-02	0.00E+00	2.16E-02	2.12E-03
2023	420017.4	3739849	2.18E-02	0.00E+00	2.18E-02	2.14E-03
2024	420042.9	3739838	2.17E-02	0.00E+00	2.17E-02	2.12E-03
2025	420051.4	3739835	2.14E-02	0.00E+00	2.14E-02	2.10E-03
2026	420059.9	3739831	2.10E-02	0.00E+00	2.10E-02	2.06E-03
2027	419913	3739900	1.47E-02	0.00E+00	1.47E-02	1.44E-03
2028	419919.8	3739883	1.48E-02	0.00E+00	1.48E-02	1.45E-03
2029	419923.2	3739875	1.48E-02	0.00E+00	1.48E-02	1.45E-03
2030	419951.7	3739856	1.66E-02	0.00E+00	1.66E-02	1.63E-03
2031	419960	3739853	1.72E-02	0.00E+00	1.72E-02	1.68E-03
2032	419968.4	3739849	1.77E-02	0.00E+00	1.77E-02	1.73E-03
2033	419976.7	3739846	1.82E-02	0.00E+00	1.82E-02	1.78E-03
2034	419993.4	3739839	1.88E-02	0.00E+00	1.88E-02	1.84E-03
2035	420001.7	3739835	1.90E-02	0.00E+00	1.90E-02	1.86E-03
2036	420010.1	3739832	1.92E-02	0.00E+00	1.92E-02	1.88E-03
2037	420043.4	3739818	1.89E-02	0.00E+00	1.89E-02	1.85E-03
2038	420060.1	3739811	1.83E-02	0.00E+00	1.83E-02	1.79E-03
2039	419891.1	3739905	1.29E-02	0.00E+00	1.29E-02	1.26E-03
2040	419894.7	3739896	1.30E-02	0.00E+00	1.30E-02	1.27E-03
2041	419898.2	3739887	1.30E-02	0.00E+00	1.30E-02	1.28E-03
2042	419901.8	3739879	1.31E-02	0.00E+00	1.31E-02	1.28E-03
2043	419921.1	3739849	1.36E-02	0.00E+00	1.36E-02	1.33E-03
2044	419929.8	3739845	1.41E-02	0.00E+00	1.41E-02	1.38E-03
2045	419938.5	3739842	1.46E-02	0.00E+00	1.46E-02	1.43E-03
2046	419947.1	3739838	1.51E-02	0.00E+00	1.51E-02	1.48E-03
2047	419955.8	3739835	1.56E-02	0.00E+00	1.56E-02	1.53E-03
2048	419964.5	3739831	1.60E-02	0.00E+00	1.60E-02	1.57E-03
2049	419973.1	3739827	1.64E-02	0.00E+00	1.64E-02	1.60E-03
2050	419981.8	3739824	1.66E-02	0.00E+00	1.66E-02	1.63E-03
2051	419990.5	3739820	1.68E-02	0.00E+00	1.68E-02	1.65E-03
2052	419999.1	3739817	1.69E-02	0.00E+00	1.69E-02	1.66E-03
2053	420007.8	3739813	1.70E-02	0.00E+00	1.70E-02	1.67E-03
2054	420016.5	3739809	1.70E-02	0.00E+00	1.70E-02	1.67E-03
2055	420042.5	3739799	1.66E-02	0.00E+00	1.66E-02	1.63E-03
2056	420051.1	3739795	1.64E-02	0.00E+00	1.64E-02	1.60E-03
2057	420059.8	3739791	1.60E-02	0.00E+00	1.60E-02	1.57E-03
2058	419873.8	3739898	1.14E-02	0.00E+00	1.14E-02	1.12E-03
2059	419877.3	3739890	1.15E-02	0.00E+00	1.15E-02	1.13E-03
2060	419880.8	3739881	1.16E-02	0.00E+00	1.16E-02	1.13E-03
2061	419884.3	3739873	1.16E-02	0.00E+00	1.16E-02	1.14E-03

2062	419891.3	3739856	1.17E-02	0.00E+00	1.17E-02	1.14E-03
2063	419894.8	3739847	1.17E-02	0.00E+00	1.17E-02	1.14E-03
2064	419906.8	3739835	1.21E-02	0.00E+00	1.21E-02	1.18E-03
2065	419915.3	3739831	1.25E-02	0.00E+00	1.25E-02	1.22E-03
2066	419923.8	3739828	1.29E-02	0.00E+00	1.29E-02	1.27E-03
2067	419932.3	3739824	1.33E-02	0.00E+00	1.33E-02	1.31E-03
2068	419940.8	3739821	1.37E-02	0.00E+00	1.37E-02	1.35E-03
2069	419949.3	3739817	1.41E-02	0.00E+00	1.41E-02	1.38E-03
2070	419957.8	3739814	1.45E-02	0.00E+00	1.45E-02	1.42E-03
2071	419966.4	3739810	1.48E-02	0.00E+00	1.48E-02	1.45E-03
2072	419974.9	3739807	1.50E-02	0.00E+00	1.50E-02	1.47E-03
2073	419983.4	3739803	1.51E-02	0.00E+00	1.51E-02	1.48E-03
2074	419991.9	3739800	1.52E-02	0.00E+00	1.52E-02	1.49E-03
2075	420000.4	3739796	1.52E-02	0.00E+00	1.52E-02	1.49E-03
2076	420008.9	3739792	1.53E-02	0.00E+00	1.53E-02	1.50E-03
2077	419856.6	3739892	1.02E-02	0.00E+00	1.02E-02	9.97E-04
2078	419863.5	3739875	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2079	419873.8	3739850	1.04E-02	0.00E+00	1.04E-02	1.02E-03
2080	419880.7	3739833	1.05E-02	0.00E+00	1.05E-02	1.02E-03
2081	419892.5	3739821	1.08E-02	0.00E+00	1.08E-02	1.06E-03
2082	419900.9	3739817	1.12E-02	0.00E+00	1.12E-02	1.09E-03
2083	419909.2	3739814	1.15E-02	0.00E+00	1.15E-02	1.13E-03
2084	419917.6	3739810	1.19E-02	0.00E+00	1.19E-02	1.16E-03
2085	419926	3739807	1.22E-02	0.00E+00	1.22E-02	1.20E-03
2086	419934.4	3739803	1.26E-02	0.00E+00	1.26E-02	1.23E-03
2087	419942.8	3739800	1.29E-02	0.00E+00	1.29E-02	1.26E-03
2088	419951.1	3739796	1.32E-02	0.00E+00	1.32E-02	1.29E-03
2089	419959.5	3739793	1.34E-02	0.00E+00	1.34E-02	1.31E-03
2090	419967.9	3739790	1.36E-02	0.00E+00	1.36E-02	1.33E-03
2091	420018.2	3739769	1.38E-02	0.00E+00	1.38E-02	1.35E-03
2092	420034.9	3739762	1.34E-02	0.00E+00	1.34E-02	1.31E-03
2093	420043.3	3739758	1.32E-02	0.00E+00	1.32E-02	1.29E-03
2094	420051.7	3739755	1.29E-02	0.00E+00	1.29E-02	1.26E-03
2095	420060.1	3739751	1.26E-02	0.00E+00	1.26E-02	1.23E-03
2096	419831	3739905	8.99E-03	0.00E+00	8.99E-03	8.80E-04
2097	419834.5	3739897	9.05E-03	0.00E+00	9.05E-03	8.86E-04
2098	419838	3739888	9.10E-03	0.00E+00	9.10E-03	8.91E-04
2099	419841.6	3739879	9.15E-03	0.00E+00	9.15E-03	8.96E-04
2100	419845.1	3739871	9.19E-03	0.00E+00	9.19E-03	9.00E-04
2101	419852.2	3739854	9.28E-03	0.00E+00	9.28E-03	9.09E-04
2102	419855.8	3739845	9.34E-03	0.00E+00	9.34E-03	9.14E-04
2103	419859.3	3739836	9.38E-03	0.00E+00	9.38E-03	9.19E-04
2104	419862.8	3739828	9.42E-03	0.00E+00	9.42E-03	9.22E-04
2105	419866.4	3739819	9.45E-03	0.00E+00	9.45E-03	9.25E-04
2106	419878.6	3739807	9.81E-03	0.00E+00	9.81E-03	9.60E-04
2107	419887.2	3739803	1.01E-02	0.00E+00	1.01E-02	9.91E-04
2108	419895.8	3739800	1.04E-02	0.00E+00	1.04E-02	1.02E-03

2109	419904.4	3739796	1.07E-02	0.00E+00	1.07E-02	1.05E-03
2110	419913.1	3739792	1.11E-02	0.00E+00	1.11E-02	1.08E-03
2111	419964.9	3739771	1.25E-02	0.00E+00	1.25E-02	1.22E-03
2112	419973.5	3739767	1.26E-02	0.00E+00	1.26E-02	1.23E-03
2113	419982.1	3739764	1.26E-02	0.00E+00	1.26E-02	1.24E-03
2114	419990.8	3739760	1.27E-02	0.00E+00	1.27E-02	1.24E-03
2115	419999.4	3739756	1.26E-02	0.00E+00	1.26E-02	1.24E-03
2116	420008	3739753	1.26E-02	0.00E+00	1.26E-02	1.23E-03
2117	420016.7	3739749	1.25E-02	0.00E+00	1.25E-02	1.22E-03
2118	420025.3	3739746	1.23E-02	0.00E+00	1.23E-02	1.20E-03
2119	420033.9	3739742	1.21E-02	0.00E+00	1.21E-02	1.18E-03
2120	420042.6	3739738	1.18E-02	0.00E+00	1.18E-02	1.16E-03
2121	420051.2	3739735	1.16E-02	0.00E+00	1.16E-02	1.13E-03
2122	420059.8	3739731	1.12E-02	0.00E+00	1.12E-02	1.10E-03
2123	419813.8	3739899	8.12E-03	0.00E+00	8.12E-03	7.95E-04
2124	419817.3	3739890	8.16E-03	0.00E+00	8.16E-03	7.99E-04
2125	419820.8	3739881	8.20E-03	0.00E+00	8.20E-03	8.03E-04
2126	419824.3	3739873	8.24E-03	0.00E+00	8.24E-03	8.07E-04
2127	419834.8	3739847	8.39E-03	0.00E+00	8.39E-03	8.21E-04
2128	419838.3	3739839	8.44E-03	0.00E+00	8.44E-03	8.27E-04
2129	419841.8	3739830	8.49E-03	0.00E+00	8.49E-03	8.31E-04
2130	419845.3	3739822	8.54E-03	0.00E+00	8.54E-03	8.36E-04
2131	419848.8	3739813	8.58E-03	0.00E+00	8.58E-03	8.40E-04
2132	419852.2	3739805	8.61E-03	0.00E+00	8.61E-03	8.43E-04
2133	419864.2	3739793	8.92E-03	0.00E+00	8.92E-03	8.73E-04
2134	419915.3	3739771	1.05E-02	0.00E+00	1.05E-02	1.03E-03
2135	419923.8	3739768	1.08E-02	0.00E+00	1.08E-02	1.05E-03
2136	419932.3	3739764	1.10E-02	0.00E+00	1.10E-02	1.07E-03
2137	419940.8	3739761	1.12E-02	0.00E+00	1.12E-02	1.09E-03
2138	419949.3	3739757	1.13E-02	0.00E+00	1.13E-02	1.11E-03
2139	419957.8	3739754	1.14E-02	0.00E+00	1.14E-02	1.12E-03
2140	419966.4	3739750	1.15E-02	0.00E+00	1.15E-02	1.13E-03
2141	419974.9	3739747	1.16E-02	0.00E+00	1.16E-02	1.14E-03
2142	419983.4	3739743	1.16E-02	0.00E+00	1.16E-02	1.14E-03
2143	419991.9	3739740	1.16E-02	0.00E+00	1.16E-02	1.13E-03
2144	420000.4	3739736	1.15E-02	0.00E+00	1.15E-02	1.13E-03
2145	420008.9	3739732	1.14E-02	0.00E+00	1.14E-02	1.12E-03
2146	420017.4	3739729	1.13E-02	0.00E+00	1.13E-02	1.10E-03
2147	420025.9	3739725	1.11E-02	0.00E+00	1.11E-02	1.09E-03
2148	420034.4	3739722	1.09E-02	0.00E+00	1.09E-02	1.06E-03
2149	420042.9	3739718	1.06E-02	0.00E+00	1.06E-02	1.04E-03
2150	420051.4	3739715	1.04E-02	0.00E+00	1.04E-02	1.02E-03
2151	420059.9	3739711	1.01E-02	0.00E+00	1.01E-02	9.89E-04
2152	419806	3739844	7.30E-03	0.00E+00	7.30E-03	7.15E-04
2153	419809.6	3739836	7.35E-03	0.00E+00	7.35E-03	7.20E-04
2154	419813.1	3739827	7.39E-03	0.00E+00	7.39E-03	7.24E-04
2155	419816.7	3739818	7.43E-03	0.00E+00	7.43E-03	7.28E-04

2156	419820.2	3739810	7.47E-03	0.00E+00	7.47E-03	7.32E-04
2157	419823.8	3739801	7.51E-03	0.00E+00	7.51E-03	7.36E-04
2158	419827.4	3739792	7.53E-03	0.00E+00	7.53E-03	7.37E-04
2159	419843.1	3739771	7.79E-03	0.00E+00	7.79E-03	7.63E-04
2160	419851.8	3739768	8.05E-03	0.00E+00	8.05E-03	7.89E-04
2161	419860.5	3739764	8.31E-03	0.00E+00	8.31E-03	8.14E-04
2162	419869.1	3739761	8.55E-03	0.00E+00	8.55E-03	8.38E-04
2163	419877.8	3739757	8.79E-03	0.00E+00	8.79E-03	8.61E-04
2164	419886.5	3739753	9.01E-03	0.00E+00	9.01E-03	8.82E-04
2165	419895.1	3739750	9.21E-03	0.00E+00	9.21E-03	9.02E-04
2166	419903.8	3739746	9.40E-03	0.00E+00	9.40E-03	9.21E-04
2167	419912.5	3739743	9.58E-03	0.00E+00	9.58E-03	9.38E-04
2168	419921.1	3739739	9.74E-03	0.00E+00	9.74E-03	9.54E-04
2169	419929.8	3739735	9.88E-03	0.00E+00	9.88E-03	9.68E-04
2170	419938.5	3739732	1.00E-02	0.00E+00	1.00E-02	9.80E-04
2171	419947.1	3739728	1.01E-02	0.00E+00	1.01E-02	9.89E-04
2172	419955.8	3739725	1.02E-02	0.00E+00	1.02E-02	9.96E-04
2173	419964.5	3739721	1.02E-02	0.00E+00	1.02E-02	1.00E-03
2174	419973.1	3739717	1.02E-02	0.00E+00	1.02E-02	1.00E-03
2175	419981.8	3739714	1.02E-02	0.00E+00	1.02E-02	9.97E-04
2176	419990.5	3739710	1.01E-02	0.00E+00	1.01E-02	9.91E-04
2177	419999.1	3739707	1.00E-02	0.00E+00	1.00E-02	9.82E-04
2178	420007.8	3739703	9.91E-03	0.00E+00	9.91E-03	9.71E-04
2179	420016.5	3739699	9.77E-03	0.00E+00	9.77E-03	9.57E-04
2180	420025.1	3739696	9.60E-03	0.00E+00	9.60E-03	9.40E-04
2181	420033.8	3739692	9.41E-03	0.00E+00	9.41E-03	9.21E-04
2182	420042.5	3739689	9.20E-03	0.00E+00	9.20E-03	9.01E-04
2183	420051.1	3739685	8.97E-03	0.00E+00	8.97E-03	8.78E-04
2184	420059.8	3739681	8.73E-03	0.00E+00	8.73E-03	8.54E-04
2185	419795.7	3739796	6.59E-03	0.00E+00	6.59E-03	6.45E-04
2186	419806.2	3739771	6.59E-03	0.00E+00	6.59E-03	6.45E-04
2187	419809.7	3739762	6.64E-03	0.00E+00	6.64E-03	6.50E-04
2188	419821.7	3739750	6.90E-03	0.00E+00	6.90E-03	6.75E-04
2189	419830.2	3739747	7.11E-03	0.00E+00	7.11E-03	6.97E-04
2190	419838.7	3739743	7.33E-03	0.00E+00	7.33E-03	7.18E-04
2191	419847.2	3739740	7.54E-03	0.00E+00	7.54E-03	7.38E-04
2192	419855.7	3739736	7.73E-03	0.00E+00	7.73E-03	7.57E-04
2193	419864.2	3739733	7.91E-03	0.00E+00	7.91E-03	7.75E-04
2194	419872.8	3739729	8.08E-03	0.00E+00	8.08E-03	7.92E-04
2195	419881.3	3739726	8.24E-03	0.00E+00	8.24E-03	8.07E-04
2196	419889.8	3739722	8.40E-03	0.00E+00	8.40E-03	8.22E-04
2197	419898.3	3739718	8.54E-03	0.00E+00	8.54E-03	8.36E-04
2198	419906.8	3739715	8.67E-03	0.00E+00	8.67E-03	8.49E-04
2199	419915.3	3739711	8.79E-03	0.00E+00	8.79E-03	8.61E-04
2200	419923.8	3739708	8.89E-03	0.00E+00	8.89E-03	8.71E-04
2201	419932.3	3739704	8.97E-03	0.00E+00	8.97E-03	8.79E-04
2202	419940.8	3739701	9.03E-03	0.00E+00	9.03E-03	8.84E-04

2203	419949.3	3739697	9.07E-03	0.00E+00	9.07E-03	8.88E-04
2204	419957.8	3739694	9.08E-03	0.00E+00	9.08E-03	8.89E-04
2205	419966.4	3739690	9.07E-03	0.00E+00	9.07E-03	8.88E-04
2206	419974.9	3739687	9.04E-03	0.00E+00	9.04E-03	8.85E-04
2207	419983.4	3739683	8.98E-03	0.00E+00	8.98E-03	8.80E-04
2208	419991.9	3739680	8.90E-03	0.00E+00	8.90E-03	8.72E-04
2209	420000.4	3739676	8.81E-03	0.00E+00	8.81E-03	8.62E-04
2210	420008.9	3739672	8.69E-03	0.00E+00	8.69E-03	8.51E-04
2211	420017.4	3739669	8.55E-03	0.00E+00	8.55E-03	8.37E-04
2212	420025.9	3739665	8.40E-03	0.00E+00	8.40E-03	8.22E-04
2213	420034.4	3739662	8.22E-03	0.00E+00	8.22E-03	8.05E-04
2214	420042.9	3739658	8.03E-03	0.00E+00	8.03E-03	7.86E-04
2215	420051.4	3739655	7.83E-03	0.00E+00	7.83E-03	7.66E-04
2216	420059.9	3739651	7.61E-03	0.00E+00	7.61E-03	7.45E-04
2217	419800.6	3739729	6.16E-03	0.00E+00	6.16E-03	6.03E-04
2218	419809.2	3739726	6.35E-03	0.00E+00	6.35E-03	6.21E-04
2219	419817.9	3739722	6.53E-03	0.00E+00	6.53E-03	6.40E-04
2220	419826.5	3739718	6.71E-03	0.00E+00	6.71E-03	6.57E-04
2221	419835.1	3739715	6.88E-03	0.00E+00	6.88E-03	6.74E-04
2222	419843.8	3739711	7.05E-03	0.00E+00	7.05E-03	6.90E-04
2223	419852.4	3739708	7.21E-03	0.00E+00	7.21E-03	7.06E-04
2224	419861.1	3739704	7.34E-03	0.00E+00	7.34E-03	7.19E-04
2225	419869.7	3739700	7.47E-03	0.00E+00	7.47E-03	7.32E-04
2226	419878.3	3739697	7.60E-03	0.00E+00	7.60E-03	7.44E-04
2227	419887	3739693	7.72E-03	0.00E+00	7.72E-03	7.56E-04
2228	419895.6	3739690	7.84E-03	0.00E+00	7.84E-03	7.68E-04
2229	419904.3	3739686	7.94E-03	0.00E+00	7.94E-03	7.78E-04
2230	419912.9	3739682	8.02E-03	0.00E+00	8.02E-03	7.86E-04
2231	419921.5	3739679	8.08E-03	0.00E+00	8.08E-03	7.92E-04
2232	419930.2	3739675	8.12E-03	0.00E+00	8.12E-03	7.95E-04
2233	419938.8	3739672	8.14E-03	0.00E+00	8.14E-03	7.97E-04
2234	419947.5	3739668	8.15E-03	0.00E+00	8.15E-03	7.98E-04
2235	419956.1	3739664	8.14E-03	0.00E+00	8.14E-03	7.97E-04
2236	419964.8	3739661	8.11E-03	0.00E+00	8.11E-03	7.94E-04
2237	419973.4	3739657	8.06E-03	0.00E+00	8.06E-03	7.89E-04
2238	419982	3739654	8.00E-03	0.00E+00	8.00E-03	7.83E-04
2239	419990.7	3739650	7.92E-03	0.00E+00	7.92E-03	7.76E-04
2240	419999.3	3739646	7.83E-03	0.00E+00	7.83E-03	7.67E-04
2241	420008	3739643	7.72E-03	0.00E+00	7.72E-03	7.56E-04
2242	420016.6	3739639	7.59E-03	0.00E+00	7.59E-03	7.43E-04
2243	420025.2	3739636	7.44E-03	0.00E+00	7.44E-03	7.29E-04
2244	420033.9	3739632	7.28E-03	0.00E+00	7.28E-03	7.13E-04
2245	420042.5	3739628	7.12E-03	0.00E+00	7.12E-03	6.97E-04
2246	420051.2	3739625	6.94E-03	0.00E+00	6.94E-03	6.80E-04
2247	420059.8	3739621	6.76E-03	0.00E+00	6.76E-03	6.62E-04
2248	419749.7	3739763	5.26E-03	0.00E+00	5.26E-03	5.15E-04
2249	419753.2	3739754	5.27E-03	0.00E+00	5.27E-03	5.16E-04

2250	419756.7	3739746	5.28E-03	0.00E+00	5.28E-03	5.17E-04
2251	419760.2	3739737	5.30E-03	0.00E+00	5.30E-03	5.19E-04
2252	419763.7	3739729	5.33E-03	0.00E+00	5.33E-03	5.22E-04
2253	419767.2	3739720	5.36E-03	0.00E+00	5.36E-03	5.25E-04
2254	419796.2	3739701	5.83E-03	0.00E+00	5.83E-03	5.71E-04
2255	419804.7	3739697	5.98E-03	0.00E+00	5.98E-03	5.85E-04
2256	419813.2	3739694	6.13E-03	0.00E+00	6.13E-03	6.00E-04
2257	419821.7	3739690	6.27E-03	0.00E+00	6.27E-03	6.14E-04
2258	419830.2	3739687	6.40E-03	0.00E+00	6.40E-03	6.27E-04
2259	419838.7	3739683	6.53E-03	0.00E+00	6.53E-03	6.40E-04
2260	419847.2	3739680	6.65E-03	0.00E+00	6.65E-03	6.51E-04
2261	419855.7	3739676	6.77E-03	0.00E+00	6.77E-03	6.63E-04
2262	419864.2	3739673	6.89E-03	0.00E+00	6.89E-03	6.74E-04
2263	419872.8	3739669	6.99E-03	0.00E+00	6.99E-03	6.85E-04
2264	419881.3	3739666	7.09E-03	0.00E+00	7.09E-03	6.94E-04
2265	419889.8	3739662	7.17E-03	0.00E+00	7.17E-03	7.02E-04
2266	419898.3	3739658	7.24E-03	0.00E+00	7.24E-03	7.09E-04
2267	419906.8	3739655	7.30E-03	0.00E+00	7.30E-03	7.15E-04
2268	419915.3	3739651	7.34E-03	0.00E+00	7.34E-03	7.19E-04
2269	419923.8	3739648	7.36E-03	0.00E+00	7.36E-03	7.21E-04
2270	419932.3	3739644	7.37E-03	0.00E+00	7.37E-03	7.22E-04
2271	419940.8	3739641	7.37E-03	0.00E+00	7.37E-03	7.21E-04
2272	419949.3	3739637	7.36E-03	0.00E+00	7.36E-03	7.20E-04
2273	419957.8	3739634	7.33E-03	0.00E+00	7.33E-03	7.18E-04
2274	419966.4	3739630	7.29E-03	0.00E+00	7.29E-03	7.14E-04
2275	419974.9	3739627	7.24E-03	0.00E+00	7.24E-03	7.09E-04
2276	419983.4	3739623	7.17E-03	0.00E+00	7.17E-03	7.02E-04
2277	419991.9	3739620	7.08E-03	0.00E+00	7.08E-03	6.93E-04
2278	420000.4	3739616	6.98E-03	0.00E+00	6.98E-03	6.84E-04
2279	420008.9	3739612	6.87E-03	0.00E+00	6.87E-03	6.73E-04
2280	420017.4	3739609	6.75E-03	0.00E+00	6.75E-03	6.61E-04
2281	420025.9	3739605	6.61E-03	0.00E+00	6.61E-03	6.47E-04
2282	420034.4	3739602	6.47E-03	0.00E+00	6.47E-03	6.33E-04
2283	420042.9	3739598	6.32E-03	0.00E+00	6.32E-03	6.19E-04
2284	420051.4	3739595	6.16E-03	0.00E+00	6.16E-03	6.03E-04
2285	420059.9	3739591	6.00E-03	0.00E+00	6.00E-03	5.88E-04
2286	419721.1	3739760	4.74E-03	0.00E+00	4.74E-03	4.65E-04
2287	419724.6	3739751	4.75E-03	0.00E+00	4.75E-03	4.66E-04
2288	419728.2	3739742	4.76E-03	0.00E+00	4.76E-03	4.66E-04
2289	419731.7	3739734	4.78E-03	0.00E+00	4.78E-03	4.68E-04
2290	419735.2	3739725	4.80E-03	0.00E+00	4.80E-03	4.70E-04
2291	419738.8	3739716	4.82E-03	0.00E+00	4.82E-03	4.72E-04
2292	419742.3	3739708	4.84E-03	0.00E+00	4.84E-03	4.74E-04
2293	419745.8	3739699	4.86E-03	0.00E+00	4.86E-03	4.76E-04
2294	419758	3739687	5.00E-03	0.00E+00	5.00E-03	4.90E-04
2295	419766.6	3739683	5.13E-03	0.00E+00	5.13E-03	5.02E-04
2296	419792.5	3739672	5.50E-03	0.00E+00	5.50E-03	5.39E-04

2297	419801.1	3739669	5.63E-03	0.00E+00	5.63E-03	5.51E-04
2298	419809.7	3739665	5.75E-03	0.00E+00	5.75E-03	5.63E-04
2299	419818.4	3739662	5.87E-03	0.00E+00	5.87E-03	5.75E-04
2300	419827	3739658	5.99E-03	0.00E+00	5.99E-03	5.87E-04
2301	419835.6	3739655	6.10E-03	0.00E+00	6.10E-03	5.98E-04
2302	419844.2	3739651	6.21E-03	0.00E+00	6.21E-03	6.08E-04
2303	419852.9	3739647	6.31E-03	0.00E+00	6.31E-03	6.18E-04
2304	419861.5	3739644	6.40E-03	0.00E+00	6.40E-03	6.26E-04
2305	419870.1	3739640	6.48E-03	0.00E+00	6.48E-03	6.34E-04
2306	419878.7	3739637	6.54E-03	0.00E+00	6.54E-03	6.41E-04
2307	419887.4	3739633	6.60E-03	0.00E+00	6.60E-03	6.46E-04
2308	419896	3739629	6.65E-03	0.00E+00	6.65E-03	6.51E-04
2309	419904.6	3739626	6.68E-03	0.00E+00	6.68E-03	6.54E-04
2310	419913.2	3739622	6.70E-03	0.00E+00	6.70E-03	6.56E-04
2311	419921.9	3739619	6.71E-03	0.00E+00	6.71E-03	6.57E-04
2312	419930.5	3739615	6.71E-03	0.00E+00	6.71E-03	6.57E-04
2313	419939.1	3739612	6.70E-03	0.00E+00	6.70E-03	6.56E-04
2314	419947.7	3739608	6.67E-03	0.00E+00	6.67E-03	6.53E-04
2315	419956.3	3739604	6.64E-03	0.00E+00	6.64E-03	6.50E-04
2316	419965	3739601	6.58E-03	0.00E+00	6.58E-03	6.45E-04
2317	419973.6	3739597	6.52E-03	0.00E+00	6.52E-03	6.39E-04
2318	419982.2	3739594	6.45E-03	0.00E+00	6.45E-03	6.32E-04
2319	419990.8	3739590	6.36E-03	0.00E+00	6.36E-03	6.23E-04
2320	419999.5	3739586	6.26E-03	0.00E+00	6.26E-03	6.13E-04
2321	420008.1	3739583	6.15E-03	0.00E+00	6.15E-03	6.02E-04
2322	420016.7	3739579	6.03E-03	0.00E+00	6.03E-03	5.91E-04
2323	420025.3	3739576	5.90E-03	0.00E+00	5.90E-03	5.78E-04
2324	420034	3739572	5.77E-03	0.00E+00	5.77E-03	5.65E-04
2325	420042.6	3739568	5.64E-03	0.00E+00	5.64E-03	5.52E-04
2326	420051.2	3739565	5.50E-03	0.00E+00	5.50E-03	5.38E-04
2327	420059.8	3739561	5.35E-03	0.00E+00	5.35E-03	5.24E-04
2328	419696.7	3739746	4.31E-03	0.00E+00	4.31E-03	4.22E-04
2329	419700.2	3739737	4.32E-03	0.00E+00	4.32E-03	4.23E-04
2330	419703.7	3739729	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2331	419707.2	3739720	4.36E-03	0.00E+00	4.36E-03	4.27E-04
2332	419710.7	3739712	4.38E-03	0.00E+00	4.38E-03	4.29E-04
2333	419714.1	3739703	4.39E-03	0.00E+00	4.39E-03	4.30E-04
2334	419717.6	3739695	4.41E-03	0.00E+00	4.41E-03	4.31E-04
2335	419721.1	3739686	4.42E-03	0.00E+00	4.42E-03	4.33E-04
2336	419724.6	3739678	4.43E-03	0.00E+00	4.43E-03	4.34E-04
2337	419736.6	3739666	4.55E-03	0.00E+00	4.55E-03	4.45E-04
2338	419745.1	3739662	4.65E-03	0.00E+00	4.65E-03	4.56E-04
2339	419753.6	3739659	4.76E-03	0.00E+00	4.76E-03	4.66E-04
2340	419762.1	3739655	4.87E-03	0.00E+00	4.87E-03	4.76E-04
2341	419796.2	3739641	5.29E-03	0.00E+00	5.29E-03	5.18E-04
2342	419804.7	3739637	5.39E-03	0.00E+00	5.39E-03	5.28E-04
2343	419813.2	3739634	5.50E-03	0.00E+00	5.50E-03	5.38E-04

2344	419821.7	3739630	5.59E-03	0.00E+00	5.59E-03	5.48E-04
2345	419830.2	3739627	5.69E-03	0.00E+00	5.69E-03	5.57E-04
2346	419838.7	3739623	5.78E-03	0.00E+00	5.78E-03	5.66E-04
2347	419847.2	3739620	5.86E-03	0.00E+00	5.86E-03	5.73E-04
2348	419855.7	3739616	5.92E-03	0.00E+00	5.92E-03	5.80E-04
2349	419864.2	3739613	5.98E-03	0.00E+00	5.98E-03	5.85E-04
2350	419872.8	3739609	6.03E-03	0.00E+00	6.03E-03	5.90E-04
2351	419881.3	3739606	6.07E-03	0.00E+00	6.07E-03	5.94E-04
2352	419889.8	3739602	6.10E-03	0.00E+00	6.10E-03	5.97E-04
2353	419898.3	3739598	6.12E-03	0.00E+00	6.12E-03	5.99E-04
2354	419906.8	3739595	6.14E-03	0.00E+00	6.14E-03	6.01E-04
2355	419915.3	3739591	6.14E-03	0.00E+00	6.14E-03	6.01E-04
2356	419923.8	3739588	6.13E-03	0.00E+00	6.13E-03	6.01E-04
2357	419932.3	3739584	6.11E-03	0.00E+00	6.11E-03	5.99E-04
2358	419940.8	3739581	6.08E-03	0.00E+00	6.08E-03	5.96E-04
2359	419949.3	3739577	6.05E-03	0.00E+00	6.05E-03	5.92E-04
2360	419957.8	3739574	6.00E-03	0.00E+00	6.00E-03	5.87E-04
2361	419966.4	3739570	5.94E-03	0.00E+00	5.94E-03	5.82E-04
2362	419974.9	3739567	5.87E-03	0.00E+00	5.87E-03	5.75E-04
2363	419983.4	3739563	5.80E-03	0.00E+00	5.80E-03	5.68E-04
2364	419991.9	3739560	5.71E-03	0.00E+00	5.71E-03	5.59E-04
2365	420000.4	3739556	5.61E-03	0.00E+00	5.61E-03	5.50E-04
2366	420008.9	3739552	5.51E-03	0.00E+00	5.51E-03	5.40E-04
2367	420017.4	3739549	5.40E-03	0.00E+00	5.40E-03	5.29E-04
2368	420059.9	3739531	4.81E-03	0.00E+00	4.81E-03	4.71E-04
2369	419668	3739743	3.92E-03	0.00E+00	3.92E-03	3.84E-04
2370	419671.5	3739734	3.94E-03	0.00E+00	3.94E-03	3.85E-04
2371	419675	3739726	3.95E-03	0.00E+00	3.95E-03	3.87E-04
2372	419678.6	3739717	3.97E-03	0.00E+00	3.97E-03	3.89E-04
2373	419682.1	3739708	3.99E-03	0.00E+00	3.99E-03	3.90E-04
2374	419685.6	3739700	4.00E-03	0.00E+00	4.00E-03	3.92E-04
2375	419689.2	3739691	4.01E-03	0.00E+00	4.01E-03	3.93E-04
2376	419692.7	3739683	4.02E-03	0.00E+00	4.02E-03	3.94E-04
2377	419696.2	3739674	4.04E-03	0.00E+00	4.04E-03	3.95E-04
2378	419699.8	3739665	4.05E-03	0.00E+00	4.05E-03	3.96E-04
2379	419703.3	3739657	4.06E-03	0.00E+00	4.06E-03	3.97E-04
2380	419715.5	3739645	4.16E-03	0.00E+00	4.16E-03	4.07E-04
2381	419724.1	3739641	4.26E-03	0.00E+00	4.26E-03	4.17E-04
2382	419732.7	3739637	4.36E-03	0.00E+00	4.36E-03	4.26E-04
2383	419741.3	3739634	4.45E-03	0.00E+00	4.45E-03	4.36E-04
2384	419749.9	3739630	4.55E-03	0.00E+00	4.55E-03	4.45E-04
2385	419758.5	3739627	4.64E-03	0.00E+00	4.64E-03	4.55E-04
2386	419767.1	3739623	4.74E-03	0.00E+00	4.74E-03	4.64E-04
2387	419792.9	3739612	5.01E-03	0.00E+00	5.01E-03	4.90E-04
2388	419801.5	3739609	5.09E-03	0.00E+00	5.09E-03	4.98E-04
2389	419810.2	3739605	5.17E-03	0.00E+00	5.17E-03	5.06E-04
2390	419818.8	3739602	5.24E-03	0.00E+00	5.24E-03	5.13E-04

2391	419827.4	3739598	5.31E-03	0.00E+00	5.31E-03	5.20E-04
2392	419836	3739594	5.38E-03	0.00E+00	5.38E-03	5.27E-04
2393	419844.6	3739591	5.44E-03	0.00E+00	5.44E-03	5.32E-04
2394	419853.2	3739587	5.49E-03	0.00E+00	5.49E-03	5.37E-04
2395	419861.8	3739584	5.53E-03	0.00E+00	5.53E-03	5.42E-04
2396	419870.4	3739580	5.57E-03	0.00E+00	5.57E-03	5.46E-04
2397	419879	3739576	5.60E-03	0.00E+00	5.60E-03	5.48E-04
2398	419887.6	3739573	5.62E-03	0.00E+00	5.62E-03	5.50E-04
2399	419896.3	3739569	5.63E-03	0.00E+00	5.63E-03	5.52E-04
2400	419904.9	3739566	5.64E-03	0.00E+00	5.64E-03	5.52E-04
2401	419913.5	3739562	5.63E-03	0.00E+00	5.63E-03	5.51E-04
2402	419922.1	3739559	5.61E-03	0.00E+00	5.61E-03	5.49E-04
2403	419930.7	3739555	5.58E-03	0.00E+00	5.58E-03	5.47E-04
2404	419939.3	3739551	5.55E-03	0.00E+00	5.55E-03	5.43E-04
2405	419982.4	3739534	5.25E-03	0.00E+00	5.25E-03	5.14E-04
2406	419991	3739530	5.17E-03	0.00E+00	5.17E-03	5.06E-04
2407	419999.6	3739526	5.08E-03	0.00E+00	5.08E-03	4.97E-04
2408	420008.2	3739523	4.99E-03	0.00E+00	4.99E-03	4.88E-04
2409	420016.8	3739519	4.89E-03	0.00E+00	4.89E-03	4.79E-04
2410	420025.4	3739516	4.78E-03	0.00E+00	4.78E-03	4.69E-04
2411	420034	3739512	4.68E-03	0.00E+00	4.68E-03	4.58E-04
2412	420042.6	3739508	4.57E-03	0.00E+00	4.57E-03	4.48E-04
2413	420051.2	3739505	4.47E-03	0.00E+00	4.47E-03	4.37E-04
2414	420059.8	3739501	4.36E-03	0.00E+00	4.36E-03	4.27E-04
2415	419643.7	3739729	3.59E-03	0.00E+00	3.59E-03	3.52E-04
2416	419647.2	3739721	3.61E-03	0.00E+00	3.61E-03	3.53E-04
2417	419650.7	3739712	3.62E-03	0.00E+00	3.62E-03	3.55E-04
2418	419654.1	3739704	3.64E-03	0.00E+00	3.64E-03	3.56E-04
2419	419657.6	3739695	3.65E-03	0.00E+00	3.65E-03	3.57E-04
2420	419661.1	3739687	3.66E-03	0.00E+00	3.66E-03	3.59E-04
2421	419664.6	3739678	3.67E-03	0.00E+00	3.67E-03	3.60E-04
2422	419668.1	3739670	3.68E-03	0.00E+00	3.68E-03	3.61E-04
2423	419671.6	3739661	3.69E-03	0.00E+00	3.69E-03	3.62E-04
2424	419675.1	3739653	3.70E-03	0.00E+00	3.70E-03	3.62E-04
2425	419678.6	3739644	3.71E-03	0.00E+00	3.71E-03	3.63E-04
2426	419682.1	3739635	3.72E-03	0.00E+00	3.72E-03	3.64E-04
2427	419694.1	3739623	3.81E-03	0.00E+00	3.81E-03	3.73E-04
2428	419702.6	3739620	3.90E-03	0.00E+00	3.90E-03	3.82E-04
2429	419711.1	3739616	3.99E-03	0.00E+00	3.99E-03	3.90E-04
2430	419719.6	3739613	4.07E-03	0.00E+00	4.07E-03	3.99E-04
2431	419728.1	3739609	4.16E-03	0.00E+00	4.16E-03	4.07E-04
2432	419736.6	3739606	4.24E-03	0.00E+00	4.24E-03	4.15E-04
2433	419745.1	3739602	4.33E-03	0.00E+00	4.33E-03	4.24E-04
2434	419753.6	3739599	4.41E-03	0.00E+00	4.41E-03	4.32E-04
2435	419762.1	3739595	4.49E-03	0.00E+00	4.49E-03	4.40E-04
2436	419796.2	3739581	4.77E-03	0.00E+00	4.77E-03	4.68E-04
2437	419804.7	3739577	4.84E-03	0.00E+00	4.84E-03	4.74E-04

2438	419813.2	3739574	4.90E-03	0.00E+00	4.90E-03	4.80E-04
2439	419821.7	3739570	4.95E-03	0.00E+00	4.95E-03	4.85E-04
2440	419830.2	3739567	5.01E-03	0.00E+00	5.01E-03	4.90E-04
2441	419838.7	3739563	5.06E-03	0.00E+00	5.06E-03	4.95E-04
2442	419847.2	3739560	5.10E-03	0.00E+00	5.10E-03	5.00E-04
2443	419855.7	3739556	5.13E-03	0.00E+00	5.13E-03	5.03E-04
2444	419864.2	3739553	5.16E-03	0.00E+00	5.16E-03	5.05E-04
2445	419915.3	3739531	5.16E-03	0.00E+00	5.16E-03	5.05E-04
2446	419923.8	3739528	5.13E-03	0.00E+00	5.13E-03	5.03E-04
2447	419932.3	3739524	5.10E-03	0.00E+00	5.10E-03	4.99E-04
2448	419940.8	3739521	5.06E-03	0.00E+00	5.06E-03	4.95E-04
2449	419949.3	3739517	5.01E-03	0.00E+00	5.01E-03	4.91E-04
2450	419957.8	3739514	4.95E-03	0.00E+00	4.95E-03	4.85E-04
2451	419966.4	3739510	4.89E-03	0.00E+00	4.89E-03	4.79E-04
2452	419974.9	3739507	4.83E-03	0.00E+00	4.83E-03	4.73E-04
2453	419983.4	3739503	4.76E-03	0.00E+00	4.76E-03	4.66E-04
2454	419991.9	3739500	4.68E-03	0.00E+00	4.68E-03	4.59E-04
2455	420000.4	3739496	4.60E-03	0.00E+00	4.60E-03	4.51E-04
2456	420008.9	3739492	4.52E-03	0.00E+00	4.52E-03	4.43E-04
2457	420017.4	3739489	4.43E-03	0.00E+00	4.43E-03	4.34E-04
2458	420025.9	3739485	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2459	420034.4	3739482	4.25E-03	0.00E+00	4.25E-03	4.16E-04
2460	420042.9	3739478	4.15E-03	0.00E+00	4.15E-03	4.07E-04
2461	420051.4	3739475	4.06E-03	0.00E+00	4.06E-03	3.97E-04
2462	420059.9	3739471	3.96E-03	0.00E+00	3.96E-03	3.88E-04
2463	419611.4	3739735	3.27E-03	0.00E+00	3.27E-03	3.20E-04
2464	419614.9	3739726	3.28E-03	0.00E+00	3.28E-03	3.21E-04
2465	419618.4	3739718	3.30E-03	0.00E+00	3.30E-03	3.23E-04
2466	419622	3739709	3.31E-03	0.00E+00	3.31E-03	3.24E-04
2467	419625.5	3739701	3.32E-03	0.00E+00	3.32E-03	3.25E-04
2468	419629	3739692	3.34E-03	0.00E+00	3.34E-03	3.27E-04
2469	419632.5	3739683	3.35E-03	0.00E+00	3.35E-03	3.28E-04
2470	419636.1	3739675	3.36E-03	0.00E+00	3.36E-03	3.29E-04
2471	419639.6	3739666	3.37E-03	0.00E+00	3.37E-03	3.30E-04
2472	419643.1	3739657	3.38E-03	0.00E+00	3.38E-03	3.31E-04
2473	419646.7	3739649	3.39E-03	0.00E+00	3.39E-03	3.32E-04
2474	419650.2	3739640	3.39E-03	0.00E+00	3.39E-03	3.32E-04
2475	419653.7	3739632	3.40E-03	0.00E+00	3.40E-03	3.33E-04
2476	419657.2	3739623	3.40E-03	0.00E+00	3.40E-03	3.33E-04
2477	419660.8	3739614	3.41E-03	0.00E+00	3.41E-03	3.34E-04
2478	419672.9	3739602	3.50E-03	0.00E+00	3.50E-03	3.43E-04
2479	419681.5	3739599	3.59E-03	0.00E+00	3.59E-03	3.51E-04
2480	419690.1	3739595	3.67E-03	0.00E+00	3.67E-03	3.59E-04
2481	419698.7	3739591	3.75E-03	0.00E+00	3.75E-03	3.67E-04
2482	419707.3	3739588	3.82E-03	0.00E+00	3.82E-03	3.74E-04
2483	419715.9	3739584	3.90E-03	0.00E+00	3.90E-03	3.82E-04
2484	419724.5	3739581	3.97E-03	0.00E+00	3.97E-03	3.89E-04

2485	419733.1	3739577	4.05E-03	0.00E+00	4.05E-03	3.96E-04
2486	419741.7	3739574	4.12E-03	0.00E+00	4.12E-03	4.04E-04
2487	419750.3	3739570	4.19E-03	0.00E+00	4.19E-03	4.10E-04
2488	419758.9	3739566	4.26E-03	0.00E+00	4.26E-03	4.17E-04
2489	419793.3	3739552	4.50E-03	0.00E+00	4.50E-03	4.40E-04
2490	419836.3	3739534	4.72E-03	0.00E+00	4.72E-03	4.62E-04
2491	419844.9	3739531	4.75E-03	0.00E+00	4.75E-03	4.65E-04
2492	419853.5	3739527	4.77E-03	0.00E+00	4.77E-03	4.67E-04
2493	419862.1	3739524	4.79E-03	0.00E+00	4.79E-03	4.69E-04
2494	419870.7	3739520	4.80E-03	0.00E+00	4.80E-03	4.70E-04
2495	419879.3	3739516	4.81E-03	0.00E+00	4.81E-03	4.71E-04
2496	419887.9	3739513	4.80E-03	0.00E+00	4.80E-03	4.70E-04
2497	419896.5	3739509	4.79E-03	0.00E+00	4.79E-03	4.69E-04
2498	419905.1	3739506	4.77E-03	0.00E+00	4.77E-03	4.67E-04
2499	419913.7	3739502	4.75E-03	0.00E+00	4.75E-03	4.65E-04
2500	419922.3	3739499	4.71E-03	0.00E+00	4.71E-03	4.61E-04
2501	419930.9	3739495	4.67E-03	0.00E+00	4.67E-03	4.58E-04
2502	419939.5	3739491	4.63E-03	0.00E+00	4.63E-03	4.53E-04
2503	419948.1	3739488	4.58E-03	0.00E+00	4.58E-03	4.49E-04
2504	419956.7	3739484	4.53E-03	0.00E+00	4.53E-03	4.43E-04
2505	419965.3	3739481	4.47E-03	0.00E+00	4.47E-03	4.37E-04
2506	419973.9	3739477	4.40E-03	0.00E+00	4.40E-03	4.31E-04
2507	419982.5	3739473	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2508	419991.1	3739470	4.27E-03	0.00E+00	4.27E-03	4.18E-04
2509	419999.7	3739466	4.20E-03	0.00E+00	4.20E-03	4.11E-04
2510	420008.3	3739463	4.12E-03	0.00E+00	4.12E-03	4.04E-04
2511	420016.9	3739459	4.04E-03	0.00E+00	4.04E-03	3.96E-04
2512	420025.5	3739456	3.96E-03	0.00E+00	3.96E-03	3.88E-04
2513	420034.1	3739452	3.88E-03	0.00E+00	3.88E-03	3.80E-04
2514	420042.7	3739448	3.79E-03	0.00E+00	3.79E-03	3.71E-04
2515	420051.3	3739445	3.71E-03	0.00E+00	3.71E-03	3.63E-04
2516	420059.9	3739441	3.62E-03	0.00E+00	3.62E-03	3.54E-04
2517	419580.2	3739738	2.99E-03	0.00E+00	2.99E-03	2.93E-04
2518	419583.7	3739730	3.00E-03	0.00E+00	3.00E-03	2.94E-04
2519	419587.2	3739721	3.01E-03	0.00E+00	3.01E-03	2.95E-04
2520	419590.7	3739713	3.02E-03	0.00E+00	3.02E-03	2.96E-04
2521	419594.1	3739704	3.04E-03	0.00E+00	3.04E-03	2.97E-04
2522	419597.6	3739695	3.05E-03	0.00E+00	3.05E-03	2.99E-04
2523	419601.1	3739687	3.06E-03	0.00E+00	3.06E-03	3.00E-04
2524	419604.6	3739678	3.07E-03	0.00E+00	3.07E-03	3.01E-04
2525	419608.1	3739670	3.08E-03	0.00E+00	3.08E-03	3.02E-04
2526	419611.6	3739661	3.10E-03	0.00E+00	3.10E-03	3.03E-04
2527	419615.1	3739653	3.11E-03	0.00E+00	3.11E-03	3.04E-04
2528	419618.6	3739644	3.12E-03	0.00E+00	3.12E-03	3.05E-04
2529	419622.1	3739636	3.12E-03	0.00E+00	3.12E-03	3.06E-04
2530	419625.6	3739627	3.13E-03	0.00E+00	3.13E-03	3.06E-04
2531	419629.1	3739619	3.14E-03	0.00E+00	3.14E-03	3.07E-04

2532	419632.6	3739610	3.15E-03	0.00E+00	3.15E-03	3.08E-04
2533	419636	3739602	3.16E-03	0.00E+00	3.16E-03	3.09E-04
2534	419639.5	3739593	3.17E-03	0.00E+00	3.17E-03	3.10E-04
2535	419651.5	3739581	3.24E-03	0.00E+00	3.24E-03	3.17E-04
2536	419660	3739578	3.31E-03	0.00E+00	3.31E-03	3.24E-04
2537	419668.6	3739574	3.38E-03	0.00E+00	3.38E-03	3.31E-04
2538	419677.1	3739570	3.45E-03	0.00E+00	3.45E-03	3.38E-04
2539	419685.6	3739567	3.52E-03	0.00E+00	3.52E-03	3.45E-04
2540	419694.1	3739563	3.59E-03	0.00E+00	3.59E-03	3.51E-04
2541	419702.6	3739560	3.65E-03	0.00E+00	3.65E-03	3.58E-04
2542	419711.1	3739556	3.72E-03	0.00E+00	3.72E-03	3.64E-04
2543	419719.6	3739553	3.79E-03	0.00E+00	3.79E-03	3.71E-04
2544	419796.2	3739521	4.27E-03	0.00E+00	4.27E-03	4.19E-04
2545	419804.7	3739517	4.31E-03	0.00E+00	4.31E-03	4.22E-04
2546	419813.2	3739514	4.35E-03	0.00E+00	4.35E-03	4.26E-04
2547	419821.7	3739510	4.38E-03	0.00E+00	4.38E-03	4.29E-04
2548	419830.2	3739507	4.40E-03	0.00E+00	4.40E-03	4.31E-04
2549	419838.7	3739503	4.42E-03	0.00E+00	4.42E-03	4.33E-04
2550	419847.2	3739500	4.44E-03	0.00E+00	4.44E-03	4.35E-04
2551	419855.7	3739496	4.45E-03	0.00E+00	4.45E-03	4.36E-04
2552	419864.2	3739493	4.46E-03	0.00E+00	4.46E-03	4.36E-04
2553	419872.8	3739489	4.46E-03	0.00E+00	4.46E-03	4.37E-04
2554	419881.3	3739486	4.45E-03	0.00E+00	4.45E-03	4.36E-04
2555	419889.8	3739482	4.44E-03	0.00E+00	4.44E-03	4.35E-04
2556	419898.3	3739478	4.42E-03	0.00E+00	4.42E-03	4.33E-04
2557	419906.8	3739475	4.40E-03	0.00E+00	4.40E-03	4.31E-04
2558	419915.3	3739471	4.37E-03	0.00E+00	4.37E-03	4.28E-04
2559	419923.8	3739468	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2560	419932.3	3739464	4.29E-03	0.00E+00	4.29E-03	4.21E-04
2561	419940.8	3739461	4.25E-03	0.00E+00	4.25E-03	4.16E-04
2562	419949.3	3739457	4.20E-03	0.00E+00	4.20E-03	4.11E-04
2563	419957.8	3739454	4.15E-03	0.00E+00	4.15E-03	4.06E-04
2564	419966.4	3739450	4.09E-03	0.00E+00	4.09E-03	4.00E-04
2565	419974.9	3739447	4.03E-03	0.00E+00	4.03E-03	3.95E-04
2566	419983.4	3739443	3.97E-03	0.00E+00	3.97E-03	3.88E-04
2567	419991.9	3739440	3.90E-03	0.00E+00	3.90E-03	3.82E-04
2568	420000.4	3739436	3.83E-03	0.00E+00	3.83E-03	3.75E-04
2569	420008.9	3739432	3.76E-03	0.00E+00	3.76E-03	3.68E-04
2570	420017.4	3739429	3.69E-03	0.00E+00	3.69E-03	3.62E-04
2571	420025.9	3739425	3.62E-03	0.00E+00	3.62E-03	3.55E-04
2572	420034.4	3739422	3.55E-03	0.00E+00	3.55E-03	3.47E-04
2573	420042.9	3739418	3.47E-03	0.00E+00	3.47E-03	3.40E-04
2574	420051.4	3739415	3.39E-03	0.00E+00	3.39E-03	3.32E-04
2575	420059.9	3739411	3.32E-03	0.00E+00	3.32E-03	3.25E-04
2576	419540.9	3739737	2.69E-03	0.00E+00	2.69E-03	2.63E-04
2577	419544.4	3739728	2.69E-03	0.00E+00	2.69E-03	2.64E-04
2578	419547.9	3739719	2.70E-03	0.00E+00	2.70E-03	2.65E-04

2579	419551.4	3739711	2.71E-03	0.00E+00	2.71E-03	2.65E-04
2580	419554.9	3739702	2.72E-03	0.00E+00	2.72E-03	2.66E-04
2581	419558.5	3739694	2.73E-03	0.00E+00	2.73E-03	2.68E-04
2582	419562	3739685	2.74E-03	0.00E+00	2.74E-03	2.69E-04
2583	419565.5	3739677	2.75E-03	0.00E+00	2.75E-03	2.70E-04
2584	419569	3739668	2.77E-03	0.00E+00	2.77E-03	2.71E-04
2585	419572.5	3739659	2.78E-03	0.00E+00	2.78E-03	2.72E-04
2586	419576	3739651	2.79E-03	0.00E+00	2.79E-03	2.73E-04
2587	419579.5	3739642	2.80E-03	0.00E+00	2.80E-03	2.74E-04
2588	419583	3739634	2.81E-03	0.00E+00	2.81E-03	2.75E-04
2589	419586.6	3739625	2.81E-03	0.00E+00	2.81E-03	2.75E-04
2590	419590.1	3739616	2.82E-03	0.00E+00	2.82E-03	2.76E-04
2591	419593.6	3739608	2.83E-03	0.00E+00	2.83E-03	2.77E-04
2592	419597.1	3739599	2.84E-03	0.00E+00	2.84E-03	2.78E-04
2593	419600.6	3739591	2.85E-03	0.00E+00	2.85E-03	2.79E-04
2594	419604.1	3739582	2.86E-03	0.00E+00	2.86E-03	2.80E-04
2595	419607.6	3739574	2.87E-03	0.00E+00	2.87E-03	2.81E-04
2596	419611.2	3739565	2.88E-03	0.00E+00	2.88E-03	2.82E-04
2597	419623.2	3739553	2.94E-03	0.00E+00	2.94E-03	2.88E-04
2598	419794.5	3739482	3.96E-03	0.00E+00	3.96E-03	3.88E-04
2599	419803	3739478	3.99E-03	0.00E+00	3.99E-03	3.90E-04
2600	419811.6	3739475	4.01E-03	0.00E+00	4.01E-03	3.92E-04
2601	419820.2	3739471	4.02E-03	0.00E+00	4.02E-03	3.94E-04
2602	419828.7	3739467	4.04E-03	0.00E+00	4.04E-03	3.96E-04
2603	419837.3	3739464	4.05E-03	0.00E+00	4.05E-03	3.97E-04
2604	419845.8	3739460	4.06E-03	0.00E+00	4.06E-03	3.97E-04
2605	419854.4	3739457	4.06E-03	0.00E+00	4.06E-03	3.97E-04
2606	419863	3739453	4.06E-03	0.00E+00	4.06E-03	3.97E-04
2607	419871.5	3739450	4.05E-03	0.00E+00	4.05E-03	3.97E-04
2608	419880.1	3739446	4.04E-03	0.00E+00	4.04E-03	3.95E-04
2609	419888.7	3739442	4.02E-03	0.00E+00	4.02E-03	3.94E-04
2610	419897.2	3739439	4.00E-03	0.00E+00	4.00E-03	3.91E-04
2611	419905.8	3739435	3.97E-03	0.00E+00	3.97E-03	3.89E-04
2612	419914.3	3739432	3.94E-03	0.00E+00	3.94E-03	3.85E-04
2613	419922.9	3739428	3.90E-03	0.00E+00	3.90E-03	3.82E-04
2614	419931.5	3739425	3.86E-03	0.00E+00	3.86E-03	3.78E-04
2615	419940	3739421	3.82E-03	0.00E+00	3.82E-03	3.74E-04
2616	419948.6	3739418	3.77E-03	0.00E+00	3.77E-03	3.69E-04
2617	419957.1	3739414	3.71E-03	0.00E+00	3.71E-03	3.64E-04
2618	419965.7	3739410	3.66E-03	0.00E+00	3.66E-03	3.58E-04
2619	419974.3	3739407	3.60E-03	0.00E+00	3.60E-03	3.53E-04
2620	419982.8	3739403	3.54E-03	0.00E+00	3.54E-03	3.47E-04
2621	419991.4	3739400	3.48E-03	0.00E+00	3.48E-03	3.41E-04
2622	420000	3739396	3.42E-03	0.00E+00	3.42E-03	3.35E-04
2623	420008.5	3739393	3.36E-03	0.00E+00	3.36E-03	3.29E-04
2624	420017.1	3739389	3.30E-03	0.00E+00	3.30E-03	3.23E-04
2625	420025.6	3739386	3.24E-03	0.00E+00	3.24E-03	3.17E-04

2626	420034.2	3739382	3.17E-03	0.00E+00	3.17E-03	3.11E-04
2627	419498	3739744	2.41E-03	0.00E+00	2.41E-03	2.36E-04
2628	419501.5	3739735	2.42E-03	0.00E+00	2.42E-03	2.37E-04
2629	419505	3739727	2.43E-03	0.00E+00	2.43E-03	2.38E-04
2630	419508.6	3739718	2.44E-03	0.00E+00	2.44E-03	2.39E-04
2631	419512.1	3739709	2.45E-03	0.00E+00	2.45E-03	2.40E-04
2632	419515.6	3739701	2.46E-03	0.00E+00	2.46E-03	2.40E-04
2633	419519.2	3739692	2.46E-03	0.00E+00	2.46E-03	2.41E-04
2634	419522.7	3739684	2.47E-03	0.00E+00	2.47E-03	2.42E-04
2635	419526.2	3739675	2.48E-03	0.00E+00	2.48E-03	2.42E-04
2636	419529.8	3739666	2.48E-03	0.00E+00	2.48E-03	2.43E-04
2637	419533.3	3739658	2.49E-03	0.00E+00	2.49E-03	2.44E-04
2638	419536.8	3739649	2.50E-03	0.00E+00	2.50E-03	2.45E-04
2639	419540.4	3739640	2.51E-03	0.00E+00	2.51E-03	2.46E-04
2640	419543.9	3739632	2.52E-03	0.00E+00	2.52E-03	2.47E-04
2641	419547.4	3739623	2.53E-03	0.00E+00	2.53E-03	2.47E-04
2642	419551	3739615	2.54E-03	0.00E+00	2.54E-03	2.48E-04
2643	419554.5	3739606	2.55E-03	0.00E+00	2.55E-03	2.49E-04
2644	419558	3739597	2.56E-03	0.00E+00	2.56E-03	2.50E-04
2645	419561.6	3739589	2.56E-03	0.00E+00	2.56E-03	2.51E-04
2646	419565.1	3739580	2.57E-03	0.00E+00	2.57E-03	2.52E-04
2647	419568.6	3739571	2.58E-03	0.00E+00	2.58E-03	2.53E-04
2648	419572.2	3739563	2.59E-03	0.00E+00	2.59E-03	2.54E-04
2649	419575.7	3739554	2.60E-03	0.00E+00	2.60E-03	2.55E-04
2650	419801.5	3739439	3.68E-03	0.00E+00	3.68E-03	3.61E-04
2651	419810.2	3739435	3.70E-03	0.00E+00	3.70E-03	3.62E-04
2652	419818.8	3739432	3.70E-03	0.00E+00	3.70E-03	3.63E-04
2653	419827.4	3739428	3.71E-03	0.00E+00	3.71E-03	3.63E-04
2654	419836	3739424	3.71E-03	0.00E+00	3.71E-03	3.63E-04
2655	419844.6	3739421	3.71E-03	0.00E+00	3.71E-03	3.63E-04
2656	419853.2	3739417	3.70E-03	0.00E+00	3.70E-03	3.63E-04
2657	419861.8	3739414	3.70E-03	0.00E+00	3.70E-03	3.62E-04
2658	419870.4	3739410	3.68E-03	0.00E+00	3.68E-03	3.61E-04
2659	419879	3739406	3.67E-03	0.00E+00	3.67E-03	3.59E-04
2660	419887.6	3739403	3.65E-03	0.00E+00	3.65E-03	3.57E-04
2661	419896.3	3739399	3.62E-03	0.00E+00	3.62E-03	3.55E-04
2662	419904.9	3739396	3.59E-03	0.00E+00	3.59E-03	3.52E-04
2663	419913.5	3739392	3.56E-03	0.00E+00	3.56E-03	3.48E-04
2664	419922.1	3739389	3.52E-03	0.00E+00	3.52E-03	3.45E-04
2665	419930.7	3739385	3.48E-03	0.00E+00	3.48E-03	3.41E-04
2666	419973.7	3739367	3.24E-03	0.00E+00	3.24E-03	3.18E-04
2667	419982.4	3739364	3.19E-03	0.00E+00	3.19E-03	3.13E-04
2668	419991	3739360	3.14E-03	0.00E+00	3.14E-03	3.08E-04
2669	419999.6	3739356	3.09E-03	0.00E+00	3.09E-03	3.02E-04
2670	420008.2	3739353	3.03E-03	0.00E+00	3.03E-03	2.97E-04
2671	420016.8	3739349	2.98E-03	0.00E+00	2.98E-03	2.92E-04
2672	420025.4	3739346	2.92E-03	0.00E+00	2.92E-03	2.86E-04

2673	420034	3739342	2.86E-03	0.00E+00	2.86E-03	2.80E-04
2674	420042.6	3739338	2.80E-03	0.00E+00	2.80E-03	2.75E-04
2675	420051.2	3739335	2.75E-03	0.00E+00	2.75E-03	2.69E-04
2676	420059.8	3739331	2.69E-03	0.00E+00	2.69E-03	2.63E-04
2677	419458.5	3739743	2.19E-03	0.00E+00	2.19E-03	2.15E-04
2678	419462.1	3739734	2.20E-03	0.00E+00	2.20E-03	2.15E-04
2679	419465.6	3739725	2.21E-03	0.00E+00	2.21E-03	2.16E-04
2680	419469.2	3739717	2.22E-03	0.00E+00	2.22E-03	2.17E-04
2681	419472.7	3739708	2.23E-03	0.00E+00	2.23E-03	2.18E-04
2682	419476.3	3739699	2.23E-03	0.00E+00	2.23E-03	2.19E-04
2683	419479.8	3739691	2.24E-03	0.00E+00	2.24E-03	2.19E-04
2684	419483.4	3739682	2.25E-03	0.00E+00	2.25E-03	2.20E-04
2685	419486.9	3739673	2.25E-03	0.00E+00	2.25E-03	2.20E-04
2686	419490.5	3739665	2.25E-03	0.00E+00	2.25E-03	2.21E-04
2687	419494	3739656	2.26E-03	0.00E+00	2.26E-03	2.21E-04
2688	419497.6	3739647	2.26E-03	0.00E+00	2.26E-03	2.21E-04
2689	419501.1	3739639	2.26E-03	0.00E+00	2.26E-03	2.22E-04
2690	419504.7	3739630	2.27E-03	0.00E+00	2.27E-03	2.22E-04
2691	419508.2	3739621	2.28E-03	0.00E+00	2.28E-03	2.23E-04
2692	419511.8	3739613	2.29E-03	0.00E+00	2.29E-03	2.24E-04
2693	419515.3	3739604	2.30E-03	0.00E+00	2.30E-03	2.25E-04
2694	419518.9	3739595	2.31E-03	0.00E+00	2.31E-03	2.26E-04
2695	419522.4	3739587	2.32E-03	0.00E+00	2.32E-03	2.27E-04
2696	419526	3739578	2.33E-03	0.00E+00	2.33E-03	2.28E-04
2697	419529.5	3739569	2.34E-03	0.00E+00	2.34E-03	2.29E-04
2698	419533.1	3739561	2.35E-03	0.00E+00	2.35E-03	2.30E-04
2699	419800.2	3739399	3.41E-03	0.00E+00	3.41E-03	3.34E-04
2700	419808.9	3739396	3.42E-03	0.00E+00	3.42E-03	3.35E-04
2701	419817.5	3739392	3.42E-03	0.00E+00	3.42E-03	3.35E-04
2702	419826.2	3739388	3.42E-03	0.00E+00	3.42E-03	3.35E-04
2703	419834.8	3739385	3.41E-03	0.00E+00	3.41E-03	3.34E-04
2704	419878.1	3739367	3.34E-03	0.00E+00	3.34E-03	3.28E-04
2705	419886.7	3739363	3.32E-03	0.00E+00	3.32E-03	3.25E-04
2706	419895.4	3739360	3.29E-03	0.00E+00	3.29E-03	3.23E-04
2707	419904.1	3739356	3.26E-03	0.00E+00	3.26E-03	3.20E-04
2708	419912.7	3739352	3.23E-03	0.00E+00	3.23E-03	3.16E-04
2709	419921.4	3739349	3.20E-03	0.00E+00	3.20E-03	3.13E-04
2710	419930	3739345	3.16E-03	0.00E+00	3.16E-03	3.09E-04
2711	419938.7	3739342	3.12E-03	0.00E+00	3.12E-03	3.05E-04
2712	419947.3	3739338	3.08E-03	0.00E+00	3.08E-03	3.01E-04
2713	419956	3739334	3.03E-03	0.00E+00	3.03E-03	2.97E-04
2714	419964.6	3739331	2.99E-03	0.00E+00	2.99E-03	2.93E-04
2715	419973.3	3739327	2.94E-03	0.00E+00	2.94E-03	2.88E-04
2716	419981.9	3739324	2.90E-03	0.00E+00	2.90E-03	2.83E-04
2717	419990.6	3739320	2.85E-03	0.00E+00	2.85E-03	2.79E-04
2718	419999.2	3739316	2.80E-03	0.00E+00	2.80E-03	2.74E-04
2719	420007.9	3739313	2.75E-03	0.00E+00	2.75E-03	2.69E-04

2720	420016.5	3739309	2.70E-03	0.00E+00	2.70E-03	2.64E-04
2721	420025.2	3739306	2.64E-03	0.00E+00	2.64E-03	2.59E-04
2722	420033.8	3739302	2.59E-03	0.00E+00	2.59E-03	2.54E-04
2723	420042.5	3739299	2.54E-03	0.00E+00	2.54E-03	2.49E-04
2724	420051.1	3739295	2.49E-03	0.00E+00	2.49E-03	2.44E-04
2725	420059.8	3739291	2.44E-03	0.00E+00	2.44E-03	2.39E-04
2726	419424.3	3739729	2.02E-03	0.00E+00	2.02E-03	1.98E-04
2727	419427.8	3739720	2.02E-03	0.00E+00	2.02E-03	1.98E-04
2728	419431.3	3739712	2.03E-03	0.00E+00	2.03E-03	1.99E-04
2729	419434.8	3739703	2.04E-03	0.00E+00	2.04E-03	2.00E-04
2730	419438.3	3739695	2.05E-03	0.00E+00	2.05E-03	2.00E-04
2731	419441.8	3739686	2.05E-03	0.00E+00	2.05E-03	2.01E-04
2732	419445.3	3739678	2.06E-03	0.00E+00	2.06E-03	2.02E-04
2733	419448.9	3739669	2.06E-03	0.00E+00	2.06E-03	2.02E-04
2734	419452.4	3739660	2.07E-03	0.00E+00	2.07E-03	2.02E-04
2735	419455.9	3739652	2.07E-03	0.00E+00	2.07E-03	2.02E-04
2736	419459.4	3739643	2.07E-03	0.00E+00	2.07E-03	2.03E-04
2737	419462.9	3739635	2.07E-03	0.00E+00	2.07E-03	2.03E-04
2738	419466.4	3739626	2.07E-03	0.00E+00	2.07E-03	2.03E-04
2739	419469.9	3739618	2.08E-03	0.00E+00	2.08E-03	2.03E-04
2740	419473.4	3739609	2.09E-03	0.00E+00	2.09E-03	2.04E-04
2741	419476.9	3739600	2.10E-03	0.00E+00	2.10E-03	2.05E-04
2742	419480.4	3739592	2.11E-03	0.00E+00	2.11E-03	2.06E-04
2743	419484	3739583	2.12E-03	0.00E+00	2.12E-03	2.07E-04
2744	419487.5	3739575	2.13E-03	0.00E+00	2.13E-03	2.08E-04
2745	419491	3739566	2.14E-03	0.00E+00	2.14E-03	2.09E-04
2746	419494.5	3739558	2.15E-03	0.00E+00	2.15E-03	2.10E-04
2747	419734.9	3739386	3.07E-03	0.00E+00	3.07E-03	3.00E-04
2748	419743.4	3739383	3.09E-03	0.00E+00	3.09E-03	3.02E-04
2749	419752	3739379	3.11E-03	0.00E+00	3.11E-03	3.04E-04
2750	419760.5	3739376	3.12E-03	0.00E+00	3.12E-03	3.06E-04
2751	419794.7	3739362	3.16E-03	0.00E+00	3.16E-03	3.09E-04
2752	419803.3	3739358	3.16E-03	0.00E+00	3.16E-03	3.09E-04
2753	419811.8	3739354	3.16E-03	0.00E+00	3.16E-03	3.09E-04
2754	419820.4	3739351	3.15E-03	0.00E+00	3.15E-03	3.09E-04
2755	419829	3739347	3.15E-03	0.00E+00	3.15E-03	3.08E-04
2756	419837.5	3739344	3.14E-03	0.00E+00	3.14E-03	3.07E-04
2757	419846.1	3739340	3.12E-03	0.00E+00	3.12E-03	3.06E-04
2758	419854.6	3739337	3.11E-03	0.00E+00	3.11E-03	3.04E-04
2759	419863.2	3739333	3.09E-03	0.00E+00	3.09E-03	3.03E-04
2760	419871.7	3739330	3.07E-03	0.00E+00	3.07E-03	3.01E-04
2761	419880.3	3739326	3.05E-03	0.00E+00	3.05E-03	2.98E-04
2762	419888.8	3739322	3.02E-03	0.00E+00	3.02E-03	2.96E-04
2763	419897.4	3739319	2.99E-03	0.00E+00	2.99E-03	2.93E-04
2764	419905.9	3739315	2.96E-03	0.00E+00	2.96E-03	2.90E-04
2765	419914.5	3739312	2.93E-03	0.00E+00	2.93E-03	2.87E-04
2766	419923	3739308	2.90E-03	0.00E+00	2.90E-03	2.84E-04

2767	419931.6	3739305	2.86E-03	0.00E+00	2.86E-03	2.80E-04
2768	419940.2	3739301	2.83E-03	0.00E+00	2.83E-03	2.77E-04
2769	419948.7	3739298	2.79E-03	0.00E+00	2.79E-03	2.73E-04
2770	419957.3	3739294	2.75E-03	0.00E+00	2.75E-03	2.69E-04
2771	419965.8	3739290	2.71E-03	0.00E+00	2.71E-03	2.65E-04
2772	419974.4	3739287	2.67E-03	0.00E+00	2.67E-03	2.61E-04
2773	419982.9	3739283	2.62E-03	0.00E+00	2.62E-03	2.57E-04
2774	419991.5	3739280	2.58E-03	0.00E+00	2.58E-03	2.53E-04
2775	420000	3739276	2.54E-03	0.00E+00	2.54E-03	2.48E-04
2776	420008.6	3739273	2.49E-03	0.00E+00	2.49E-03	2.44E-04
2777	420017.1	3739269	2.45E-03	0.00E+00	2.45E-03	2.40E-04
2778	420025.7	3739265	2.40E-03	0.00E+00	2.40E-03	2.35E-04
2779	420034.2	3739262	2.36E-03	0.00E+00	2.36E-03	2.31E-04
2780	420042.8	3739258	2.31E-03	0.00E+00	2.31E-03	2.27E-04
2781	420051.3	3739255	2.27E-03	0.00E+00	2.27E-03	2.22E-04
2782	420059.9	3739251	2.22E-03	0.00E+00	2.22E-03	2.18E-04
2783	419374.3	3739754	1.84E-03	0.00E+00	1.84E-03	1.80E-04
2784	419377.8	3739745	1.85E-03	0.00E+00	1.85E-03	1.81E-04
2785	419381.3	3739736	1.85E-03	0.00E+00	1.85E-03	1.82E-04
2786	419384.8	3739728	1.86E-03	0.00E+00	1.86E-03	1.82E-04
2787	419388.4	3739719	1.87E-03	0.00E+00	1.87E-03	1.83E-04
2788	419402.5	3739685	1.89E-03	0.00E+00	1.89E-03	1.85E-04
2789	419406	3739676	1.89E-03	0.00E+00	1.89E-03	1.85E-04
2790	419409.5	3739668	1.90E-03	0.00E+00	1.90E-03	1.86E-04
2791	419413.1	3739659	1.90E-03	0.00E+00	1.90E-03	1.86E-04
2792	419416.6	3739650	1.91E-03	0.00E+00	1.91E-03	1.87E-04
2793	419420.1	3739642	1.91E-03	0.00E+00	1.91E-03	1.87E-04
2794	419423.6	3739633	1.91E-03	0.00E+00	1.91E-03	1.87E-04
2795	419427.2	3739624	1.92E-03	0.00E+00	1.92E-03	1.88E-04
2796	419430.7	3739616	1.92E-03	0.00E+00	1.92E-03	1.88E-04
2797	419434.2	3739607	1.93E-03	0.00E+00	1.93E-03	1.89E-04
2798	419437.7	3739599	1.94E-03	0.00E+00	1.94E-03	1.89E-04
2799	419441.3	3739590	1.94E-03	0.00E+00	1.94E-03	1.90E-04
2800	419444.8	3739581	1.95E-03	0.00E+00	1.95E-03	1.91E-04
2801	419448.3	3739573	1.96E-03	0.00E+00	1.96E-03	1.92E-04
2802	419451.8	3739564	1.97E-03	0.00E+00	1.97E-03	1.93E-04
2803	419455.4	3739556	1.97E-03	0.00E+00	1.97E-03	1.93E-04
2804	419466	3739530	1.99E-03	0.00E+00	1.99E-03	1.95E-04
2805	419469.5	3739521	2.00E-03	0.00E+00	2.00E-03	1.95E-04
2806	419473	3739512	2.00E-03	0.00E+00	2.00E-03	1.96E-04
2807	419476.5	3739504	2.01E-03	0.00E+00	2.01E-03	1.97E-04
2808	419480.1	3739495	2.02E-03	0.00E+00	2.02E-03	1.97E-04
2809	419483.6	3739487	2.02E-03	0.00E+00	2.02E-03	1.98E-04
2810	419487.1	3739478	2.03E-03	0.00E+00	2.03E-03	1.98E-04
2811	419490.6	3739469	2.03E-03	0.00E+00	2.03E-03	1.99E-04
2812	419494.2	3739461	2.04E-03	0.00E+00	2.04E-03	1.99E-04
2813	419497.7	3739452	2.04E-03	0.00E+00	2.04E-03	2.00E-04

2814	419690.3	3739365	2.77E-03	0.00E+00	2.77E-03	2.72E-04
2815	419698.9	3739361	2.80E-03	0.00E+00	2.80E-03	2.74E-04
2816	419707.5	3739358	2.82E-03	0.00E+00	2.82E-03	2.76E-04
2817	419716.1	3739354	2.84E-03	0.00E+00	2.84E-03	2.78E-04
2818	419724.7	3739351	2.86E-03	0.00E+00	2.86E-03	2.80E-04
2819	419733.3	3739347	2.88E-03	0.00E+00	2.88E-03	2.82E-04
2820	419741.9	3739344	2.89E-03	0.00E+00	2.89E-03	2.83E-04
2821	419750.5	3739340	2.90E-03	0.00E+00	2.90E-03	2.84E-04
2822	419759.1	3739336	2.91E-03	0.00E+00	2.91E-03	2.85E-04
2823	419793.4	3739322	2.92E-03	0.00E+00	2.92E-03	2.86E-04
2824	419802	3739319	2.92E-03	0.00E+00	2.92E-03	2.86E-04
2825	419810.6	3739315	2.92E-03	0.00E+00	2.92E-03	2.86E-04
2826	419819.2	3739311	2.91E-03	0.00E+00	2.91E-03	2.85E-04
2827	419827.8	3739308	2.90E-03	0.00E+00	2.90E-03	2.84E-04
2828	419836.4	3739304	2.89E-03	0.00E+00	2.89E-03	2.83E-04
2829	419845	3739301	2.87E-03	0.00E+00	2.87E-03	2.81E-04
2830	419853.6	3739297	2.86E-03	0.00E+00	2.86E-03	2.80E-04
2831	419862.2	3739293	2.84E-03	0.00E+00	2.84E-03	2.78E-04
2832	419870.8	3739290	2.82E-03	0.00E+00	2.82E-03	2.76E-04
2833	419879.4	3739286	2.79E-03	0.00E+00	2.79E-03	2.73E-04
2834	419888	3739283	2.77E-03	0.00E+00	2.77E-03	2.71E-04
2835	419896.6	3739279	2.74E-03	0.00E+00	2.74E-03	2.68E-04
2836	419905.2	3739276	2.71E-03	0.00E+00	2.71E-03	2.66E-04
2837	419913.8	3739272	2.68E-03	0.00E+00	2.68E-03	2.63E-04
2838	419922.3	3739268	2.65E-03	0.00E+00	2.65E-03	2.60E-04
2839	419930.9	3739265	2.62E-03	0.00E+00	2.62E-03	2.56E-04
2840	419939.5	3739261	2.58E-03	0.00E+00	2.58E-03	2.53E-04
2841	419948.1	3739258	2.55E-03	0.00E+00	2.55E-03	2.49E-04
2842	419956.7	3739254	2.51E-03	0.00E+00	2.51E-03	2.46E-04
2843	419965.3	3739251	2.47E-03	0.00E+00	2.47E-03	2.42E-04
2844	419973.9	3739247	2.44E-03	0.00E+00	2.44E-03	2.38E-04
2845	419982.5	3739243	2.40E-03	0.00E+00	2.40E-03	2.35E-04
2846	419991.1	3739240	2.36E-03	0.00E+00	2.36E-03	2.31E-04
2847	419999.7	3739236	2.32E-03	0.00E+00	2.32E-03	2.27E-04
2848	420008.3	3739233	2.28E-03	0.00E+00	2.28E-03	2.23E-04
2849	420016.9	3739229	2.24E-03	0.00E+00	2.24E-03	2.19E-04
2850	420025.5	3739226	2.20E-03	0.00E+00	2.20E-03	2.15E-04
2851	420034.1	3739222	2.16E-03	0.00E+00	2.16E-03	2.11E-04
2852	420042.7	3739218	2.12E-03	0.00E+00	2.12E-03	2.08E-04
2853	420051.3	3739215	2.08E-03	0.00E+00	2.08E-03	2.04E-04
2854	420059.9	3739211	2.04E-03	0.00E+00	2.04E-03	2.00E-04
2855	419334.7	3739753	1.70E-03	0.00E+00	1.70E-03	1.66E-04
2856	419338.3	3739744	1.70E-03	0.00E+00	1.70E-03	1.67E-04
2857	419341.8	3739735	1.71E-03	0.00E+00	1.71E-03	1.67E-04
2858	419345.3	3739727	1.71E-03	0.00E+00	1.71E-03	1.68E-04
2859	419348.9	3739718	1.72E-03	0.00E+00	1.72E-03	1.68E-04
2860	419352.4	3739710	1.72E-03	0.00E+00	1.72E-03	1.69E-04

2861	419356	3739701	1.73E-03	0.00E+00	1.73E-03	1.69E-04
2862	419359.5	3739692	1.73E-03	0.00E+00	1.73E-03	1.70E-04
2863	419363.1	3739684	1.74E-03	0.00E+00	1.74E-03	1.70E-04
2864	419366.6	3739675	1.74E-03	0.00E+00	1.74E-03	1.71E-04
2865	419377.2	3739649	1.76E-03	0.00E+00	1.76E-03	1.72E-04
2866	419380.8	3739640	1.76E-03	0.00E+00	1.76E-03	1.73E-04
2867	419384.3	3739632	1.77E-03	0.00E+00	1.77E-03	1.73E-04
2868	419387.9	3739623	1.77E-03	0.00E+00	1.77E-03	1.73E-04
2869	419391.4	3739614	1.78E-03	0.00E+00	1.78E-03	1.74E-04
2870	419394.9	3739606	1.78E-03	0.00E+00	1.78E-03	1.75E-04
2871	419398.5	3739597	1.79E-03	0.00E+00	1.79E-03	1.75E-04
2872	419402	3739588	1.80E-03	0.00E+00	1.80E-03	1.76E-04
2873	419405.6	3739580	1.80E-03	0.00E+00	1.80E-03	1.77E-04
2874	419409.1	3739571	1.81E-03	0.00E+00	1.81E-03	1.77E-04
2875	419412.6	3739562	1.81E-03	0.00E+00	1.81E-03	1.78E-04
2876	419416.2	3739554	1.82E-03	0.00E+00	1.82E-03	1.78E-04
2877	419423.3	3739537	1.83E-03	0.00E+00	1.83E-03	1.79E-04
2878	419426.8	3739528	1.83E-03	0.00E+00	1.83E-03	1.79E-04
2879	419430.4	3739519	1.84E-03	0.00E+00	1.84E-03	1.80E-04
2880	419433.9	3739511	1.84E-03	0.00E+00	1.84E-03	1.80E-04
2881	419437.4	3739502	1.84E-03	0.00E+00	1.84E-03	1.81E-04
2882	419441	3739493	1.85E-03	0.00E+00	1.85E-03	1.81E-04
2883	419444.5	3739485	1.86E-03	0.00E+00	1.86E-03	1.82E-04
2884	419448.1	3739476	1.86E-03	0.00E+00	1.86E-03	1.82E-04
2885	419451.6	3739467	1.87E-03	0.00E+00	1.87E-03	1.83E-04
2886	419455.1	3739459	1.87E-03	0.00E+00	1.87E-03	1.83E-04
2887	419458.7	3739450	1.88E-03	0.00E+00	1.88E-03	1.84E-04
2888	419462.2	3739441	1.88E-03	0.00E+00	1.88E-03	1.84E-04
2889	419465.8	3739433	1.89E-03	0.00E+00	1.89E-03	1.85E-04
2890	419469.3	3739424	1.89E-03	0.00E+00	1.89E-03	1.85E-04
2891	419481.5	3739412	1.92E-03	0.00E+00	1.92E-03	1.88E-04
2892	419490.1	3739408	1.95E-03	0.00E+00	1.95E-03	1.91E-04
2893	419498.8	3739405	1.98E-03	0.00E+00	1.98E-03	1.94E-04
2894	419688.7	3739326	2.62E-03	0.00E+00	2.62E-03	2.57E-04
2895	419697.3	3739322	2.64E-03	0.00E+00	2.64E-03	2.58E-04
2896	419705.9	3739318	2.66E-03	0.00E+00	2.66E-03	2.60E-04
2897	419714.5	3739315	2.67E-03	0.00E+00	2.67E-03	2.62E-04
2898	419723.2	3739311	2.69E-03	0.00E+00	2.69E-03	2.63E-04
2899	419731.8	3739308	2.70E-03	0.00E+00	2.70E-03	2.64E-04
2900	419740.4	3739304	2.71E-03	0.00E+00	2.71E-03	2.65E-04
2901	419749.1	3739301	2.71E-03	0.00E+00	2.71E-03	2.66E-04
2902	419757.7	3739297	2.72E-03	0.00E+00	2.72E-03	2.66E-04
2903	419766.3	3739293	2.72E-03	0.00E+00	2.72E-03	2.66E-04
2904	419792.2	3739283	2.71E-03	0.00E+00	2.71E-03	2.66E-04
2905	419800.9	3739279	2.71E-03	0.00E+00	2.71E-03	2.65E-04
2906	419809.5	3739275	2.70E-03	0.00E+00	2.70E-03	2.64E-04
2907	419818.1	3739272	2.69E-03	0.00E+00	2.69E-03	2.63E-04

2908	419826.8	3739268	2.68E-03	0.00E+00	2.68E-03	2.62E-04
2909	419835.4	3739265	2.66E-03	0.00E+00	2.66E-03	2.61E-04
2910	419844	3739261	2.65E-03	0.00E+00	2.65E-03	2.59E-04
2911	419852.7	3739257	2.63E-03	0.00E+00	2.63E-03	2.58E-04
2912	419861.3	3739254	2.61E-03	0.00E+00	2.61E-03	2.56E-04
2913	419869.9	3739250	2.59E-03	0.00E+00	2.59E-03	2.53E-04
2914	419878.6	3739247	2.57E-03	0.00E+00	2.57E-03	2.51E-04
2915	419887.2	3739243	2.54E-03	0.00E+00	2.54E-03	2.49E-04
2916	419895.8	3739240	2.51E-03	0.00E+00	2.51E-03	2.46E-04
2917	419904.4	3739236	2.49E-03	0.00E+00	2.49E-03	2.43E-04
2918	419913.1	3739232	2.46E-03	0.00E+00	2.46E-03	2.41E-04
2919	419921.7	3739229	2.43E-03	0.00E+00	2.43E-03	2.38E-04
2920	419930.3	3739225	2.40E-03	0.00E+00	2.40E-03	2.35E-04
2921	419939	3739222	2.36E-03	0.00E+00	2.36E-03	2.32E-04
2922	419947.6	3739218	2.33E-03	0.00E+00	2.33E-03	2.28E-04
2923	419956.2	3739214	2.30E-03	0.00E+00	2.30E-03	2.25E-04
2924	419964.9	3739211	2.27E-03	0.00E+00	2.27E-03	2.22E-04
2925	419973.5	3739207	2.23E-03	0.00E+00	2.23E-03	2.19E-04
2926	419982.1	3739204	2.20E-03	0.00E+00	2.20E-03	2.15E-04
2927	419990.8	3739200	2.16E-03	0.00E+00	2.16E-03	2.12E-04
2928	419999.4	3739196	2.13E-03	0.00E+00	2.13E-03	2.08E-04
2929	420008	3739193	2.09E-03	0.00E+00	2.09E-03	2.05E-04
2930	420016.7	3739189	2.06E-03	0.00E+00	2.06E-03	2.01E-04
2931	420025.3	3739186	2.02E-03	0.00E+00	2.02E-03	1.98E-04
2932	420033.9	3739182	1.98E-03	0.00E+00	1.98E-03	1.94E-04
2933	419295.1	3739752	1.57E-03	0.00E+00	1.57E-03	1.54E-04
2934	419298.7	3739743	1.58E-03	0.00E+00	1.58E-03	1.54E-04
2935	419302.3	3739735	1.58E-03	0.00E+00	1.58E-03	1.55E-04
2936	419305.8	3739726	1.59E-03	0.00E+00	1.59E-03	1.55E-04
2937	419309.4	3739717	1.59E-03	0.00E+00	1.59E-03	1.56E-04
2938	419312.9	3739709	1.59E-03	0.00E+00	1.59E-03	1.56E-04
2939	419316.5	3739700	1.60E-03	0.00E+00	1.60E-03	1.56E-04
2940	419320	3739691	1.60E-03	0.00E+00	1.60E-03	1.57E-04
2941	419323.6	3739682	1.60E-03	0.00E+00	1.60E-03	1.57E-04
2942	419327.1	3739674	1.61E-03	0.00E+00	1.61E-03	1.57E-04
2943	419330.7	3739665	1.61E-03	0.00E+00	1.61E-03	1.58E-04
2944	419334.3	3739656	1.62E-03	0.00E+00	1.62E-03	1.58E-04
2945	419337.8	3739648	1.62E-03	0.00E+00	1.62E-03	1.59E-04
2946	419341.4	3739639	1.63E-03	0.00E+00	1.63E-03	1.59E-04
2947	419352	3739613	1.64E-03	0.00E+00	1.64E-03	1.61E-04
2948	419355.6	3739604	1.65E-03	0.00E+00	1.65E-03	1.61E-04
2949	419359.2	3739596	1.65E-03	0.00E+00	1.65E-03	1.62E-04
2950	419362.7	3739587	1.66E-03	0.00E+00	1.66E-03	1.63E-04
2951	419366.3	3739578	1.66E-03	0.00E+00	1.66E-03	1.63E-04
2952	419369.8	3739570	1.67E-03	0.00E+00	1.67E-03	1.64E-04
2953	419373.4	3739561	1.68E-03	0.00E+00	1.68E-03	1.64E-04
2954	419384	3739535	1.69E-03	0.00E+00	1.69E-03	1.65E-04

2955	419387.6	3739526	1.69E-03	0.00E+00	1.69E-03	1.65E-04
2956	419391.2	3739517	1.69E-03	0.00E+00	1.69E-03	1.66E-04
2957	419394.7	3739509	1.70E-03	0.00E+00	1.70E-03	1.66E-04
2958	419398.3	3739500	1.70E-03	0.00E+00	1.70E-03	1.67E-04
2959	419401.8	3739491	1.71E-03	0.00E+00	1.71E-03	1.67E-04
2960	419405.4	3739483	1.71E-03	0.00E+00	1.71E-03	1.68E-04
2961	419408.9	3739474	1.72E-03	0.00E+00	1.72E-03	1.68E-04
2962	419412.5	3739465	1.72E-03	0.00E+00	1.72E-03	1.69E-04
2963	419416	3739457	1.73E-03	0.00E+00	1.73E-03	1.69E-04
2964	419419.6	3739448	1.73E-03	0.00E+00	1.73E-03	1.70E-04
2965	419423.2	3739439	1.74E-03	0.00E+00	1.74E-03	1.70E-04
2966	419426.7	3739431	1.74E-03	0.00E+00	1.74E-03	1.71E-04
2967	419430.3	3739422	1.75E-03	0.00E+00	1.75E-03	1.71E-04
2968	419433.8	3739413	1.75E-03	0.00E+00	1.75E-03	1.71E-04
2969	419437.4	3739405	1.75E-03	0.00E+00	1.75E-03	1.72E-04
2970	419440.9	3739396	1.75E-03	0.00E+00	1.75E-03	1.72E-04
2971	419687.1	3739286	2.47E-03	0.00E+00	2.47E-03	2.42E-04
2972	419695.8	3739283	2.49E-03	0.00E+00	2.49E-03	2.44E-04
2973	419704.5	3739279	2.50E-03	0.00E+00	2.50E-03	2.45E-04
2974	419713.1	3739275	2.51E-03	0.00E+00	2.51E-03	2.46E-04
2975	419721.8	3739272	2.52E-03	0.00E+00	2.52E-03	2.47E-04
2976	419730.5	3739268	2.53E-03	0.00E+00	2.53E-03	2.48E-04
2977	419739.1	3739265	2.53E-03	0.00E+00	2.53E-03	2.48E-04
2978	419747.8	3739261	2.54E-03	0.00E+00	2.54E-03	2.48E-04
2979	419756.5	3739257	2.54E-03	0.00E+00	2.54E-03	2.48E-04
2980	419765.1	3739254	2.54E-03	0.00E+00	2.54E-03	2.48E-04
2981	419799.8	3739239	2.51E-03	0.00E+00	2.51E-03	2.46E-04
2982	419808.5	3739236	2.50E-03	0.00E+00	2.50E-03	2.45E-04
2983	419817.1	3739232	2.49E-03	0.00E+00	2.49E-03	2.44E-04
2984	419825.8	3739229	2.48E-03	0.00E+00	2.48E-03	2.43E-04
2985	419834.5	3739225	2.46E-03	0.00E+00	2.46E-03	2.41E-04
2986	419843.1	3739221	2.45E-03	0.00E+00	2.45E-03	2.39E-04
2987	419851.8	3739218	2.43E-03	0.00E+00	2.43E-03	2.38E-04
2988	419860.5	3739214	2.41E-03	0.00E+00	2.41E-03	2.36E-04
2989	419869.1	3739211	2.39E-03	0.00E+00	2.39E-03	2.34E-04
2990	419877.8	3739207	2.36E-03	0.00E+00	2.36E-03	2.31E-04
2991	419886.5	3739203	2.34E-03	0.00E+00	2.34E-03	2.29E-04
2992	419895.1	3739200	2.31E-03	0.00E+00	2.31E-03	2.27E-04
2993	419903.8	3739196	2.29E-03	0.00E+00	2.29E-03	2.24E-04
2994	419912.5	3739193	2.26E-03	0.00E+00	2.26E-03	2.21E-04
2995	419921.1	3739189	2.23E-03	0.00E+00	2.23E-03	2.19E-04
2996	419929.8	3739185	2.21E-03	0.00E+00	2.21E-03	2.16E-04
2997	419938.5	3739182	2.18E-03	0.00E+00	2.18E-03	2.13E-04
2998	419973.1	3739167	2.06E-03	0.00E+00	2.06E-03	2.01E-04
2999	419981.8	3739164	2.02E-03	0.00E+00	2.02E-03	1.98E-04
3000	419990.5	3739160	1.99E-03	0.00E+00	1.99E-03	1.95E-04
3001	419999.1	3739157	1.96E-03	0.00E+00	1.96E-03	1.92E-04

3002	420007.8	3739153	1.93E-03	0.00E+00	1.93E-03	1.89E-04
3003	420016.5	3739149	1.90E-03	0.00E+00	1.90E-03	1.86E-04
3004	420025.1	3739146	1.86E-03	0.00E+00	1.86E-03	1.82E-04
3005	420033.8	3739142	1.83E-03	0.00E+00	1.83E-03	1.79E-04
3006	420042.5	3739139	1.80E-03	0.00E+00	1.80E-03	1.76E-04
3007	420051.1	3739135	1.77E-03	0.00E+00	1.77E-03	1.73E-04
3008	420059.8	3739131	1.74E-03	0.00E+00	1.74E-03	1.70E-04
3009	419254.1	3739755	1.46E-03	0.00E+00	1.46E-03	1.43E-04
3010	419257.6	3739746	1.46E-03	0.00E+00	1.46E-03	1.43E-04
3011	419261.2	3739737	1.47E-03	0.00E+00	1.47E-03	1.44E-04
3012	419264.7	3739729	1.47E-03	0.00E+00	1.47E-03	1.44E-04
3013	419268.2	3739720	1.47E-03	0.00E+00	1.47E-03	1.44E-04
3014	419271.7	3739712	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3015	419275.3	3739703	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3016	419278.8	3739694	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3017	419282.3	3739686	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3018	419285.8	3739677	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3019	419289.3	3739669	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3020	419292.9	3739660	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3021	419296.4	3739651	1.50E-03	0.00E+00	1.50E-03	1.47E-04
3022	419299.9	3739643	1.50E-03	0.00E+00	1.50E-03	1.47E-04
3023	419303.4	3739634	1.51E-03	0.00E+00	1.51E-03	1.47E-04
3024	419307	3739626	1.51E-03	0.00E+00	1.51E-03	1.48E-04
3025	419310.5	3739617	1.51E-03	0.00E+00	1.51E-03	1.48E-04
3026	419314	3739608	1.52E-03	0.00E+00	1.52E-03	1.49E-04
3027	419317.5	3739600	1.53E-03	0.00E+00	1.53E-03	1.49E-04
3028	419331.6	3739565	1.54E-03	0.00E+00	1.54E-03	1.51E-04
3029	419335.1	3739557	1.55E-03	0.00E+00	1.55E-03	1.52E-04
3030	419342.2	3739540	1.56E-03	0.00E+00	1.56E-03	1.53E-04
3031	419345.7	3739531	1.56E-03	0.00E+00	1.56E-03	1.53E-04
3032	419349.2	3739522	1.57E-03	0.00E+00	1.57E-03	1.53E-04
3033	419352.7	3739514	1.57E-03	0.00E+00	1.57E-03	1.54E-04
3034	419356.3	3739505	1.57E-03	0.00E+00	1.57E-03	1.54E-04
3035	419359.8	3739497	1.58E-03	0.00E+00	1.58E-03	1.54E-04
3036	419363.3	3739488	1.58E-03	0.00E+00	1.58E-03	1.55E-04
3037	419366.8	3739479	1.58E-03	0.00E+00	1.58E-03	1.55E-04
3038	419370.3	3739471	1.59E-03	0.00E+00	1.59E-03	1.55E-04
3039	419373.9	3739462	1.59E-03	0.00E+00	1.59E-03	1.56E-04
3040	419377.4	3739454	1.60E-03	0.00E+00	1.60E-03	1.56E-04
3041	419380.9	3739445	1.60E-03	0.00E+00	1.60E-03	1.57E-04
3042	419384.4	3739436	1.61E-03	0.00E+00	1.61E-03	1.57E-04
3043	419388	3739428	1.61E-03	0.00E+00	1.61E-03	1.58E-04
3044	419391.5	3739419	1.62E-03	0.00E+00	1.62E-03	1.58E-04
3045	419395	3739411	1.62E-03	0.00E+00	1.62E-03	1.59E-04
3046	419398.5	3739402	1.63E-03	0.00E+00	1.63E-03	1.59E-04
3047	419402	3739393	1.63E-03	0.00E+00	1.63E-03	1.60E-04
3048	419716.5	3739234	2.37E-03	0.00E+00	2.37E-03	2.32E-04

3049	419725.1	3739230	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3050	419733.7	3739227	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3051	419742.3	3739223	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3052	419750.9	3739220	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3053	419759.5	3739216	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3054	419793.8	3739202	2.34E-03	0.00E+00	2.34E-03	2.29E-04
3055	419802.4	3739198	2.33E-03	0.00E+00	2.33E-03	2.28E-04
3056	419811	3739195	2.32E-03	0.00E+00	2.32E-03	2.27E-04
3057	419819.5	3739191	2.31E-03	0.00E+00	2.31E-03	2.26E-04
3058	419828.1	3739188	2.29E-03	0.00E+00	2.29E-03	2.24E-04
3059	419836.7	3739184	2.28E-03	0.00E+00	2.28E-03	2.23E-04
3060	419879.6	3739166	2.17E-03	0.00E+00	2.17E-03	2.13E-04
3061	419888.2	3739163	2.15E-03	0.00E+00	2.15E-03	2.11E-04
3062	419896.8	3739159	2.13E-03	0.00E+00	2.13E-03	2.09E-04
3063	419905.4	3739156	2.11E-03	0.00E+00	2.11E-03	2.06E-04
3064	419914	3739152	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3065	419922.5	3739148	2.06E-03	0.00E+00	2.06E-03	2.02E-04
3066	419931.1	3739145	2.03E-03	0.00E+00	2.03E-03	1.99E-04
3067	419939.7	3739141	2.01E-03	0.00E+00	2.01E-03	1.96E-04
3068	419948.3	3739138	1.98E-03	0.00E+00	1.98E-03	1.94E-04
3069	419956.9	3739134	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3070	419965.5	3739131	1.92E-03	0.00E+00	1.92E-03	1.88E-04
3071	419974	3739127	1.89E-03	0.00E+00	1.89E-03	1.85E-04
3072	419982.6	3739123	1.87E-03	0.00E+00	1.87E-03	1.83E-04
3073	419991.2	3739120	1.84E-03	0.00E+00	1.84E-03	1.80E-04
3074	419999.8	3739116	1.81E-03	0.00E+00	1.81E-03	1.77E-04
3075	420008.4	3739113	1.78E-03	0.00E+00	1.78E-03	1.74E-04
3076	420017	3739109	1.75E-03	0.00E+00	1.75E-03	1.71E-04
3077	420025.5	3739106	1.72E-03	0.00E+00	1.72E-03	1.69E-04
3078	420034.1	3739102	1.69E-03	0.00E+00	1.69E-03	1.66E-04
3079	420042.7	3739098	1.67E-03	0.00E+00	1.67E-03	1.63E-04
3080	420051.3	3739095	1.64E-03	0.00E+00	1.64E-03	1.60E-04
3081	420059.9	3739091	1.61E-03	0.00E+00	1.61E-03	1.58E-04
3082	419214.5	3739754	1.36E-03	0.00E+00	1.36E-03	1.33E-04
3083	419218.1	3739745	1.36E-03	0.00E+00	1.36E-03	1.33E-04
3084	419221.6	3739737	1.37E-03	0.00E+00	1.37E-03	1.34E-04
3085	419225.1	3739728	1.37E-03	0.00E+00	1.37E-03	1.34E-04
3086	419228.7	3739719	1.37E-03	0.00E+00	1.37E-03	1.34E-04
3087	419232.2	3739711	1.38E-03	0.00E+00	1.38E-03	1.35E-04
3088	419235.7	3739702	1.38E-03	0.00E+00	1.38E-03	1.35E-04
3089	419239.3	3739693	1.38E-03	0.00E+00	1.38E-03	1.35E-04
3090	419242.8	3739685	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3091	419246.4	3739676	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3092	419249.9	3739668	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3093	419253.4	3739659	1.39E-03	0.00E+00	1.39E-03	1.37E-04
3094	419257	3739650	1.40E-03	0.00E+00	1.40E-03	1.37E-04
3095	419260.5	3739642	1.40E-03	0.00E+00	1.40E-03	1.37E-04

3096	419264	3739633	1.41E-03	0.00E+00	1.41E-03	1.38E-04
3097	419267.6	3739624	1.41E-03	0.00E+00	1.41E-03	1.38E-04
3098	419271.1	3739616	1.41E-03	0.00E+00	1.41E-03	1.38E-04
3099	419274.6	3739607	1.42E-03	0.00E+00	1.42E-03	1.39E-04
3100	419278.2	3739598	1.42E-03	0.00E+00	1.42E-03	1.39E-04
3101	419281.7	3739590	1.42E-03	0.00E+00	1.42E-03	1.39E-04
3102	419285.2	3739581	1.43E-03	0.00E+00	1.43E-03	1.40E-04
3103	419288.8	3739573	1.43E-03	0.00E+00	1.43E-03	1.40E-04
3104	419292.3	3739564	1.43E-03	0.00E+00	1.43E-03	1.40E-04
3105	419302.9	3739538	1.45E-03	0.00E+00	1.45E-03	1.42E-04
3106	419306.5	3739529	1.45E-03	0.00E+00	1.45E-03	1.42E-04
3107	419310	3739521	1.45E-03	0.00E+00	1.45E-03	1.42E-04
3108	419313.5	3739512	1.46E-03	0.00E+00	1.46E-03	1.43E-04
3109	419317.1	3739503	1.46E-03	0.00E+00	1.46E-03	1.43E-04
3110	419320.6	3739495	1.46E-03	0.00E+00	1.46E-03	1.43E-04
3111	419324.1	3739486	1.47E-03	0.00E+00	1.47E-03	1.44E-04
3112	419327.7	3739478	1.47E-03	0.00E+00	1.47E-03	1.44E-04
3113	419331.2	3739469	1.48E-03	0.00E+00	1.48E-03	1.44E-04
3114	419334.7	3739460	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3115	419338.3	3739452	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3116	419341.8	3739443	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3117	419345.3	3739434	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3118	419348.9	3739426	1.50E-03	0.00E+00	1.50E-03	1.46E-04
3119	419352.4	3739417	1.50E-03	0.00E+00	1.50E-03	1.47E-04
3120	419355.9	3739408	1.50E-03	0.00E+00	1.50E-03	1.47E-04
3121	419359.5	3739400	1.51E-03	0.00E+00	1.51E-03	1.48E-04
3122	419363	3739391	1.51E-03	0.00E+00	1.51E-03	1.48E-04
3123	419715.2	3739195	2.22E-03	0.00E+00	2.22E-03	2.18E-04
3124	419723.8	3739191	2.22E-03	0.00E+00	2.22E-03	2.18E-04
3125	419732.4	3739187	2.22E-03	0.00E+00	2.22E-03	2.18E-04
3126	419801.4	3739159	2.17E-03	0.00E+00	2.17E-03	2.13E-04
3127	419810	3739155	2.16E-03	0.00E+00	2.16E-03	2.11E-04
3128	419818.6	3739152	2.15E-03	0.00E+00	2.15E-03	2.10E-04
3129	419827.2	3739148	2.13E-03	0.00E+00	2.13E-03	2.09E-04
3130	419835.8	3739144	2.11E-03	0.00E+00	2.11E-03	2.07E-04
3131	419844.4	3739141	2.10E-03	0.00E+00	2.10E-03	2.05E-04
3132	419853	3739137	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3133	419861.7	3739134	2.06E-03	0.00E+00	2.06E-03	2.02E-04
3134	419870.3	3739130	2.04E-03	0.00E+00	2.04E-03	2.00E-04
3135	419878.9	3739127	2.02E-03	0.00E+00	2.02E-03	1.98E-04
3136	419887.5	3739123	2.00E-03	0.00E+00	2.00E-03	1.96E-04
3137	419896.1	3739119	1.98E-03	0.00E+00	1.98E-03	1.93E-04
3138	419904.7	3739116	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3139	419913.4	3739112	1.93E-03	0.00E+00	1.93E-03	1.89E-04
3140	419922	3739109	1.91E-03	0.00E+00	1.91E-03	1.87E-04
3141	419930.6	3739105	1.88E-03	0.00E+00	1.88E-03	1.84E-04
3142	419939.2	3739101	1.86E-03	0.00E+00	1.86E-03	1.82E-04

3143	419947.8	3739098	1.83E-03	0.00E+00	1.83E-03	1.79E-04
3144	419956.4	3739094	1.81E-03	0.00E+00	1.81E-03	1.77E-04
3145	419965.1	3739091	1.78E-03	0.00E+00	1.78E-03	1.75E-04
3146	419973.7	3739087	1.76E-03	0.00E+00	1.76E-03	1.72E-04
3147	419982.3	3739084	1.73E-03	0.00E+00	1.73E-03	1.69E-04
3148	419990.9	3739080	1.70E-03	0.00E+00	1.70E-03	1.67E-04
3149	419999.5	3739076	1.68E-03	0.00E+00	1.68E-03	1.64E-04
3150	420008.1	3739073	1.65E-03	0.00E+00	1.65E-03	1.62E-04
3151	420016.8	3739069	1.63E-03	0.00E+00	1.63E-03	1.59E-04
3152	420025.4	3739066	1.60E-03	0.00E+00	1.60E-03	1.57E-04
3153	420034	3739062	1.57E-03	0.00E+00	1.57E-03	1.54E-04
3154	420042.6	3739058	1.55E-03	0.00E+00	1.55E-03	1.52E-04
3155	420051.2	3739055	1.52E-03	0.00E+00	1.52E-03	1.49E-04
3156	420059.8	3739051	1.50E-03	0.00E+00	1.50E-03	1.47E-04
3157	419174.9	3739753	1.27E-03	0.00E+00	1.27E-03	1.24E-04
3158	419178.5	3739745	1.27E-03	0.00E+00	1.27E-03	1.25E-04
3159	419182	3739736	1.28E-03	0.00E+00	1.28E-03	1.25E-04
3160	419185.6	3739727	1.28E-03	0.00E+00	1.28E-03	1.25E-04
3161	419189.1	3739719	1.28E-03	0.00E+00	1.28E-03	1.26E-04
3162	419192.7	3739710	1.29E-03	0.00E+00	1.29E-03	1.26E-04
3163	419196.2	3739701	1.29E-03	0.00E+00	1.29E-03	1.26E-04
3164	419199.7	3739693	1.29E-03	0.00E+00	1.29E-03	1.26E-04
3165	419203.3	3739684	1.29E-03	0.00E+00	1.29E-03	1.27E-04
3166	419206.8	3739675	1.30E-03	0.00E+00	1.30E-03	1.27E-04
3167	419210.4	3739667	1.30E-03	0.00E+00	1.30E-03	1.27E-04
3168	419213.9	3739658	1.30E-03	0.00E+00	1.30E-03	1.28E-04
3169	419217.5	3739649	1.31E-03	0.00E+00	1.31E-03	1.28E-04
3170	419221	3739641	1.31E-03	0.00E+00	1.31E-03	1.28E-04
3171	419224.6	3739632	1.31E-03	0.00E+00	1.31E-03	1.29E-04
3172	419228.1	3739623	1.32E-03	0.00E+00	1.32E-03	1.29E-04
3173	419231.7	3739615	1.32E-03	0.00E+00	1.32E-03	1.29E-04
3174	419235.2	3739606	1.32E-03	0.00E+00	1.32E-03	1.30E-04
3175	419238.8	3739597	1.33E-03	0.00E+00	1.33E-03	1.30E-04
3176	419242.3	3739589	1.33E-03	0.00E+00	1.33E-03	1.30E-04
3177	419245.9	3739580	1.33E-03	0.00E+00	1.33E-03	1.31E-04
3178	419249.4	3739571	1.34E-03	0.00E+00	1.34E-03	1.31E-04
3179	419253	3739563	1.34E-03	0.00E+00	1.34E-03	1.31E-04
3180	419263.6	3739537	1.35E-03	0.00E+00	1.35E-03	1.32E-04
3181	419267.2	3739528	1.35E-03	0.00E+00	1.35E-03	1.32E-04
3182	419270.7	3739519	1.35E-03	0.00E+00	1.35E-03	1.33E-04
3183	419274.3	3739511	1.36E-03	0.00E+00	1.36E-03	1.33E-04
3184	419277.8	3739502	1.36E-03	0.00E+00	1.36E-03	1.33E-04
3185	419281.4	3739493	1.37E-03	0.00E+00	1.37E-03	1.34E-04
3186	419284.9	3739485	1.37E-03	0.00E+00	1.37E-03	1.34E-04
3187	419288.4	3739476	1.37E-03	0.00E+00	1.37E-03	1.34E-04
3188	419292	3739467	1.37E-03	0.00E+00	1.37E-03	1.35E-04
3189	419295.5	3739459	1.38E-03	0.00E+00	1.38E-03	1.35E-04

3190	419299.1	3739450	1.38E-03	0.00E+00	1.38E-03	1.35E-04
3191	419302.6	3739441	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3192	419306.2	3739433	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3193	419309.7	3739424	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3194	419313.3	3739415	1.40E-03	0.00E+00	1.40E-03	1.37E-04
3195	419316.8	3739407	1.40E-03	0.00E+00	1.40E-03	1.37E-04
3196	419320.4	3739398	1.40E-03	0.00E+00	1.40E-03	1.38E-04
3197	419323.9	3739389	1.41E-03	0.00E+00	1.41E-03	1.38E-04
3198	419679.3	3739170	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3199	419688	3739166	2.09E-03	0.00E+00	2.09E-03	2.04E-04
3200	419696.6	3739162	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3201	419705.3	3739159	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3202	419713.9	3739155	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3203	419722.6	3739152	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3204	419731.2	3739148	2.09E-03	0.00E+00	2.09E-03	2.04E-04
3205	419739.9	3739144	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3206	419748.5	3739141	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3207	419757.2	3739137	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3208	419791.8	3739123	2.04E-03	0.00E+00	2.04E-03	1.99E-04
3209	419800.4	3739119	2.03E-03	0.00E+00	2.03E-03	1.98E-04
3210	419809	3739116	2.01E-03	0.00E+00	2.01E-03	1.97E-04
3211	419817.7	3739112	2.00E-03	0.00E+00	2.00E-03	1.96E-04
3212	419826.3	3739108	1.98E-03	0.00E+00	1.98E-03	1.94E-04
3213	419835	3739105	1.97E-03	0.00E+00	1.97E-03	1.93E-04
3214	419843.6	3739101	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3215	419852.3	3739098	1.93E-03	0.00E+00	1.93E-03	1.89E-04
3216	419860.9	3739094	1.92E-03	0.00E+00	1.92E-03	1.88E-04
3217	419869.6	3739090	1.90E-03	0.00E+00	1.90E-03	1.86E-04
3218	419878.2	3739087	1.88E-03	0.00E+00	1.88E-03	1.84E-04
3219	419886.9	3739083	1.86E-03	0.00E+00	1.86E-03	1.82E-04
3220	419895.5	3739080	1.84E-03	0.00E+00	1.84E-03	1.80E-04
3221	419904.2	3739076	1.82E-03	0.00E+00	1.82E-03	1.78E-04
3222	419912.8	3739072	1.79E-03	0.00E+00	1.79E-03	1.76E-04
3223	419921.5	3739069	1.77E-03	0.00E+00	1.77E-03	1.73E-04
3224	419930.1	3739065	1.75E-03	0.00E+00	1.75E-03	1.71E-04
3225	419938.8	3739062	1.72E-03	0.00E+00	1.72E-03	1.69E-04
3226	419947.4	3739058	1.70E-03	0.00E+00	1.70E-03	1.67E-04
3227	419956	3739054	1.68E-03	0.00E+00	1.68E-03	1.64E-04
3228	419964.7	3739051	1.65E-03	0.00E+00	1.65E-03	1.62E-04
3229	419973.3	3739047	1.63E-03	0.00E+00	1.63E-03	1.60E-04
3230	419982	3739044	1.61E-03	0.00E+00	1.61E-03	1.57E-04
3231	419990.6	3739040	1.58E-03	0.00E+00	1.58E-03	1.55E-04
3232	419999.3	3739036	1.56E-03	0.00E+00	1.56E-03	1.53E-04
3233	420007.9	3739033	1.54E-03	0.00E+00	1.54E-03	1.51E-04
3234	420016.6	3739029	1.51E-03	0.00E+00	1.51E-03	1.48E-04
3235	420025.2	3739026	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3236	420033.9	3739022	1.47E-03	0.00E+00	1.47E-03	1.44E-04

3237	420042.5	3739019	1.44E-03	0.00E+00	1.44E-03	1.41E-04
3238	420051.2	3739015	1.42E-03	0.00E+00	1.42E-03	1.39E-04
3239	420059.8	3739011	1.40E-03	0.00E+00	1.40E-03	1.37E-04
3240	419622.1	3740849	1.65E-03	0.00E+00	1.65E-03	1.61E-04
3241	419612.3	3740847	1.64E-03	0.00E+00	1.64E-03	1.60E-04
3242	419602.6	3740846	1.62E-03	0.00E+00	1.62E-03	1.59E-04
3243	419592.8	3740845	1.61E-03	0.00E+00	1.61E-03	1.58E-04
3244	419583	3740843	1.60E-03	0.00E+00	1.60E-03	1.57E-04
3245	419573.3	3740842	1.59E-03	0.00E+00	1.59E-03	1.56E-04
3246	419559	3740832	1.60E-03	0.00E+00	1.60E-03	1.56E-04
3247	419554.4	3740823	1.61E-03	0.00E+00	1.61E-03	1.58E-04
3248	419628.1	3740885	1.57E-03	0.00E+00	1.57E-03	1.53E-04
3249	419618.4	3740884	1.55E-03	0.00E+00	1.55E-03	1.52E-04
3250	419608.6	3740883	1.54E-03	0.00E+00	1.54E-03	1.51E-04
3251	419598.9	3740881	1.53E-03	0.00E+00	1.53E-03	1.50E-04
3252	419589.2	3740880	1.52E-03	0.00E+00	1.52E-03	1.49E-04
3253	419579.5	3740879	1.51E-03	0.00E+00	1.51E-03	1.48E-04
3254	419569.7	3740877	1.50E-03	0.00E+00	1.50E-03	1.47E-04
3255	419560	3740876	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3256	419550.3	3740875	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3257	419536	3740865	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3258	419531.4	3740856	1.50E-03	0.00E+00	1.50E-03	1.47E-04
3259	419526.9	3740847	1.51E-03	0.00E+00	1.51E-03	1.48E-04
3260	419522.3	3740839	1.53E-03	0.00E+00	1.53E-03	1.50E-04
3261	419517.8	3740830	1.54E-03	0.00E+00	1.54E-03	1.51E-04
3262	419513.2	3740821	1.56E-03	0.00E+00	1.56E-03	1.53E-04
3263	419625.4	3740921	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3264	419615.6	3740920	1.47E-03	0.00E+00	1.47E-03	1.44E-04
3265	419605.8	3740918	1.46E-03	0.00E+00	1.46E-03	1.43E-04
3266	419596	3740917	1.45E-03	0.00E+00	1.45E-03	1.42E-04
3267	419586.2	3740916	1.44E-03	0.00E+00	1.44E-03	1.41E-04
3268	419576.4	3740914	1.43E-03	0.00E+00	1.43E-03	1.40E-04
3269	419566.6	3740913	1.42E-03	0.00E+00	1.42E-03	1.39E-04
3270	419556.8	3740912	1.41E-03	0.00E+00	1.41E-03	1.38E-04
3271	419547	3740910	1.40E-03	0.00E+00	1.40E-03	1.38E-04
3272	419537.2	3740909	1.40E-03	0.00E+00	1.40E-03	1.37E-04
3273	419527.4	3740908	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3274	419513	3740897	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3275	419508.4	3740889	1.40E-03	0.00E+00	1.40E-03	1.37E-04
3276	419503.8	3740880	1.41E-03	0.00E+00	1.41E-03	1.39E-04
3277	419499.2	3740871	1.43E-03	0.00E+00	1.43E-03	1.40E-04
3278	419494.6	3740862	1.44E-03	0.00E+00	1.44E-03	1.41E-04
3279	419490	3740854	1.45E-03	0.00E+00	1.45E-03	1.42E-04
3280	419485.4	3740845	1.47E-03	0.00E+00	1.47E-03	1.44E-04
3281	419480.9	3740836	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3282	419476.3	3740827	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3283	419631.5	3740958	1.42E-03	0.00E+00	1.42E-03	1.39E-04

3284	419621.7	3740956	1.41E-03	0.00E+00	1.41E-03	1.38E-04
3285	419611.9	3740955	1.40E-03	0.00E+00	1.40E-03	1.37E-04
3286	419602.1	3740954	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3287	419592.4	3740952	1.38E-03	0.00E+00	1.38E-03	1.35E-04
3288	419582.6	3740951	1.37E-03	0.00E+00	1.37E-03	1.34E-04
3289	419572.8	3740950	1.36E-03	0.00E+00	1.36E-03	1.33E-04
3290	419563	3740948	1.35E-03	0.00E+00	1.35E-03	1.32E-04
3291	419553.2	3740947	1.34E-03	0.00E+00	1.34E-03	1.32E-04
3292	419543.5	3740946	1.34E-03	0.00E+00	1.34E-03	1.31E-04
3293	419533.7	3740944	1.33E-03	0.00E+00	1.33E-03	1.30E-04
3294	419523.9	3740943	1.32E-03	0.00E+00	1.32E-03	1.29E-04
3295	419514.1	3740942	1.31E-03	0.00E+00	1.31E-03	1.29E-04
3296	419504.4	3740940	1.30E-03	0.00E+00	1.30E-03	1.28E-04
3297	419490	3740930	1.31E-03	0.00E+00	1.31E-03	1.28E-04
3298	419485.4	3740922	1.32E-03	0.00E+00	1.32E-03	1.29E-04
3299	419480.9	3740913	1.33E-03	0.00E+00	1.33E-03	1.30E-04
3300	419476.3	3740904	1.34E-03	0.00E+00	1.34E-03	1.31E-04
3301	419471.7	3740895	1.35E-03	0.00E+00	1.35E-03	1.32E-04
3302	419467.1	3740887	1.36E-03	0.00E+00	1.36E-03	1.33E-04
3303	419462.6	3740878	1.37E-03	0.00E+00	1.37E-03	1.34E-04
3304	419458	3740869	1.39E-03	0.00E+00	1.39E-03	1.36E-04
3305	419453.4	3740860	1.40E-03	0.00E+00	1.40E-03	1.37E-04
3306	419448.8	3740852	1.41E-03	0.00E+00	1.41E-03	1.38E-04
3307	419444.3	3740843	1.42E-03	0.00E+00	1.42E-03	1.39E-04
3308	419439.7	3740834	1.43E-03	0.00E+00	1.43E-03	1.40E-04
3309	419435.1	3740825	1.45E-03	0.00E+00	1.45E-03	1.41E-04
3310	420841.4	3740093	4.13E-03	0.00E+00	4.13E-03	4.04E-04
3311	420836.1	3740110	4.36E-03	0.00E+00	4.36E-03	4.27E-04
3312	420830.8	3740127	4.59E-03	0.00E+00	4.59E-03	4.49E-04
3313	420825.5	3740143	4.83E-03	0.00E+00	4.83E-03	4.73E-04
3314	420886.6	3740076	3.51E-03	0.00E+00	3.51E-03	3.43E-04
3315	420883.9	3740084	3.61E-03	0.00E+00	3.61E-03	3.54E-04
3316	420878.6	3740102	3.83E-03	0.00E+00	3.83E-03	3.75E-04
3317	420875.9	3740110	3.94E-03	0.00E+00	3.94E-03	3.86E-04
3318	420870.5	3740127	4.17E-03	0.00E+00	4.17E-03	4.08E-04
3319	420865.1	3740144	4.39E-03	0.00E+00	4.39E-03	4.30E-04
3320	420859.8	3740162	4.61E-03	0.00E+00	4.61E-03	4.51E-04
3321	420857.1	3740170	4.73E-03	0.00E+00	4.73E-03	4.63E-04
3322	420851.7	3740187	4.99E-03	0.00E+00	4.99E-03	4.89E-04
3323	420846.3	3740204	5.23E-03	0.00E+00	5.23E-03	5.12E-04
3324	420841	3740222	5.47E-03	0.00E+00	5.47E-03	5.36E-04
3325	420835.6	3740239	5.70E-03	0.00E+00	5.70E-03	5.58E-04
3326	420830.2	3740256	5.91E-03	0.00E+00	5.91E-03	5.79E-04
3327	420827.5	3740264	6.02E-03	0.00E+00	6.02E-03	5.89E-04
3328	420926.6	3740076	3.18E-03	0.00E+00	3.18E-03	3.12E-04
3329	420924	3740084	3.27E-03	0.00E+00	3.27E-03	3.20E-04
3330	420918.6	3740101	3.46E-03	0.00E+00	3.46E-03	3.39E-04

3331	420913.3	3740118	3.66E-03	0.00E+00	3.66E-03	3.58E-04
3332	420908	3740135	3.85E-03	0.00E+00	3.85E-03	3.77E-04
3333	420902.6	3740152	4.05E-03	0.00E+00	4.05E-03	3.97E-04
3334	420897.3	3740169	4.25E-03	0.00E+00	4.25E-03	4.16E-04
3335	420891.9	3740186	4.45E-03	0.00E+00	4.45E-03	4.35E-04
3336	420886.6	3740203	4.65E-03	0.00E+00	4.65E-03	4.56E-04
3337	420881.3	3740220	4.86E-03	0.00E+00	4.86E-03	4.76E-04
3338	420875.9	3740237	5.08E-03	0.00E+00	5.08E-03	4.98E-04
3339	420870.6	3740254	5.29E-03	0.00E+00	5.29E-03	5.18E-04
3340	420865.3	3740272	5.47E-03	0.00E+00	5.47E-03	5.36E-04
3341	420859.9	3740289	5.64E-03	0.00E+00	5.64E-03	5.52E-04
3342	420854.6	3740306	5.79E-03	0.00E+00	5.79E-03	5.67E-04
3343	420849.2	3740323	5.92E-03	0.00E+00	5.92E-03	5.80E-04
3344	420846.6	3740331	5.99E-03	0.00E+00	5.99E-03	5.86E-04
3345	420841.2	3740348	6.10E-03	0.00E+00	6.10E-03	5.97E-04
3346	420835.9	3740365	6.19E-03	0.00E+00	6.19E-03	6.06E-04
3347	420830.6	3740382	6.27E-03	0.00E+00	6.27E-03	6.14E-04
3348	420966.7	3740075	2.89E-03	0.00E+00	2.89E-03	2.83E-04
3349	420961.3	3740092	3.03E-03	0.00E+00	3.03E-03	2.97E-04
3350	420956	3740109	3.20E-03	0.00E+00	3.20E-03	3.13E-04
3351	420950.7	3740126	3.38E-03	0.00E+00	3.38E-03	3.31E-04
3352	420945.4	3740143	3.56E-03	0.00E+00	3.56E-03	3.49E-04
3353	420940.1	3740160	3.74E-03	0.00E+00	3.74E-03	3.67E-04
3354	420934.8	3740177	3.92E-03	0.00E+00	3.92E-03	3.84E-04
3355	420929.5	3740194	4.09E-03	0.00E+00	4.09E-03	4.01E-04
3356	420924.2	3740211	4.26E-03	0.00E+00	4.26E-03	4.18E-04
3357	420918.9	3740228	4.44E-03	0.00E+00	4.44E-03	4.35E-04
3358	420913.6	3740245	4.63E-03	0.00E+00	4.63E-03	4.53E-04
3359	420908.2	3740262	4.81E-03	0.00E+00	4.81E-03	4.71E-04
3360	420902.9	3740279	4.98E-03	0.00E+00	4.98E-03	4.88E-04
3361	420897.6	3740296	5.15E-03	0.00E+00	5.15E-03	5.05E-04
3362	420892.3	3740313	5.30E-03	0.00E+00	5.30E-03	5.19E-04
3363	420887	3740330	5.42E-03	0.00E+00	5.42E-03	5.31E-04
3364	420881.7	3740346	5.53E-03	0.00E+00	5.53E-03	5.41E-04
3365	420876.4	3740363	5.62E-03	0.00E+00	5.62E-03	5.51E-04
3366	420871.1	3740380	5.70E-03	0.00E+00	5.70E-03	5.58E-04
3367	420865.8	3740397	5.76E-03	0.00E+00	5.76E-03	5.64E-04
3368	420860.5	3740414	5.81E-03	0.00E+00	5.81E-03	5.69E-04
3369	420855.2	3740431	5.85E-03	0.00E+00	5.85E-03	5.73E-04
3370	420849.8	3740448	5.87E-03	0.00E+00	5.87E-03	5.75E-04
3371	420844.5	3740465	5.87E-03	0.00E+00	5.87E-03	5.75E-04
3372	420839.2	3740482	5.85E-03	0.00E+00	5.85E-03	5.73E-04
3373	420833.9	3740499	5.83E-03	0.00E+00	5.83E-03	5.71E-04
3374	420969.3	3740058	2.77E-03	0.00E+00	2.77E-03	2.71E-04
3375	420969.2	3740049	2.71E-03	0.00E+00	2.71E-03	2.66E-04
3376	420969.2	3740040	2.66E-03	0.00E+00	2.66E-03	2.60E-04
3377	420969.1	3740031	2.61E-03	0.00E+00	2.61E-03	2.55E-04

3378	420969.1	3740022	2.55E-03	0.00E+00	2.55E-03	2.50E-04
3379	420969	3740013	2.50E-03	0.00E+00	2.50E-03	2.45E-04
3380	420969	3740004	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3381	421006.7	3740075	2.66E-03	0.00E+00	2.66E-03	2.60E-04
3382	421001.4	3740092	2.78E-03	0.00E+00	2.78E-03	2.72E-04
3383	420996.1	3740109	2.92E-03	0.00E+00	2.92E-03	2.86E-04
3384	420990.8	3740126	3.06E-03	0.00E+00	3.06E-03	3.00E-04
3385	420985.5	3740143	3.22E-03	0.00E+00	3.22E-03	3.16E-04
3386	420980.2	3740159	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3387	420975	3740176	3.55E-03	0.00E+00	3.55E-03	3.48E-04
3388	420969.7	3740193	3.71E-03	0.00E+00	3.71E-03	3.63E-04
3389	420964.4	3740210	3.86E-03	0.00E+00	3.86E-03	3.78E-04
3390	420959.1	3740227	4.02E-03	0.00E+00	4.02E-03	3.93E-04
3391	420953.8	3740244	4.18E-03	0.00E+00	4.18E-03	4.09E-04
3392	420948.5	3740261	4.33E-03	0.00E+00	4.33E-03	4.24E-04
3393	420943.3	3740277	4.49E-03	0.00E+00	4.49E-03	4.39E-04
3394	420938	3740294	4.65E-03	0.00E+00	4.65E-03	4.55E-04
3395	420932.7	3740311	4.79E-03	0.00E+00	4.79E-03	4.69E-04
3396	420927.4	3740328	4.91E-03	0.00E+00	4.91E-03	4.81E-04
3397	420922.1	3740345	5.02E-03	0.00E+00	5.02E-03	4.92E-04
3398	420916.8	3740362	5.12E-03	0.00E+00	5.12E-03	5.01E-04
3399	420911.6	3740379	5.20E-03	0.00E+00	5.20E-03	5.09E-04
3400	420906.3	3740396	5.27E-03	0.00E+00	5.27E-03	5.16E-04
3401	420901	3740412	5.32E-03	0.00E+00	5.32E-03	5.21E-04
3402	420895.7	3740429	5.36E-03	0.00E+00	5.36E-03	5.25E-04
3403	420890.4	3740446	5.40E-03	0.00E+00	5.40E-03	5.28E-04
3404	420885.1	3740463	5.42E-03	0.00E+00	5.42E-03	5.30E-04
3405	420879.8	3740480	5.42E-03	0.00E+00	5.42E-03	5.31E-04
3406	420874.6	3740497	5.41E-03	0.00E+00	5.41E-03	5.30E-04
3407	420869.3	3740514	5.39E-03	0.00E+00	5.39E-03	5.28E-04
3408	420857	3740536	5.42E-03	0.00E+00	5.42E-03	5.31E-04
3409	420842.9	3740546	5.51E-03	0.00E+00	5.51E-03	5.39E-04
3410	421009.3	3740058	2.55E-03	0.00E+00	2.55E-03	2.50E-04
3411	421009.2	3740049	2.50E-03	0.00E+00	2.50E-03	2.45E-04
3412	421009.2	3740040	2.45E-03	0.00E+00	2.45E-03	2.40E-04
3413	421009.1	3740031	2.40E-03	0.00E+00	2.40E-03	2.35E-04
3414	421009.1	3740022	2.36E-03	0.00E+00	2.36E-03	2.31E-04
3415	421009	3740013	2.31E-03	0.00E+00	2.31E-03	2.26E-04
3416	421009	3740004	2.26E-03	0.00E+00	2.26E-03	2.21E-04
3417	421046.6	3740075	2.47E-03	0.00E+00	2.47E-03	2.42E-04
3418	421041.3	3740092	2.58E-03	0.00E+00	2.58E-03	2.52E-04
3419	421035.9	3740109	2.70E-03	0.00E+00	2.70E-03	2.64E-04
3420	421030.6	3740126	2.84E-03	0.00E+00	2.84E-03	2.78E-04
3421	421025.2	3740143	2.97E-03	0.00E+00	2.97E-03	2.90E-04
3422	421019.9	3740160	3.09E-03	0.00E+00	3.09E-03	3.03E-04
3423	421014.5	3740178	3.23E-03	0.00E+00	3.23E-03	3.16E-04
3424	421009.2	3740195	3.37E-03	0.00E+00	3.37E-03	3.30E-04

3425	421003.8	3740212	3.49E-03	0.00E+00	3.49E-03	3.42E-04
3426	420998.4	3740229	3.64E-03	0.00E+00	3.64E-03	3.56E-04
3427	420993.1	3740246	3.80E-03	0.00E+00	3.80E-03	3.72E-04
3428	420987.7	3740263	3.97E-03	0.00E+00	3.97E-03	3.88E-04
3429	420982.4	3740280	4.12E-03	0.00E+00	4.12E-03	4.03E-04
3430	420977	3740297	4.25E-03	0.00E+00	4.25E-03	4.16E-04
3431	420971.7	3740314	4.38E-03	0.00E+00	4.38E-03	4.29E-04
3432	420966.3	3740331	4.49E-03	0.00E+00	4.49E-03	4.40E-04
3433	420961	3740348	4.60E-03	0.00E+00	4.60E-03	4.50E-04
3434	420955.6	3740365	4.70E-03	0.00E+00	4.70E-03	4.60E-04
3435	420950.3	3740383	4.78E-03	0.00E+00	4.78E-03	4.68E-04
3436	420944.9	3740400	4.85E-03	0.00E+00	4.85E-03	4.75E-04
3437	420939.6	3740417	4.90E-03	0.00E+00	4.90E-03	4.80E-04
3438	420934.2	3740434	4.94E-03	0.00E+00	4.94E-03	4.84E-04
3439	420928.8	3740451	4.98E-03	0.00E+00	4.98E-03	4.88E-04
3440	420923.5	3740468	5.01E-03	0.00E+00	5.01E-03	4.91E-04
3441	420918.1	3740485	5.03E-03	0.00E+00	5.03E-03	4.93E-04
3442	420912.8	3740502	5.04E-03	0.00E+00	5.04E-03	4.93E-04
3443	420907.4	3740519	5.04E-03	0.00E+00	5.04E-03	4.93E-04
3444	420902.1	3740536	5.03E-03	0.00E+00	5.03E-03	4.92E-04
3445	420889.6	3740559	5.04E-03	0.00E+00	5.04E-03	4.94E-04
3446	420882.5	3740564	5.07E-03	0.00E+00	5.07E-03	4.96E-04
3447	420839.7	3740597	5.28E-03	0.00E+00	5.28E-03	5.17E-04
3448	420832.6	3740602	5.31E-03	0.00E+00	5.31E-03	5.20E-04
3449	421049.3	3740058	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3450	421049.2	3740049	2.33E-03	0.00E+00	2.33E-03	2.28E-04
3451	421049.2	3740040	2.29E-03	0.00E+00	2.29E-03	2.24E-04
3452	421049.1	3740031	2.25E-03	0.00E+00	2.25E-03	2.20E-04
3453	421049.1	3740022	2.20E-03	0.00E+00	2.20E-03	2.16E-04
3454	421049	3740013	2.16E-03	0.00E+00	2.16E-03	2.12E-04
3455	421049	3740004	2.12E-03	0.00E+00	2.12E-03	2.08E-04
3456	421086.6	3740075	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3457	421081.3	3740092	2.36E-03	0.00E+00	2.36E-03	2.31E-04
3458	421076	3740109	2.47E-03	0.00E+00	2.47E-03	2.42E-04
3459	421070.7	3740126	2.60E-03	0.00E+00	2.60E-03	2.55E-04
3460	421065.3	3740143	2.73E-03	0.00E+00	2.73E-03	2.67E-04
3461	421060	3740160	2.85E-03	0.00E+00	2.85E-03	2.79E-04
3462	421054.7	3740177	2.96E-03	0.00E+00	2.96E-03	2.90E-04
3463	421049.3	3740194	3.07E-03	0.00E+00	3.07E-03	3.01E-04
3464	421044	3740211	3.17E-03	0.00E+00	3.17E-03	3.11E-04
3465	421038.7	3740228	3.30E-03	0.00E+00	3.30E-03	3.23E-04
3466	421033.4	3740245	3.45E-03	0.00E+00	3.45E-03	3.38E-04
3467	421028	3740262	3.61E-03	0.00E+00	3.61E-03	3.53E-04
3468	421022.7	3740279	3.76E-03	0.00E+00	3.76E-03	3.68E-04
3469	421017.4	3740296	3.89E-03	0.00E+00	3.89E-03	3.80E-04
3470	421012	3740313	4.00E-03	0.00E+00	4.00E-03	3.92E-04
3471	421006.7	3740330	4.10E-03	0.00E+00	4.10E-03	4.01E-04

3472	421001.4	3740347	4.19E-03	0.00E+00	4.19E-03	4.10E-04
3473	420996.1	3740364	4.28E-03	0.00E+00	4.28E-03	4.19E-04
3474	420990.7	3740381	4.37E-03	0.00E+00	4.37E-03	4.28E-04
3475	420985.4	3740398	4.44E-03	0.00E+00	4.44E-03	4.35E-04
3476	420982.7	3740406	4.47E-03	0.00E+00	4.47E-03	4.38E-04
3477	420977.4	3740423	4.52E-03	0.00E+00	4.52E-03	4.42E-04
3478	420972.1	3740440	4.56E-03	0.00E+00	4.56E-03	4.46E-04
3479	420966.8	3740457	4.59E-03	0.00E+00	4.59E-03	4.49E-04
3480	420961.4	3740474	4.63E-03	0.00E+00	4.63E-03	4.53E-04
3481	420956.1	3740491	4.66E-03	0.00E+00	4.66E-03	4.56E-04
3482	420950.8	3740508	4.67E-03	0.00E+00	4.67E-03	4.58E-04
3483	420945.4	3740525	4.67E-03	0.00E+00	4.67E-03	4.58E-04
3484	420940.1	3740542	4.66E-03	0.00E+00	4.66E-03	4.57E-04
3485	420934.8	3740559	4.64E-03	0.00E+00	4.64E-03	4.54E-04
3486	420908.2	3740593	4.71E-03	0.00E+00	4.71E-03	4.61E-04
3487	420894	3740603	4.77E-03	0.00E+00	4.77E-03	4.67E-04
3488	420879.8	3740614	4.82E-03	0.00E+00	4.82E-03	4.72E-04
3489	420865.6	3740625	4.89E-03	0.00E+00	4.89E-03	4.78E-04
3490	420851.4	3740636	4.95E-03	0.00E+00	4.95E-03	4.85E-04
3491	420837.3	3740646	5.02E-03	0.00E+00	5.02E-03	4.92E-04
3492	421089.3	3740057	2.19E-03	0.00E+00	2.19E-03	2.14E-04
3493	421089.2	3740048	2.16E-03	0.00E+00	2.16E-03	2.11E-04
3494	421089.2	3740039	2.12E-03	0.00E+00	2.12E-03	2.08E-04
3495	421089.1	3740030	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3496	421089.1	3740021	2.06E-03	0.00E+00	2.06E-03	2.01E-04
3497	421089	3740012	2.02E-03	0.00E+00	2.02E-03	1.98E-04
3498	421126.7	3740075	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3499	421121.3	3740092	2.16E-03	0.00E+00	2.16E-03	2.12E-04
3500	421116	3740108	2.25E-03	0.00E+00	2.25E-03	2.21E-04
3501	421110.7	3740125	2.36E-03	0.00E+00	2.36E-03	2.32E-04
3502	421105.4	3740142	2.48E-03	0.00E+00	2.48E-03	2.43E-04
3503	421100.1	3740159	2.61E-03	0.00E+00	2.61E-03	2.55E-04
3504	421094.8	3740176	2.72E-03	0.00E+00	2.72E-03	2.66E-04
3505	421089.5	3740193	2.82E-03	0.00E+00	2.82E-03	2.77E-04
3506	421084.2	3740210	2.94E-03	0.00E+00	2.94E-03	2.88E-04
3507	421078.9	3740227	3.06E-03	0.00E+00	3.06E-03	2.99E-04
3508	421073.6	3740244	3.17E-03	0.00E+00	3.17E-03	3.11E-04
3509	421068.3	3740261	3.30E-03	0.00E+00	3.30E-03	3.23E-04
3510	421063	3740278	3.42E-03	0.00E+00	3.42E-03	3.35E-04
3511	421057.7	3740295	3.54E-03	0.00E+00	3.54E-03	3.46E-04
3512	421052.4	3740312	3.64E-03	0.00E+00	3.64E-03	3.57E-04
3513	421047.1	3740329	3.73E-03	0.00E+00	3.73E-03	3.65E-04
3514	421041.8	3740345	3.81E-03	0.00E+00	3.81E-03	3.73E-04
3515	421036.5	3740362	3.88E-03	0.00E+00	3.88E-03	3.80E-04
3516	421031.2	3740379	3.96E-03	0.00E+00	3.96E-03	3.88E-04
3517	421025.9	3740396	4.04E-03	0.00E+00	4.04E-03	3.96E-04
3518	421020.6	3740413	4.10E-03	0.00E+00	4.10E-03	4.02E-04

3519	421015.2	3740430	4.15E-03	0.00E+00	4.15E-03	4.06E-04
3520	421009.9	3740447	4.19E-03	0.00E+00	4.19E-03	4.10E-04
3521	421004.6	3740464	4.23E-03	0.00E+00	4.23E-03	4.14E-04
3522	420999.3	3740481	4.27E-03	0.00E+00	4.27E-03	4.18E-04
3523	420994	3740498	4.31E-03	0.00E+00	4.31E-03	4.22E-04
3524	420988.7	3740515	4.33E-03	0.00E+00	4.33E-03	4.24E-04
3525	420983.4	3740532	4.34E-03	0.00E+00	4.34E-03	4.25E-04
3526	420978.1	3740549	4.33E-03	0.00E+00	4.33E-03	4.24E-04
3527	420955.1	3740605	4.29E-03	0.00E+00	4.29E-03	4.20E-04
3528	420941	3740616	4.37E-03	0.00E+00	4.37E-03	4.28E-04
3529	420926.9	3740626	4.45E-03	0.00E+00	4.45E-03	4.36E-04
3530	420912.8	3740637	4.52E-03	0.00E+00	4.52E-03	4.42E-04
3531	420898.6	3740648	4.56E-03	0.00E+00	4.56E-03	4.47E-04
3532	420884.5	3740658	4.61E-03	0.00E+00	4.61E-03	4.51E-04
3533	420870.4	3740669	4.66E-03	0.00E+00	4.66E-03	4.56E-04
3534	420856.3	3740680	4.71E-03	0.00E+00	4.71E-03	4.62E-04
3535	420842.1	3740691	4.75E-03	0.00E+00	4.75E-03	4.65E-04
3536	421129.3	3740057	2.01E-03	0.00E+00	2.01E-03	1.97E-04
3537	421129.2	3740048	1.98E-03	0.00E+00	1.98E-03	1.94E-04
3538	421129.2	3740039	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3539	421129.1	3740030	1.92E-03	0.00E+00	1.92E-03	1.88E-04
3540	421129.1	3740021	1.90E-03	0.00E+00	1.90E-03	1.86E-04
3541	421129	3740012	1.87E-03	0.00E+00	1.87E-03	1.83E-04
3542	421129	3740003	1.84E-03	0.00E+00	1.84E-03	1.80E-04
3543	421166.6	3740074	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3544	421161.3	3740092	2.03E-03	0.00E+00	2.03E-03	1.99E-04
3545	421158.6	3740100	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3546	421153.2	3740117	2.16E-03	0.00E+00	2.16E-03	2.12E-04
3547	421147.8	3740134	2.26E-03	0.00E+00	2.26E-03	2.21E-04
3548	421142.5	3740152	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3549	421137.1	3740169	2.48E-03	0.00E+00	2.48E-03	2.43E-04
3550	421131.7	3740186	2.58E-03	0.00E+00	2.58E-03	2.53E-04
3551	421126.4	3740203	2.69E-03	0.00E+00	2.69E-03	2.63E-04
3552	421121	3740220	2.79E-03	0.00E+00	2.79E-03	2.74E-04
3553	421115.6	3740237	2.90E-03	0.00E+00	2.90E-03	2.84E-04
3554	421110.3	3740254	3.00E-03	0.00E+00	3.00E-03	2.94E-04
3555	421104.9	3740271	3.10E-03	0.00E+00	3.10E-03	3.04E-04
3556	421099.6	3740289	3.19E-03	0.00E+00	3.19E-03	3.13E-04
3557	421094.2	3740306	3.28E-03	0.00E+00	3.28E-03	3.21E-04
3558	421088.8	3740323	3.37E-03	0.00E+00	3.37E-03	3.30E-04
3559	421083.5	3740340	3.46E-03	0.00E+00	3.46E-03	3.38E-04
3560	421080.8	3740348	3.51E-03	0.00E+00	3.51E-03	3.43E-04
3561	421075.4	3740366	3.60E-03	0.00E+00	3.60E-03	3.52E-04
3562	421070	3740383	3.67E-03	0.00E+00	3.67E-03	3.59E-04
3563	421064.7	3740400	3.73E-03	0.00E+00	3.73E-03	3.66E-04
3564	421059.3	3740417	3.79E-03	0.00E+00	3.79E-03	3.71E-04
3565	421053.9	3740434	3.84E-03	0.00E+00	3.84E-03	3.76E-04

3566	421048.6	3740451	3.88E-03	0.00E+00	3.88E-03	3.80E-04
3567	421043.2	3740468	3.92E-03	0.00E+00	3.92E-03	3.84E-04
3568	421037.9	3740485	3.97E-03	0.00E+00	3.97E-03	3.88E-04
3569	421032.5	3740503	4.00E-03	0.00E+00	4.00E-03	3.92E-04
3570	421027.1	3740520	4.03E-03	0.00E+00	4.03E-03	3.95E-04
3571	421021.8	3740537	4.05E-03	0.00E+00	4.05E-03	3.97E-04
3572	421016.4	3740554	4.06E-03	0.00E+00	4.06E-03	3.98E-04
3573	421005.7	3740588	4.04E-03	0.00E+00	4.04E-03	3.95E-04
3574	421000.3	3740605	4.01E-03	0.00E+00	4.01E-03	3.93E-04
3575	420987.8	3740628	4.04E-03	0.00E+00	4.04E-03	3.95E-04
3576	420980.6	3740633	4.07E-03	0.00E+00	4.07E-03	3.99E-04
3577	420973.5	3740639	4.11E-03	0.00E+00	4.11E-03	4.02E-04
3578	420959.2	3740650	4.17E-03	0.00E+00	4.17E-03	4.08E-04
3579	420952.1	3740655	4.20E-03	0.00E+00	4.20E-03	4.11E-04
3580	420944.9	3740660	4.23E-03	0.00E+00	4.23E-03	4.14E-04
3581	420930.6	3740671	4.28E-03	0.00E+00	4.28E-03	4.19E-04
3582	420923.5	3740677	4.30E-03	0.00E+00	4.30E-03	4.21E-04
3583	420909.2	3740688	4.32E-03	0.00E+00	4.32E-03	4.23E-04
3584	420902.1	3740693	4.34E-03	0.00E+00	4.34E-03	4.25E-04
3585	420894.9	3740698	4.36E-03	0.00E+00	4.36E-03	4.26E-04
3586	420880.7	3740709	4.41E-03	0.00E+00	4.41E-03	4.32E-04
3587	420873.5	3740715	4.44E-03	0.00E+00	4.44E-03	4.34E-04
3588	420859.2	3740726	4.48E-03	0.00E+00	4.48E-03	4.39E-04
3589	420852.1	3740731	4.50E-03	0.00E+00	4.50E-03	4.40E-04
3590	420844.9	3740736	4.51E-03	0.00E+00	4.51E-03	4.42E-04
3591	421169.3	3740057	1.88E-03	0.00E+00	1.88E-03	1.84E-04
3592	421169.2	3740048	1.85E-03	0.00E+00	1.85E-03	1.81E-04
3593	421169.2	3740039	1.82E-03	0.00E+00	1.82E-03	1.79E-04
3594	421169.1	3740030	1.80E-03	0.00E+00	1.80E-03	1.76E-04
3595	421169.1	3740021	1.77E-03	0.00E+00	1.77E-03	1.73E-04
3596	421169	3740012	1.74E-03	0.00E+00	1.74E-03	1.70E-04
3597	421169	3740003	1.71E-03	0.00E+00	1.71E-03	1.68E-04
3598	421206.6	3740074	1.84E-03	0.00E+00	1.84E-03	1.81E-04
3599	421201.3	3740091	1.92E-03	0.00E+00	1.92E-03	1.88E-04
3600	421195.9	3740108	2.00E-03	0.00E+00	2.00E-03	1.96E-04
3601	421190.6	3740125	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3602	421185.3	3740142	2.17E-03	0.00E+00	2.17E-03	2.12E-04
3603	421179.9	3740159	2.26E-03	0.00E+00	2.26E-03	2.21E-04
3604	421174.6	3740177	2.36E-03	0.00E+00	2.36E-03	2.31E-04
3605	421169.2	3740194	2.46E-03	0.00E+00	2.46E-03	2.40E-04
3606	421163.9	3740211	2.55E-03	0.00E+00	2.55E-03	2.50E-04
3607	421158.6	3740228	2.64E-03	0.00E+00	2.64E-03	2.59E-04
3608	421153.2	3740245	2.73E-03	0.00E+00	2.73E-03	2.68E-04
3609	421147.9	3740262	2.82E-03	0.00E+00	2.82E-03	2.76E-04
3610	421142.5	3740279	2.90E-03	0.00E+00	2.90E-03	2.84E-04
3611	421137.2	3740296	2.99E-03	0.00E+00	2.99E-03	2.93E-04
3612	421131.8	3740313	3.07E-03	0.00E+00	3.07E-03	3.01E-04

3613	421126.5	3740330	3.16E-03	0.00E+00	3.16E-03	3.10E-04
3614	421121.2	3740347	3.25E-03	0.00E+00	3.25E-03	3.18E-04
3615	421115.8	3740364	3.34E-03	0.00E+00	3.34E-03	3.27E-04
3616	421110.5	3740381	3.42E-03	0.00E+00	3.42E-03	3.35E-04
3617	421107.8	3740390	3.45E-03	0.00E+00	3.45E-03	3.38E-04
3618	421102.5	3740407	3.50E-03	0.00E+00	3.50E-03	3.43E-04
3619	421097.1	3740424	3.55E-03	0.00E+00	3.55E-03	3.48E-04
3620	421091.8	3740441	3.60E-03	0.00E+00	3.60E-03	3.52E-04
3621	421086.4	3740458	3.63E-03	0.00E+00	3.63E-03	3.56E-04
3622	421081.1	3740475	3.66E-03	0.00E+00	3.66E-03	3.58E-04
3623	421075.7	3740492	3.69E-03	0.00E+00	3.69E-03	3.62E-04
3624	421070.4	3740509	3.72E-03	0.00E+00	3.72E-03	3.64E-04
3625	421065.1	3740526	3.76E-03	0.00E+00	3.76E-03	3.68E-04
3626	421059.7	3740543	3.80E-03	0.00E+00	3.80E-03	3.72E-04
3627	421054.4	3740560	3.82E-03	0.00E+00	3.82E-03	3.74E-04
3628	421020.6	3740651	3.79E-03	0.00E+00	3.79E-03	3.71E-04
3629	421013.4	3740656	3.82E-03	0.00E+00	3.82E-03	3.74E-04
3630	420999.2	3740667	3.88E-03	0.00E+00	3.88E-03	3.80E-04
3631	420992.1	3740672	3.91E-03	0.00E+00	3.91E-03	3.83E-04
3632	420977.9	3740683	3.96E-03	0.00E+00	3.96E-03	3.87E-04
3633	420963.7	3740694	3.99E-03	0.00E+00	3.99E-03	3.91E-04
3634	420956.5	3740699	4.01E-03	0.00E+00	4.01E-03	3.92E-04
3635	420942.3	3740710	4.05E-03	0.00E+00	4.05E-03	3.96E-04
3636	420928.1	3740721	4.09E-03	0.00E+00	4.09E-03	4.00E-04
3637	420921	3740726	4.10E-03	0.00E+00	4.10E-03	4.02E-04
3638	420906.8	3740737	4.15E-03	0.00E+00	4.15E-03	4.06E-04
3639	420892.5	3740748	4.19E-03	0.00E+00	4.19E-03	4.10E-04
3640	420878.3	3740759	4.23E-03	0.00E+00	4.23E-03	4.14E-04
3641	420864.1	3740770	4.25E-03	0.00E+00	4.25E-03	4.16E-04
3642	420849.9	3740781	4.26E-03	0.00E+00	4.26E-03	4.17E-04
3643	420842.8	3740786	4.26E-03	0.00E+00	4.26E-03	4.17E-04
3644	421209.3	3740057	1.77E-03	0.00E+00	1.77E-03	1.74E-04
3645	421209.2	3740048	1.74E-03	0.00E+00	1.74E-03	1.71E-04
3646	421209.2	3740039	1.71E-03	0.00E+00	1.71E-03	1.68E-04
3647	421209.1	3740030	1.68E-03	0.00E+00	1.68E-03	1.65E-04
3648	421209.1	3740021	1.66E-03	0.00E+00	1.66E-03	1.62E-04
3649	421209	3740012	1.63E-03	0.00E+00	1.63E-03	1.60E-04
3650	421209	3740003	1.60E-03	0.00E+00	1.60E-03	1.57E-04
3651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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4027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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4044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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4048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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4052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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4055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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4074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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5306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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5354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6309	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6310	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6311	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6312	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6313	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6314	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6315	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6316	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6317	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6318	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6319	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6320	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6321	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6322	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6323	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6324	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6325	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6326	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			UnMitigated		1527			T2					T2L3					T4				
			1523	420169.26	3740106.10																	
							1.46E-06					0.00E+00					1.46E-06					1.54E-07
			Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total
1	420199.6	3739998	1.30E-07	3.24E-07	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	3.24E-07	0.00E+00	0.00E+00	4.54E-07	1.63E-08	3.17E-08	0.00E+00	0.00E+00	4.81E-08
2	420190.3	3739998	1.56E-07	3.88E-07	0.00E+00	0.00E+00	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-07	3.88E-07	0.00E+00	0.00E+00	5.44E-07	1.96E-08	3.80E-08	0.00E+00	0.00E+00	5.76E-08
3	420180.9	3739998	1.77E-07	4.42E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	4.42E-07	0.00E+00	0.00E+00	6.19E-07	2.23E-08	4.33E-08	0.00E+00	0.00E+00	6.56E-08
4	420171.5	3739998	1.94E-07	4.83E-07	0.00E+00	0.00E+00	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	4.83E-07	0.00E+00	0.00E+00	6.77E-07	2.44E-08	4.73E-08	0.00E+00	0.00E+00	7.17E-08
5	420162.2	3739998	2.06E-07	5.14E-07	0.00E+00	0.00E+00	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	5.14E-07	0.00E+00	0.00E+00	7.20E-07	2.59E-08	5.03E-08	0.00E+00	0.00E+00	7.63E-08
6	420152.8	3739998	2.15E-07	5.36E-07	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	5.36E-07	0.00E+00	0.00E+00	7.51E-07	2.71E-08	5.25E-08	0.00E+00	0.00E+00	7.96E-08
7	420143.4	3739998	2.20E-07	5.49E-07	0.00E+00	0.00E+00	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	5.49E-07	0.00E+00	0.00E+00	7.70E-07	2.77E-08	5.38E-08	0.00E+00	0.00E+00	8.15E-08
8	420134	3739998	2.23E-07	5.56E-07	0.00E+00	0.00E+00	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.56E-07	0.00E+00	0.00E+00	7.79E-07	2.81E-08	5.44E-08	0.00E+00	0.00E+00	8.25E-08
9	420124.7	3739998	2.23E-07	5.57E-07	0.00E+00	0.00E+00	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	5.57E-07	0.00E+00	0.00E+00	7.80E-07	2.81E-08	5.45E-08	0.00E+00	0.00E+00	8.26E-08
10	420115.3	3739998	2.22E-07	5.52E-07	0.00E+00	0.00E+00	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	5.52E-07	0.00E+00	0.00E+00	7.74E-07	2.79E-08	5.41E-08	0.00E+00	0.00E+00	8.19E-08
11	420105.9	3739998	2.17E-07	5.42E-07	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-07	5.42E-07	0.00E+00	0.00E+00	7.59E-07	2.73E-08	5.31E-08	0.00E+00	0.00E+00	8.04E-08
12	420096.6	3739998	2.10E-07	5.25E-07	0.00E+00	0.00E+00	7.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	5.25E-07	0.00E+00	0.00E+00	7.35E-07	2.65E-08	5.14E-08	0.00E+00	0.00E+00	7.78E-08
13	420087.2	3739998	2.00E-07	4.98E-07	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-07	4.98E-07	0.00E+00	0.00E+00	6.98E-07	2.51E-08	4.88E-08	0.00E+00	0.00E+00	7.40E-08
14	420077.8	3739998	1.85E-07	4.61E-07	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-07	4.61E-07	0.00E+00	0.00E+00	6.46E-07	2.33E-08	4.51E-08	0.00E+00	0.00E+00	6.84E-08
15	420068.5	3739998	1.63E-07	4.06E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	4.06E-07	0.00E+00	0.00E+00	5.69E-07	2.05E-08	3.98E-08	0.00E+00	0.00E+00	6.03E-08
16	420199.6	3739988	9.50E-08	2.37E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-08	2.37E-07	0.00E+00	0.00E+00	3.32E-07	1.19E-08	2.32E-08	0.00E+00	0.00E+00	3.51E-08
17	420190.3	3739988	1.11E-07	2.77E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.77E-07	0.00E+00	0.00E+00	3.88E-07	1.40E-08	2.71E-08	0.00E+00	0.00E+00	4.10E-08
18	420180.9	3739988	1.26E-07	3.14E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	3.14E-07	0.00E+00	0.00E+00	4.40E-07	1.59E-08	3.08E-08	0.00E+00	0.00E+00	4.66E-08
19	420171.5	3739988	1.39E-07	3.46E-07	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	3.46E-07	0.00E+00	0.00E+00	4.85E-07	1.75E-08	3.39E-08	0.00E+00	0.00E+00	5.14E-08
20	420162.2	3739988	1.49E-07	3.72E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-07	3.72E-07	0.00E+00	0.00E+00	5.21E-07	1.88E-08	3.64E-08	0.00E+00	0.00E+00	5.52E-08
21	420152.8	3739988	1.57E-07	3.91E-07	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-07	3.91E-07	0.00E+00	0.00E+00	5.48E-07	1.97E-08	3.83E-08	0.00E+00	0.00E+00	5.80E-08
22	420143.4	3739988	1.62E-07	4.04E-07	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	4.04E-07	0.00E+00	0.00E+00	5.66E-07	2.04E-08	3.96E-08	0.00E+00	0.00E+00	5.99E-08
23	420134	3739988	1.65E-07	4.12E-07	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-07	4.12E-07	0.00E+00	0.00E+00	5.77E-07	2.08E-08	4.03E-08	0.00E+00	0.00E+00	6.11E-08
24	420124.7	3739988	1.67E-07	4.15E-07	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	4.15E-07	0.00E+00	0.00E+00	5.82E-07	2.09E-08	4.06E-08	0.00E+00	0.00E+00	6.16E-08
25	420115.3	3739988	1.66E-07	4.15E-07	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-07	4.15E-07	0.00E+00	0.00E+00	5.81E-07	2.09E-08	4.06E-08	0.00E+00	0.00E+00	6.15E-08
26	420105.9	3739988	1.64E-07	4.10E-07	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-07	4.10E-07	0.00E+00	0.00E+00	5.74E-07	2.07E-08	4.01E-08	0.00E+00	0.00E+00	6.08E-08
27	420096.6	3739988	1.61E-07	4.00E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-07	4.00E-07	0.00E+00	0.00E+00	5.61E-07	2.02E-08	3.92E-08	0.00E+00	0.00E+00	5.94E-08
28	420087.2	3739988	1.54E-07	3.84E-07	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	3.84E-07	0.00E+00	0.00E+00	5.38E-07	1.94E-08	3.76E-08	0.00E+00	0.00E+00	5.70E-08
29	420077.8	3739988	1.44E-07	3.60E-07	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-07	3.60E-07	0.00E+00	0.00E+00	5.04E-07	1.82E-08	3.52E-08	0.00E+00	0.00E+00	5.34E-08
30	420068.5	3739988	1.31E-07	3.26E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.26E-07	0.00E+00	0.00E+00	4.57E-07	1.65E-08	3.19E-08	0.00E+00	0.00E+00	4.84E-08
31	420199.6	3739978	7.41E-08	1.85E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-08	1.85E-07	0.00E+00	0.00E+00	2.59E-07	9.32E-09	1.81E-08	0.00E+00	0.00E+00	2.74E-08
32	420190.3	3739978	8.48E-08	2.11E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-08	2.11E-07	0.00E+00	0.00E+00	2.96E-07	1.07E-08	2.07E-08	0.00E+00	0.00E+00	3.13E-08
33	420180.9	3739978	9.54E-08	2.38E-07	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-08	2.38E-07	0.00E+00	0.00E+00	3.33E-07	1.20E-08	2.33E-08	0.00E+00	0.00E+00	3.53E-08
34	420171.5	3739978	1.05E-07	2.62E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.62E-07	0.00E+00	0.00E+00	3.67E-07	1.32E-08	2.56E-08	0.00E+00	0.00E+00	3.89E-08
35	420162.2	3739978	1.13E-07	2.82E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.82E-07	0.00E+00	0.00E+00	3.96E-07	1.42E-08	2.76E-08	0.00E+00	0.00E+00	4.19E-08
36	420152.8	3739978	1.20E-07	2.99E-07	0.00E+00	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	2.99E-07	0.00E+00	0.00E+00	4.19E-07	1.51E-08	2.93E-08	0.00E+00	0.00E+00	4.43E-08
37	420143.4	3739978	1.25E-07	3.11E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	3.11E-07	0.00E+00	0.00E+00	4.35E-07	1.57E-08	3.04E-08	0.00E+00	0.00E+00	4.61E-08
38	420134	3739978	1.28E-07	3.19E-07	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-07	3.19E-07	0.00E+00	0.00E+00	4.47E-07	1.61E-08	3.12E-08	0.00E+00	0.00E+00	4.73E-08
39	420124.7	3739978	1.30E-07	3.24E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	3.24E-07	0.00E+00	0.00E+00	4.53E-07	1.63E-08	3.17E-08	0.00E+00	0.00E+00	4.80E-08
40	420115.3	3739978	1.30E-07	3.25E-07	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	3.25E-07	0.00E+00	0.00E+00	4.56E-07	1.64E-08	3.18E-08	0.00E+00	0.00E+00	4.82E-08
41	420105.9	3739978	1.30E-07	3.23E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	3.23E-07	0.00E+00	0.00E+00	4.53E-07	1.63E-08	3.16E-08	0.00E+00	0.00E+00	4.79E-08
42	420096.6	3739978	1.27E-07	3.17E-07	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	3.17E-07	0.00E+00	0.00E+00	4.44E-07	1.60E-08	3.10E-08	0.00E+00	0.00E+00	4.70E-08
43	420087.2	3739978	1.22E-07	3.04E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	3.04E-07	0.00E+00	0.00E+00	4.26E-07	1.53E-08	2.98E-08	0.00E+00	0.00E+00	4.51E-08
44	420077.8	3739978	1.15E-07	2.86E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.86E-07	0.00E+00	0.00E+00	4.01E-07	1.44E-08	2.80E-08	0.00E+00	0.00E+00	4.25E-08
45	420068.5	3739978	1.06E-07	2.63E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.63E-07	0.00E+00	0.00E+00	3.69E-07	1.33E-08	2.58E-08	0.00E+00	0.00E+00	3.91E-08
46	420240.2	3739986	5.09E-08	1.27E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-08	1.27E-07	0.00E+00	0.00E+00	1.78E-07	6.40E-09	1.24E-08	0.00E+00	0.00E+00	1.88E-08
47	420246.1	3740000	6.21E-08	1.55E-07	0.00E+00	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-08	1.55E-07	0.00E+00	0.00E+00	2.17E-07	7.81E-09	1.51E-08	0.00E+00	0.00E+00	2.30E-08
48	420199.6	3739968	6.03E-08	1.50E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.50E-07	0.00E+00	0.00E+00	2.10E-07	7.58E-09	1.47E-08	0.00E+00	0.00E+00	2.23E-08
49	420190.3	3739968	6.78E-08	1.69E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.69E-07	0.00E+00	0.00E+00	2.37E-07	8.53E-09	1.65E-08	0.00E+00	0.00E+00	2.51E-08
50	420180.9	3739968	7.54E-08	1.88E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-08	1.88E-07	0.00E+00	0.00E+00	2.63E-07	9.49E-09	1.84E-08	0.00E+00	0.00E+00	2.79E-08
51	420171.5	3739968	8.29E-08	2.07E-07	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-08	2.07E-07	0.00E+00	0.00E+00	2.90E-07	1.04E-08	2.02E-08	0.00E+00	0.00E+00	3.07E-08
52	420162.2	3739968	8.95E-08	2.23E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-08	2.23E-07	0.00E+00	0.00E+00	3.13E-07	1.13E-08	2.19E-08	0.00E+00	0.00E+00	3.31E-08
53	420152.8	3739968	9.51E-08	2.37E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-08	2.37E-07	0.00E+00	0.00E+00	3.32E-07	1.20E-08	2.32E-08	0.00E+00	0.00E+00	3.52E-08
54	420143.4	3739968	9.95E-08	2.48E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-08	2.48E-07	0.00E+00	0.00E+00	3.48E-07	1.25E-08	2.43E-08	0.00E+00	0.00E+00	3.68E-08
55	420134	3739968	1.03E-07	2.56E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.56E-07	0.00E+00	0.00E+00	3.59E-07	1.29E-08	2.51E-08	0.00E+00	0.00E+00	3.80E-08
56	420124.7	3739968	1.05E-07	2.61E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.61E-07	0.00E+00	0.00E+00	3.66E-07	1.32E-08	2.56E-08	0.00E+00	0.00E+00	3.87E-08
57	420115.3	3739968	1.06E-07	2.63E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.63E-07	0.00E+00	0.00E+00	3.68E-07	1.33E-08	2.57E-08	0.00E+00	0.00E+00	3.90E-08
58	420105.9	3739968	1.05E-07	2.61E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.61E-07	0.00E+00	0.00E+00	3.66E-07	1.32E-08	2.56E-08	0.00E+00	0.00E+00	3.87E-08
59	420096.6	3739968	1.03E-07	2.56E-07	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-07	2.56E-07	0.00E+00	0.00E+00	3.58E-07	1.29E-08	2.50E-08	0.00E+00	0.00E+00	3.79E-08
60	420087.2	3739968	9.93E-08	2.47E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	2.47E-07	0.00E+00	0.00E+00	3.47E-07	1.25E-08	2.42E-08	0.00E+00	0.00E+00	3.67E-08
61	420077.8	3739968	9.46E-08	2.36E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-08	2.36E-07	0.00E+00	0.00E+00	3.31E-07	1.19E-08	2.31E-08	0.00E+00	0.00E+00	3.50E-08
62	420068.5	3739968	8.86E-08	2.21E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-08	2.21E-07	0.00E+00	0.00E+00	3.10E-07	1.11E-08	2.16E-08	0.00E+00	0.00E+00	3.28E-08
63	420253.1	3739993	4.96E-08	1.24E-07	0.00E+00	0.00E+00	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-08	1.24E-07	0.00E+00	0.00E+00	1.73E-07	6.24E-09	1.21E-08	0.00E+00	0.00E+00	1.84E-08
64	420199.6	3739958	5.05E-08	1.26E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-08	1.26E-07	0.00E+00	0.00E+00	1.76E-07	6.35E-09	1.23E-08	0.00E+00	0.00E+00	1.87E-08
65	420190.3	3739958	5.61E-08	1.40E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-08	1.40E-07	0.00E+00	0.00E+00	1.96E-07	7.05E-09	1.37E-08	0.00E+00	0.00E+00	2.07E-08
66	420180.9	3739958	6.18E-08	1.54E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.54E-07	0.00E+00	0.00E+00	2.16E-07	7.77E-09	1.51E-08	0.00E+00	0.00E+00	2.28E-08
67	420171.5	3739958	6.76E-08	1.69E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	1.69E-07	0.00E+00	0.00E+00	2.36E-07	8.51E-09	1.65E-08	0.00E+00	0.00E+00	2.50E-08
68	420162.2	3739958	7.30E-08	1.82E-07	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-08	1.82E-07	0.00E+00	0.00E+00	2.55E-07	9.18E-09	1.78E-08	0.00E+00	0.00E+00	2.70E-08
69	420152.8	3739958	7.77E-08	1.94E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-08	1.94E-07	0.00E+00	0.00E+00	2.72E-07	9.78E-09	1.90E-08	0.00E+00	0.00E+00	2.88E-08
70	420143.4	3739958	8.16E-08	2.03E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-08	2.03E-07	0.00E+00	0.00E+00	2.85E-07	1.03E-08	1.99E-08	0.00E+00	0.00E+00	3.02E-08
71	420134	3739958	8.45E-08	2.11E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-08	2.11E-07	0.00E+00	0.00E+00	2.95E-07	1.06E-08	2.06E-08	0.00E+00	0.00E+00	3.13E-08
72	420124.7	3739958	8.61E-08	2.15E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	2.15E-07	0.00E+00	0.00E+00	3.01E-07	1.08E-08	2.10E-08	0.00E+00	0.00E+00	3.18E-08
73	420115.3	3739958	8.67E-08	2.16E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-08	2.16E-07	0.00E+00	0.00E+00	3.03E-07	1.09E-08	2.12E-08	0.00E+00	0.00E+00	3.21E-08
74	420105.9	3739958	8.64E-08	2.15E-07	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-08	2.15E-07	0.00E+00	0.00E+00	3.02E-07	1.09E-08	2.11E-08	0.00E+00	0.00E+00	3.19E-08
75	420096.6	3739958	8.51E-08	2.12E-07	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-08	2.12E-07	0.00E+00	0.00E+00	2.97E-07	1.07E-08	2.08E-08	0.00E+00	0.00E+00	3.15E-08
76	420087.2	3739958	8.29E-08	2.07E-07	0.00E+00	0.00E+00	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-08	2.07E-07	0.00E+00	0.00E+00	2.89E-07	1.04E-08	2.02E-08	0.00E+00	0.00E+00	3.06E-08
77	420077.8	3739958	7.99E-08	1.99E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.99E-07	0.00E+00	0.00E+00	2.79E-07	1.00E-08	1.95E-08	0.00E+00	0.00E+00	2.95E-08
78	420068.5	3739958	7.58E-08	1.89E-07	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-08	1.89E-07	0.00E+00	0.00E+00	2.65E-07	9.54E-09	1.85E-08	0.00E+00	0.00E+00	2.80E-08
79	420234.4	3739958	3.51E-08	8.74E-08	0.00E+00	0.00E+00	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-08	8.74E-08	0.00E+00	0.00E+00	1.23E-07	4.41E-09	8.56

125	420162.2	3739928	4.50E-08	1.12E-07	0.00E+00	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-08	1.12E-07	0.00E+00	0.00E+00	1.57E-07	5.66E-09	1.10E-08	0.00E+00	0.00E+00	1.66E-08
126	420152.8	3739928	4.78E-08	1.19E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-08	1.19E-07	0.00E+00	0.00E+00	1.67E-07	6.01E-09	1.17E-08	0.00E+00	0.00E+00	1.77E-08
127	420143.4	3739928	5.03E-08	1.25E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-08	1.25E-07	0.00E+00	0.00E+00	1.76E-07	6.32E-09	1.23E-08	0.00E+00	0.00E+00	1.86E-08
128	420134	3739928	5.22E-08	1.30E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-08	1.30E-07	0.00E+00	0.00E+00	1.82E-07	6.57E-09	1.28E-08	0.00E+00	0.00E+00	1.93E-08
129	420124.7	3739928	5.36E-08	1.34E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-08	1.34E-07	0.00E+00	0.00E+00	1.87E-07	6.74E-09	1.31E-08	0.00E+00	0.00E+00	1.98E-08
130	420115.3	3739928	5.45E-08	1.36E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-08	1.36E-07	0.00E+00	0.00E+00	1.90E-07	6.85E-09	1.33E-08	0.00E+00	0.00E+00	2.02E-08
131	420105.9	3739928	5.51E-08	1.37E-07	0.00E+00	0.00E+00	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-08	1.37E-07	0.00E+00	0.00E+00	1.92E-07	6.93E-09	1.35E-08	0.00E+00	0.00E+00	2.04E-08
132	420096.6	3739928	5.52E-08	1.38E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-08	1.38E-07	0.00E+00	0.00E+00	1.93E-07	6.94E-09	1.35E-08	0.00E+00	0.00E+00	2.04E-08
133	420087.2	3739928	5.48E-08	1.37E-07	0.00E+00	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-08	1.37E-07	0.00E+00	0.00E+00	1.91E-07	6.89E-09	1.34E-08	0.00E+00	0.00E+00	2.03E-08
134	420077.8	3739928	5.38E-08	1.34E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-08	1.34E-07	0.00E+00	0.00E+00	1.88E-07	6.77E-09	1.31E-08	0.00E+00	0.00E+00	1.99E-08
135	420068.5	3739928	5.24E-08	1.31E-07	0.00E+00	0.00E+00	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-08	1.31E-07	0.00E+00	0.00E+00	1.83E-07	6.59E-09	1.28E-08	0.00E+00	0.00E+00	1.94E-08
136	420248.7	3739934	2.36E-08	5.87E-08	0.00E+00	0.00E+00	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	5.87E-08	0.00E+00	0.00E+00	8.23E-08	2.96E-09	5.75E-09	0.00E+00	0.00E+00	8.71E-09
137	420264.6	3739941	2.24E-08	5.58E-08	0.00E+00	0.00E+00	7.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	5.58E-08	0.00E+00	0.00E+00	7.81E-08	2.81E-09	5.46E-09	0.00E+00	0.00E+00	8.27E-09
138	420275.8	3739952	2.31E-08	5.77E-08	0.00E+00	0.00E+00	8.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	5.77E-08	0.00E+00	0.00E+00	8.08E-08	2.91E-09	5.65E-09	0.00E+00	0.00E+00	8.56E-09
139	420282.4	3739968	2.62E-08	6.53E-08	0.00E+00	0.00E+00	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-08	6.53E-08	0.00E+00	0.00E+00	9.15E-08	3.30E-09	6.40E-09	0.00E+00	0.00E+00	9.69E-09
140	420289.1	3739984	3.01E-08	7.50E-08	0.00E+00	0.00E+00	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-08	7.50E-08	0.00E+00	0.00E+00	1.05E-07	3.78E-09	7.34E-09	0.00E+00	0.00E+00	1.11E-08
141	420295.7	3739999	3.48E-08	8.68E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	8.68E-08	0.00E+00	0.00E+00	1.22E-07	4.38E-09	8.50E-09	0.00E+00	0.00E+00	1.29E-08
142	420199.6	3739918	2.95E-08	7.36E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-08	7.36E-08	0.00E+00	0.00E+00	1.03E-07	3.71E-09	7.21E-09	0.00E+00	0.00E+00	1.09E-08
143	420190.3	3739918	3.19E-08	7.94E-08	0.00E+00	0.00E+00	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-08	7.94E-08	0.00E+00	0.00E+00	1.11E-07	4.01E-09	7.77E-09	0.00E+00	0.00E+00	1.18E-08
144	420180.9	3739918	3.43E-08	8.54E-08	0.00E+00	0.00E+00	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-08	8.54E-08	0.00E+00	0.00E+00	1.20E-07	4.31E-09	8.37E-09	0.00E+00	0.00E+00	1.27E-08
145	420171.5	3739918	3.69E-08	9.18E-08	0.00E+00	0.00E+00	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-08	9.18E-08	0.00E+00	0.00E+00	1.29E-07	4.63E-09	8.99E-09	0.00E+00	0.00E+00	1.36E-08
146	420162.2	3739918	3.94E-08	9.81E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-08	9.81E-08	0.00E+00	0.00E+00	1.38E-07	4.95E-09	9.61E-09	0.00E+00	0.00E+00	1.46E-08
147	420152.8	3739918	4.18E-08	1.04E-07	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-08	1.04E-07	0.00E+00	0.00E+00	1.46E-07	5.25E-09	1.02E-08	0.00E+00	0.00E+00	1.54E-08
148	420143.4	3739918	4.39E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	5.52E-09	1.07E-08	0.00E+00	0.00E+00	1.62E-08
149	420134	3739918	4.57E-08	1.14E-07	0.00E+00	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-08	1.14E-07	0.00E+00	0.00E+00	1.60E-07	5.75E-09	1.11E-08	0.00E+00	0.00E+00	1.69E-08
150	420124.7	3739918	4.69E-08	1.17E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-08	1.17E-07	0.00E+00	0.00E+00	1.64E-07	5.90E-09	1.15E-08	0.00E+00	0.00E+00	1.74E-08
151	420115.3	3739918	4.79E-08	1.19E-07	0.00E+00	0.00E+00	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-08	1.19E-07	0.00E+00	0.00E+00	1.67E-07	6.03E-09	1.17E-08	0.00E+00	0.00E+00	1.77E-08
152	420105.9	3739918	4.86E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	6.11E-09	1.19E-08	0.00E+00	0.00E+00	1.80E-08
153	420096.6	3739918	4.89E-08	1.22E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-08	1.22E-07	0.00E+00	0.00E+00	1.71E-07	6.15E-09	1.19E-08	0.00E+00	0.00E+00	1.81E-08
154	420087.2	3739918	4.87E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	6.13E-09	1.19E-08	0.00E+00	0.00E+00	1.80E-08
155	420077.8	3739918	4.81E-08	1.20E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-08	1.20E-07	0.00E+00	0.00E+00	1.68E-07	6.05E-09	1.17E-08	0.00E+00	0.00E+00	1.78E-08
156	420068.5	3739918	4.71E-08	1.17E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-08	1.17E-07	0.00E+00	0.00E+00	1.64E-07	5.92E-09	1.15E-08	0.00E+00	0.00E+00	1.74E-08
157	420248.2	3739924	2.14E-08	5.34E-08	0.00E+00	0.00E+00	7.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	5.34E-08	0.00E+00	0.00E+00	7.48E-08	2.69E-09	5.22E-09	0.00E+00	0.00E+00	7.92E-09
158	420263.9	3739930	2.04E-08	5.08E-08	0.00E+00	0.00E+00	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	5.08E-08	0.00E+00	0.00E+00	7.11E-08	2.56E-09	4.97E-09	0.00E+00	0.00E+00	7.53E-09
159	420282.8	3739945	2.05E-08	5.11E-08	0.00E+00	0.00E+00	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	5.11E-08	0.00E+00	0.00E+00	7.16E-08	2.58E-09	5.00E-09	0.00E+00	0.00E+00	7.58E-09
160	420289.4	3739960	2.30E-08	5.72E-08	0.00E+00	0.00E+00	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-08	5.72E-08	0.00E+00	0.00E+00	8.02E-08	2.89E-09	5.60E-09	0.00E+00	0.00E+00	8.49E-09
161	420302.5	3739992	2.97E-08	7.41E-08	0.00E+00	0.00E+00	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-08	7.41E-08	0.00E+00	0.00E+00	1.04E-07	3.74E-09	7.25E-09	0.00E+00	0.00E+00	1.10E-08
162	420199.6	3739908	2.65E-08	6.61E-08	0.00E+00	0.00E+00	9.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-08	6.61E-08	0.00E+00	0.00E+00	9.27E-08	3.34E-09	6.48E-09	0.00E+00	0.00E+00	9.81E-09
163	420190.3	3739908	2.85E-08	7.10E-08	0.00E+00	0.00E+00	9.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-08	7.10E-08	0.00E+00	0.00E+00	9.95E-08	3.58E-09	6.95E-09	0.00E+00	0.00E+00	1.05E-08
164	420180.9	3739908	3.05E-08	7.61E-08	0.00E+00	0.00E+00	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-08	7.61E-08	0.00E+00	0.00E+00	1.07E-07	3.84E-09	7.45E-09	0.00E+00	0.00E+00	1.13E-08
165	420171.5	3739908	3.27E-08	8.15E-08	0.00E+00	0.00E+00	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-08	8.15E-08	0.00E+00	0.00E+00	1.14E-07	4.11E-09	7.98E-09	0.00E+00	0.00E+00	1.21E-08
166	420162.2	3739908	3.48E-08	8.68E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	8.68E-08	0.00E+00	0.00E+00	1.22E-07	4.38E-09	8.50E-09	0.00E+00	0.00E+00	1.29E-08
167	420152.8	3739908	3.69E-08	9.19E-08	0.00E+00	0.00E+00	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-08	9.19E-08	0.00E+00	0.00E+00	1.29E-07	4.64E-09	9.00E-09	0.00E+00	0.00E+00	1.36E-08
168	420143.4	3739908	3.87E-08	9.65E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-08	9.65E-08	0.00E+00	0.00E+00	1.35E-07	4.87E-09	9.45E-09	0.00E+00	0.00E+00	1.43E-08
169	420134	3739908	4.03E-08	1.01E-07	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-08	1.01E-07	0.00E+00	0.00E+00	1.41E-07	5.07E-09	9.85E-09	0.00E+00	0.00E+00	1.49E-08
170	420124.7	3739908	4.16E-08	1.04E-07	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-08	1.04E-07	0.00E+00	0.00E+00	1.45E-07	5.23E-09	1.01E-08	0.00E+00	0.00E+00	1.54E-08
171	420115.3	3739908	4.25E-08	1.06E-07	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-08	1.06E-07	0.00E+00	0.00E+00	1.49E-07	5.35E-09	1.04E-08	0.00E+00	0.00E+00	1.57E-08
172	420105.9	3739908	4.33E-08	1.08E-07	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-08	1.08E-07	0.00E+00	0.00E+00	1.51E-07	5.44E-09	1.06E-08	0.00E+00	0.00E+00	1.60E-08
173	420096.6	3739908	4.36E-08	1.09E-07	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-08	1.09E-07	0.00E+00	0.00E+00	1.52E-07	5.49E-09	1.06E-08	0.00E+00	0.00E+00	1.61E-08
174	420087.2	3739908	4.36E-08	1.09E-07	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-08	1.09E-07	0.00E+00	0.00E+00	1.52E-07	5.49E-09	1.06E-08	0.00E+00	0.00E+00	1.61E-08
175	420077.8	3739908	4.32E-08	1.08E-07	0.00E+00	0.00E+00	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-08	1.08E-07	0.00E+00	0.00E+00	1.51E-07	5.44E-09	1.06E-08	0.00E+00	0.00E+00	1.60E-08
176	420068.5	3739908	4.25E-08	1.06E-07	0.00E+00	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-08	1.06E-07	0.00E+00	0.00E+00	1.48E-07	5.34E-09	1.04E-08	0.00E+00	0.00E+00	1.57E-08
177	420234.4	3739898	1.89E-08	4.71E-08	0.00E+00	0.00E+00	6.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	4.71E-08	0.00E+00	0.00E+00	6.60E-08	2.37E-09	4.61E-09	0.00E+00	0.00E+00	6.98E-09
178	420242.9	3739902	1.84E-08	4.57E-08	0.00E+00	0.00E+00	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	4.57E-08	0.00E+00	0.00E+00	6.41E-08	2.31E-09	4.48E-09	0.00E+00	0.00E+00	6.79E-09
179	420251.3	3739905	1.78E-08	4.45E-08	0.00E+00	0.00E+00	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	4.45E-08	0.00E+00	0.00E+00	6.23E-08	2.24E-09	4.36E-09	0.00E+00	0.00E+00	6.60E-09
180	420259.8	3739909	1.74E-08	4.33E-08	0.00E+00	0.00E+00	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	4.33E-08	0.00E+00	0.00E+00	6.07E-08	2.18E-09	4.24E-09	0.00E+00	0.00E+00	6.42E-09
181	420268.3	3739912	1.69E-08	4.22E-08	0.00E+00	0.00E+00	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	4.22E-08	0.00E+00	0.00E+00	5.91E-08	2.13E-09	4.13E-09	0.00E+00	0.00E+00	6.26E-09
182	420276.7	3739916	1.65E-08	4.12E-08	0.00E+00	0.00E+00	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	4.12E-08	0.00E+00	0.00E+00	5.77E-08	2.08E-09	4.03E-09	0.00E+00	0.00E+00	6.11E-09
183	420285.2	3739919	1.61E-08	4.02E-08	0.00E+00	0.00E+00	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	4.02E-08	0.00E+00	0.00E+00	5.64E-08	2.03E-09	3.94E-09	0.00E+00	0.00E+00	5.97E-09
184	420297.2	3739931	1.66E-08	4.13E-08	0.00E+00	0.00E+00	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	4.13E-08	0.00E+00	0.00E+00	5.79E-08	2.08E-09	4.04E-09	0.00E+00	0.00E+00	6.13E-09
185	420300.7	3739940	1.74E-08	4.35E-08	0.00E+00	0.00E+00	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	4.35E-08	0.00E+00	0.00E+00	6.09E-08	2.19E-09	4.26E-09	0.00E+00	0.00E+00	6.45E-09
186	420304.3	3739948	1.84E-08	4.59E-08	0.00E+00	0.00E+00	6.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	4.59E-08	0.00E+00	0.00E+00	6.43E-08	2.32E-09	4.49E-09	0.00E+00	0.00E+00	6.81E-09
187	420307.8	3739956	1.95E-08	4.86E-08	0.00E+00	0.00E+00	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	4.86E-08	0.00E+00	0.00E+00	6.81E-08	2.45E-09	4.76E-09	0.00E+00	0.00E+00	7.21E-09
188	420311.3	3739965	2.07E-08	5.16E-08	0.00E+00	0.00E+00	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	5.16E-08	0.00E+00	0.00E+00	7.23E-08	2.60E-09	5.05E-09	0.00E+00	0.00E+00	7.65E-09
189	420318.4	3739982	2.35E-08	5.85E-08	0.00E+00	0.00E+00	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-08	5.85E-08	0.00E+00	0.00E+00	8.20E-08	2.95E-09	5.73E-09	0.00E+00	0.00E+00	8.68E-09
190	420321.9	3739990	2.50E-08	6.24E-08	0.00E+00	0.00E+00	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	6.24E-08	0.00E+00	0.00E+00	8.74E-08	3.15E-09	6.11E-09	0.00E+00	0.00E+00	9.26E-09
191	420325.5	3739999	2.67E-08	6.65E-08	0.00E+00	0.00E+00	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-08	6.65E-08	0.00E+00	0.00E+00	9.31E-08	3.35E-09	6.51E-09	0.00E+00	0.00E+00	9.86E-09
192	420199.6	3739888	2.19E-08	5.45E-08	0.00E+00	0.00E+00	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	5.45E-08	0.00E+00	0.00E+00	7.64E-08	2.75E-09	5.34E-09	0.00E+00	0.00E+00	8.09E-09
193	420190.3	3739888	2.33E-08	5.81E-08	0.00E+00	0.00E+00	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	5.81E-08	0.00E+00	0.00E+00	8.14E-08	2.93E-09	5.69E-09	0.00E+00	0.00E+00	8.62E-09
194	420180.9	3739888	2.48E-08	6.18E-08	0.00E+00	0.00E+00	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	6.18E-08	0.00E+00	0.00E+00	8.66E-08	3.12E-09	6.05E-09	0.00E+00	0.00E+00	9.17E-09
195	420171.5	3739888	2.64E-08	6.58E-08	0.00E+00	0.00E+00	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-08	6.58E-08	0.00E+00	0.00E+00	9.21E-08	3.32E-09	6.44E-09	0.00E+00	0.00E+00	9.76E-09
196	420162.2	3739888	2.80E-08	6.97E-08	0.00E+00	0.00E+00	9.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	6.97E-08	0.00E+00	0.00E+00	9.76E-08	3.52E-09	6.82E-09	0.00E+00	0.00E+00	1.03E-08
197	420152.8	3739888	2.95E-08	7.35E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-08	7.35E-08	0.00E+00	0.00E+00	1.03E-07	3.71E-09	7.19E-09	0.00E+00	0.00E+00	1.09E-08
198	420143.4	3739888	3.09E-08	7.70E-08	0.00E+00	0.00E+00	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	7.70E-08	0.00E+00	0.00E+00	1.08E-07	3.89E-09	7.54E-09	0.00E+00	0.00E+00	1.14E-08
199	420134	3739888	3.22E-08	8.02E-08	0.00E+00	0.00E+00	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-08	8.02E-08	0.00E+00	0.00E+00	1.12E-07	4.05E-09	7.85E-09	0.00E+00	0.00E+00	1.19E-08
200	420124.7	3739888	3.33E-08	8.29E-08	0.00E+00	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-08	8.29E-08	0.00E+00	0.00E+00	1.16E-07	4.19E-09	8.12E-09	0.00E+00	0.00E+00	1.23E-08
201	420115.3	3739888	3.42E-08	8.52E-08	0.00E+00	0.00E+00	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-08	8.52E-08	0.00E+00	0.00E+00	1.19E-07	4.30E-09	8.34E-09	0.00E+00	0.00E+00	1.26E-08
202	420105.9	3739888	3.49E-08	8.69E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-08	8.69E-08	0.00E+00	0.00E+00	1.22E-07	4.38E-09	8.51E-09	0.00E+00	0.00E+00	1.29E-08
203	420096.6	3739888	3.53E-08	8.80E-08	0.00E+00	0.00E+00	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-08	8.80E-08	0.00E+00	0.00E+00	1.23E-07	4.44E-09	8.62E-09	0.00E+00	0.00E+00	1.31E-08
204	420087.2	3739888	3.55E-08	8.85E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-08	8.85E-08	0.00E+00	0.00E+00	1.24E-07	4.46E-09	8.66E-09	0.00E+00	0.00E+00	1.31E-08
205

253	420417.2	3739931	9.15E-09	2.28E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-09	2.28E-08	0.00E+00	0.00E+00	3.20E-08	1.15E-09	2.23E-09	0.00E+00	0.00E+00	3.38E-09
254	420420.7	3739939	9.52E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	1.20E-09	2.32E-09	0.00E+00	0.00E+00	3.52E-09
255	420424.3	3739947	9.91E-09	2.47E-08	0.00E+00	0.00E+00	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	2.47E-08	0.00E+00	0.00E+00	3.46E-08	1.25E-09	2.42E-09	0.00E+00	0.00E+00	3.66E-09
256	420431.3	3739964	1.07E-08	2.68E-08	0.00E+00	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.68E-08	0.00E+00	0.00E+00	3.75E-08	1.35E-09	2.62E-09	0.00E+00	0.00E+00	3.97E-09
257	420434.9	3739973	1.12E-08	2.78E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.78E-08	0.00E+00	0.00E+00	3.90E-08	1.40E-09	2.73E-09	0.00E+00	0.00E+00	4.13E-09
258	420438.4	3739981	1.16E-08	2.90E-08	0.00E+00	0.00E+00	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.90E-08	0.00E+00	0.00E+00	4.06E-08	1.46E-09	2.84E-09	0.00E+00	0.00E+00	4.30E-09
259	420423.7	3739898	7.40E-09	1.84E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-09	1.84E-08	0.00E+00	0.00E+00	2.59E-08	9.31E-10	1.81E-09	0.00E+00	0.00E+00	2.74E-09
260	420430.7	3739915	7.91E-09	1.97E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.97E-08	0.00E+00	0.00E+00	2.76E-08	9.95E-10	1.93E-09	0.00E+00	0.00E+00	2.93E-09
261	420437.7	3739932	8.49E-09	2.12E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	2.12E-08	0.00E+00	0.00E+00	2.97E-08	1.07E-09	2.07E-09	0.00E+00	0.00E+00	3.14E-09
262	420441.1	3739940	8.81E-09	2.20E-08	0.00E+00	0.00E+00	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-09	2.20E-08	0.00E+00	0.00E+00	3.08E-08	1.11E-09	2.15E-09	0.00E+00	0.00E+00	3.26E-09
263	420448.1	3739957	9.48E-09	2.36E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-09	2.36E-08	0.00E+00	0.00E+00	3.31E-08	1.19E-09	2.31E-09	0.00E+00	0.00E+00	3.51E-09
264	420455.1	3739973	1.02E-08	2.55E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.55E-08	0.00E+00	0.00E+00	3.57E-08	1.29E-09	2.49E-09	0.00E+00	0.00E+00	3.78E-09
265	420442.4	3739895	6.81E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	8.57E-10	1.66E-09	0.00E+00	0.00E+00	2.52E-09
266	420446	3739904	7.04E-09	1.75E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-09	1.75E-08	0.00E+00	0.00E+00	2.46E-08	8.85E-10	1.72E-09	0.00E+00	0.00E+00	2.60E-09
267	420449.5	3739912	7.28E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	9.15E-10	1.78E-09	0.00E+00	0.00E+00	2.69E-09
268	420453.1	3739921	7.53E-09	1.88E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.88E-08	0.00E+00	0.00E+00	2.63E-08	9.47E-10	1.84E-09	0.00E+00	0.00E+00	2.78E-09
269	420456.7	3739929	7.80E-09	1.94E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-09	1.94E-08	0.00E+00	0.00E+00	2.72E-08	9.81E-10	1.90E-09	0.00E+00	0.00E+00	2.88E-09
270	420460.3	3739938	8.08E-09	2.01E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-09	2.01E-08	0.00E+00	0.00E+00	2.82E-08	1.02E-09	1.97E-09	0.00E+00	0.00E+00	2.99E-09
271	420463.9	3739946	8.38E-09	2.09E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-09	2.09E-08	0.00E+00	0.00E+00	2.93E-08	1.05E-09	2.04E-09	0.00E+00	0.00E+00	3.10E-09
272	420467.5	3739955	8.69E-09	2.17E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-09	2.17E-08	0.00E+00	0.00E+00	3.03E-08	1.09E-09	2.12E-09	0.00E+00	0.00E+00	3.21E-09
273	420471.1	3739963	9.01E-09	2.25E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-09	2.25E-08	0.00E+00	0.00E+00	3.15E-08	1.13E-09	2.20E-09	0.00E+00	0.00E+00	3.33E-09
274	420481.8	3739989	1.00E-08	2.50E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	2.50E-08	0.00E+00	0.00E+00	3.51E-08	1.26E-09	2.45E-09	0.00E+00	0.00E+00	3.71E-09
275	420485.4	3739998	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	1.31E-09	2.54E-09	0.00E+00	0.00E+00	3.85E-09
276	420463	3739896	6.41E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	8.06E-10	1.56E-09	0.00E+00	0.00E+00	2.37E-09
277	420470.1	3739913	6.82E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	8.58E-10	1.67E-09	0.00E+00	0.00E+00	2.52E-09
278	420473.6	3739922	7.05E-09	1.76E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.76E-08	0.00E+00	0.00E+00	2.46E-08	8.87E-10	1.72E-09	0.00E+00	0.00E+00	2.61E-09
279	420477.2	3739930	7.29E-09	1.82E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-09	1.82E-08	0.00E+00	0.00E+00	2.54E-08	9.16E-10	1.78E-09	0.00E+00	0.00E+00	2.69E-09
280	420480.7	3739939	7.54E-09	1.88E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-09	1.88E-08	0.00E+00	0.00E+00	2.63E-08	9.48E-10	1.84E-09	0.00E+00	0.00E+00	2.79E-09
281	420487.8	3739956	8.07E-09	2.01E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	2.01E-08	0.00E+00	0.00E+00	2.82E-08	1.01E-09	1.97E-09	0.00E+00	0.00E+00	2.98E-09
282	420505.5	3739998	9.54E-09	2.38E-08	0.00E+00	0.00E+00	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-09	2.38E-08	0.00E+00	0.00E+00	3.33E-08	1.20E-09	2.33E-09	0.00E+00	0.00E+00	3.53E-09
283	420492.2	3739894	5.78E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	7.27E-10	1.41E-09	0.00E+00	0.00E+00	2.14E-09
284	420495.8	3739903	5.95E-09	1.48E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-09	1.48E-08	0.00E+00	0.00E+00	2.08E-08	7.48E-10	1.45E-09	0.00E+00	0.00E+00	2.20E-09
285	420499.4	3739911	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	7.71E-10	1.50E-09	0.00E+00	0.00E+00	2.27E-09
286	420503	3739920	6.32E-09	1.58E-08	0.00E+00	0.00E+00	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-09	1.58E-08	0.00E+00	0.00E+00	2.21E-08	7.95E-10	1.54E-09	0.00E+00	0.00E+00	2.34E-09
287	420506.6	3739929	6.53E-09	1.63E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.63E-08	0.00E+00	0.00E+00	2.28E-08	8.21E-10	1.59E-09	0.00E+00	0.00E+00	2.41E-09
288	420510.2	3739937	6.75E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	8.48E-10	1.65E-09	0.00E+00	0.00E+00	2.49E-09
289	420524.6	3739972	7.68E-09	1.91E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-09	1.91E-08	0.00E+00	0.00E+00	2.68E-08	9.66E-10	1.87E-09	0.00E+00	0.00E+00	2.84E-09
290	420528.2	3739980	7.93E-09	1.98E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-09	1.98E-08	0.00E+00	0.00E+00	2.77E-08	9.97E-10	1.93E-09	0.00E+00	0.00E+00	2.93E-09
291	420531.8	3739989	8.18E-09	2.04E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-09	2.04E-08	0.00E+00	0.00E+00	2.86E-08	1.03E-09	2.00E-09	0.00E+00	0.00E+00	3.02E-09
292	420535.4	3739997	8.43E-09	2.10E-08	0.00E+00	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-09	2.10E-08	0.00E+00	0.00E+00	2.94E-08	1.06E-09	2.06E-09	0.00E+00	0.00E+00	3.12E-09
293	420498.3	3739837	4.44E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	5.58E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
294	420501.8	3739845	4.55E-09	1.13E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	1.13E-08	0.00E+00	0.00E+00	1.59E-08	5.72E-10	1.11E-09	0.00E+00	0.00E+00	1.68E-09
295	420505.4	3739854	4.66E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	5.86E-10	1.14E-09	0.00E+00	0.00E+00	1.72E-09
296	420512.4	3739871	4.90E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	6.16E-10	1.20E-09	0.00E+00	0.00E+00	1.81E-09
297	420516	3739879	5.03E-09	1.25E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	1.25E-08	0.00E+00	0.00E+00	1.76E-08	6.33E-10	1.23E-09	0.00E+00	0.00E+00	1.86E-09
298	420519.5	3739888	5.17E-09	1.29E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-09	1.29E-08	0.00E+00	0.00E+00	1.80E-08	6.50E-10	1.26E-09	0.00E+00	0.00E+00	1.91E-09
299	420523	3739896	5.31E-09	1.32E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	1.32E-08	0.00E+00	0.00E+00	1.86E-08	6.68E-10	1.30E-09	0.00E+00	0.00E+00	1.96E-09
300	420530.1	3739913	5.62E-09	1.40E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.40E-08	0.00E+00	0.00E+00	1.96E-08	7.07E-10	1.37E-09	0.00E+00	0.00E+00	2.08E-09
301	420547.8	3739955	6.51E-09	1.62E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-09	1.62E-08	0.00E+00	0.00E+00	2.27E-08	8.19E-10	1.59E-09	0.00E+00	0.00E+00	2.41E-09
302	420551.3	3739964	6.70E-09	1.67E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-09	1.67E-08	0.00E+00	0.00E+00	2.34E-08	8.43E-10	1.64E-09	0.00E+00	0.00E+00	2.48E-09
303	420554.9	3739972	6.90E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	8.68E-10	1.68E-09	0.00E+00	0.00E+00	2.55E-09
304	420561.9	3739989	7.30E-09	1.82E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.82E-08	0.00E+00	0.00E+00	2.55E-08	9.18E-10	1.78E-09	0.00E+00	0.00E+00	2.70E-09
305	420565.5	3739997	7.50E-09	1.87E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-09	1.87E-08	0.00E+00	0.00E+00	2.62E-08	9.43E-10	1.83E-09	0.00E+00	0.00E+00	2.77E-09
306	420509.2	3739791	3.67E-09	9.14E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	9.14E-09	0.00E+00	0.00E+00	1.28E-08	4.61E-10	8.95E-10	0.00E+00	0.00E+00	1.36E-09
307	420512.8	3739800	3.74E-09	9.33E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	9.33E-09	0.00E+00	0.00E+00	1.31E-08	4.71E-10	9.13E-10	0.00E+00	0.00E+00	1.38E-09
308	420516.4	3739808	3.82E-09	9.52E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	9.52E-09	0.00E+00	0.00E+00	1.33E-08	4.80E-10	9.32E-10	0.00E+00	0.00E+00	1.41E-09
309	420520	3739817	3.90E-09	9.72E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	9.72E-09	0.00E+00	0.00E+00	1.36E-08	4.91E-10	9.52E-10	0.00E+00	0.00E+00	1.44E-09
310	420523.6	3739826	3.99E-09	9.94E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	9.94E-09	0.00E+00	0.00E+00	1.39E-08	5.01E-10	9.73E-10	0.00E+00	0.00E+00	1.47E-09
311	420527.2	3739834	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.42E-08	5.13E-10	9.95E-10	0.00E+00	0.00E+00	1.51E-09
312	420530.8	3739843	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.25E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
313	420534.4	3739851	4.27E-09	1.07E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	1.07E-08	0.00E+00	0.00E+00	1.49E-08	5.38E-10	1.04E-09	0.00E+00	0.00E+00	1.58E-09
314	420538	3739860	4.38E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	5.51E-10	1.07E-09	0.00E+00	0.00E+00	1.62E-09
315	420541.5	3739869	4.49E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	5.65E-10	1.10E-09	0.00E+00	0.00E+00	1.66E-09
316	420545.1	3739877	4.61E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	5.80E-10	1.12E-09	0.00E+00	0.00E+00	1.70E-09
317	420548.7	3739886	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	5.95E-10	1.15E-09	0.00E+00	0.00E+00	1.75E-09
318	420552.3	3739894	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	6.11E-10	1.19E-09	0.00E+00	0.00E+00	1.80E-09
319	420570.3	3739937	5.57E-09	1.39E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.39E-08	0.00E+00	0.00E+00	1.94E-08	7.00E-10	1.36E-09	0.00E+00	0.00E+00	2.06E-09
320	420573.9	3739946	5.72E-09	1.43E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.43E-08	0.00E+00	0.00E+00	2.00E-08	7.19E-10	1.40E-09	0.00E+00	0.00E+00	2.12E-09
321	420577.5	3739954	5.88E-09	1.47E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.47E-08	0.00E+00	0.00E+00	2.05E-08	7.39E-10	1.43E-09	0.00E+00	0.00E+00	2.17E-09
322	420581	3739963	6.04E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	7.60E-10	1.47E-09	0.00E+00	0.00E+00	2.23E-09
323	420584.6	3739971	6.20E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	7.80E-10	1.51E-09	0.00E+00	0.00E+00	2.29E-09
324	420588.2	3739980	6.17E-09	1.54E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09	1.54E-08	0.00E+00	0.00E+00	2.15E-08	7.76E-10	1.51E-09	0.00E+00	0.00E+00	2.28E-09
325	420591.8	3739989	6.54E-09	1.63E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-09	1.63E-08	0.00E+00	0.00E+00	2.28E-08	8.23E-10	1.60E-09	0.00E+00	0.00E+00	2.42E-09
326	420595.4	3739997	6.72E-09	1.67E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.67E-08	0.00E+00	0.00E+00	2.35E-08	8.45E-10	1.64E-09	0.00E+00	0.00E+00	2.48E-09
327	420537.1	3739786	3.37E-09	8.40E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	8.40E-09	0.00E+00	0.00E+00	1.18E-08	4.24E-10	8.22E-10	0.00E+00	0.00E+00	1.25E-09
328	420540.6	3739794	3.43E-09	8.56E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	8.56E-09	0.00E+00	0.00E+00	1.20E-08	4.32E-10	8.38E-10	0.00E+00	0.00E+00	1.27E-09
329	420544.1	3739803	3.50E-09	8.73E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	8.73E-09	0.00E+00	0.00E+00	1.22E-08	4.41E-10	8.55E-10	0.00E+00	0.00E+00	1.30E-09
330	420551.2	3739820	3.65E-09	9.10E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	9.10E-09	0.00E+00	0.00E+00	1.27E-08	4.59E-10	8.91E-10	0.00E+00	0.00E+00	1.35E-09
331	420554.8	3739828	3.73E-09	9.30E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	9.30E-09	0.00E+00	0.00E+00	1.30E-08	4.69E-10	9.10E-10	0.00E+00	0.00E+00	1.38E-09
332	420558.3	3739837	3.81E-09	9.50E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	9.50E-09	0.00E+00	0.00E+00	1.33E-08	4.80E-10	9.31E-10	0.00E+00	0.00E+00	1.41E-09
333	420561.8

508	420048.9	374008.3	1.45E-07	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	3.61E-07	1.45E-07	3.84E-07	0.00E+00	0.00E+00	5.39E-07
507	420048.8	374007.4	1.54E-07	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	3.84E-07	1.54E-07	3.96E-08	0.00E+00	0.00E+00	5.67E-07
506	420048.8	374006.4	1.62E-07	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	4.05E-07	1.62E-07	4.09E-08	0.00E+00	0.00E+00	5.85E-07
505	420048.7	374005.5	1.67E-07	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-07	0.00E+00	0.00E+00	4.17E-07	1.67E-07	4.24E-07	0.00E+00	0.00E+00	6.02E-07
504	420048.7	374004.5	1.64E-07	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	4.09E-07	1.64E-07	4.17E-07	0.00E+00	0.00E+00	5.85E-07
503	420048.6	374003.6	1.58E-07	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-07	0.00E+00	0.00E+00	3.93E-07	1.58E-07	4.00E-07	0.00E+00	0.00E+00	5.73E-07
502	420048.6	374002.7	1.48E-07	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	3.70E-07	1.48E-07	3.77E-07	0.00E+00	0.00E+00	5.39E-07
501	420048.5	374001.7	1.37E-07	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	3.40E-07	1.37E-07	3.48E-07	0.00E+00	0.00E+00	4.95E-07
500	420051.4	374000.1	1.21E-07	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	3.02E-07	1.21E-07	3.09E-07	0.00E+00	0.00E+00	4.40E-07
499	420059.1	374012.1	1.20E-07	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	2.99E-07	1.20E-07	3.06E-07	0.00E+00	0.00E+00	4.28E-07
498	420059	374011.1	1.38E-07	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	3.45E-07	1.38E-07	3.52E-07	0.00E+00	0.00E+00	4.91E-07
497	420059	374010.2	1.56E-07	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-07	0.00E+00	0.00E+00	3.88E-07	1.56E-07	3.80E-08	0.00E+00	0.00E+00	5.76E-08
496	420058.9	374009.2	1.74E-07	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	4.34E-07	1.74E-07	4.25E-08	0.00E+00	0.00E+00	6.44E-08
495	420058.9	374008.3	1.91E-07	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	0.00E+00	0.00E+00	4.76E-07	1.91E-07	4.66E-08	0.00E+00	0.00E+00	7.07E-08
494	420058.8	374007.4	2.04E-07	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-07	0.00E+00	0.00E+00	5.09E-07	2.04E-07	4.98E-08	0.00E+00	0.00E+00	7.55E-08
493	420058.8	374006.4	2.19E-07	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-07	0.00E+00	0.00E+00	5.45E-07	2.19E-07	5.34E-08	0.00E+00	0.00E+00	8.09E-08
492	420058.7	374005.5	2.27E-07	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-07	0.00E+00	0.00E+00	5.66E-07	2.27E-07	5.54E-08	0.00E+00	0.00E+00	8.40E-08
491	420058.7	374004.5	2.23E-07	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	5.55E-07	2.23E-07	5.43E-08	0.00E+00	0.00E+00	8.23E-08
490	420058.6	374003.6	2.13E-07	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	5.31E-07	2.13E-07	5.20E-08	0.00E+00	0.00E+00	7.88E-08
489	420058.6	374002.7	1.99E-07	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-07	0.00E+00	0.00E+00	4.96E-07	1.99E-07	4.86E-08	0.00E+00	0.00E+00	7.36E-08
488	420058.5	374001.7	1.80E-07	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-07	0.00E+00	0.00E+00	4.48E-07	1.80E-07	4.39E-08	0.00E+00	0.00E+00	6.65E-08
487	420058.5	374000.8	1.58E-07	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	3.93E-07	1.58E-07	3.85E-08	0.00E+00	0.00E+00	5.83E-08
486	420805.4	373999.6	1.68E-09	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	9.17E-09	1.28E-09	8.98E-10	0.00E+00	0.00E+00	1.36E-09
485	420801.8	373998.8	3.62E-09	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	9.01E-09	3.62E-09	8.82E-10	0.00E+00	0.00E+00	1.34E-09
484	420798.2	373997.9	3.55E-09	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	8.85E-09	3.55E-09	8.67E-10	0.00E+00	0.00E+00	1.31E-09
483	420726	373980.7	2.43E-09	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	6.06E-09	2.43E-09	5.94E-10	0.00E+00	0.00E+00	9.00E-10
482	420722.4	373979.8	2.39E-09	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-09	0.00E+00	0.00E+00	5.96E-09	2.39E-09	5.84E-10	0.00E+00	0.00E+00	8.84E-10
481	420718.8	373978.9	2.35E-09	5.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	5.86E-09	2.35E-09	5.74E-10	0.00E+00	0.00E+00	8.69E-10
480	420715.2	373997.8	2.31E-09	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	0.00E+00	0.00E+00	5.76E-09	2.31E-09	5.64E-10	0.00E+00	0.00E+00	8.55E-10
479	420606.3	373957.2	1.75E-09	4.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	4.36E-09	1.75E-09	4.27E-10	0.00E+00	0.00E+00	6.47E-10
478	420775.4	373999.6	3.96E-09	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	9.87E-09	3.96E-09	9.67E-10	0.00E+00	0.00E+00	1.46E-09
477	420771.9	373998.8	3.89E-09	9.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	9.69E-09	3.89E-09	9.49E-10	0.00E+00	0.00E+00	1.44E-09
476	420768.3	373997.9	3.82E-09	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	9.52E-09	3.82E-09	9.32E-10	0.00E+00	0.00E+00	1.41E-09
475	420725.4	373987.7	3.01E-09	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	7.50E-09	3.01E-09	7.35E-10	0.00E+00	0.00E+00	1.11E-09
474	420721.8	373986.8	2.95E-09	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	7.36E-09	2.95E-09	7.20E-10	0.00E+00	0.00E+00	1.09E-09
473	420718.3	373986.0	2.89E-09	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	7.21E-09	2.89E-09	7.06E-10	0.00E+00	0.00E+00	1.07E-09
472	420714.7	373985.1	2.84E-09	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-09	0.00E+00	0.00E+00	7.08E-09	2.84E-09	6.93E-10	0.00E+00	0.00E+00	1.05E-09
471	420711.1	373984.3	2.79E-09	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	6.94E-09	2.79E-09	6.80E-10	0.00E+00	0.00E+00	1.03E-09
470	420707.5	373983.4	2.73E-09	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	6.81E-09	2.73E-09	6.67E-10	0.00E+00	0.00E+00	1.01E-09
469	420704	373982.6	2.68E-09	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	6.69E-09	2.68E-09	6.55E-10	0.00E+00	0.00E+00	9.92E-10
468	420700.4	373981.7	2.63E-09	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	6.57E-09	2.63E-09	6.43E-10	0.00E+00	0.00E+00	9.74E-10
467	420696.8	373980.9	2.59E-09	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-09	0.00E+00	0.00E+00	6.45E-09	2.59E-09	6.32E-10	0.00E+00	0.00E+00	9.57E-10
466	420693.2	373980.0	2.54E-09	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	6.34E-09	2.54E-09	6.20E-10	0.00E+00	0.00E+00	9.40E-10
465	420689.7	373979.1	2.50E-09	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	6.22E-09	2.50E-09	6.10E-10	0.00E+00	0.00E+00	9.24E-10
464	420686.1	373978.3	2.45E-09	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-09	0.00E+00	0.00E+00	6.12E-09	2.45E-09	5.99E-10	0.00E+00	0.00E+00	9.08E-10
463	420602.5	373960.0	1.86E-09	4.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-09	0.00E+00	0.00E+00	4.64E-09	1.86E-09	4.54E-10	0.00E+00	0.00E+00	6.88E-10
462	420594	373959.7	1.88E-09	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	4.68E-09	1.88E-09	4.58E-10	0.00E+00	0.00E+00	6.94E-10
461	420585.4	373959.3	1.89E-09	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	4.72E-09	1.89E-09	4.62E-10	0.00E+00	0.00E+00	7.00E-10
460	420576.8	373959.0	1.91E-09	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-09	0.00E+00	0.00E+00	4.76E-09	1.91E-09	4.66E-10	0.00E+00	0.00E+00	7.06E-10
459	420568.3	373958.6	1.93E-09	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	4.80E-09	1.93E-09	4.70E-10	0.00E+00	0.00E+00	7.13E-10
458	420559.7	373958.2	1.95E-09	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-09	0.00E+00	0.00E+00	4.85E-09	1.95E-09	4.75E-10	0.00E+00	0.00E+00	7.20E-10
457	420551.2	373957.9	1.96E-09	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	4.90E-09	1.96E-09	4.80E-10	0.00E+00	0.00E+00	7.27E-10
456	420542.6	373957.5	1.98E-09	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	4.95E-09	1.98E-09	4.84E-10	0.00E+00	0.00E+00	7.34E-10
455	420534.1	373957.2	2.00E-09	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	4.99E-09	2.00E-09	4.89E-10	0.00E+00	0.00E+00	7.41E-10
454	420745.4	373999.6	4.28E-09	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	1.07E-08	4.28E-09	1.04E-09	0.00E+00	0.00E+00	1.58E-09
453	420741.8	373998.8	4.08E-09	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	1.02E-08	4.08E-09	9.97E-10	0.00E+00	0.00E+00	1.51E-09
452	420738.2	373997.9	3.99E-09	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	9.96E-09	3.99E-09	9.75E-10	0.00E+00	0.00E+00	1.48E-09
451	420727.3	373995.3	3.74E-09	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	9.33E-09	3.74E-09	9.14E-10	0.00E+00	0.00E+00	1.38E-09
450	420723.7	373994.5	3.67E-09	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	9.14E-09	3.67E-09	8.95E-10	0.00E+00	0.00E+00	1.36E-09
449	420720.1	373993.6	3.70E-09	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	9.23E-09	3.70E-09	9.04E-10	0.00E+00	0.00E+00	1.37E-09
448	420716.5	373992.7	3.63E-09	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	9.05E-09	3.63E-09	8.86E-10	0.00E+00	0.00E+00	1.34E-09
447	420712.8	373991.9	3.56E-09	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	8.86E-09	3.56E-09	8.68E-10	0.00E+00	0.00E+00	1.32E-09
446	420709.2	373991.0	3.48E-09	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	8.68E-09	3.48E-09	8.50E-10	0.00E+00	0.00E+00	1.29E-09
445	420705.6	373990.1	3.41E-09	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	8.50E-09	3.41E-09	8.32E-10	0.00E+00	0.00E+00	1.26E-09
444	420702	373989.3	3.34E-09	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	8.32E-09	3.34E-09	8.15E-10	0.00E+00	0.00E+00	1.23E-09
443	420698.4	373988.4	3.27E-09	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	8.15E-09	3.27E-09	7.98E-10	0.00E+00	0.00E+00	1.21E-09
442	420694.8	373987.5	3.20E-09	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	7.98E-09	3.20E-09	7.81E-10	0.00E+00	0.00E+00	1.18E-09
441	420691.1	373986.7	3.14E-09	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	7.82E-09	3.14E-09	7.65E-10	0.00E+00	0.00E+00	1.16E-09
440	420687.5	373985.8	3.07E-09	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	7.66E-09	3.07E-09	7.50E-10	0.00E+00	0.00E+00	1.14E-09
439	420683.9	373985.0	3.01E-09	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	7.50E-09	3.01E-09	7.35E-10	0.00E+00	0.00E+00	1.11E-09
438	420680.3	373984.1	2.95E-09	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	7.36E-09	2.95E-09	7.20E-10	0.00E+00	0.00E+00	1.09E-09
437	420676.7	373983.2	2.89E-09	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	7.21E-09	2.89E-09	7.06E-10	0.00E+00	0.00E+00	1.07E-09
436	420673.1	373982.4	2.84E-09	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	0.00E+00	0.00E+00	7.07E-09	2.84E-09	6.93E-10	0.00E+00	0.00E+00	1.05E-09
435	420669.4	373981.5	2.78E-09	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	6.94E-09	2.78E-09	6.80E-10	0.00E+00	0.00E+00	1.03E-09
434	420665.8	373980.6	2.73E-09	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-09	0.00E+00	0.00E+00	6.81E-09	2.73E-09	6.67E-10	0.00E+00	0.00E+00	1.01E-09
433	420662.2	373979.8	2.68E-09	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	6.69E-09	2.68E-09	6.55E-10	0.00E+00	0.00E+00	9.92E-10
432	420658.6	373978.9	2.63E-09	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	6.57E-09	2.63E-09	6.43E-10	0.00E+00	0.00E+00	9.74E-10
431	420604.4	373965.9	2.10E-09	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	5.22E-09	2.10E-09	5.11E-10	0.00E+00	0.00E+00	7.75E-10
430	420600.7	373965.1	2.07E-09	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	5.16E-09	2.07E-09	5.05E-10	0.00E+00	0.00E+00	7.65E-10
429	420597.1	373964.2	2.05E-09	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	5.10E-09	2.05E-09	4.99E-10	0.00E+00	0.00E+00	7.57E-10
428	420593.5	373963.4	2.02E-09	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	5.05E-09	2.02E-09	4.94E-10	0.00E+00	0.00E+00	7.49E-10
427	420581.2	373962.1	2.02E-09	5.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	5.04E-09	2.02E-09	4.93E-10	0.00E+00	0.00E+00	7.48E-10
426	420572.6	373961.8	2.04E-09	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	5.09E-09	2.04E-09	4.98E-10	0.00E+00	0.00E+00	7.55E-10
425	420563.9	373961.4	2.06E-09	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	5.13E-09	2.06E-09	5.03E-10	0.00E+00	0.00E+00	7.62E-10
424	420555.3	373961.1	2.08E-09	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-09	0.00E+00	0.00E+00	5.18E-09	2.08E-09	5.07E-10	0.00E+00	0.00E+00	7.69E-10
423	420546.6	373960.7	2.10E-09	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	5.23E-09	2.10E-09	5.12E-10	0.00E+00	0.00E+00	7.77E-10
422	420538	373960.3	2.12E-09	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-09	0.00E+00	0.00E+00	5.29E-09	2.12E-09	5.18E-10	0.00E+00	0.00E+00	7.84E-10
421	420529.2	373960.0	2.14E-09	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-09	0.00E+00	0.00E+00	5.34E-09	2.14E-09	5.23E-10	0.00E+00	0.00E+00	7.92E-10
420	420707.5	373983.4	2.73E-09	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	6.81E-09	2.73E-09	6.67E-10	0.00E+00	0.00E+00	1.01E-09
419	420711.8	373998.8	4.40E-09	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	1.10E-08	4.40E-09	1.07E-09	0.00E+00	0.00E+00	1.59E-09
418	420708.3	373999.0	4.30E-09	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	1.07E-08	4.30E-09	1.05E-09	0.00E+00	0.00E+00	1.56E-09
417	420704.7	373997.1	4.21E-09	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	1.05E-08	4.21E-09	1.03E-09	0.00E+00	0.00E+00	1.53E-09
416	420701.1	373996.2	4.13E-09	1.03E-

509	420048.9	3740092	1.34E-07	3.33E-07	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-07	3.33E-07	0.00E+00	0.00E+00	4.67E-07	1.68E-08	3.26E-08	0.00E+00	0.00E+00	4.94E-08
510	420049	3740102	1.22E-07	3.03E-07	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	3.03E-07	0.00E+00	0.00E+00	4.25E-07	1.53E-08	2.97E-08	0.00E+00	0.00E+00	4.50E-08
511	420049	3740111	1.11E-07	2.75E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.75E-07	0.00E+00	0.00E+00	3.86E-07	1.39E-08	2.70E-08	0.00E+00	0.00E+00	4.09E-08
512	420049.1	3740121	9.87E-08	2.46E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-08	2.46E-07	0.00E+00	0.00E+00	3.45E-07	1.24E-08	2.41E-08	0.00E+00	0.00E+00	3.65E-08
513	420041.4	3740001	9.71E-08	2.42E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	2.42E-07	0.00E+00	0.00E+00	3.39E-07	1.22E-08	2.37E-08	0.00E+00	0.00E+00	3.59E-08
514	420054.3	3739984	9.79E-08	2.44E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-08	2.44E-07	0.00E+00	0.00E+00	3.42E-07	1.23E-08	2.39E-08	0.00E+00	0.00E+00	3.62E-08
515	420038.5	3740017	1.07E-07	2.66E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.66E-07	0.00E+00	0.00E+00	3.72E-07	1.34E-08	2.60E-08	0.00E+00	0.00E+00	3.94E-08
516	420038.6	3740027	1.14E-07	2.85E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.85E-07	0.00E+00	0.00E+00	3.99E-07	1.44E-08	2.79E-08	0.00E+00	0.00E+00	4.23E-08
517	420038.6	3740036	1.20E-07	3.00E-07	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	3.00E-07	0.00E+00	0.00E+00	4.20E-07	1.51E-08	2.94E-08	0.00E+00	0.00E+00	4.45E-08
518	420038.7	3740045	1.25E-07	3.11E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	3.11E-07	0.00E+00	0.00E+00	4.35E-07	1.57E-08	3.04E-08	0.00E+00	0.00E+00	4.61E-08
519	420038.7	3740055	1.26E-07	3.13E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-07	3.13E-07	0.00E+00	0.00E+00	4.39E-07	1.58E-08	3.07E-08	0.00E+00	0.00E+00	4.65E-08
520	420038.8	3740064	1.24E-07	3.08E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-07	3.08E-07	0.00E+00	0.00E+00	4.31E-07	1.55E-08	3.01E-08	0.00E+00	0.00E+00	4.57E-08
521	420038.8	3740074	1.19E-07	2.97E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.97E-07	0.00E+00	0.00E+00	4.16E-07	1.50E-08	2.91E-08	0.00E+00	0.00E+00	4.40E-08
522	420038.9	3740083	1.13E-07	2.81E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	2.81E-07	0.00E+00	0.00E+00	3.94E-07	1.42E-08	2.75E-08	0.00E+00	0.00E+00	4.17E-08
523	420038.9	3740092	1.05E-07	2.63E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.63E-07	0.00E+00	0.00E+00	3.68E-07	1.33E-08	2.57E-08	0.00E+00	0.00E+00	3.90E-08
524	420039	3740102	9.76E-08	2.43E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-08	2.43E-07	0.00E+00	0.00E+00	3.41E-07	1.23E-08	2.38E-08	0.00E+00	0.00E+00	3.61E-08
525	420039	3740111	9.04E-08	2.25E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	2.25E-07	0.00E+00	0.00E+00	3.16E-07	1.14E-08	2.21E-08	0.00E+00	0.00E+00	3.34E-08
526	420039.1	3740121	8.26E-08	2.06E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	2.06E-07	0.00E+00	0.00E+00	2.88E-07	1.04E-08	2.01E-08	0.00E+00	0.00E+00	3.05E-08
527	420031.4	3740001	7.88E-08	1.96E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	1.96E-07	0.00E+00	0.00E+00	2.75E-07	9.91E-09	1.92E-08	0.00E+00	0.00E+00	2.91E-08
528	420037.2	3739987	7.69E-08	1.92E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-08	1.92E-07	0.00E+00	0.00E+00	2.69E-07	9.67E-09	1.88E-08	0.00E+00	0.00E+00	2.84E-08
529	420047.2	3739977	7.99E-08	1.99E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.99E-07	0.00E+00	0.00E+00	2.79E-07	1.00E-08	1.95E-08	0.00E+00	0.00E+00	2.95E-08
530	420028.5	3740017	8.41E-08	2.10E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-08	2.10E-07	0.00E+00	0.00E+00	2.94E-07	1.06E-08	2.05E-08	0.00E+00	0.00E+00	3.11E-08
531	420028.6	3740027	8.94E-08	2.23E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-08	2.23E-07	0.00E+00	0.00E+00	3.12E-07	1.12E-08	2.18E-08	0.00E+00	0.00E+00	3.31E-08
532	420028.6	3740036	9.41E-08	2.35E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	2.35E-07	0.00E+00	0.00E+00	3.29E-07	1.18E-08	2.30E-08	0.00E+00	0.00E+00	3.48E-08
533	420028.7	3740046	9.69E-08	2.42E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-08	2.42E-07	0.00E+00	0.00E+00	3.38E-07	1.22E-08	2.36E-08	0.00E+00	0.00E+00	3.58E-08
534	420028.7	3740055	9.78E-08	2.44E-07	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-08	2.44E-07	0.00E+00	0.00E+00	3.41E-07	1.23E-08	2.39E-08	0.00E+00	0.00E+00	3.62E-08
535	420028.8	3740064	9.72E-08	2.42E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-08	2.42E-07	0.00E+00	0.00E+00	3.39E-07	1.22E-08	2.37E-08	0.00E+00	0.00E+00	3.59E-08
536	420028.8	3740074	9.48E-08	2.36E-07	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-08	2.36E-07	0.00E+00	0.00E+00	3.31E-07	1.19E-08	2.31E-08	0.00E+00	0.00E+00	3.51E-08
537	420028.9	3740083	9.07E-08	2.26E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-08	2.26E-07	0.00E+00	0.00E+00	3.17E-07	1.14E-08	2.21E-08	0.00E+00	0.00E+00	3.36E-08
538	420028.9	3740093	8.58E-08	2.14E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-08	2.14E-07	0.00E+00	0.00E+00	2.99E-07	1.08E-08	2.09E-08	0.00E+00	0.00E+00	3.17E-08
539	420029	3740102	8.04E-08	2.00E-07	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-08	2.00E-07	0.00E+00	0.00E+00	2.81E-07	1.01E-08	1.96E-08	0.00E+00	0.00E+00	2.97E-08
540	420029	3740111	7.56E-08	1.89E-07	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-08	1.89E-07	0.00E+00	0.00E+00	2.64E-07	9.51E-09	1.85E-08	0.00E+00	0.00E+00	2.80E-08
541	420029.1	3740121	7.03E-08	1.75E-07	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-08	1.75E-07	0.00E+00	0.00E+00	2.45E-07	8.84E-09	1.72E-08	0.00E+00	0.00E+00	2.60E-08
542	420021.4	3740001	6.58E-08	1.64E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-08	1.64E-07	0.00E+00	0.00E+00	2.30E-07	8.27E-09	1.61E-08	0.00E+00	0.00E+00	2.43E-08
543	420027.2	3739987	6.54E-08	1.63E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	1.63E-07	0.00E+00	0.00E+00	2.28E-07	8.22E-09	1.60E-08	0.00E+00	0.00E+00	2.42E-08
544	420040.1	3739970	6.73E-08	1.68E-07	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-08	1.68E-07	0.00E+00	0.00E+00	2.35E-07	8.46E-09	1.64E-08	0.00E+00	0.00E+00	2.49E-08
545	420054.3	3739964	7.35E-08	1.83E-07	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-08	1.83E-07	0.00E+00	0.00E+00	2.57E-07	9.25E-09	1.79E-08	0.00E+00	0.00E+00	2.72E-08
546	420018.5	3740017	6.89E-08	1.72E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-08	1.72E-07	0.00E+00	0.00E+00	2.41E-07	8.66E-09	1.68E-08	0.00E+00	0.00E+00	2.55E-08
547	420018.6	3740027	7.23E-08	1.80E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-08	1.80E-07	0.00E+00	0.00E+00	2.52E-07	9.09E-09	1.76E-08	0.00E+00	0.00E+00	2.67E-08
548	420018.6	3740036	7.53E-08	1.88E-07	0.00E+00	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-08	1.88E-07	0.00E+00	0.00E+00	2.63E-07	9.47E-09	1.84E-08	0.00E+00	0.00E+00	2.79E-08
549	420018.7	3740046	7.73E-08	1.93E-07	0.00E+00	0.00E+00	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-08	1.93E-07	0.00E+00	0.00E+00	2.70E-07	9.73E-09	1.89E-08	0.00E+00	0.00E+00	2.86E-08
550	420018.7	3740055	7.82E-08	1.95E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.95E-07	0.00E+00	0.00E+00	2.73E-07	9.84E-09	1.91E-08	0.00E+00	0.00E+00	2.89E-08
551	420018.8	3740064	7.82E-08	1.95E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-08	1.95E-07	0.00E+00	0.00E+00	2.73E-07	9.83E-09	1.91E-08	0.00E+00	0.00E+00	2.89E-08
552	420018.8	3740074	7.71E-08	1.92E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-08	1.92E-07	0.00E+00	0.00E+00	2.69E-07	9.70E-09	1.88E-08	0.00E+00	0.00E+00	2.85E-08
553	420018.9	3740083	7.50E-08	1.87E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-08	1.87E-07	0.00E+00	0.00E+00	2.62E-07	9.43E-09	1.83E-08	0.00E+00	0.00E+00	2.77E-08
554	420018.9	3740093	7.21E-08	1.80E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-08	1.80E-07	0.00E+00	0.00E+00	2.52E-07	9.07E-09	1.76E-08	0.00E+00	0.00E+00	2.67E-08
555	420019	3740102	6.87E-08	1.71E-07	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-08	1.71E-07	0.00E+00	0.00E+00	2.40E-07	8.65E-09	1.68E-08	0.00E+00	0.00E+00	2.54E-08
556	420019	3740111	6.52E-08	1.63E-07	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-08	1.63E-07	0.00E+00	0.00E+00	2.28E-07	8.20E-09	1.59E-08	0.00E+00	0.00E+00	2.41E-08
557	420019.1	3740121	6.12E-08	1.53E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-08	1.53E-07	0.00E+00	0.00E+00	2.14E-07	7.70E-09	1.49E-08	0.00E+00	0.00E+00	2.26E-08
558	420011.9	3740000	5.59E-08	1.39E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-08	1.39E-07	0.00E+00	0.00E+00	1.95E-07	7.03E-09	1.36E-08	0.00E+00	0.00E+00	2.07E-08
559	420015.4	3739991	5.63E-08	1.40E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	1.40E-07	0.00E+00	0.00E+00	1.97E-07	7.08E-09	1.37E-08	0.00E+00	0.00E+00	2.08E-08
560	420018.9	3739982	5.62E-08	1.40E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-08	1.40E-07	0.00E+00	0.00E+00	1.96E-07	7.06E-09	1.37E-08	0.00E+00	0.00E+00	2.08E-08
561	420022.4	3739974	5.56E-08	1.39E-07	0.00E+00	0.00E+00	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-08	1.39E-07	0.00E+00	0.00E+00	1.94E-07	6.99E-09	1.36E-08	0.00E+00	0.00E+00	2.06E-08
562	420034.4	3739962	5.84E-08	1.46E-07	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-08	1.46E-07	0.00E+00	0.00E+00	2.04E-07	7.35E-09	1.43E-08	0.00E+00	0.00E+00	2.16E-08
563	420042.9	3739958	6.18E-08	1.54E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.54E-07	0.00E+00	0.00E+00	2.16E-07	7.77E-09	1.51E-08	0.00E+00	0.00E+00	2.29E-08
564	420051.4	3739955	6.42E-08	1.60E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.60E-07	0.00E+00	0.00E+00	2.24E-07	8.08E-09	1.57E-08	0.00E+00	0.00E+00	2.38E-08
565	420059.9	3739951	6.56E-08	1.64E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-08	1.64E-07	0.00E+00	0.00E+00	2.29E-07	8.25E-09	1.60E-08	0.00E+00	0.00E+00	2.43E-08
566	420008.5	3740008	5.51E-08	1.37E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-08	1.37E-07	0.00E+00	0.00E+00	1.93E-07	6.93E-09	1.35E-08	0.00E+00	0.00E+00	2.04E-08
567	420008.5	3740017	5.75E-08	1.43E-07	0.00E+00	0.00E+00	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-08	1.43E-07	0.00E+00	0.00E+00	2.01E-07	7.23E-09	1.40E-08	0.00E+00	0.00E+00	2.13E-08
568	420008.6	3740027	5.98E-08	1.49E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-08	1.49E-07	0.00E+00	0.00E+00	2.09E-07	7.52E-09	1.46E-08	0.00E+00	0.00E+00	2.21E-08
569	420008.6	3740036	6.18E-08	1.54E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	1.54E-07	0.00E+00	0.00E+00	2.16E-07	7.78E-09	1.51E-08	0.00E+00	0.00E+00	2.29E-08
570	420008.7	3740046	6.33E-08	1.58E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-08	1.58E-07	0.00E+00	0.00E+00	2.21E-07	7.96E-09	1.55E-08	0.00E+00	0.00E+00	2.34E-08
571	420008.7	3740055	6.42E-08	1.60E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.60E-07	0.00E+00	0.00E+00	2.24E-07	8.08E-09	1.57E-08	0.00E+00	0.00E+00	2.37E-08
572	420008.8	3740064	6.45E-08	1.61E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-08	1.61E-07	0.00E+00	0.00E+00	2.25E-07	8.12E-09	1.57E-08	0.00E+00	0.00E+00	2.39E-08
573	420008.8	3740074	6.42E-08	1.60E-07	0.00E+00	0.00E+00	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-08	1.60E-07	0.00E+00	0.00E+00	2.24E-07	8.07E-09	1.57E-08	0.00E+00	0.00E+00	2.37E-08
574	420008.9	3740083	6.32E-08	1.57E-07	0.00E+00	0.00E+00	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-08	1.57E-07	0.00E+00	0.00E+00	2.21E-07	7.95E-09	1.54E-08	0.00E+00	0.00E+00	2.34E-08
575	420008.9	3740093	6.16E-08	1.54E-07	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08	1.54E-07	0.00E+00	0.00E+00	2.15E-07	7.75E-09	1.50E-08	0.00E+00	0.00E+00	2.28E-08
576	420009	3740102	5.95E-08	1.48E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.48E-07	0.00E+00	0.00E+00	2.08E-07	7.48E-09	1.45E-08	0.00E+00	0.00E+00	2.20E-08
577	420009	3740111	5.68E-08	1.42E-07	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-08	1.42E-07	0.00E+00	0.00E+00	1.98E-07	7.15E-09	1.39E-08	0.00E+00	0.00E+00	2.10E-08
578	420009.1	3740121	5.38E-08	1.34E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-08	1.34E-07	0.00E+00	0.00E+00	1.88E-07	6.77E-09	1.31E-08	0.00E+00	0.00E+00	1.99E-08
579	420001.9	3740000	4.81E-08	1.20E-07	0.00E+00	0.00E+00	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-08	1.20E-07	0.00E+00	0.00E+00	1.68E-07	6.04E-09	1.17E-08	0.00E+00	0.00E+00	1.78E-08
580	420008.6	3739983	4.89E-08	1.22E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-08	1.22E-07	0.00E+00	0.00E+00	1.71E-07	6.16E-09	1.19E-08	0.00E+00	0.00E+00	1.81E-08
581	420015.4	3739967	4.86E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	6.11E-09	1.18E-08	0.00E+00	0.00E+00	1.80E-08
582	420027.1	3739955	5.09E-08	1.27E-07	0.00E+00	0.00E+00	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-08	1.27E-07	0.00E+00	0.00E+00	1.78E-07	6.40E-09	1.24E-08	0.00E+00	0.00E+00	1.88E-08
583	420043.6	3739948	5.60E-08	1.40E-07	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-08	1.40E-07	0.00E+00	0.00E+00	1.95E-07	7.04E-09	1.37E-08	0.00E+00	0.00E+00	2.07E-08
584	419998.5	3740017	4.89E-08	1.22E-07	0.00E+00	0.00E+00	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-08	1.22E-07	0.00E+00	0.00E+00	1.71E-07	6.14E-09	1.19E-08	0.00E+00	0.00E+00	1.81E-08
585	419998.6	3740027	5.04E-08	1.26E-07	0.00E+00	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-08	1.26E-07	0.00E+00	0.00E+00	1.76E-07	6.34E-09	1.23E-08	0.00E+00	0.00E+00	1.86E-08
586	419998.6	3740036	5.18E-08	1.29E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-08	1.29E-07	0.00E+00	0.00E+00	1.81E-07	6.52E-09	1.26E-08	0.00E+00	0.00E+00	1.92E-08
587	419998.7	3740046	5.30E-08	1.32E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-08	1.32E-07	0.00E+00	0.00E+00	1.85E-07	6.66E-09	1.29E-08	0.00E+00	0.00E+00	1.96E-08
588	419998.7	3740055	5.38E-08	1.34E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-08	1.34E-07	0.00E+00	0.00E+00	1.88E-07	6.77E-09	1.31E-08	0.00E+00	0.00E+00	1.99E-08
589	419998.8	3740

637	420005.4	3739934	3.59E-08	8.95E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-08	8.95E-08	0.00E+00	0.00E+00	1.25E-07	4.52E-09	8.77E-09	0.00E+00	0.00E+00	1.33E-08
638	420021.2	3739927	3.94E-08	9.82E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-08	9.82E-08	0.00E+00	0.00E+00	1.38E-07	4.96E-09	9.62E-09	0.00E+00	0.00E+00	1.46E-08
639	420036.9	3739921	4.19E-08	1.05E-07	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-08	1.05E-07	0.00E+00	0.00E+00	1.46E-07	5.27E-09	1.02E-08	0.00E+00	0.00E+00	1.55E-08
640	420052.7	3739914	4.30E-08	1.07E-07	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-08	1.07E-07	0.00E+00	0.00E+00	1.50E-07	5.40E-09	1.05E-08	0.00E+00	0.00E+00	1.59E-08
641	419968.5	3740018	3.24E-08	8.08E-08	0.00E+00	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-08	8.08E-08	0.00E+00	0.00E+00	1.13E-07	4.08E-09	7.91E-09	0.00E+00	0.00E+00	1.20E-08
642	419968.6	3740027	3.31E-08	8.26E-08	0.00E+00	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-08	8.26E-08	0.00E+00	0.00E+00	1.16E-07	4.17E-09	8.09E-09	0.00E+00	0.00E+00	1.23E-08
643	419968.6	3740036	3.38E-08	8.44E-08	0.00E+00	0.00E+00	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-08	8.44E-08	0.00E+00	0.00E+00	1.18E-07	4.26E-09	8.26E-09	0.00E+00	0.00E+00	1.25E-08
644	419968.7	3740046	3.45E-08	8.59E-08	0.00E+00	0.00E+00	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-08	8.59E-08	0.00E+00	0.00E+00	1.20E-07	4.34E-09	8.41E-09	0.00E+00	0.00E+00	1.28E-08
645	419968.7	3740055	3.50E-08	8.73E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-08	8.73E-08	0.00E+00	0.00E+00	1.22E-07	4.40E-09	8.55E-09	0.00E+00	0.00E+00	1.29E-08
646	419968.8	3740065	3.54E-08	8.83E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-08	8.83E-08	0.00E+00	0.00E+00	1.24E-07	4.46E-09	8.65E-09	0.00E+00	0.00E+00	1.31E-08
647	419968.8	3740074	3.57E-08	8.89E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-08	8.89E-08	0.00E+00	0.00E+00	1.25E-07	4.49E-09	8.71E-09	0.00E+00	0.00E+00	1.32E-08
648	419968.9	3740083	3.58E-08	8.91E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-08	8.91E-08	0.00E+00	0.00E+00	1.25E-07	4.50E-09	8.73E-09	0.00E+00	0.00E+00	1.32E-08
649	419968.9	3740093	3.56E-08	8.88E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-08	8.88E-08	0.00E+00	0.00E+00	1.24E-07	4.48E-09	8.70E-09	0.00E+00	0.00E+00	1.32E-08
650	419969	3740102	3.53E-08	8.80E-08	0.00E+00	0.00E+00	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-08	8.80E-08	0.00E+00	0.00E+00	1.23E-07	4.44E-09	8.61E-09	0.00E+00	0.00E+00	1.31E-08
651	419969	3740112	3.47E-08	8.66E-08	0.00E+00	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-08	8.66E-08	0.00E+00	0.00E+00	1.21E-07	4.37E-09	8.48E-09	0.00E+00	0.00E+00	1.28E-08
652	419969.1	3740121	3.39E-08	8.46E-08	0.00E+00	0.00E+00	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-08	8.46E-08	0.00E+00	0.00E+00	1.19E-07	4.27E-09	8.28E-09	0.00E+00	0.00E+00	1.26E-08
653	419951.9	3740000	2.58E-08	6.44E-08	0.00E+00	0.00E+00	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-08	6.44E-08	0.00E+00	0.00E+00	9.03E-08	3.25E-09	6.31E-09	0.00E+00	0.00E+00	9.56E-09
654	419955.4	3739991	2.64E-08	6.58E-08	0.00E+00	0.00E+00	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-08	6.58E-08	0.00E+00	0.00E+00	9.21E-08	3.32E-09	6.44E-09	0.00E+00	0.00E+00	9.76E-09
655	419958.9	3739983	2.69E-08	6.71E-08	0.00E+00	0.00E+00	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	6.71E-08	0.00E+00	0.00E+00	9.40E-08	3.39E-09	6.57E-09	0.00E+00	0.00E+00	9.96E-09
656	419962.4	3739974	2.74E-08	6.82E-08	0.00E+00	0.00E+00	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-08	6.82E-08	0.00E+00	0.00E+00	9.56E-08	3.44E-09	6.68E-09	0.00E+00	0.00E+00	1.01E-08
657	419965.9	3739966	2.77E-08	6.90E-08	0.00E+00	0.00E+00	9.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-08	6.90E-08	0.00E+00	0.00E+00	9.67E-08	3.48E-09	6.76E-09	0.00E+00	0.00E+00	1.02E-08
658	419969.4	3739957	2.79E-08	6.95E-08	0.00E+00	0.00E+00	9.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	6.95E-08	0.00E+00	0.00E+00	9.74E-08	3.51E-09	6.81E-09	0.00E+00	0.00E+00	1.03E-08
659	419972.9	3739949	2.80E-08	6.98E-08	0.00E+00	0.00E+00	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	6.98E-08	0.00E+00	0.00E+00	9.79E-08	3.52E-09	6.84E-09	0.00E+00	0.00E+00	1.04E-08
660	419976.4	3739940	2.82E-08	7.02E-08	0.00E+00	0.00E+00	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	7.02E-08	0.00E+00	0.00E+00	9.84E-08	3.54E-09	6.88E-09	0.00E+00	0.00E+00	1.04E-08
661	419979.9	3739932	2.82E-08	7.03E-08	0.00E+00	0.00E+00	9.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	7.03E-08	0.00E+00	0.00E+00	9.85E-08	3.55E-09	6.88E-09	0.00E+00	0.00E+00	1.04E-08
662	419991.9	3739920	2.96E-08	7.38E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-08	7.38E-08	0.00E+00	0.00E+00	1.03E-07	3.72E-09	7.23E-09	0.00E+00	0.00E+00	1.09E-08
663	420000.4	3739916	3.11E-08	7.75E-08	0.00E+00	0.00E+00	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-08	7.75E-08	0.00E+00	0.00E+00	1.09E-07	3.91E-09	7.59E-09	0.00E+00	0.00E+00	1.15E-08
664	420008.9	3739912	3.25E-08	8.11E-08	0.00E+00	0.00E+00	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-08	8.11E-08	0.00E+00	0.00E+00	1.14E-07	4.09E-09	7.94E-09	0.00E+00	0.00E+00	1.20E-08
665	420017.4	3739909	3.37E-08	8.41E-08	0.00E+00	0.00E+00	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-08	8.41E-08	0.00E+00	0.00E+00	1.18E-07	4.24E-09	8.24E-09	0.00E+00	0.00E+00	1.25E-08
666	420025.9	3739905	3.47E-08	8.65E-08	0.00E+00	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-08	8.65E-08	0.00E+00	0.00E+00	1.21E-07	4.37E-09	8.47E-09	0.00E+00	0.00E+00	1.28E-08
667	419948.5	3740008	2.53E-08	6.31E-08	0.00E+00	0.00E+00	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-08	6.31E-08	0.00E+00	0.00E+00	8.84E-08	3.18E-09	6.18E-09	0.00E+00	0.00E+00	9.37E-09
668	419948.5	3740018	2.59E-08	6.45E-08	0.00E+00	0.00E+00	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	6.45E-08	0.00E+00	0.00E+00	9.04E-08	3.26E-09	6.32E-09	0.00E+00	0.00E+00	9.57E-09
669	419948.6	3740027	2.65E-08	6.60E-08	0.00E+00	0.00E+00	9.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-08	6.60E-08	0.00E+00	0.00E+00	9.24E-08	3.33E-09	6.46E-09	0.00E+00	0.00E+00	9.79E-09
670	419948.6	3740037	2.70E-08	6.74E-08	0.00E+00	0.00E+00	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-08	6.74E-08	0.00E+00	0.00E+00	9.45E-08	3.40E-09	6.60E-09	0.00E+00	0.00E+00	1.00E-08
671	419948.7	3740046	2.75E-08	6.86E-08	0.00E+00	0.00E+00	9.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-08	6.86E-08	0.00E+00	0.00E+00	9.62E-08	3.46E-09	6.72E-09	0.00E+00	0.00E+00	1.02E-08
672	419948.7	3740055	2.80E-08	6.97E-08	0.00E+00	0.00E+00	9.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	6.97E-08	0.00E+00	0.00E+00	9.76E-08	3.52E-09	6.82E-09	0.00E+00	0.00E+00	1.03E-08
673	419948.8	3740065	2.83E-08	7.05E-08	0.00E+00	0.00E+00	9.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-08	7.05E-08	0.00E+00	0.00E+00	9.88E-08	3.56E-09	6.91E-09	0.00E+00	0.00E+00	1.05E-08
674	419948.8	3740074	2.86E-08	7.13E-08	0.00E+00	0.00E+00	9.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-08	7.13E-08	0.00E+00	0.00E+00	9.99E-08	3.60E-09	6.98E-09	0.00E+00	0.00E+00	1.06E-08
675	419948.9	3740084	2.88E-08	7.19E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-08	7.19E-08	0.00E+00	0.00E+00	1.01E-07	3.63E-09	7.04E-09	0.00E+00	0.00E+00	1.07E-08
676	419948.9	3740093	2.89E-08	7.21E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-08	7.21E-08	0.00E+00	0.00E+00	1.01E-07	3.64E-09	7.06E-09	0.00E+00	0.00E+00	1.07E-08
677	419931.9	3740000	2.13E-08	5.31E-08	0.00E+00	0.00E+00	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	5.31E-08	0.00E+00	0.00E+00	7.44E-08	2.68E-09	5.20E-09	0.00E+00	0.00E+00	7.88E-09
678	419938.6	3739984	2.19E-08	5.45E-08	0.00E+00	0.00E+00	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	5.45E-08	0.00E+00	0.00E+00	7.64E-08	2.75E-09	5.34E-09	0.00E+00	0.00E+00	8.09E-09
679	419945.4	3739967	2.26E-08	5.64E-08	0.00E+00	0.00E+00	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	5.64E-08	0.00E+00	0.00E+00	7.91E-08	2.85E-09	5.53E-09	0.00E+00	0.00E+00	8.37E-09
680	419952.2	3739950	2.32E-08	5.79E-08	0.00E+00	0.00E+00	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	5.79E-08	0.00E+00	0.00E+00	8.11E-08	2.92E-09	5.67E-09	0.00E+00	0.00E+00	8.59E-09
681	419959	3739934	2.36E-08	5.88E-08	0.00E+00	0.00E+00	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	5.88E-08	0.00E+00	0.00E+00	8.24E-08	2.97E-09	5.76E-09	0.00E+00	0.00E+00	8.73E-09
682	419965.8	3739917	2.37E-08	5.91E-08	0.00E+00	0.00E+00	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	5.91E-08	0.00E+00	0.00E+00	8.29E-08	2.98E-09	5.79E-09	0.00E+00	0.00E+00	8.78E-09
683	419977.5	3739906	2.48E-08	6.19E-08	0.00E+00	0.00E+00	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	6.19E-08	0.00E+00	0.00E+00	8.67E-08	3.12E-09	6.06E-09	0.00E+00	0.00E+00	9.18E-09
684	419928.5	3740018	2.15E-08	5.36E-08	0.00E+00	0.00E+00	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	5.36E-08	0.00E+00	0.00E+00	7.51E-08	2.70E-09	5.25E-09	0.00E+00	0.00E+00	7.95E-09
685	419928.6	3740027	2.19E-08	5.46E-08	0.00E+00	0.00E+00	7.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	5.46E-08	0.00E+00	0.00E+00	7.65E-08	2.76E-09	5.35E-09	0.00E+00	0.00E+00	8.11E-09
686	419928.6	3740037	2.23E-08	5.57E-08	0.00E+00	0.00E+00	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	5.57E-08	0.00E+00	0.00E+00	7.80E-08	2.81E-09	5.45E-09	0.00E+00	0.00E+00	8.26E-09
687	419928.7	3740046	2.27E-08	5.66E-08	0.00E+00	0.00E+00	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	5.66E-08	0.00E+00	0.00E+00	7.93E-08	2.86E-09	5.54E-09	0.00E+00	0.00E+00	8.40E-09
688	419928.7	3740055	2.31E-08	5.75E-08	0.00E+00	0.00E+00	8.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	5.75E-08	0.00E+00	0.00E+00	8.06E-08	2.90E-09	5.63E-09	0.00E+00	0.00E+00	8.53E-09
689	419928.8	3740065	2.34E-08	5.83E-08	0.00E+00	0.00E+00	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	5.83E-08	0.00E+00	0.00E+00	8.17E-08	2.94E-09	5.71E-09	0.00E+00	0.00E+00	8.65E-09
690	419928.8	3740074	2.37E-08	5.90E-08	0.00E+00	0.00E+00	8.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	5.90E-08	0.00E+00	0.00E+00	8.26E-08	2.98E-09	5.78E-09	0.00E+00	0.00E+00	8.75E-09
691	419928.9	3740084	2.39E-08	5.95E-08	0.00E+00	0.00E+00	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-08	5.95E-08	0.00E+00	0.00E+00	8.34E-08	3.00E-09	5.83E-09	0.00E+00	0.00E+00	8.83E-09
692	419928.9	3740093	2.40E-08	5.98E-08	0.00E+00	0.00E+00	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-08	5.98E-08	0.00E+00	0.00E+00	8.38E-08	3.02E-09	5.86E-09	0.00E+00	0.00E+00	8.88E-09
693	419911.8	3740000	1.81E-08	4.52E-08	0.00E+00	0.00E+00	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	4.52E-08	0.00E+00	0.00E+00	6.33E-08	2.28E-09	4.42E-09	0.00E+00	0.00E+00	6.71E-09
694	419918.4	3739984	1.84E-08	4.59E-08	0.00E+00	0.00E+00	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	4.59E-08	0.00E+00	0.00E+00	6.44E-08	2.32E-09	4.50E-09	0.00E+00	0.00E+00	6.82E-09
695	419925.1	3739968	1.90E-08	4.73E-08	0.00E+00	0.00E+00	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	4.73E-08	0.00E+00	0.00E+00	6.62E-08	2.38E-09	4.63E-09	0.00E+00	0.00E+00	7.01E-09
696	419931.7	3739952	1.95E-08	4.86E-08	0.00E+00	0.00E+00	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	4.86E-08	0.00E+00	0.00E+00	6.82E-08	2.45E-09	4.76E-09	0.00E+00	0.00E+00	7.22E-09
697	419938.4	3739935	1.99E-08	4.96E-08	0.00E+00	0.00E+00	6.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	4.96E-08	0.00E+00	0.00E+00	6.95E-08	2.50E-09	4.85E-09	0.00E+00	0.00E+00	7.36E-09
698	419945	3739919	2.01E-08	5.02E-08	0.00E+00	0.00E+00	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	5.02E-08	0.00E+00	0.00E+00	7.03E-08	2.53E-09	4.92E-09	0.00E+00	0.00E+00	7.45E-09
699	419908.5	3740018	1.83E-08	4.56E-08	0.00E+00	0.00E+00	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	4.56E-08	0.00E+00	0.00E+00	6.39E-08	2.30E-09	4.46E-09	0.00E+00	0.00E+00	6.76E-09
700	419908.6	3740027	1.86E-08	4.63E-08	0.00E+00	0.00E+00	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	4.63E-08	0.00E+00	0.00E+00	6.49E-08	2.34E-09	4.53E-09	0.00E+00	0.00E+00	6.87E-09
701	419908.6	3740037	1.89E-08	4.70E-08	0.00E+00	0.00E+00	6.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	4.70E-08	0.00E+00	0.00E+00	6.59E-08	2.37E-09	4.60E-09	0.00E+00	0.00E+00	6.98E-09
702	419908.7	3740046	1.92E-08	4.78E-08	0.00E+00	0.00E+00	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	4.78E-08	0.00E+00	0.00E+00	6.70E-08	2.41E-09	4.68E-09	0.00E+00	0.00E+00	7.09E-09
703	419908.7	3740056	1.95E-08	4.85E-08	0.00E+00	0.00E+00	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	4.85E-08	0.00E+00	0.00E+00	6.80E-08	2.45E-09	4.75E-09	0.00E+00	0.00E+00	7.20E-09
704	419908.8	3740065	1.98E-08	4.92E-08	0.00E+00	0.00E+00	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	4.92E-08	0.00E+00	0.00E+00	6.90E-08	2.48E-09	4.82E-09	0.00E+00	0.00E+00	7.31E-09
705	419908.8	3740074	2.00E-08	4.98E-08	0.00E+00	0.00E+00	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	4.98E-08	0.00E+00	0.00E+00	6.98E-08	2.51E-09	4.88E-09	0.00E+00	0.00E+00	7.39E-09
706	419908.9	3740084	2.01E-08	5.02E-08	0.00E+00	0.00E+00	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	5.02E-08	0.00E+00	0.00E+00	7.03E-08	2.53E-09	4.91E-09	0.00E+00	0.00E+00	7.45E-09
707	419908.9	3740093	2.02E-08	5.04E-08	0.00E+00	0.00E+00	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	5.04E-08	0.00E+00	0.00E+00	7.07E-08	2.55E-09	4.94E-09	0.00E+00	0.00E+00	7.49E-09
708	419909	3740103	2.03E-08	5.05E-08	0.00E+00	0.00E+00	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	5.05E-08	0.00E+00	0.00E+00	7.08E-08	2.55E-09	4.95E-09	0.00E+00	0.00E+00	7.50E-09
709	419909.1	3740121	2.00E-08	5.00E-08	0.00E+00	0.00E+00	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	5.00E-08	0.00E+00	0.00E+00	7.00E-08	2.52E-09	4.89E-09	0.00E+00	0.00E+00	7.41E-09
710	419891.9	3740000	1.56E-08	3.89E-08	0.00E+00	0.00E+00	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	3.89E-08	0.00E+00	0.00E+00	5.46E-08	1.96E-09	3.81E-09	0.00E+00	0.00E+00	5.78E-09
711	419895.4	3739992	1.58E-08	3.93E-08	0.00E+00	0.00E+00	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	3.93E-08	0.00E+00	0.00E+00	5.51E-08	1.98E-09	3.85E-09	0.00E+00	0.00E+00	5.83E-09
712	419898.9	3739983	1.59E-08	3.96E-08	0.00E+00	0.00E+00	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	3.96E-08	0.00E+00	0.00E+00	5.55E-08	2.00E-09	3.88E-09	0.00E+00	0.00E+00	5.88E-09
713	419902.4	3739975	1.61E-08	4.00E-08	0.00E+00	0.00E+00	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	4.00E-08	0.00E+00	0.00E+00	5.61E-08	2.02E-09	3.92E-09	0.00E+00	0.00E+00	5.94E-09
714	419905.9	3739966	1.63E-08	4.06E-08	0.00E+00	0.00E+00	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	4.06E-08	0.00E+00	0.00E+00	5.68E-08	2.05E-09	3.97E-09	0.00E+00	0.00E+00	6.02E-09
715	419909.4	3739958	1.65E-08	4.11E-08	0.00E+00	0.00E+00	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	4.11E-08	0.00E+00	0.00E+00	5.76E-08	2.07E-09	4.03E-09	0.00E+00	0.00E+00	6.10E-09
716	419912.9	3739949	1.67E-08	4.17E-08	0.00E+00	0.00E+00	5.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	4.17E-08	0.00E+00	0.00E+00	5.84E-08	2.10E-09	4.08E-09	0.00E+00	0.00E+00	6.19E-09
717

765	419848.7	3740047	1.24E-08	3.08E-08	0.00E+00	0.00E+00	4.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	3.08E-08	0.00E+00	0.00E+00	4.32E-08	1.56E-09	3.02E-09	0.00E+00	0.00E+00	4.58E-09
766	419848.7	3740056	1.25E-08	3.12E-08	0.00E+00	0.00E+00	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.12E-08	0.00E+00	0.00E+00	4.38E-08	1.58E-09	3.06E-09	0.00E+00	0.00E+00	4.63E-09
767	419848.8	3740065	1.27E-08	3.16E-08	0.00E+00	0.00E+00	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	3.16E-08	0.00E+00	0.00E+00	4.43E-08	1.59E-09	3.09E-09	0.00E+00	0.00E+00	4.69E-09
768	419848.8	3740075	1.28E-08	3.19E-08	0.00E+00	0.00E+00	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	3.19E-08	0.00E+00	0.00E+00	4.47E-08	1.61E-09	3.13E-09	0.00E+00	0.00E+00	4.74E-09
769	419848.9	3740084	1.29E-08	3.22E-08	0.00E+00	0.00E+00	4.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	3.22E-08	0.00E+00	0.00E+00	4.51E-08	1.63E-09	3.15E-09	0.00E+00	0.00E+00	4.78E-09
770	419848.9	3740093	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.55E-08	1.64E-09	3.18E-09	0.00E+00	0.00E+00	4.82E-09
771	419849.1	3740122	1.31E-08	3.28E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	3.28E-08	0.00E+00	0.00E+00	4.59E-08	1.65E-09	3.21E-09	0.00E+00	0.00E+00	4.86E-09
772	419831.9	3740001	1.05E-08	2.63E-08	0.00E+00	0.00E+00	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	2.63E-08	0.00E+00	0.00E+00	3.68E-08	1.33E-09	2.57E-09	0.00E+00	0.00E+00	3.90E-09
773	419835.4	3739992	1.06E-08	2.65E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.65E-08	0.00E+00	0.00E+00	3.72E-08	1.34E-09	2.60E-09	0.00E+00	0.00E+00	3.94E-09
774	419838.9	3739983	1.08E-08	2.68E-08	0.00E+00	0.00E+00	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.68E-08	0.00E+00	0.00E+00	3.76E-08	1.35E-09	2.63E-09	0.00E+00	0.00E+00	3.98E-09
775	419842.4	3739975	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.80E-08	1.37E-09	2.66E-09	0.00E+00	0.00E+00	4.02E-09
776	419845.9	3739966	1.10E-08	2.74E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.74E-08	0.00E+00	0.00E+00	3.84E-08	1.38E-09	2.69E-09	0.00E+00	0.00E+00	4.07E-09
777	419849.4	3739958	1.11E-08	2.77E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.77E-08	0.00E+00	0.00E+00	3.89E-08	1.40E-09	2.72E-09	0.00E+00	0.00E+00	4.11E-09
778	419852.9	3739949	1.12E-08	2.80E-08	0.00E+00	0.00E+00	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.80E-08	0.00E+00	0.00E+00	3.92E-08	1.41E-09	2.74E-09	0.00E+00	0.00E+00	4.16E-09
779	419856.4	3739941	1.13E-08	2.83E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.83E-08	0.00E+00	0.00E+00	3.96E-08	1.43E-09	2.77E-09	0.00E+00	0.00E+00	4.19E-09
780	419859.9	3739932	1.14E-08	2.85E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.85E-08	0.00E+00	0.00E+00	4.00E-08	1.44E-09	2.79E-09	0.00E+00	0.00E+00	4.23E-09
781	419863.4	3739924	1.15E-08	2.88E-08	0.00E+00	0.00E+00	4.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.88E-08	0.00E+00	0.00E+00	4.03E-08	1.45E-09	2.82E-09	0.00E+00	0.00E+00	4.27E-09
782	419866.9	3739915	1.16E-08	2.90E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.90E-08	0.00E+00	0.00E+00	4.07E-08	1.46E-09	2.84E-09	0.00E+00	0.00E+00	4.31E-09
783	419870.4	3739907	1.17E-08	2.93E-08	0.00E+00	0.00E+00	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.93E-08	0.00E+00	0.00E+00	4.10E-08	1.48E-09	2.87E-09	0.00E+00	0.00E+00	4.34E-09
784	419828.5	3740009	1.04E-08	2.60E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	2.60E-08	0.00E+00	0.00E+00	3.64E-08	1.31E-09	2.55E-09	0.00E+00	0.00E+00	3.86E-09
785	419828.5	3740018	1.06E-08	2.63E-08	0.00E+00	0.00E+00	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.63E-08	0.00E+00	0.00E+00	3.68E-08	1.33E-09	2.57E-09	0.00E+00	0.00E+00	3.90E-09
786	419828.6	3740028	1.07E-08	2.66E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.66E-08	0.00E+00	0.00E+00	3.73E-08	1.34E-09	2.60E-09	0.00E+00	0.00E+00	3.95E-09
787	419828.6	3740037	1.08E-08	2.69E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.69E-08	0.00E+00	0.00E+00	3.77E-08	1.36E-09	2.63E-09	0.00E+00	0.00E+00	3.99E-09
788	419828.7	3740047	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	1.37E-09	2.66E-09	0.00E+00	0.00E+00	4.04E-09
789	419828.7	3740056	1.10E-08	2.75E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.75E-08	0.00E+00	0.00E+00	3.86E-08	1.39E-09	2.70E-09	0.00E+00	0.00E+00	4.09E-09
790	419828.8	3740065	1.12E-08	2.78E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.78E-08	0.00E+00	0.00E+00	3.90E-08	1.40E-09	2.73E-09	0.00E+00	0.00E+00	4.13E-09
791	419828.8	3740075	1.13E-08	2.81E-08	0.00E+00	0.00E+00	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.81E-08	0.00E+00	0.00E+00	3.94E-08	1.42E-09	2.75E-09	0.00E+00	0.00E+00	4.17E-09
792	419828.9	3740084	1.14E-08	2.84E-08	0.00E+00	0.00E+00	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.84E-08	0.00E+00	0.00E+00	3.98E-08	1.43E-09	2.78E-09	0.00E+00	0.00E+00	4.21E-09
793	419828.9	3740094	1.15E-08	2.86E-08	0.00E+00	0.00E+00	4.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.86E-08	0.00E+00	0.00E+00	4.01E-08	1.44E-09	2.80E-09	0.00E+00	0.00E+00	4.24E-09
794	419829.1	3740122	1.16E-08	2.90E-08	0.00E+00	0.00E+00	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.90E-08	0.00E+00	0.00E+00	4.06E-08	1.46E-09	2.84E-09	0.00E+00	0.00E+00	4.30E-09
795	419811.9	3740001	9.39E-09	2.34E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-09	2.34E-08	0.00E+00	0.00E+00	3.28E-08	1.18E-09	2.29E-09	0.00E+00	0.00E+00	3.47E-09
796	419815.3	3739992	9.48E-09	2.36E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-09	2.36E-08	0.00E+00	0.00E+00	3.31E-08	1.19E-09	2.31E-09	0.00E+00	0.00E+00	3.50E-09
797	419822.2	3739976	9.66E-09	2.41E-08	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-09	2.41E-08	0.00E+00	0.00E+00	3.37E-08	1.22E-09	2.36E-09	0.00E+00	0.00E+00	3.57E-09
798	419829.1	3739959	9.88E-09	2.46E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	2.46E-08	0.00E+00	0.00E+00	3.45E-08	1.24E-09	2.41E-09	0.00E+00	0.00E+00	3.65E-09
799	419832.5	3739950	9.98E-09	2.49E-08	0.00E+00	0.00E+00	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-09	2.49E-08	0.00E+00	0.00E+00	3.49E-08	1.26E-09	2.44E-09	0.00E+00	0.00E+00	3.69E-09
800	419839.4	3739934	1.02E-08	2.53E-08	0.00E+00	0.00E+00	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.53E-08	0.00E+00	0.00E+00	3.55E-08	1.28E-09	2.48E-09	0.00E+00	0.00E+00	3.76E-09
801	419846.3	3739917	1.03E-08	2.57E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	2.57E-08	0.00E+00	0.00E+00	3.61E-08	1.30E-09	2.52E-09	0.00E+00	0.00E+00	3.82E-09
802	419849.7	3739908	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	1.31E-09	2.54E-09	0.00E+00	0.00E+00	3.85E-09
803	419808.5	3740009	9.31E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	1.17E-09	2.27E-09	0.00E+00	0.00E+00	3.44E-09
804	419808.5	3740019	9.42E-09	2.35E-08	0.00E+00	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-09	2.35E-08	0.00E+00	0.00E+00	3.29E-08	1.18E-09	2.30E-09	0.00E+00	0.00E+00	3.48E-09
805	419808.6	3740028	9.52E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	1.20E-09	2.32E-09	0.00E+00	0.00E+00	3.52E-09
806	419808.6	3740037	9.62E-09	2.40E-08	0.00E+00	0.00E+00	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-09	2.40E-08	0.00E+00	0.00E+00	3.36E-08	1.21E-09	2.35E-09	0.00E+00	0.00E+00	3.56E-09
807	419808.7	3740047	9.73E-09	2.42E-08	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-09	2.42E-08	0.00E+00	0.00E+00	3.40E-08	1.22E-09	2.37E-09	0.00E+00	0.00E+00	3.60E-09
808	419808.7	3740056	9.84E-09	2.45E-08	0.00E+00	0.00E+00	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-09	2.45E-08	0.00E+00	0.00E+00	3.44E-08	1.24E-09	2.40E-09	0.00E+00	0.00E+00	3.64E-09
809	419808.8	3740066	9.94E-09	2.48E-08	0.00E+00	0.00E+00	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-09	2.48E-08	0.00E+00	0.00E+00	3.47E-08	1.25E-09	2.42E-09	0.00E+00	0.00E+00	3.67E-09
810	419808.8	3740075	1.00E-08	2.50E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	2.50E-08	0.00E+00	0.00E+00	3.50E-08	1.26E-09	2.45E-09	0.00E+00	0.00E+00	3.71E-09
811	419808.9	3740084	1.01E-08	2.52E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.52E-08	0.00E+00	0.00E+00	3.53E-08	1.27E-09	2.47E-09	0.00E+00	0.00E+00	3.74E-09
812	419808.9	3740094	1.02E-08	2.54E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.54E-08	0.00E+00	0.00E+00	3.56E-08	1.28E-09	2.49E-09	0.00E+00	0.00E+00	3.77E-09
813	419809.1	3740122	1.04E-08	2.58E-08	0.00E+00	0.00E+00	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	2.58E-08	0.00E+00	0.00E+00	3.62E-08	1.30E-09	2.53E-09	0.00E+00	0.00E+00	3.83E-09
814	419799.1	3739983	8.57E-09	2.14E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-09	2.14E-08	0.00E+00	0.00E+00	2.99E-08	1.08E-09	2.09E-09	0.00E+00	0.00E+00	3.17E-09
815	419802.6	3739975	8.66E-09	2.16E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-09	2.16E-08	0.00E+00	0.00E+00	3.02E-08	1.09E-09	2.11E-09	0.00E+00	0.00E+00	3.20E-09
816	419806.2	3739966	8.75E-09	2.18E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-09	2.18E-08	0.00E+00	0.00E+00	3.06E-08	1.10E-09	2.14E-09	0.00E+00	0.00E+00	3.24E-09
817	419809.7	3739957	8.85E-09	2.21E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-09	2.21E-08	0.00E+00	0.00E+00	3.09E-08	1.11E-09	2.16E-09	0.00E+00	0.00E+00	3.27E-09
818	419813.3	3739949	8.95E-09	2.23E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-09	2.23E-08	0.00E+00	0.00E+00	3.12E-08	1.13E-09	2.18E-09	0.00E+00	0.00E+00	3.31E-09
819	419816.8	3739940	9.03E-09	2.25E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-09	2.25E-08	0.00E+00	0.00E+00	3.15E-08	1.14E-09	2.20E-09	0.00E+00	0.00E+00	3.34E-09
820	419820.3	3739931	9.11E-09	2.27E-08	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-09	2.27E-08	0.00E+00	0.00E+00	3.18E-08	1.15E-09	2.22E-09	0.00E+00	0.00E+00	3.37E-09
821	419823.9	3739923	9.19E-09	2.29E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-09	2.29E-08	0.00E+00	0.00E+00	3.21E-08	1.16E-09	2.24E-09	0.00E+00	0.00E+00	3.40E-09
822	419827.4	3739914	9.25E-09	2.31E-08	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-09	2.31E-08	0.00E+00	0.00E+00	3.23E-08	1.16E-09	2.26E-09	0.00E+00	0.00E+00	3.42E-09
823	419799.9	3739933	8.17E-09	2.04E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-09	2.04E-08	0.00E+00	0.00E+00	2.85E-08	1.03E-09	1.99E-09	0.00E+00	0.00E+00	3.02E-09
824	419803.4	3739924	8.25E-09	2.06E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-09	2.06E-08	0.00E+00	0.00E+00	2.88E-08	1.04E-09	2.01E-09	0.00E+00	0.00E+00	3.05E-09
825	419806.9	3739916	8.31E-09	2.07E-08	0.00E+00	0.00E+00	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-09	2.07E-08	0.00E+00	0.00E+00	2.90E-08	1.05E-09	2.03E-09	0.00E+00	0.00E+00	3.07E-09
826	419810.4	3739907	8.37E-09	2.09E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-09	2.09E-08	0.00E+00	0.00E+00	2.92E-08	1.05E-09	2.04E-09	0.00E+00	0.00E+00	3.09E-09
827	419768.5	3740009	7.60E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	9.55E-10	1.85E-09	0.00E+00	0.00E+00	2.81E-09
828	419768.5	3740019	7.67E-09	1.91E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-09	1.91E-08	0.00E+00	0.00E+00	2.68E-08	9.65E-10	1.87E-09	0.00E+00	0.00E+00	2.84E-09
829	419768.6	3740028	7.74E-09	1.93E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.93E-08	0.00E+00	0.00E+00	2.70E-08	9.74E-10	1.89E-09	0.00E+00	0.00E+00	2.86E-09
830	419768.6	3740038	7.81E-09	1.95E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.95E-08	0.00E+00	0.00E+00	2.73E-08	9.82E-10	1.91E-09	0.00E+00	0.00E+00	2.89E-09
831	419768.7	3740047	7.88E-09	1.96E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.96E-08	0.00E+00	0.00E+00	2.75E-08	9.91E-10	1.92E-09	0.00E+00	0.00E+00	2.92E-09
832	419768.7	3740056	7.95E-09	1.98E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.98E-08	0.00E+00	0.00E+00	2.78E-08	1.00E-09	1.94E-09	0.00E+00	0.00E+00	2.94E-09
833	419768.8	3740066	8.02E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	1.01E-09	1.96E-09	0.00E+00	0.00E+00	2.97E-09
834	419768.8	3740075	8.10E-09	2.02E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-09	2.02E-08	0.00E+00	0.00E+00	2.83E-08	1.02E-09	1.98E-09	0.00E+00	0.00E+00	2.99E-09
835	419768.9	3740085	8.16E-09	2.04E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-09	2.04E-08	0.00E+00	0.00E+00	2.85E-08	1.03E-09	1.99E-09	0.00E+00	0.00E+00	3.02E-09
836	419768.9	3740094	8.23E-09	2.05E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	2.05E-08	0.00E+00	0.00E+00	2.87E-08	1.03E-09	2.01E-09	0.00E+00	0.00E+00	3.04E-09
837	419769	3740103	8.29E-09	2.07E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-09	2.07E-08	0.00E+00	0.00E+00	2.89E-08	1.04E-09	2.02E-09	0.00E+00	0.00E+00	3.07E-09
838	419769	3740113	8.34E-09	2.08E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-09	2.08E-08	0.00E+00	0.00E+00	2.91E-08	1.05E-09	2.04E-09	0.00E+00	0.00E+00	3.08E-09
839	419769.1	3740122	8.38E-09	2.09E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-09	2.09E-08	0.00E+00	0.00E+00	2.93E-08	1.05E-09	2.05E-09	0.00E+00	0.00E+00	3.10E-09
840	419742	3740001	6.66E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	8.38E-10	1.63E-09	0.00E+00	0.00E+00	2.46E-09
841	419745.6	3739992	6.71E-09	1.67E-08	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-09	1.67E-08	0.00E+00	0.00E+00	2.34E-08	8.44E-10	1.64E-09	0.00E+00	0.00E+00	2.48E-09
842	419749.1	3739983	6.76E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	8.50E-10	1.65E-09	0.00E+00	0.00E+00	2.50E-09
843	419752.7	3739975	6.81E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	8.56E-10	1.66E-09	0.00E+00	0.00E+00	2.52E-09
844	419756.2	3739966	6.85E-09	1.71E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-09	1.71E-08	0.00E+00	0.00E+00	2.39E-08	8.62E-10	1.67E-09	0.00E+00	0.00E+00	2.53E-09
845	419759.8

893	419685.6	3739993	5.21E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	6.55E-10	1.27E-09	0.00E+00	0.00E+00	1.93E-09
894	419689.1	3739984	5.24E-09	1.31E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	1.31E-08	0.00E+00	0.00E+00	1.83E-08	6.59E-10	1.28E-09	0.00E+00	0.00E+00	1.94E-09
895	419692.6	3739975	5.27E-09	1.31E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	1.31E-08	0.00E+00	0.00E+00	1.84E-08	6.63E-10	1.29E-09	0.00E+00	0.00E+00	1.95E-09
896	419696.2	3739967	5.31E-09	1.32E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	1.32E-08	0.00E+00	0.00E+00	1.86E-08	6.68E-10	1.30E-09	0.00E+00	0.00E+00	1.96E-09
897	419699.7	3739958	5.35E-09	1.33E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	1.33E-08	0.00E+00	0.00E+00	1.87E-08	6.73E-10	1.31E-09	0.00E+00	0.00E+00	1.98E-09
898	419703.3	3739949	5.39E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	6.78E-10	1.32E-09	0.00E+00	0.00E+00	1.99E-09
899	419706.8	3739941	5.43E-09	1.35E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.35E-08	0.00E+00	0.00E+00	1.90E-08	6.83E-10	1.33E-09	0.00E+00	0.00E+00	2.01E-09
900	419710.4	3739932	5.47E-09	1.36E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-09	1.36E-08	0.00E+00	0.00E+00	1.91E-08	6.88E-10	1.33E-09	0.00E+00	0.00E+00	2.02E-09
901	419713.9	3739923	5.50E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	6.92E-10	1.34E-09	0.00E+00	0.00E+00	2.04E-09
902	419717.5	3739915	5.55E-09	1.38E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.38E-08	0.00E+00	0.00E+00	1.94E-08	6.98E-10	1.35E-09	0.00E+00	0.00E+00	2.05E-09
903	419721	3739906	5.59E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	7.03E-10	1.36E-09	0.00E+00	0.00E+00	2.07E-09
904	419724.6	3739897	5.63E-09	1.40E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.40E-08	0.00E+00	0.00E+00	1.97E-08	7.08E-10	1.37E-09	0.00E+00	0.00E+00	2.08E-09
905	419728.1	3739889	5.67E-09	1.41E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.41E-08	0.00E+00	0.00E+00	1.98E-08	7.14E-10	1.38E-09	0.00E+00	0.00E+00	2.10E-09
906	419731.6	3739880	5.71E-09	1.42E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-09	1.42E-08	0.00E+00	0.00E+00	2.00E-08	7.19E-10	1.39E-09	0.00E+00	0.00E+00	2.11E-09
907	419735.2	3739871	5.76E-09	1.44E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.44E-08	0.00E+00	0.00E+00	2.01E-08	7.24E-10	1.41E-09	0.00E+00	0.00E+00	2.13E-09
908	419738.7	3739863	5.80E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	7.30E-10	1.42E-09	0.00E+00	0.00E+00	2.15E-09
909	419742.3	3739854	5.85E-09	1.46E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.46E-08	0.00E+00	0.00E+00	2.04E-08	7.36E-10	1.43E-09	0.00E+00	0.00E+00	2.16E-09
910	419745.8	3739845	5.89E-09	1.47E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-09	1.47E-08	0.00E+00	0.00E+00	2.06E-08	7.41E-10	1.44E-09	0.00E+00	0.00E+00	2.18E-09
911	419749.4	3739837	5.94E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	7.47E-10	1.45E-09	0.00E+00	0.00E+00	2.20E-09
912	419752.9	3739828	5.98E-09	1.49E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-09	1.49E-08	0.00E+00	0.00E+00	2.09E-08	7.52E-10	1.46E-09	0.00E+00	0.00E+00	2.21E-09
913	419756.5	3739819	6.01E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	7.56E-10	1.47E-09	0.00E+00	0.00E+00	2.22E-09
914	419760	3739811	6.04E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	7.60E-10	1.47E-09	0.00E+00	0.00E+00	2.23E-09
915	419763.6	3739802	6.07E-09	1.51E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-09	1.51E-08	0.00E+00	0.00E+00	2.12E-08	7.63E-10	1.48E-09	0.00E+00	0.00E+00	2.24E-09
916	419678.5	3740010	5.15E-09	1.28E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	1.28E-08	0.00E+00	0.00E+00	1.80E-08	6.48E-10	1.26E-09	0.00E+00	0.00E+00	1.91E-09
917	419678.5	3740019	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.53E-10	1.27E-09	0.00E+00	0.00E+00	1.92E-09
918	419678.6	3740029	5.23E-09	1.30E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	1.30E-08	0.00E+00	0.00E+00	1.83E-08	6.58E-10	1.28E-09	0.00E+00	0.00E+00	1.93E-09
919	419678.6	3740038	5.27E-09	1.31E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	1.31E-08	0.00E+00	0.00E+00	1.84E-08	6.62E-10	1.29E-09	0.00E+00	0.00E+00	1.95E-09
920	419678.7	3740047	5.31E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	6.67E-10	1.29E-09	0.00E+00	0.00E+00	1.96E-09
921	419678.7	3740057	5.35E-09	1.33E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	1.33E-08	0.00E+00	0.00E+00	1.87E-08	6.72E-10	1.30E-09	0.00E+00	0.00E+00	1.98E-09
922	419678.8	3740066	5.38E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	6.77E-10	1.31E-09	0.00E+00	0.00E+00	1.99E-09
923	419678.8	3740076	5.42E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	6.82E-10	1.32E-09	0.00E+00	0.00E+00	2.00E-09
924	419678.9	3740085	5.45E-09	1.36E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.36E-08	0.00E+00	0.00E+00	1.90E-08	6.86E-10	1.33E-09	0.00E+00	0.00E+00	2.02E-09
925	419678.9	3740094	5.48E-09	1.37E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.37E-08	0.00E+00	0.00E+00	1.91E-08	6.89E-10	1.34E-09	0.00E+00	0.00E+00	2.03E-09
926	419679	3740104	5.51E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	6.93E-10	1.34E-09	0.00E+00	0.00E+00	2.04E-09
927	419679	3740113	5.54E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	6.96E-10	1.35E-09	0.00E+00	0.00E+00	2.05E-09
928	419679.1	3740123	5.56E-09	1.39E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-09	1.39E-08	0.00E+00	0.00E+00	1.94E-08	7.00E-10	1.36E-09	0.00E+00	0.00E+00	2.06E-09
929	419652	3740001	4.62E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	5.81E-10	1.13E-09	0.00E+00	0.00E+00	1.71E-09
930	419655.4	3739993	4.64E-09	1.16E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	1.16E-08	0.00E+00	0.00E+00	1.62E-08	5.84E-10	1.13E-09	0.00E+00	0.00E+00	1.72E-09
931	419658.9	3739984	4.67E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	5.87E-10	1.14E-09	0.00E+00	0.00E+00	1.73E-09
932	419662.4	3739976	4.69E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.90E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
933	419665.9	3739967	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	5.95E-10	1.15E-09	0.00E+00	0.00E+00	1.75E-09
934	419669.4	3739959	4.76E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	5.99E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
935	419672.9	3739950	4.79E-09	1.20E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-09	1.20E-08	0.00E+00	0.00E+00	1.67E-08	6.03E-10	1.17E-09	0.00E+00	0.00E+00	1.77E-09
936	419676.4	3739942	4.84E-09	1.21E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	1.21E-08	0.00E+00	0.00E+00	1.69E-08	6.08E-10	1.18E-09	0.00E+00	0.00E+00	1.79E-09
937	419679.9	3739933	4.88E-09	1.22E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	1.22E-08	0.00E+00	0.00E+00	1.70E-08	6.13E-10	1.19E-09	0.00E+00	0.00E+00	1.80E-09
938	419683.4	3739925	4.92E-09	1.23E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	1.23E-08	0.00E+00	0.00E+00	1.72E-08	6.18E-10	1.20E-09	0.00E+00	0.00E+00	1.82E-09
939	419686.9	3739916	4.95E-09	1.23E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	1.23E-08	0.00E+00	0.00E+00	1.73E-08	6.23E-10	1.21E-09	0.00E+00	0.00E+00	1.83E-09
940	419690.4	3739908	4.99E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	6.28E-10	1.22E-09	0.00E+00	0.00E+00	1.85E-09
941	419693.8	3739899	5.03E-09	1.25E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	1.25E-08	0.00E+00	0.00E+00	1.76E-08	6.32E-10	1.23E-09	0.00E+00	0.00E+00	1.86E-09
942	419697.3	3739891	5.07E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	6.37E-10	1.24E-09	0.00E+00	0.00E+00	1.87E-09
943	419700.8	3739882	5.10E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.41E-10	1.24E-09	0.00E+00	0.00E+00	1.89E-09
944	419704.3	3739874	5.13E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	6.45E-10	1.25E-09	0.00E+00	0.00E+00	1.90E-09
945	419707.8	3739865	5.16E-09	1.29E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	1.29E-08	0.00E+00	0.00E+00	1.80E-08	6.49E-10	1.26E-09	0.00E+00	0.00E+00	1.91E-09
946	419711.3	3739857	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.53E-10	1.27E-09	0.00E+00	0.00E+00	1.92E-09
947	419714.8	3739848	5.23E-09	1.30E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	1.30E-08	0.00E+00	0.00E+00	1.83E-08	6.57E-10	1.28E-09	0.00E+00	0.00E+00	1.93E-09
948	419718.3	3739839	5.26E-09	1.31E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-09	1.31E-08	0.00E+00	0.00E+00	1.84E-08	6.62E-10	1.28E-09	0.00E+00	0.00E+00	1.95E-09
949	419721.8	3739831	5.30E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	6.66E-10	1.29E-09	0.00E+00	0.00E+00	1.96E-09
950	419725.3	3739822	5.33E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	6.70E-10	1.30E-09	0.00E+00	0.00E+00	1.97E-09
951	419728.8	3739814	5.35E-09	1.33E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-09	1.33E-08	0.00E+00	0.00E+00	1.87E-08	6.73E-10	1.31E-09	0.00E+00	0.00E+00	1.98E-09
952	419732.3	3739805	5.38E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	6.77E-10	1.31E-09	0.00E+00	0.00E+00	1.99E-09
953	419735.7	3739797	5.41E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	6.80E-10	1.32E-09	0.00E+00	0.00E+00	2.00E-09
954	419648.5	3740010	4.59E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	5.77E-10	1.12E-09	0.00E+00	0.00E+00	1.70E-09
955	419648.5	3740019	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	5.82E-10	1.13E-09	0.00E+00	0.00E+00	1.71E-09
956	419648.6	3740029	4.66E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	5.87E-10	1.14E-09	0.00E+00	0.00E+00	1.73E-09
957	419648.6	3740038	4.70E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.91E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
958	419648.7	3740048	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	5.95E-10	1.16E-09	0.00E+00	0.00E+00	1.75E-09
959	419648.7	3740057	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	6.00E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
960	419648.8	3740066	4.80E-09	1.20E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	1.20E-08	0.00E+00	0.00E+00	1.68E-08	6.04E-10	1.17E-09	0.00E+00	0.00E+00	1.78E-09
961	419648.8	3740076	4.83E-09	1.20E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	1.20E-08	0.00E+00	0.00E+00	1.69E-08	6.08E-10	1.18E-09	0.00E+00	0.00E+00	1.79E-09
962	419648.9	3740085	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	6.11E-10	1.19E-09	0.00E+00	0.00E+00	1.80E-09
963	419648.9	3740095	4.89E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	6.14E-10	1.19E-09	0.00E+00	0.00E+00	1.81E-09
964	419649	3740104	4.91E-09	1.22E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	1.22E-08	0.00E+00	0.00E+00	1.72E-08	6.18E-10	1.20E-09	0.00E+00	0.00E+00	1.82E-09
965	419649	3740113	4.94E-09	1.23E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-09	1.23E-08	0.00E+00	0.00E+00	1.73E-08	6.22E-10	1.21E-09	0.00E+00	0.00E+00	1.83E-09
966	419649.1	3740123	4.97E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	6.25E-10	1.21E-09	0.00E+00	0.00E+00	1.84E-09
967	419622	3740002	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	5.20E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
968	419625.5	3739993	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.24E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
969	419629.1	3739984	4.19E-09	1.05E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	1.05E-08	0.00E+00	0.00E+00	1.46E-08	5.28E-10	1.02E-09	0.00E+00	0.00E+00	1.55E-09
970	419632.6	3739976	4.23E-09	1.05E-08	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	1.05E-08	0.00E+00	0.00E+00	1.48E-08	5.32E-10	1.03E-09	0.00E+00	0.00E+00	1.56E-09
971	419636.2	3739967	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	5.36E-10	1.04E-09	0.00E+00	0.00E+00	1.58E-09
972	419639.7	3739958	4.29E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.40E-10	1.05E-09	0.00E+00	0.00E+00	1.59E-09
973	419643.2

1021	419647.8	3739865	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	5.23E-10	1.01E-09	0.00E+00	0.00E+00	1.54E-09
1022	419651.3	3739857	4.18E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.26E-10	1.02E-09	0.00E+00	0.00E+00	1.55E-09
1023	419654.8	3739848	4.21E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	5.29E-10	1.03E-09	0.00E+00	0.00E+00	1.56E-09
1024	419658.3	3739840	4.23E-09	1.05E-08	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	1.05E-08	0.00E+00	0.00E+00	1.48E-08	5.32E-10	1.03E-09	0.00E+00	0.00E+00	1.57E-09
1025	419661.8	3739831	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	5.36E-10	1.04E-09	0.00E+00	0.00E+00	1.57E-09
1026	419665.3	3739823	4.28E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.39E-10	1.05E-09	0.00E+00	0.00E+00	1.58E-09
1027	419668.8	3739814	4.31E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.42E-10	1.05E-09	0.00E+00	0.00E+00	1.59E-09
1028	419672.3	3739806	4.33E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	5.45E-10	1.06E-09	0.00E+00	0.00E+00	1.60E-09
1029	419675.7	3739797	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	5.48E-10	1.06E-09	0.00E+00	0.00E+00	1.61E-09
1030	419679.2	3739789	4.38E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	5.51E-10	1.07E-09	0.00E+00	0.00E+00	1.62E-09
1031	419588.5	3740010	3.74E-09	9.32E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	9.32E-09	0.00E+00	0.00E+00	1.31E-08	4.70E-10	9.12E-10	0.00E+00	0.00E+00	1.38E-09
1032	419588.5	3740020	3.76E-09	9.38E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	9.38E-09	0.00E+00	0.00E+00	1.31E-08	4.73E-10	9.19E-10	0.00E+00	0.00E+00	1.39E-09
1033	419588.6	3740029	3.79E-09	9.45E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	9.45E-09	0.00E+00	0.00E+00	1.32E-08	4.77E-10	9.25E-10	0.00E+00	0.00E+00	1.40E-09
1034	419588.6	3740039	3.82E-09	9.51E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	9.51E-09	0.00E+00	0.00E+00	1.33E-08	4.80E-10	9.32E-10	0.00E+00	0.00E+00	1.41E-09
1035	419588.7	3740048	3.84E-09	9.57E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	9.57E-09	0.00E+00	0.00E+00	1.34E-08	4.83E-10	9.37E-10	0.00E+00	0.00E+00	1.42E-09
1036	419588.7	3740057	3.86E-09	9.63E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	9.63E-09	0.00E+00	0.00E+00	1.35E-08	4.86E-10	9.43E-10	0.00E+00	0.00E+00	1.43E-09
1037	419588.8	3740067	3.89E-09	9.69E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	9.69E-09	0.00E+00	0.00E+00	1.36E-08	4.89E-10	9.49E-10	0.00E+00	0.00E+00	1.44E-09
1038	419588.8	3740076	3.91E-09	9.75E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	9.75E-09	0.00E+00	0.00E+00	1.37E-08	4.92E-10	9.54E-10	0.00E+00	0.00E+00	1.45E-09
1039	419588.9	3740086	3.93E-09	9.80E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	9.80E-09	0.00E+00	0.00E+00	1.37E-08	4.94E-10	9.59E-10	0.00E+00	0.00E+00	1.45E-09
1040	419588.9	3740095	3.95E-09	9.85E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	9.85E-09	0.00E+00	0.00E+00	1.38E-08	4.97E-10	9.65E-10	0.00E+00	0.00E+00	1.46E-09
1041	419589	3740104	3.97E-09	9.91E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	9.91E-09	0.00E+00	0.00E+00	1.39E-08	5.00E-10	9.70E-10	0.00E+00	0.00E+00	1.47E-09
1042	419589	3740114	4.00E-09	9.97E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	9.97E-09	0.00E+00	0.00E+00	1.40E-08	5.03E-10	9.76E-10	0.00E+00	0.00E+00	1.48E-09
1043	419589.1	3740123	4.02E-09	1.00E-08	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	1.00E-08	0.00E+00	0.00E+00	1.40E-08	5.06E-10	9.82E-10	0.00E+00	0.00E+00	1.49E-09
1044	419562	3740002	3.44E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	4.33E-10	8.41E-10	0.00E+00	0.00E+00	1.27E-09
1045	419565.5	3739993	3.46E-09	8.63E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	8.63E-09	0.00E+00	0.00E+00	1.21E-08	4.35E-10	8.45E-10	0.00E+00	0.00E+00	1.28E-09
1046	419569.1	3739985	3.48E-09	8.67E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	8.67E-09	0.00E+00	0.00E+00	1.21E-08	4.37E-10	8.49E-10	0.00E+00	0.00E+00	1.29E-09
1047	419572.6	3739976	3.49E-09	8.71E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	8.71E-09	0.00E+00	0.00E+00	1.22E-08	4.39E-10	8.53E-10	0.00E+00	0.00E+00	1.29E-09
1048	419576.1	3739967	3.51E-09	8.75E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	8.75E-09	0.00E+00	0.00E+00	1.23E-08	4.42E-10	8.57E-10	0.00E+00	0.00E+00	1.30E-09
1049	419579.7	3739959	3.53E-09	8.80E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	8.80E-09	0.00E+00	0.00E+00	1.23E-08	4.44E-10	8.61E-10	0.00E+00	0.00E+00	1.31E-09
1050	419583.2	3739950	3.55E-09	8.85E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	8.85E-09	0.00E+00	0.00E+00	1.24E-08	4.47E-10	8.67E-10	0.00E+00	0.00E+00	1.31E-09
1051	419586.7	3739941	3.57E-09	8.91E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	8.91E-09	0.00E+00	0.00E+00	1.25E-08	4.50E-10	8.72E-10	0.00E+00	0.00E+00	1.32E-09
1052	419590.3	3739933	3.60E-09	8.97E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	8.97E-09	0.00E+00	0.00E+00	1.26E-08	4.52E-10	8.78E-10	0.00E+00	0.00E+00	1.33E-09
1053	419593.8	3739924	3.62E-09	9.02E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	9.02E-09	0.00E+00	0.00E+00	1.26E-08	4.55E-10	8.83E-10	0.00E+00	0.00E+00	1.34E-09
1054	419597.3	3739916	3.64E-09	9.08E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	9.08E-09	0.00E+00	0.00E+00	1.27E-08	4.58E-10	8.89E-10	0.00E+00	0.00E+00	1.35E-09
1055	419600.9	3739907	3.67E-09	9.14E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	9.14E-09	0.00E+00	0.00E+00	1.28E-08	4.61E-10	8.95E-10	0.00E+00	0.00E+00	1.36E-09
1056	419604.4	3739898	3.69E-09	9.19E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-09	9.19E-09	0.00E+00	0.00E+00	1.29E-08	4.64E-10	9.00E-10	0.00E+00	0.00E+00	1.36E-09
1057	419607.9	3739890	3.71E-09	9.24E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	9.24E-09	0.00E+00	0.00E+00	1.30E-08	4.66E-10	9.05E-10	0.00E+00	0.00E+00	1.37E-09
1058	419611.5	3739881	3.73E-09	9.30E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	9.30E-09	0.00E+00	0.00E+00	1.30E-08	4.69E-10	9.10E-10	0.00E+00	0.00E+00	1.38E-09
1059	419615	3739872	3.75E-09	9.35E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	9.35E-09	0.00E+00	0.00E+00	1.31E-08	4.72E-10	9.15E-10	0.00E+00	0.00E+00	1.39E-09
1060	419618.5	3739864	3.77E-09	9.40E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	9.40E-09	0.00E+00	0.00E+00	1.32E-08	4.74E-10	9.20E-10	0.00E+00	0.00E+00	1.39E-09
1061	419622.1	3739855	3.79E-09	9.45E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	9.45E-09	0.00E+00	0.00E+00	1.32E-08	4.77E-10	9.25E-10	0.00E+00	0.00E+00	1.40E-09
1062	419625.6	3739847	3.81E-09	9.51E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	9.51E-09	0.00E+00	0.00E+00	1.33E-08	4.80E-10	9.31E-10	0.00E+00	0.00E+00	1.41E-09
1063	419629.1	3739838	3.84E-09	9.56E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	9.56E-09	0.00E+00	0.00E+00	1.34E-08	4.83E-10	9.36E-10	0.00E+00	0.00E+00	1.42E-09
1064	419632.7	3739829	3.86E-09	9.62E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	9.62E-09	0.00E+00	0.00E+00	1.35E-08	4.85E-10	9.42E-10	0.00E+00	0.00E+00	1.43E-09
1065	419636.2	3739821	3.88E-09	9.67E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-09	9.67E-09	0.00E+00	0.00E+00	1.36E-08	4.88E-10	9.47E-10	0.00E+00	0.00E+00	1.44E-09
1066	419639.7	3739812	3.90E-09	9.73E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	9.73E-09	0.00E+00	0.00E+00	1.36E-08	4.91E-10	9.53E-10	0.00E+00	0.00E+00	1.44E-09
1067	419643.3	3739803	3.93E-09	9.78E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	9.78E-09	0.00E+00	0.00E+00	1.37E-08	4.94E-10	9.58E-10	0.00E+00	0.00E+00	1.45E-09
1068	419646.8	3739795	3.95E-09	9.84E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	9.84E-09	0.00E+00	0.00E+00	1.38E-08	4.97E-10	9.64E-10	0.00E+00	0.00E+00	1.46E-09
1069	419650.3	3739786	3.97E-09	9.89E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	9.89E-09	0.00E+00	0.00E+00	1.39E-08	4.99E-10	9.69E-10	0.00E+00	0.00E+00	1.47E-09
1070	419653.8	3739778	3.99E-09	9.94E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	9.94E-09	0.00E+00	0.00E+00	1.39E-08	5.02E-10	9.73E-10	0.00E+00	0.00E+00	1.47E-09
1071	419558.5	3740011	3.43E-09	8.54E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	8.54E-09	0.00E+00	0.00E+00	1.20E-08	4.31E-10	8.36E-10	0.00E+00	0.00E+00	1.27E-09
1072	419558.5	3740020	3.44E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	4.33E-10	8.41E-10	0.00E+00	0.00E+00	1.27E-09
1073	419558.6	3740029	3.46E-09	8.63E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	8.63E-09	0.00E+00	0.00E+00	1.21E-08	4.35E-10	8.45E-10	0.00E+00	0.00E+00	1.28E-09
1074	419558.6	3740039	3.48E-09	8.67E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	8.67E-09	0.00E+00	0.00E+00	1.22E-08	4.38E-10	8.49E-10	0.00E+00	0.00E+00	1.29E-09
1075	419558.7	3740048	3.50E-09	8.72E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	8.72E-09	0.00E+00	0.00E+00	1.22E-08	4.40E-10	8.54E-10	0.00E+00	0.00E+00	1.29E-09
1076	419558.7	3740058	3.52E-09	8.76E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	8.76E-09	0.00E+00	0.00E+00	1.23E-08	4.42E-10	8.58E-10	0.00E+00	0.00E+00	1.30E-09
1077	419558.8	3740067	3.53E-09	8.81E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	8.81E-09	0.00E+00	0.00E+00	1.23E-08	4.44E-10	8.63E-10	0.00E+00	0.00E+00	1.31E-09
1078	419558.8	3740076	3.55E-09	8.85E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	8.85E-09	0.00E+00	0.00E+00	1.24E-08	4.47E-10	8.67E-10	0.00E+00	0.00E+00	1.31E-09
1079	419558.9	3740086	3.57E-09	8.90E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	8.90E-09	0.00E+00	0.00E+00	1.25E-08	4.49E-10	8.71E-10	0.00E+00	0.00E+00	1.32E-09
1080	419558.9	3740095	3.59E-09	8.94E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	8.94E-09	0.00E+00	0.00E+00	1.25E-08	4.51E-10	8.76E-10	0.00E+00	0.00E+00	1.33E-09
1081	419559	3740104	3.61E-09	8.99E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	8.99E-09	0.00E+00	0.00E+00	1.26E-08	4.54E-10	8.80E-10	0.00E+00	0.00E+00	1.33E-09
1082	419559	3740114	3.63E-09	9.04E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	9.04E-09	0.00E+00	0.00E+00	1.27E-08	4.56E-10	8.86E-10	0.00E+00	0.00E+00	1.34E-09
1083	419559.1	3740123	3.65E-09	9.10E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	9.10E-09	0.00E+00	0.00E+00	1.27E-08	4.59E-10	8.91E-10	0.00E+00	0.00E+00	1.35E-09
1084	419532	3740002	3.16E-09	7.87E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	7.87E-09	0.00E+00	0.00E+00	1.10E-08	3.97E-10	7.71E-10	0.00E+00	0.00E+00	1.17E-09
1085	419535.4	3739994	3.18E-09	7.91E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	7.91E-09	0.00E+00	0.00E+00	1.11E-08	3.99E-10	7.75E-10	0.00E+00	0.00E+00	1.17E-09
1086	419538.9	3739985	3.19E-09	7.96E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	7.96E-09	0.00E+00	0.00E+00	1.12E-08	4.02E-10	7.79E-10	0.00E+00	0.00E+00	1.18E-09
1087	419542.4	3739977	3.21E-09	8.00E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	8.00E-09	0.00E+00	0.00E+00	1.12E-08	4.04E-10	7.84E-10	0.00E+00	0.00E+00	1.19E-09
1088	419545.9	3739968	3.23E-09	8.04E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	8.04E-09	0.00E+00	0.00E+00	1.13E-08	4.06E-10	7.88E-10	0.00E+00	0.00E+00	1.19E-09
1089	419549.4	3739960	3.25E-09	8.09E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	8.09E-09	0.00E+00	0.00E+00	1.13E-08	4.08E-10	7.92E-10	0.00E+00	0.00E+00	1.20E-09
1090	419552.9	3739951	3.26E-09	8.13E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	8.13E-09	0.00E+00	0.00E+00	1.14E-08	4.10E-10	7.96E-10	0.00E+00	0.00E+00	1.21E-09
1091	419556.4	3739942	3.27E-09	8.16E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	8.16E-09	0.00E+00	0.00E+00	1.14E-08	4.12E-10	7.99E-10	0.00E+00	0.00E+00	1.21E-09
1092	419559.9	3739934	3.29E-09	8.20E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	8.20E-09	0.00E+00	0.00E+00	1.15E-08	4.14E-10	8.03E-10	0.00E+00	0.00E+00	1.22E-09
1093	419563.4	3739925	3.30E-09	8.23E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	8.23E-09	0.00E+00	0.00E+00	1.15E-08	4.15E-10	8.06E-10	0.00E+00	0.00E+00	1.22E-09
1094	419566.9	3739917	3.32E-09	8.27E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	8.27E-09	0.00E+00	0.00E+00	1.16E-08	4.18E-10	8.10E-10	0.00E+00	0.00E+00	1.23E-09
1095	419570.4	3739908	3.34E-09	8.32E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	8.32E-09	0.00E+00	0.00E+00	1.17E-08	4.20E-10	8.15E-10	0.00E+00	0.00E+00	1.24E-09
1096	419573.8	3739900	3.36E-09	8.38E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	8.38E-09	0.00E+00	0.00E+00	1.17E-08	4.23E-10	8.20E-10	0.00E+00	0.00E+00	1.24E-09
1097	419577.3	3739891	3.38E-09	8.43E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	8.43E-09	0.00E+00	0.00E+00	1.18E-08	4.25E-10	8.25E-10	0.00E+00	0.00E+00	1.25E-09
1098	419580.8	3739883	3.40E-09	8.49E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	8.49E-09	0.00E+00	0.00E+00	1.19E-08	4.28E-10	8.31E-10	0.00E+00	0.00E+00	1.26E-09
1099	419584.3	3739874	3.43E-09	8.54E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	8.54E-09	0.00E+00	0.00E+00	1.20E-08	4.31E-10	8.36E-10	0.00E+00	0.00E+00	1.27E-09
1100	419587.8	3739866	3.44E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	8.59E-09	0

1149	419498.5	3740011	2.88E-09	7.18E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	7.18E-09	0.00E+00	0.00E+00	1.01E-08	3.62E-10	7.03E-10	0.00E+00	0.00E+00	1.06E-09
1150	419498.5	3740020	2.89E-09	7.20E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	7.20E-09	0.00E+00	0.00E+00	1.01E-08	3.63E-10	7.05E-10	0.00E+00	0.00E+00	1.07E-09
1151	419498.6	3740030	2.90E-09	7.23E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	7.23E-09	0.00E+00	0.00E+00	1.01E-08	3.65E-10	7.08E-10	0.00E+00	0.00E+00	1.07E-09
1152	419498.6	3740039	2.91E-09	7.26E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	7.26E-09	0.00E+00	0.00E+00	1.02E-08	3.66E-10	7.11E-10	0.00E+00	0.00E+00	1.08E-09
1153	419498.7	3740048	2.93E-09	7.30E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	7.30E-09	0.00E+00	0.00E+00	1.02E-08	3.68E-10	7.14E-10	0.00E+00	0.00E+00	1.08E-09
1154	419498.7	3740058	2.94E-09	7.33E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	7.33E-09	0.00E+00	0.00E+00	1.03E-08	3.70E-10	7.18E-10	0.00E+00	0.00E+00	1.09E-09
1155	419499	3740105	3.02E-09	7.53E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	7.53E-09	0.00E+00	0.00E+00	1.06E-08	3.80E-10	7.37E-10	0.00E+00	0.00E+00	1.12E-09
1156	419499	3740114	3.04E-09	7.57E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	7.57E-09	0.00E+00	0.00E+00	1.06E-08	3.82E-10	7.41E-10	0.00E+00	0.00E+00	1.12E-09
1157	419499.1	3740124	3.05E-09	7.60E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	7.60E-09	0.00E+00	0.00E+00	1.07E-08	3.84E-10	7.44E-10	0.00E+00	0.00E+00	1.13E-09
1158	419472	3740002	2.67E-09	6.65E-09	0.00E+00	0.00E+00	9.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	6.65E-09	0.00E+00	0.00E+00	9.31E-09	3.35E-10	6.51E-10	0.00E+00	0.00E+00	9.86E-10
1159	419475.4	3739994	2.68E-09	6.68E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	6.68E-09	0.00E+00	0.00E+00	9.37E-09	3.37E-10	6.55E-10	0.00E+00	0.00E+00	9.92E-10
1160	419478.9	3739985	2.70E-09	6.72E-09	0.00E+00	0.00E+00	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	6.72E-09	0.00E+00	0.00E+00	9.42E-09	3.39E-10	6.58E-10	0.00E+00	0.00E+00	9.97E-10
1161	419482.4	3739977	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	3.41E-10	6.62E-10	0.00E+00	0.00E+00	1.00E-09
1162	419485.9	3739968	2.73E-09	6.80E-09	0.00E+00	0.00E+00	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	6.80E-09	0.00E+00	0.00E+00	9.53E-09	3.43E-10	6.66E-10	0.00E+00	0.00E+00	1.01E-09
1163	419489.4	3739960	2.74E-09	6.84E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.84E-09	0.00E+00	0.00E+00	9.58E-09	3.45E-10	6.69E-10	0.00E+00	0.00E+00	1.01E-09
1164	419492.9	3739951	2.76E-09	6.87E-09	0.00E+00	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	6.87E-09	0.00E+00	0.00E+00	9.63E-09	3.47E-10	6.73E-10	0.00E+00	0.00E+00	1.02E-09
1165	419496.4	3739943	2.77E-09	6.91E-09	0.00E+00	0.00E+00	9.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	6.91E-09	0.00E+00	0.00E+00	9.68E-09	3.48E-10	6.76E-10	0.00E+00	0.00E+00	1.02E-09
1166	419499.9	3739934	2.78E-09	6.94E-09	0.00E+00	0.00E+00	9.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	6.94E-09	0.00E+00	0.00E+00	9.72E-09	3.50E-10	6.80E-10	0.00E+00	0.00E+00	1.03E-09
1167	419503.4	3739926	2.80E-09	6.97E-09	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	6.97E-09	0.00E+00	0.00E+00	9.77E-09	3.52E-10	6.83E-10	0.00E+00	0.00E+00	1.03E-09
1168	419506.9	3739917	2.81E-09	7.01E-09	0.00E+00	0.00E+00	9.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	7.01E-09	0.00E+00	0.00E+00	9.82E-09	3.54E-10	6.86E-10	0.00E+00	0.00E+00	1.04E-09
1169	419510.4	3739909	2.82E-09	7.04E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	7.04E-09	0.00E+00	0.00E+00	9.86E-09	3.55E-10	6.89E-10	0.00E+00	0.00E+00	1.04E-09
1170	419513.9	3739900	2.84E-09	7.07E-09	0.00E+00	0.00E+00	9.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	7.07E-09	0.00E+00	0.00E+00	9.90E-09	3.57E-10	6.92E-10	0.00E+00	0.00E+00	1.05E-09
1171	419517.3	3739892	2.84E-09	7.09E-09	0.00E+00	0.00E+00	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	7.09E-09	0.00E+00	0.00E+00	9.93E-09	3.58E-10	6.94E-10	0.00E+00	0.00E+00	1.05E-09
1172	419520.8	3739883	2.86E-09	7.13E-09	0.00E+00	0.00E+00	9.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	7.13E-09	0.00E+00	0.00E+00	9.98E-09	3.60E-10	6.98E-10	0.00E+00	0.00E+00	1.06E-09
1173	419524.3	3739875	2.88E-09	7.17E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	7.17E-09	0.00E+00	0.00E+00	1.00E-08	3.62E-10	7.02E-10	0.00E+00	0.00E+00	1.06E-09
1174	419527.8	3739866	2.89E-09	7.21E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	7.21E-09	0.00E+00	0.00E+00	1.01E-08	3.64E-10	7.06E-10	0.00E+00	0.00E+00	1.07E-09
1175	419531.3	3739858	2.91E-09	7.26E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	7.26E-09	0.00E+00	0.00E+00	1.02E-08	3.66E-10	7.11E-10	0.00E+00	0.00E+00	1.08E-09
1176	419534.8	3739849	2.93E-09	7.30E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	7.30E-09	0.00E+00	0.00E+00	1.02E-08	3.68E-10	7.15E-10	0.00E+00	0.00E+00	1.08E-09
1177	419538.3	3739840	2.94E-09	7.34E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	7.34E-09	0.00E+00	0.00E+00	1.03E-08	3.70E-10	7.19E-10	0.00E+00	0.00E+00	1.09E-09
1178	419541.8	3739832	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	3.72E-10	7.23E-10	0.00E+00	0.00E+00	1.09E-09
1179	419545.3	3739823	2.97E-09	7.41E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	7.41E-09	0.00E+00	0.00E+00	1.04E-08	3.74E-10	7.26E-10	0.00E+00	0.00E+00	1.10E-09
1180	419548.8	3739815	2.99E-09	7.45E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	7.45E-09	0.00E+00	0.00E+00	1.04E-08	3.76E-10	7.29E-10	0.00E+00	0.00E+00	1.11E-09
1181	419552.3	3739806	3.00E-09	7.48E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	7.48E-09	0.00E+00	0.00E+00	1.05E-08	3.78E-10	7.33E-10	0.00E+00	0.00E+00	1.11E-09
1182	419555.7	3739798	3.02E-09	7.52E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	7.52E-09	0.00E+00	0.00E+00	1.05E-08	3.79E-10	7.36E-10	0.00E+00	0.00E+00	1.12E-09
1183	419559.2	3739789	3.03E-09	7.55E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	7.55E-09	0.00E+00	0.00E+00	1.06E-08	3.81E-10	7.39E-10	0.00E+00	0.00E+00	1.12E-09
1184	419562.7	3739781	3.04E-09	7.58E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	7.58E-09	0.00E+00	0.00E+00	1.06E-08	3.83E-10	7.42E-10	0.00E+00	0.00E+00	1.12E-09
1185	419468.7	3740049	2.70E-09	6.73E-09	0.00E+00	0.00E+00	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	6.73E-09	0.00E+00	0.00E+00	9.43E-09	3.39E-10	6.59E-10	0.00E+00	0.00E+00	9.98E-10
1186	419468.7	3740058	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.48E-09	3.41E-10	6.62E-10	0.00E+00	0.00E+00	1.00E-09
1187	419468.8	3740067	2.73E-09	6.80E-09	0.00E+00	0.00E+00	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	6.80E-09	0.00E+00	0.00E+00	9.53E-09	3.43E-10	6.66E-10	0.00E+00	0.00E+00	1.01E-09
1188	419468.8	3740077	2.74E-09	6.83E-09	0.00E+00	0.00E+00	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.83E-09	0.00E+00	0.00E+00	9.57E-09	3.45E-10	6.69E-10	0.00E+00	0.00E+00	1.01E-09
1189	419468.9	3740086	2.75E-09	6.86E-09	0.00E+00	0.00E+00	9.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	6.86E-09	0.00E+00	0.00E+00	9.62E-09	3.46E-10	6.72E-10	0.00E+00	0.00E+00	1.02E-09
1190	419468.9	3740096	2.77E-09	6.89E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	6.89E-09	0.00E+00	0.00E+00	9.66E-09	3.48E-10	6.75E-10	0.00E+00	0.00E+00	1.02E-09
1191	419469	3740105	2.78E-09	6.93E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	6.93E-09	0.00E+00	0.00E+00	9.71E-09	3.49E-10	6.78E-10	0.00E+00	0.00E+00	1.03E-09
1192	419469	3740114	2.79E-09	6.96E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	6.96E-09	0.00E+00	0.00E+00	9.75E-09	3.51E-10	6.82E-10	0.00E+00	0.00E+00	1.03E-09
1193	419469.1	3740124	2.81E-09	6.99E-09	0.00E+00	0.00E+00	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	6.99E-09	0.00E+00	0.00E+00	9.80E-09	3.53E-10	6.85E-10	0.00E+00	0.00E+00	1.04E-09
1194	419432	3740003	2.41E-09	6.02E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	6.02E-09	0.00E+00	0.00E+00	8.43E-09	3.04E-10	5.89E-10	0.00E+00	0.00E+00	8.93E-10
1195	419435.5	3739994	2.43E-09	6.05E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	6.05E-09	0.00E+00	0.00E+00	8.47E-09	3.05E-10	5.92E-10	0.00E+00	0.00E+00	8.97E-10
1196	419439	3739985	2.44E-09	6.08E-09	0.00E+00	0.00E+00	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	6.08E-09	0.00E+00	0.00E+00	8.52E-09	3.07E-10	5.95E-10	0.00E+00	0.00E+00	9.02E-10
1197	419449.5	3739960	2.47E-09	6.17E-09	0.00E+00	0.00E+00	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	6.17E-09	0.00E+00	0.00E+00	8.64E-09	3.11E-10	6.04E-10	0.00E+00	0.00E+00	9.15E-10
1198	419453.1	3739951	2.49E-09	6.20E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	6.20E-09	0.00E+00	0.00E+00	8.68E-09	3.13E-10	6.07E-10	0.00E+00	0.00E+00	9.20E-10
1199	419456.6	3739943	2.50E-09	6.23E-09	0.00E+00	0.00E+00	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	6.23E-09	0.00E+00	0.00E+00	8.73E-09	3.14E-10	6.10E-10	0.00E+00	0.00E+00	9.24E-10
1200	419460.1	3739934	2.51E-09	6.26E-09	0.00E+00	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	6.26E-09	0.00E+00	0.00E+00	8.77E-09	3.16E-10	6.13E-10	0.00E+00	0.00E+00	9.28E-10
1201	419463.6	3739925	2.52E-09	6.29E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	6.29E-09	0.00E+00	0.00E+00	8.81E-09	3.17E-10	6.16E-10	0.00E+00	0.00E+00	9.33E-10
1202	419467.1	3739917	2.54E-09	6.32E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	6.32E-09	0.00E+00	0.00E+00	8.85E-09	3.19E-10	6.19E-10	0.00E+00	0.00E+00	9.38E-10
1203	419470.6	3739908	2.55E-09	6.35E-09	0.00E+00	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	6.35E-09	0.00E+00	0.00E+00	8.90E-09	3.20E-10	6.22E-10	0.00E+00	0.00E+00	9.42E-10
1204	419474.1	3739900	2.56E-09	6.38E-09	0.00E+00	0.00E+00	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	6.38E-09	0.00E+00	0.00E+00	8.94E-09	3.22E-10	6.25E-10	0.00E+00	0.00E+00	9.47E-10
1205	419477.6	3739891	2.57E-09	6.41E-09	0.00E+00	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	6.41E-09	0.00E+00	0.00E+00	8.98E-09	3.23E-10	6.28E-10	0.00E+00	0.00E+00	9.51E-10
1206	419481.2	3739883	2.58E-09	6.44E-09	0.00E+00	0.00E+00	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	6.44E-09	0.00E+00	0.00E+00	9.03E-09	3.25E-10	6.31E-10	0.00E+00	0.00E+00	9.56E-10
1207	419484.7	3739874	2.60E-09	6.47E-09	0.00E+00	0.00E+00	9.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	6.47E-09	0.00E+00	0.00E+00	9.07E-09	3.27E-10	6.34E-10	0.00E+00	0.00E+00	9.60E-10
1208	419488.2	3739865	2.61E-09	6.50E-09	0.00E+00	0.00E+00	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	6.50E-09	0.00E+00	0.00E+00	9.11E-09	3.28E-10	6.36E-10	0.00E+00	0.00E+00	9.64E-10
1209	419491.7	3739857	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.15E-09	3.29E-10	6.39E-10	0.00E+00	0.00E+00	9.69E-10
1210	419495.2	3739848	2.63E-09	6.56E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	6.56E-09	0.00E+00	0.00E+00	9.20E-09	3.31E-10	6.43E-10	0.00E+00	0.00E+00	9.74E-10
1211	419498.7	3739840	2.65E-09	6.60E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	6.60E-09	0.00E+00	0.00E+00	9.24E-09	3.33E-10	6.46E-10	0.00E+00	0.00E+00	9.79E-10
1212	419502.2	3739831	2.66E-09	6.63E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	6.63E-09	0.00E+00	0.00E+00	9.29E-09	3.34E-10	6.49E-10	0.00E+00	0.00E+00	9.83E-10
1213	419505.8	3739822	2.67E-09	6.66E-09	0.00E+00	0.00E+00	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	6.66E-09	0.00E+00	0.00E+00	9.33E-09	3.36E-10	6.52E-10	0.00E+00	0.00E+00	9.88E-10
1214	419509.3	3739814	2.68E-09	6.68E-09	0.00E+00	0.00E+00	9.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	6.68E-09	0.00E+00	0.00E+00	9.37E-09	3.37E-10	6.55E-10	0.00E+00	0.00E+00	9.92E-10
1215	419512.8	3739805	2.69E-09	6.71E-09	0.00E+00	0.00E+00	9.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	6.71E-09	0.00E+00	0.00E+00	9.41E-09	3.39E-10	6.57E-10	0.00E+00	0.00E+00	9.96E-10
1216	419516.3	3739797	2.70E-09	6.74E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	6.74E-09	0.00E+00	0.00E+00	9.44E-09	3.40E-10	6.60E-10	0.00E+00	0.00E+00	1.00E-09
1217	419519.8	3739788	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.48E-09	3.41E-10	6.62E-10	0.00E+00	0.00E+00	1.00E-09
1218	419523.3	3739780	2.72E-09	6.79E-09	0.00E+00	0.00E+00	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	6.79E-09	0.00E+00	0.00E+00	9.51E-09	3.43E-10	6.65E-10	0.00E+00	0.00E+00	1.01E-09
1219	419428.5	3740011	2.40E-09	5.99E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	5.99E-09	0.00E+00	0.00E+00	8.39E-09	3.02E-10	5.86E-10	0.00E+00	0.00E+00	8.89E-10
1220	419428.5	3740021	2.41E-09	6.02E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	6.02E-09	0.00E+00	0.00E+00	8.43E-09	3.04E-10	5.89E-10	0.00E+00	0.00E+00	8.93E-10
1221	419428.6	3740030	2.43E-09	6.04E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	6.04E-09	0.00E+00	0.00E+00	8.47E-09	3.05E-10	5.92E-10	0.00E+00	0.00E+00	8.97E-10
1222	419428.6	3740039	2.44E-09	6.07E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	6.07E-09	0.00E+00	0.00E+00	8.51E-09	3.06E-10	5.95E-10	0.00E+00	0.00E+00	9.01E-10
1223	419428.7	3740049	2.45E-09	6.10E-09	0.00E+00	0.00E+00	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	6.10E-09	0.00E+00	0.00E+00	8.54E-09	3.08E-10	5.97E-10	0.00E+00	0.00E+00	9.04E-10
1224	419428.7	3740058	2.45E-09	6.12E-09	0.00E+00	0.00E+00	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	6.12E-09	0.00E+00	0.00E+00	8.57E-09	3.09E-10	5.99E-10	0.00E+00	0.00E+00	9.08E-10
1225	419428.8	3740068	2.46E-09	6.14E-09	0.00E+00	0.00E+00	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	6.14E-09	0.00E+00	0.00E+00	8.61E-09	3.10E-10	6.01E-10	0.00E+00	0.00E+00	9.11E-10
1226	419428.8	3740077	2.47E-09	6.17E-09	0.00E+00	0.00E+00	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	6.17E-09	0.00E+00	0.00E+00	8.64E-09	3.11E-10	6.04E-10	0.00E+00	0.00E+00	9.15E-10
1227	419428.9	3740086	2.49E-09	6.20E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	6.20E-09	0.00E+00	0.00E+00	8.68E-09	3.13E-10	6.07E-10	0.00E+00	0.00E+00	9.20E-10
1228	419428.9	3740096	2.50E-09	6.23E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	6.23E-09	0

1277	419398.2	3739890	2.14E-09	5.34E-09	0.00E+00	0.00E+00	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	5.34E-09	0.00E+00	0.00E+00	7.48E-09	2.69E-10	5.22E-10	0.00E+00	0.00E+00	7.92E-10
1278	419401.7	3739882	2.15E-09	5.36E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	5.36E-09	0.00E+00	0.00E+00	7.51E-09	2.70E-10	5.25E-10	0.00E+00	0.00E+00	7.95E-10
1279	419405.3	3739873	2.16E-09	5.38E-09	0.00E+00	0.00E+00	7.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	5.38E-09	0.00E+00	0.00E+00	7.54E-09	2.72E-10	5.27E-10	0.00E+00	0.00E+00	7.98E-10
1280	419408.8	3739864	2.17E-09	5.40E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	5.40E-09	0.00E+00	0.00E+00	7.57E-09	2.73E-10	5.29E-10	0.00E+00	0.00E+00	8.02E-10
1281	419423	3739830	2.20E-09	5.49E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	5.49E-09	0.00E+00	0.00E+00	7.69E-09	2.77E-10	5.37E-10	0.00E+00	0.00E+00	8.14E-10
1282	419426.6	3739821	2.21E-09	5.51E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	5.51E-09	0.00E+00	0.00E+00	7.72E-09	2.78E-10	5.39E-10	0.00E+00	0.00E+00	8.17E-10
1283	419430.1	3739812	2.22E-09	5.53E-09	0.00E+00	0.00E+00	7.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	5.53E-09	0.00E+00	0.00E+00	7.74E-09	2.79E-10	5.41E-10	0.00E+00	0.00E+00	8.20E-10
1284	419433.7	3739804	2.23E-09	5.55E-09	0.00E+00	0.00E+00	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	5.55E-09	0.00E+00	0.00E+00	7.77E-09	2.80E-10	5.43E-10	0.00E+00	0.00E+00	8.23E-10
1285	419437.2	3739795	2.23E-09	5.56E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	5.56E-09	0.00E+00	0.00E+00	7.80E-09	2.81E-10	5.45E-10	0.00E+00	0.00E+00	8.26E-10
1286	419440.8	3739786	2.24E-09	5.58E-09	0.00E+00	0.00E+00	7.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	5.58E-09	0.00E+00	0.00E+00	7.82E-09	2.82E-10	5.47E-10	0.00E+00	0.00E+00	8.28E-10
1287	419444.3	3739778	2.25E-09	5.60E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	5.60E-09	0.00E+00	0.00E+00	7.84E-09	2.82E-10	5.48E-10	0.00E+00	0.00E+00	8.31E-10
1288	419348.7	3740059	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.12E-09	2.56E-10	4.98E-10	0.00E+00	0.00E+00	7.54E-10
1289	419348.8	3740068	2.05E-09	5.10E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.10E-09	0.00E+00	0.00E+00	7.15E-09	2.58E-10	5.00E-10	0.00E+00	0.00E+00	7.57E-10
1290	419348.8	3740077	2.06E-09	5.13E-09	0.00E+00	0.00E+00	7.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.13E-09	0.00E+00	0.00E+00	7.18E-09	2.59E-10	5.02E-10	0.00E+00	0.00E+00	7.61E-10
1291	419348.9	3740087	2.07E-09	5.15E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	5.15E-09	0.00E+00	0.00E+00	7.21E-09	2.60E-10	5.04E-10	0.00E+00	0.00E+00	7.64E-10
1292	419348.9	3740096	2.07E-09	5.17E-09	0.00E+00	0.00E+00	7.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	5.17E-09	0.00E+00	0.00E+00	7.24E-09	2.61E-10	5.06E-10	0.00E+00	0.00E+00	7.67E-10
1293	419349	3740106	2.08E-09	5.19E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	5.19E-09	0.00E+00	0.00E+00	7.27E-09	2.62E-10	5.08E-10	0.00E+00	0.00E+00	7.70E-10
1294	419349	3740115	2.09E-09	5.21E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	5.21E-09	0.00E+00	0.00E+00	7.30E-09	2.63E-10	5.10E-10	0.00E+00	0.00E+00	7.73E-10
1295	419349.1	3740124	2.10E-09	5.23E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	5.23E-09	0.00E+00	0.00E+00	7.34E-09	2.64E-10	5.13E-10	0.00E+00	0.00E+00	7.77E-10
1296	419312	3740003	1.84E-09	4.60E-09	0.00E+00	0.00E+00	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.60E-09	0.00E+00	0.00E+00	6.44E-09	2.32E-10	4.50E-10	0.00E+00	0.00E+00	6.82E-10
1297	419333	3739952	1.90E-09	4.72E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	4.72E-09	0.00E+00	0.00E+00	6.62E-09	2.38E-10	4.62E-10	0.00E+00	0.00E+00	7.01E-10
1298	419336.5	3739943	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	2.39E-10	4.64E-10	0.00E+00	0.00E+00	7.04E-10
1299	419340.1	3739935	1.91E-09	4.76E-09	0.00E+00	0.00E+00	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.76E-09	0.00E+00	0.00E+00	6.67E-09	2.40E-10	4.66E-10	0.00E+00	0.00E+00	7.06E-10
1300	419343.6	3739926	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.70E-09	2.41E-10	4.68E-10	0.00E+00	0.00E+00	7.09E-10
1301	419347.1	3739918	1.93E-09	4.80E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	4.80E-09	0.00E+00	0.00E+00	6.73E-09	2.42E-10	4.70E-10	0.00E+00	0.00E+00	7.13E-10
1302	419350.6	3739909	1.94E-09	4.83E-09	0.00E+00	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	4.83E-09	0.00E+00	0.00E+00	6.77E-09	2.44E-10	4.73E-10	0.00E+00	0.00E+00	7.17E-10
1303	419354.1	3739900	1.95E-09	4.86E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	4.86E-09	0.00E+00	0.00E+00	6.81E-09	2.45E-10	4.76E-10	0.00E+00	0.00E+00	7.21E-10
1304	419357.6	3739892	1.96E-09	4.88E-09	0.00E+00	0.00E+00	6.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	4.88E-09	0.00E+00	0.00E+00	6.84E-09	2.46E-10	4.78E-10	0.00E+00	0.00E+00	7.24E-10
1305	419361.1	3739883	1.97E-09	4.90E-09	0.00E+00	0.00E+00	6.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	4.90E-09	0.00E+00	0.00E+00	6.87E-09	2.47E-10	4.80E-10	0.00E+00	0.00E+00	7.28E-10
1306	419364.6	3739875	1.98E-09	4.92E-09	0.00E+00	0.00E+00	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	4.92E-09	0.00E+00	0.00E+00	6.90E-09	2.48E-10	4.82E-10	0.00E+00	0.00E+00	7.30E-10
1307	419368.1	3739866	1.98E-09	4.94E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	4.94E-09	0.00E+00	0.00E+00	6.92E-09	2.49E-10	4.84E-10	0.00E+00	0.00E+00	7.33E-10
1308	419371.6	3739858	1.99E-09	4.96E-09	0.00E+00	0.00E+00	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	4.96E-09	0.00E+00	0.00E+00	6.95E-09	2.50E-10	4.85E-10	0.00E+00	0.00E+00	7.36E-10
1309	419375.2	3739849	2.00E-09	4.98E-09	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	4.98E-09	0.00E+00	0.00E+00	6.97E-09	2.51E-10	4.87E-10	0.00E+00	0.00E+00	7.39E-10
1310	419378.7	3739840	2.01E-09	5.00E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	5.00E-09	0.00E+00	0.00E+00	7.00E-09	2.52E-10	4.89E-10	0.00E+00	0.00E+00	7.42E-10
1311	419382.2	3739832	2.01E-09	5.02E-09	0.00E+00	0.00E+00	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	5.02E-09	0.00E+00	0.00E+00	7.03E-09	2.53E-10	4.91E-10	0.00E+00	0.00E+00	7.45E-10
1312	419385.7	3739823	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	2.54E-10	4.93E-10	0.00E+00	0.00E+00	7.48E-10
1313	419389.2	3739815	2.03E-09	5.06E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	5.06E-09	0.00E+00	0.00E+00	7.09E-09	2.55E-10	4.95E-10	0.00E+00	0.00E+00	7.50E-10
1314	419392.7	3739806	2.04E-09	5.07E-09	0.00E+00	0.00E+00	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.07E-09	0.00E+00	0.00E+00	7.11E-09	2.56E-10	4.97E-10	0.00E+00	0.00E+00	7.53E-10
1315	419396.2	3739798	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.13E-09	2.57E-10	4.98E-10	0.00E+00	0.00E+00	7.55E-10
1316	419399.7	3739789	2.05E-09	5.10E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.10E-09	0.00E+00	0.00E+00	7.15E-09	2.58E-10	5.00E-10	0.00E+00	0.00E+00	7.57E-10
1317	419403.2	3739780	2.05E-09	5.12E-09	0.00E+00	0.00E+00	7.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.12E-09	0.00E+00	0.00E+00	7.18E-09	2.58E-10	5.01E-10	0.00E+00	0.00E+00	7.60E-10
1318	419308.5	3740012	1.83E-09	4.57E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	4.57E-09	0.00E+00	0.00E+00	6.41E-09	2.31E-10	4.48E-10	0.00E+00	0.00E+00	6.78E-10
1319	419308.5	3740021	1.84E-09	4.58E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.58E-09	0.00E+00	0.00E+00	6.42E-09	2.31E-10	4.49E-10	0.00E+00	0.00E+00	6.80E-10
1320	419308.6	3740031	1.84E-09	4.59E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.59E-09	0.00E+00	0.00E+00	6.43E-09	2.32E-10	4.50E-10	0.00E+00	0.00E+00	6.81E-10
1321	419308.6	3740040	1.85E-09	4.60E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	4.60E-09	0.00E+00	0.00E+00	6.45E-09	2.32E-10	4.51E-10	0.00E+00	0.00E+00	6.83E-10
1322	419308.7	3740049	1.86E-09	4.63E-09	0.00E+00	0.00E+00	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	4.63E-09	0.00E+00	0.00E+00	6.48E-09	2.33E-10	4.53E-10	0.00E+00	0.00E+00	6.86E-10
1323	419308.7	3740059	1.87E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	2.35E-10	4.55E-10	0.00E+00	0.00E+00	6.90E-10
1324	419308.8	3740068	1.87E-09	4.67E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	4.67E-09	0.00E+00	0.00E+00	6.55E-09	2.36E-10	4.58E-10	0.00E+00	0.00E+00	6.93E-10
1325	419308.8	3740078	1.88E-09	4.69E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	4.69E-09	0.00E+00	0.00E+00	6.58E-09	2.37E-10	4.60E-10	0.00E+00	0.00E+00	6.96E-10
1326	419308.9	3740087	1.89E-09	4.71E-09	0.00E+00	0.00E+00	6.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	4.71E-09	0.00E+00	0.00E+00	6.60E-09	2.38E-10	4.62E-10	0.00E+00	0.00E+00	6.99E-10
1327	419308.9	3740096	1.90E-09	4.73E-09	0.00E+00	0.00E+00	6.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	4.73E-09	0.00E+00	0.00E+00	6.63E-09	2.39E-10	4.64E-10	0.00E+00	0.00E+00	7.02E-10
1328	419309	3740106	1.91E-09	4.75E-09	0.00E+00	0.00E+00	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.75E-09	0.00E+00	0.00E+00	6.66E-09	2.40E-10	4.65E-10	0.00E+00	0.00E+00	7.05E-10
1329	419309	3740115	1.92E-09	4.77E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.77E-09	0.00E+00	0.00E+00	6.69E-09	2.41E-10	4.67E-10	0.00E+00	0.00E+00	7.08E-10
1330	419309.1	3740125	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.72E-09	2.42E-10	4.69E-10	0.00E+00	0.00E+00	7.11E-10
1331	419272	3740003	1.70E-09	4.24E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	4.24E-09	0.00E+00	0.00E+00	5.93E-09	2.14E-10	4.15E-10	0.00E+00	0.00E+00	6.28E-10
1332	419275.5	3739995	1.71E-09	4.25E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	4.25E-09	0.00E+00	0.00E+00	5.96E-09	2.15E-10	4.17E-10	0.00E+00	0.00E+00	6.31E-10
1333	419279	3739986	1.71E-09	4.27E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	4.27E-09	0.00E+00	0.00E+00	5.99E-09	2.16E-10	4.18E-10	0.00E+00	0.00E+00	6.34E-10
1334	419282.6	3739978	1.72E-09	4.29E-09	0.00E+00	0.00E+00	6.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	4.29E-09	0.00E+00	0.00E+00	6.02E-09	2.17E-10	4.20E-10	0.00E+00	0.00E+00	6.37E-10
1335	419286.1	3739969	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.04E-09	2.18E-10	4.22E-10	0.00E+00	0.00E+00	6.40E-10
1336	419289.6	3739960	1.74E-09	4.33E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	4.33E-09	0.00E+00	0.00E+00	6.07E-09	2.18E-10	4.24E-10	0.00E+00	0.00E+00	6.42E-10
1337	419314.3	3739900	1.79E-09	4.46E-09	0.00E+00	0.00E+00	6.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-09	4.46E-09	0.00E+00	0.00E+00	6.25E-09	2.25E-10	4.37E-10	0.00E+00	0.00E+00	6.62E-10
1338	419317.8	3739892	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	2.26E-10	4.39E-10	0.00E+00	0.00E+00	6.65E-10
1339	419321.4	3739883	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	2.28E-10	4.42E-10	0.00E+00	0.00E+00	6.69E-10
1340	419324.9	3739874	1.82E-09	4.53E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	4.53E-09	0.00E+00	0.00E+00	6.35E-09	2.29E-10	4.44E-10	0.00E+00	0.00E+00	6.72E-10
1341	419328.4	3739866	1.82E-09	4.55E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	4.55E-09	0.00E+00	0.00E+00	6.37E-09	2.29E-10	4.45E-10	0.00E+00	0.00E+00	6.75E-10
1342	419331.9	3739857	1.83E-09	4.56E-09	0.00E+00	0.00E+00	6.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	4.56E-09	0.00E+00	0.00E+00	6.39E-09	2.30E-10	4.47E-10	0.00E+00	0.00E+00	6.77E-10
1343	419335.5	3739848	1.84E-09	4.58E-09	0.00E+00	0.00E+00	6.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.58E-09	0.00E+00	0.00E+00	6.42E-09	2.31E-10	4.48E-10	0.00E+00	0.00E+00	6.79E-10
1344	419339	3739840	1.84E-09	4.60E-09	0.00E+00	0.00E+00	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.60E-09	0.00E+00	0.00E+00	6.44E-09	2.32E-10	4.50E-10	0.00E+00	0.00E+00	6.82E-10
1345	419342.5	3739831	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.46E-09	2.33E-10	4.52E-10	0.00E+00	0.00E+00	6.84E-10
1346	419346.1	3739823	1.86E-09	4.63E-09	0.00E+00	0.00E+00	6.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	4.63E-09	0.00E+00	0.00E+00	6.49E-09	2.34E-10	4.53E-10	0.00E+00	0.00E+00	6.87E-10
1347	419349.6	3739814	1.86E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	2.34E-10	4.55E-10	0.00E+00	0.00E+00	6.89E-10
1348	419353.1	3739805	1.87E-09	4.66E-09	0.00E+00	0.00E+00	6.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	4.66E-09	0.00E+00	0.00E+00	6.53E-09	2.35E-10	4.57E-10	0.00E+00	0.00E+00	6.92E-10
1349	419374.3	3739754	1.91E-09	4.76E-09	0.00E+00	0.00E+00	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.76E-09	0.00E+00	0.00E+00	6.67E-09	2.40E-10	4.66E-10	0.00E+00	0.00E+00	7.06E-10
1350	419268.5	3740012	1.69E-09	4.22E-09	0.00E+00	0.00E+00	5.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	4.22E-09	0.00E+00	0.00E+00	5.91E-09	2.13E-10	4.13E-10	0.00E+00	0.00E+00	6.26E-10
1351	419268.5	3740022	1.70E-09	4.23E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	4.23E-09	0.00E+00	0.00E+00	5.93E-09	2.13E-10	4.14E-10	0.00E+00	0.00E+00	6.28E-10
1352	419268.6	3740031	1.70E-09	4.24E-09	0.00E+00	0.00E+00	5.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	4.24E-09	0.00E+00	0.00E+00	5.95E-09	2.14E-10	4.16E-10	0.00E+00	0.00E+00	6.30E-10
1353	419268.6	3740040	1.71E-09	4.26E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	4.26E-09	0.00E+00	0.00E+00	5.97E-09	2.15E-10	4.17E-10	0.00E+00	0.00E+00	6.32E-10
1354	419268.7	3740050	1.71E-09	4.27E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	4.27E-09	0.00E+00	0.00E+00	5.99E-09	2.16E-10	4.18E-10	0.00E+00	0.00E+00	6.34E-10
1355	419268.7	3740059	1.72E-09	4.29E-09	0.00E+00	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	4.29E-09	0.00E+00	0.00E+00	6.01E-09	2.16E-10	4.20E-10	0.00E+00	0.00E+00	6.36E-10
1356	419268.8	3740068	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.03E

1405	419224	3739926	1.52E-09	3.79E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	3.79E-09	0.00E+00	0.00E+00	5.30E-09	1.91E-10	3.71E-10	0.00E+00	0.00E+00	5.62E-10
1406	419227.6	3739917	1.53E-09	3.80E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	3.80E-09	0.00E+00	0.00E+00	5.33E-09	1.92E-10	3.72E-10	0.00E+00	0.00E+00	5.64E-10
1407	419231.1	3739908	1.53E-09	3.82E-09	0.00E+00	0.00E+00	5.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	3.82E-09	0.00E+00	0.00E+00	5.35E-09	1.93E-10	3.74E-10	0.00E+00	0.00E+00	5.66E-10
1408	419234.7	3739900	1.54E-09	3.83E-09	0.00E+00	0.00E+00	5.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	3.83E-09	0.00E+00	0.00E+00	5.37E-09	1.93E-10	3.75E-10	0.00E+00	0.00E+00	5.68E-10
1409	419238.3	3739891	1.54E-09	3.85E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	3.85E-09	0.00E+00	0.00E+00	5.39E-09	1.94E-10	3.77E-10	0.00E+00	0.00E+00	5.71E-10
1410	419241.8	3739882	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.41E-09	1.95E-10	3.78E-10	0.00E+00	0.00E+00	5.73E-10
1411	419273.8	3739804	1.60E-09	3.99E-09	0.00E+00	0.00E+00	5.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	3.99E-09	0.00E+00	0.00E+00	5.59E-09	2.01E-10	3.90E-10	0.00E+00	0.00E+00	5.92E-10
1412	419277.4	3739795	1.60E-09	4.00E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	4.00E-09	0.00E+00	0.00E+00	5.60E-09	2.02E-10	3.92E-10	0.00E+00	0.00E+00	5.93E-10
1413	419280.9	3739787	1.61E-09	4.01E-09	0.00E+00	0.00E+00	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	4.01E-09	0.00E+00	0.00E+00	5.62E-09	2.02E-10	3.93E-10	0.00E+00	0.00E+00	5.95E-10
1414	419284.5	3739778	1.62E-09	4.03E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	4.03E-09	0.00E+00	0.00E+00	5.64E-09	2.03E-10	3.94E-10	0.00E+00	0.00E+00	5.97E-10
1415	419288	3739769	1.62E-09	4.04E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	4.04E-09	0.00E+00	0.00E+00	5.66E-09	2.04E-10	3.96E-10	0.00E+00	0.00E+00	5.99E-10
1416	419291.6	3739761	1.63E-09	4.05E-09	0.00E+00	0.00E+00	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	4.05E-09	0.00E+00	0.00E+00	5.68E-09	2.04E-10	3.97E-10	0.00E+00	0.00E+00	6.01E-10
1417	419188.5	3740013	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.08E-09	1.83E-10	3.55E-10	0.00E+00	0.00E+00	5.38E-10
1418	419188.5	3740022	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.09E-09	1.83E-10	3.56E-10	0.00E+00	0.00E+00	5.39E-10
1419	419188.6	3740031	1.46E-09	3.64E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.64E-09	0.00E+00	0.00E+00	5.10E-09	1.84E-10	3.57E-10	0.00E+00	0.00E+00	5.40E-10
1420	419188.6	3740041	1.46E-09	3.65E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.65E-09	0.00E+00	0.00E+00	5.11E-09	1.84E-10	3.57E-10	0.00E+00	0.00E+00	5.41E-10
1421	419188.7	3740050	1.47E-09	3.66E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	3.66E-09	0.00E+00	0.00E+00	5.13E-09	1.85E-10	3.58E-10	0.00E+00	0.00E+00	5.43E-10
1422	419188.7	3740060	1.47E-09	3.67E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	3.67E-09	0.00E+00	0.00E+00	5.14E-09	1.85E-10	3.59E-10	0.00E+00	0.00E+00	5.45E-10
1423	419188.8	3740069	1.48E-09	3.68E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	3.68E-09	0.00E+00	0.00E+00	5.16E-09	1.86E-10	3.60E-10	0.00E+00	0.00E+00	5.46E-10
1424	419188.8	3740078	1.48E-09	3.70E-09	0.00E+00	0.00E+00	5.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	3.70E-09	0.00E+00	0.00E+00	5.18E-09	1.87E-10	3.62E-10	0.00E+00	0.00E+00	5.49E-10
1425	419188.9	3740088	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.20E-09	1.87E-10	3.64E-10	0.00E+00	0.00E+00	5.51E-10
1426	419188.9	3740097	1.50E-09	3.73E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	3.73E-09	0.00E+00	0.00E+00	5.23E-09	1.88E-10	3.65E-10	0.00E+00	0.00E+00	5.54E-10
1427	419189	3740107	1.50E-09	3.74E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	3.74E-09	0.00E+00	0.00E+00	5.25E-09	1.89E-10	3.67E-10	0.00E+00	0.00E+00	5.55E-10
1428	419189	3740116	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.26E-09	1.90E-10	3.68E-10	0.00E+00	0.00E+00	5.57E-10
1429	419189.1	3740125	1.51E-09	3.77E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	3.77E-09	0.00E+00	0.00E+00	5.28E-09	1.90E-10	3.69E-10	0.00E+00	0.00E+00	5.59E-10
1430	419152	3740004	1.36E-09	3.38E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	3.38E-09	0.00E+00	0.00E+00	4.74E-09	1.71E-10	3.31E-10	0.00E+00	0.00E+00	5.02E-10
1431	419155.5	3739996	1.36E-09	3.39E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	3.39E-09	0.00E+00	0.00E+00	4.75E-09	1.71E-10	3.32E-10	0.00E+00	0.00E+00	5.03E-10
1432	419159	3739987	1.36E-09	3.40E-09	0.00E+00	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	3.40E-09	0.00E+00	0.00E+00	4.76E-09	1.72E-10	3.33E-10	0.00E+00	0.00E+00	5.04E-10
1433	419162.6	3739978	1.37E-09	3.41E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	3.41E-09	0.00E+00	0.00E+00	4.78E-09	1.72E-10	3.34E-10	0.00E+00	0.00E+00	5.07E-10
1434	419166.1	3739970	1.38E-09	3.43E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.43E-09	0.00E+00	0.00E+00	4.81E-09	1.73E-10	3.36E-10	0.00E+00	0.00E+00	5.09E-10
1435	419169.6	3739961	1.38E-09	3.45E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.45E-09	0.00E+00	0.00E+00	4.84E-09	1.74E-10	3.38E-10	0.00E+00	0.00E+00	5.12E-10
1436	419173.1	3739953	1.39E-09	3.47E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	3.47E-09	0.00E+00	0.00E+00	4.86E-09	1.75E-10	3.39E-10	0.00E+00	0.00E+00	5.14E-10
1437	419176.6	3739944	1.40E-09	3.48E-09	0.00E+00	0.00E+00	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.48E-09	0.00E+00	0.00E+00	4.88E-09	1.76E-10	3.41E-10	0.00E+00	0.00E+00	5.17E-10
1438	419180.2	3739935	1.40E-09	3.50E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.50E-09	0.00E+00	0.00E+00	4.90E-09	1.77E-10	3.43E-10	0.00E+00	0.00E+00	5.19E-10
1439	419183.7	3739927	1.41E-09	3.52E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	3.52E-09	0.00E+00	0.00E+00	4.93E-09	1.77E-10	3.44E-10	0.00E+00	0.00E+00	5.22E-10
1440	419187.2	3739918	1.42E-09	3.53E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	3.53E-09	0.00E+00	0.00E+00	4.95E-09	1.78E-10	3.46E-10	0.00E+00	0.00E+00	5.24E-10
1441	419190.7	3739910	1.42E-09	3.55E-09	0.00E+00	0.00E+00	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	3.55E-09	0.00E+00	0.00E+00	4.97E-09	1.79E-10	3.47E-10	0.00E+00	0.00E+00	5.26E-10
1442	419194.3	3739901	1.43E-09	3.56E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	3.56E-09	0.00E+00	0.00E+00	4.99E-09	1.80E-10	3.49E-10	0.00E+00	0.00E+00	5.28E-10
1443	419197.8	3739892	1.43E-09	3.58E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	3.58E-09	0.00E+00	0.00E+00	5.01E-09	1.80E-10	3.50E-10	0.00E+00	0.00E+00	5.31E-10
1444	419225.9	3739824	1.48E-09	3.68E-09	0.00E+00	0.00E+00	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	3.68E-09	0.00E+00	0.00E+00	5.15E-09	1.86E-10	3.60E-10	0.00E+00	0.00E+00	5.46E-10
1445	419229.5	3739815	1.48E-09	3.69E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	3.69E-09	0.00E+00	0.00E+00	5.17E-09	1.86E-10	3.61E-10	0.00E+00	0.00E+00	5.47E-10
1446	419233	3739806	1.49E-09	3.70E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	3.70E-09	0.00E+00	0.00E+00	5.19E-09	1.87E-10	3.63E-10	0.00E+00	0.00E+00	5.49E-10
1447	419236.5	3739798	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.21E-09	1.87E-10	3.64E-10	0.00E+00	0.00E+00	5.51E-10
1448	419240	3739789	1.50E-09	3.73E-09	0.00E+00	0.00E+00	5.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	3.73E-09	0.00E+00	0.00E+00	5.22E-09	1.88E-10	3.65E-10	0.00E+00	0.00E+00	5.53E-10
1449	419243.6	3739781	1.50E-09	3.74E-09	0.00E+00	0.00E+00	5.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	3.74E-09	0.00E+00	0.00E+00	5.24E-09	1.89E-10	3.66E-10	0.00E+00	0.00E+00	5.55E-10
1450	419247.1	3739772	1.50E-09	3.75E-09	0.00E+00	0.00E+00	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	3.75E-09	0.00E+00	0.00E+00	5.25E-09	1.89E-10	3.67E-10	0.00E+00	0.00E+00	5.56E-10
1451	419250.6	3739763	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.27E-09	1.90E-10	3.68E-10	0.00E+00	0.00E+00	5.58E-10
1452	419254.1	3739755	1.51E-09	3.77E-09	0.00E+00	0.00E+00	5.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	3.77E-09	0.00E+00	0.00E+00	5.28E-09	1.90E-10	3.69E-10	0.00E+00	0.00E+00	5.59E-10
1453	419148.5	3740013	1.35E-09	3.37E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	3.37E-09	0.00E+00	0.00E+00	4.72E-09	1.70E-10	3.30E-10	0.00E+00	0.00E+00	5.00E-10
1454	419148.5	3740022	1.35E-09	3.38E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	3.38E-09	0.00E+00	0.00E+00	4.73E-09	1.70E-10	3.31E-10	0.00E+00	0.00E+00	5.01E-10
1455	419148.6	3740032	1.36E-09	3.39E-09	0.00E+00	0.00E+00	4.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	3.39E-09	0.00E+00	0.00E+00	4.74E-09	1.71E-10	3.31E-10	0.00E+00	0.00E+00	5.02E-10
1456	419148.6	3740041	1.36E-09	3.39E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	3.39E-09	0.00E+00	0.00E+00	4.75E-09	1.71E-10	3.32E-10	0.00E+00	0.00E+00	5.03E-10
1457	419148.7	3740050	1.37E-09	3.40E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	3.40E-09	0.00E+00	0.00E+00	4.77E-09	1.72E-10	3.33E-10	0.00E+00	0.00E+00	5.05E-10
1458	419148.7	3740060	1.37E-09	3.41E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	3.41E-09	0.00E+00	0.00E+00	4.78E-09	1.72E-10	3.34E-10	0.00E+00	0.00E+00	5.06E-10
1459	419148.8	3740069	1.37E-09	3.42E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	3.42E-09	0.00E+00	0.00E+00	4.80E-09	1.73E-10	3.35E-10	0.00E+00	0.00E+00	5.08E-10
1460	419148.8	3740079	1.38E-09	3.44E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.44E-09	0.00E+00	0.00E+00	4.82E-09	1.74E-10	3.37E-10	0.00E+00	0.00E+00	5.10E-10
1461	419148.9	3740088	1.39E-09	3.45E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	3.45E-09	0.00E+00	0.00E+00	4.84E-09	1.74E-10	3.38E-10	0.00E+00	0.00E+00	5.13E-10
1462	419148.9	3740097	1.39E-09	3.47E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	3.47E-09	0.00E+00	0.00E+00	4.86E-09	1.75E-10	3.40E-10	0.00E+00	0.00E+00	5.15E-10
1463	419149	3740107	1.40E-09	3.48E-09	0.00E+00	0.00E+00	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.48E-09	0.00E+00	0.00E+00	4.88E-09	1.76E-10	3.41E-10	0.00E+00	0.00E+00	5.17E-10
1464	419149	3740116	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.89E-09	1.76E-10	3.42E-10	0.00E+00	0.00E+00	5.18E-10
1465	419149.1	3740126	1.41E-09	3.50E-09	0.00E+00	0.00E+00	4.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	3.50E-09	0.00E+00	0.00E+00	4.91E-09	1.77E-10	3.43E-10	0.00E+00	0.00E+00	5.20E-10
1466	419143.8	3739927	1.32E-09	3.28E-09	0.00E+00	0.00E+00	4.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	3.28E-09	0.00E+00	0.00E+00	4.59E-09	1.65E-10	3.21E-10	0.00E+00	0.00E+00	4.87E-10
1467	419147.4	3739918	1.32E-09	3.29E-09	0.00E+00	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-09	3.29E-09	0.00E+00	0.00E+00	4.61E-09	1.66E-10	3.22E-10	0.00E+00	0.00E+00	4.88E-10
1468	419150.9	3739909	1.33E-09	3.31E-09	0.00E+00	0.00E+00	4.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	3.31E-09	0.00E+00	0.00E+00	4.63E-09	1.67E-10	3.24E-10	0.00E+00	0.00E+00	4.91E-10
1469	419154.4	3739901	1.33E-09	3.32E-09	0.00E+00	0.00E+00	4.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-09	3.32E-09	0.00E+00	0.00E+00	4.65E-09	1.68E-10	3.25E-10	0.00E+00	0.00E+00	4.93E-10
1470	419158	3739892	1.34E-09	3.34E-09	0.00E+00	0.00E+00	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-09	3.34E-09	0.00E+00	0.00E+00	4.67E-09	1.68E-10	3.27E-10	0.00E+00	0.00E+00	4.95E-10
1471	419182.7	3739832	1.37E-09	3.42E-09	0.00E+00	0.00E+00	4.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	3.42E-09	0.00E+00	0.00E+00	4.79E-09	1.72E-10	3.35E-10	0.00E+00	0.00E+00	5.07E-10
1472	419186.2	3739823	1.38E-09	3.43E-09	0.00E+00	0.00E+00	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.43E-09	0.00E+00	0.00E+00	4.80E-09	1.73E-10	3.36E-10	0.00E+00	0.00E+00	5.09E-10
1473	419189.8	3739814	1.38E-09	3.44E-09	0.00E+00	0.00E+00	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.44E-09	0.00E+00	0.00E+00	4.82E-09	1.74E-10	3.37E-10	0.00E+00	0.00E+00	5.10E-10
1474	419193.3	3739806	1.38E-09	3.45E-09	0.00E+00	0.00E+00	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.45E-09	0.00E+00	0.00E+00	4.83E-09	1.74E-10	3.38E-10	0.00E+00	0.00E+00	5.12E-10
1475	419196.9	3739797	1.39E-09	3.46E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	3.46E-09	0.00E+00	0.00E+00	4.85E-09	1.75E-10	3.39E-10	0.00E+00	0.00E+00	5.14E-10
1476	419200.4	3739788	1.39E-09	3.47E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	3.47E-09	0.00E+00	0.00E+00	4.86E-09	1.75E-10	3.40E-10	0.00E+00	0.00E+00	5.15E-10
1477	419203.9	3739780	1.40E-09	3.48E-09	0.00E+00	0.00E+00	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.48E-09	0.00E+00	0.00E+00	4.88E-09	1.76E-10	3.41E-10	0.00E+00	0.00E+00	5.16E-10
1478	419207.5	3739771	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.89E-09	1.76E-10	3.42E-10	0.00E+00	0.00E+00	5.18E-10
1479	419211	3739763	1.40E-09	3.50E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.50E-09	0.00E+00	0.00E+00	4.90E-09	1.77E-10	3.43E-10	0.00E+00	0.00E+00	5.19E-10
1480	419072	3740005	1.19E-09	2.97E-09	0.00E+00	0.00E+00	4.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	2.97E-09	0.00E+00	0.00E+00	4.16E-09	1.50E-10	2.91E-10	0.00E+00	0.00E+00	4.41E-10
1481	419075.6	3739996	1.20E-09	2.98E-09	0.00E+00	0.00E+00	4.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.98E-09	0.00E+00	0.00E+00	4.18E-09	1.51E-10	2.92E-10	0.00E+00	0.00E+00	4.43E-10
1482	419079.1	3739987	1.20E-09	2.99E-09	0.00E+00	0.00E+00	4.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09	2.99E-09	0.00E+00	0.00E+00	4.19E-09	1.51E-10	2.93E-10	0.00E+00	0.00E+00	4.44E-10
1483	419082.7	3739979	1.21E-09	3.00E-09	0.00E+00	0.00E+00	4.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	3.00E-09	0.00E+00	0.00E+00	4.21E-09	1.52E-10	2.94E-10	0.00E+00	0.00E+00	4.46E-10
1484	419086.2	3739970	1.21E-09	3.01E-09	0.00E+00	0.00E+00	4.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-09	3.01E-09	0.00E+00	0.00E+00	4.22E-09

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1661	419991.8	3740145	3.87E-08	9.64E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-08	9.64E-08	0.00E+00	0.00E+00	1.35E-07	4.87E-09	9.44E-09	0.00E+00	0.00E+00	1.43E-08
1662	419987.6	3740137	3.86E-08	9.63E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-08	9.63E-08	0.00E+00	0.00E+00	1.35E-07	4.86E-09	9.43E-09	0.00E+00	0.00E+00	1.43E-08
1663	419983.3	3740129	3.82E-08	9.53E-08	0.00E+00	0.00E+00	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-08	9.53E-08	0.00E+00	0.00E+00	1.33E-07	4.81E-09	9.33E-09	0.00E+00	0.00E+00	1.41E-08
1664	420099.2	3740205	5.63E-08	1.40E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	1.40E-07	0.00E+00	0.00E+00	1.97E-07	7.08E-09	1.37E-08	0.00E+00	0.00E+00	2.08E-08
1665	420108.6	3740202	6.34E-08	1.58E-07	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.58E-07	0.00E+00	0.00E+00	2.22E-07	7.98E-09	1.55E-08	0.00E+00	0.00E+00	2.35E-08
1666	420117.9	3740199	7.12E-08	1.78E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-08	1.78E-07	0.00E+00	0.00E+00	2.49E-07	8.96E-09	1.74E-08	0.00E+00	0.00E+00	2.63E-08
1667	420127.3	3740195	7.99E-08	1.99E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-08	1.99E-07	0.00E+00	0.00E+00	2.79E-07	1.00E-08	1.95E-08	0.00E+00	0.00E+00	2.95E-08
1668	420136.6	3740192	8.89E-08	2.22E-07	0.00E+00	0.00E+00	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-08	2.22E-07	0.00E+00	0.00E+00	3.11E-07	1.12E-08	2.17E-08	0.00E+00	0.00E+00	3.29E-08
1669	420145.9	3740189	9.79E-08	2.44E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-08	2.44E-07	0.00E+00	0.00E+00	3.42E-07	1.23E-08	2.39E-08	0.00E+00	0.00E+00	3.62E-08
1670	420155.3	3740185	1.07E-07	2.65E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-07	2.65E-07	0.00E+00	0.00E+00	3.72E-07	1.34E-08	2.60E-08	0.00E+00	0.00E+00	3.94E-08
1671	420164.6	3740182	1.14E-07	2.85E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.85E-07	0.00E+00	0.00E+00	3.99E-07	1.44E-08	2.79E-08	0.00E+00	0.00E+00	4.22E-08
1672	420174	3740179	1.21E-07	3.00E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	3.00E-07	0.00E+00	0.00E+00	4.21E-07	1.52E-08	2.94E-08	0.00E+00	0.00E+00	4.46E-08
1673	420183.3	3740175	1.25E-07	3.13E-07	0.00E+00	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	3.13E-07	0.00E+00	0.00E+00	4.38E-07	1.58E-08	3.06E-08	0.00E+00	0.00E+00	4.64E-08
1674	420192.7	3740172	1.29E-07	3.22E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	3.22E-07	0.00E+00	0.00E+00	4.51E-07	1.62E-08	3.15E-08	0.00E+00	0.00E+00	4.77E-08
1675	420202	3740169	1.31E-07	3.27E-07	0.00E+00	0.00E+00	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-07	3.27E-07	0.00E+00	0.00E+00	4.58E-07	1.65E-08	3.20E-08	0.00E+00	0.00E+00	4.85E-08
1676	420239.4	3740155	1.25E-07	3.11E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	3.11E-07	0.00E+00	0.00E+00	4.35E-07	1.57E-08	3.04E-08	0.00E+00	0.00E+00	4.61E-08
1677	420093.5	3740213	4.86E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	6.11E-09	1.19E-08	0.00E+00	0.00E+00	1.80E-08
1678	420084.4	3740212	4.56E-08	1.14E-07	0.00E+00	0.00E+00	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-08	1.14E-07	0.00E+00	0.00E+00	1.59E-07	5.74E-09	1.11E-08	0.00E+00	0.00E+00	1.69E-08
1679	420075.3	3740211	4.29E-08	1.07E-07	0.00E+00	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-08	1.07E-07	0.00E+00	0.00E+00	1.50E-07	5.40E-09	1.05E-08	0.00E+00	0.00E+00	1.59E-08
1680	420066.2	3740210	4.05E-08	1.01E-07	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-08	1.01E-07	0.00E+00	0.00E+00	1.41E-07	5.09E-09	9.87E-09	0.00E+00	0.00E+00	1.50E-08
1681	420057.1	3740209	3.83E-08	9.53E-08	0.00E+00	0.00E+00	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-08	9.53E-08	0.00E+00	0.00E+00	1.34E-07	4.81E-09	9.34E-09	0.00E+00	0.00E+00	1.41E-08
1682	420048	3740207	3.63E-08	9.05E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-08	9.05E-08	0.00E+00	0.00E+00	1.27E-07	4.57E-09	8.86E-09	0.00E+00	0.00E+00	1.34E-08
1683	420038.9	3740206	3.45E-08	8.61E-08	0.00E+00	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-08	8.61E-08	0.00E+00	0.00E+00	1.21E-07	4.34E-09	8.43E-09	0.00E+00	0.00E+00	1.28E-08
1684	420029.8	3740205	3.29E-08	8.21E-08	0.00E+00	0.00E+00	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-08	8.21E-08	0.00E+00	0.00E+00	1.15E-07	4.14E-09	8.04E-09	0.00E+00	0.00E+00	1.22E-08
1685	420020.7	3740204	3.15E-08	7.84E-08	0.00E+00	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-08	7.84E-08	0.00E+00	0.00E+00	1.10E-07	3.96E-09	7.68E-09	0.00E+00	0.00E+00	1.16E-08
1686	420007.4	3740194	3.13E-08	7.80E-08	0.00E+00	0.00E+00	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-08	7.80E-08	0.00E+00	0.00E+00	1.09E-07	3.93E-09	7.64E-09	0.00E+00	0.00E+00	1.16E-08
1687	420003.1	3740186	3.24E-08	8.07E-08	0.00E+00	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-08	8.07E-08	0.00E+00	0.00E+00	1.13E-07	4.07E-09	7.90E-09	0.00E+00	0.00E+00	1.20E-08
1688	419998.9	3740178	3.33E-08	8.31E-08	0.00E+00	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-08	8.31E-08	0.00E+00	0.00E+00	1.16E-07	4.19E-09	8.13E-09	0.00E+00	0.00E+00	1.23E-08
1689	419994.6	3740170	3.41E-08	8.51E-08	0.00E+00	0.00E+00	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-08	8.51E-08	0.00E+00	0.00E+00	1.19E-07	4.29E-09	8.33E-09	0.00E+00	0.00E+00	1.26E-08
1690	419981.8	3740145	3.53E-08	8.79E-08	0.00E+00	0.00E+00	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-08	8.79E-08	0.00E+00	0.00E+00	1.23E-07	4.44E-09	8.61E-09	0.00E+00	0.00E+00	1.30E-08
1691	419977.6	3740137	3.50E-08	8.73E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-08	8.73E-08	0.00E+00	0.00E+00	1.22E-07	4.41E-09	8.55E-09	0.00E+00	0.00E+00	1.30E-08
1692	419973.3	3740129	3.45E-08	8.60E-08	0.00E+00	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-08	8.60E-08	0.00E+00	0.00E+00	1.21E-07	4.34E-09	8.42E-09	0.00E+00	0.00E+00	1.28E-08
1693	420102.6	3740215	5.16E-08	1.28E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-08	1.28E-07	0.00E+00	0.00E+00	1.80E-07	6.48E-09	1.26E-08	0.00E+00	0.00E+00	1.91E-08
1694	420111.9	3740211	5.77E-08	1.44E-07	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-08	1.44E-07	0.00E+00	0.00E+00	2.02E-07	7.26E-09	1.41E-08	0.00E+00	0.00E+00	2.14E-08
1695	420121.2	3740208	6.44E-08	1.61E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.61E-07	0.00E+00	0.00E+00	2.25E-07	8.10E-09	1.57E-08	0.00E+00	0.00E+00	2.38E-08
1696	420130.6	3740205	7.17E-08	1.79E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	1.79E-07	0.00E+00	0.00E+00	2.50E-07	9.02E-09	1.75E-08	0.00E+00	0.00E+00	2.65E-08
1697	420139.9	3740201	7.93E-08	1.98E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-08	1.98E-07	0.00E+00	0.00E+00	2.77E-07	9.97E-09	1.94E-08	0.00E+00	0.00E+00	2.93E-08
1698	420149.3	3740198	8.69E-08	2.17E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-08	2.17E-07	0.00E+00	0.00E+00	3.03E-07	1.09E-08	2.12E-08	0.00E+00	0.00E+00	3.21E-08
1699	420158.6	3740195	9.41E-08	2.35E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-08	2.35E-07	0.00E+00	0.00E+00	3.29E-07	1.18E-08	2.30E-08	0.00E+00	0.00E+00	3.48E-08
1700	420168	3740191	1.01E-07	2.51E-07	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.51E-07	0.00E+00	0.00E+00	3.52E-07	1.27E-08	2.46E-08	0.00E+00	0.00E+00	3.72E-08
1701	420177.3	3740188	1.06E-07	2.65E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.65E-07	0.00E+00	0.00E+00	3.72E-07	1.34E-08	2.60E-08	0.00E+00	0.00E+00	3.93E-08
1702	420186.7	3740185	1.11E-07	2.76E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-07	2.76E-07	0.00E+00	0.00E+00	3.87E-07	1.39E-08	2.70E-08	0.00E+00	0.00E+00	4.10E-08
1703	420196	3740181	1.14E-07	2.84E-07	0.00E+00	0.00E+00	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-07	2.84E-07	0.00E+00	0.00E+00	3.98E-07	1.43E-08	2.78E-08	0.00E+00	0.00E+00	4.21E-08
1704	420205.4	3740178	1.16E-07	2.89E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.89E-07	0.00E+00	0.00E+00	4.05E-07	1.46E-08	2.83E-08	0.00E+00	0.00E+00	4.28E-08
1705	420242.8	3740165	1.12E-07	2.79E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	2.79E-07	0.00E+00	0.00E+00	3.91E-07	1.41E-08	2.73E-08	0.00E+00	0.00E+00	4.14E-08
1706	420100.2	3740232	4.15E-08	1.03E-07	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-08	1.03E-07	0.00E+00	0.00E+00	1.45E-07	5.22E-09	1.01E-08	0.00E+00	0.00E+00	1.53E-08
1707	420091.1	3740231	3.93E-08	9.79E-08	0.00E+00	0.00E+00	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-08	9.79E-08	0.00E+00	0.00E+00	1.37E-07	4.94E-09	9.58E-09	0.00E+00	0.00E+00	1.45E-08
1708	420082	3740230	3.72E-08	9.26E-08	0.00E+00	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-08	9.26E-08	0.00E+00	0.00E+00	1.30E-07	4.67E-09	9.07E-09	0.00E+00	0.00E+00	1.37E-08
1709	420072.9	3740229	3.52E-08	8.78E-08	0.00E+00	0.00E+00	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-08	8.78E-08	0.00E+00	0.00E+00	1.23E-07	4.43E-09	8.59E-09	0.00E+00	0.00E+00	1.30E-08
1710	420063.8	3740227	3.34E-08	8.33E-08	0.00E+00	0.00E+00	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-08	8.33E-08	0.00E+00	0.00E+00	1.17E-07	4.20E-09	8.16E-09	0.00E+00	0.00E+00	1.24E-08
1711	420054.7	3740226	3.18E-08	7.93E-08	0.00E+00	0.00E+00	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-08	7.93E-08	0.00E+00	0.00E+00	1.11E-07	4.00E-09	7.77E-09	0.00E+00	0.00E+00	1.18E-08
1712	420045.6	3740225	3.04E-08	7.57E-08	0.00E+00	0.00E+00	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-08	7.57E-08	0.00E+00	0.00E+00	1.06E-07	3.82E-09	7.42E-09	0.00E+00	0.00E+00	1.12E-08
1713	420036.5	3740224	2.91E-08	7.25E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-08	7.25E-08	0.00E+00	0.00E+00	1.02E-07	3.66E-09	7.10E-09	0.00E+00	0.00E+00	1.08E-08
1714	420027.4	3740222	2.79E-08	6.96E-08	0.00E+00	0.00E+00	9.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	6.96E-08	0.00E+00	0.00E+00	9.75E-08	3.51E-09	6.81E-09	0.00E+00	0.00E+00	1.03E-08
1715	420018.3	3740221	2.68E-08	6.69E-08	0.00E+00	0.00E+00	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-08	6.69E-08	0.00E+00	0.00E+00	9.37E-08	3.37E-09	6.55E-09	0.00E+00	0.00E+00	9.92E-09
1716	420009.2	3740220	2.58E-08	6.43E-08	0.00E+00	0.00E+00	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-08	6.43E-08	0.00E+00	0.00E+00	9.01E-08	3.25E-09	6.30E-09	0.00E+00	0.00E+00	9.54E-09
1717	419995.9	3740211	2.58E-08	6.42E-08	0.00E+00	0.00E+00	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-08	6.42E-08	0.00E+00	0.00E+00	9.00E-08	3.24E-09	6.29E-09	0.00E+00	0.00E+00	9.53E-09
1718	419991.6	3740202	2.67E-08	6.64E-08	0.00E+00	0.00E+00	9.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-08	6.64E-08	0.00E+00	0.00E+00	9.31E-08	3.35E-09	6.51E-09	0.00E+00	0.00E+00	9.86E-09
1719	419987.4	3740194	2.75E-08	6.86E-08	0.00E+00	0.00E+00	9.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-08	6.86E-08	0.00E+00	0.00E+00	9.61E-08	3.46E-09	6.72E-09	0.00E+00	0.00E+00	1.02E-08
1720	419983.1	3740186	2.83E-08	7.04E-08	0.00E+00	0.00E+00	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-08	7.04E-08	0.00E+00	0.00E+00	9.87E-08	3.55E-09	6.90E-09	0.00E+00	0.00E+00	1.05E-08
1721	419978.9	3740178	2.89E-08	7.20E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-08	7.20E-08	0.00E+00	0.00E+00	1.01E-07	3.63E-09	7.05E-09	0.00E+00	0.00E+00	1.07E-08
1722	419966.1	3740154	2.97E-08	7.40E-08	0.00E+00	0.00E+00	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-08	7.40E-08	0.00E+00	0.00E+00	1.04E-07	3.74E-09	7.25E-09	0.00E+00	0.00E+00	1.10E-08
1723	419961.8	3740146	2.95E-08	7.36E-08	0.00E+00	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-08	7.36E-08	0.00E+00	0.00E+00	1.03E-07	3.71E-09	7.21E-09	0.00E+00	0.00E+00	1.09E-08
1724	419957.6	3740137	2.92E-08	7.27E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-08	7.27E-08	0.00E+00	0.00E+00	1.02E-07	3.67E-09	7.12E-09	0.00E+00	0.00E+00	1.08E-08
1725	419953.3	3740129	2.87E-08	7.16E-08	0.00E+00	0.00E+00	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	7.16E-08	0.00E+00	0.00E+00	1.00E-07	3.61E-09	7.01E-09	0.00E+00	0.00E+00	1.06E-08
1726	420109.2	3740234	4.38E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	5.50E-09	1.07E-08	0.00E+00	0.00E+00	1.62E-08
1727	420118.6	3740230	4.85E-08	1.21E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-08	1.21E-07	0.00E+00	0.00E+00	1.69E-07	6.10E-09	1.18E-08	0.00E+00	0.00E+00	1.79E-08
1728	420127.9	3740227	5.35E-08	1.33E-07	0.00E+00	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-08	1.33E-07	0.00E+00	0.00E+00	1.87E-07	6.73E-09	1.31E-08	0.00E+00	0.00E+00	1.98E-08
1729	420137.3	3740224	5.89E-08	1.47E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-08	1.47E-07	0.00E+00	0.00E+00	2.06E-07	7.41E-09	1.44E-08	0.00E+00	0.00E+00	2.18E-08
1730	420146.6	3740220	6.44E-08	1.61E-07	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-08	1.61E-07	0.00E+00	0.00E+00	2.25E-07	8.10E-09	1.57E-08	0.00E+00	0.00E+00	2.38E-08
1731	420156	3740217	6.99E-08	1.74E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-08	1.74E-07	0.00E+00	0.00E+00	2.44E-07	8.80E-09	1.71E-08	0.00E+00	0.00E+00	2.59E-08
1732	420165.3	3740214	7.50E-08	1.87E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-08	1.87E-07	0.00E+00	0.00E+00	2.62E-07	9.44E-09	1.83E-08	0.00E+00	0.00E+00	2.77E-08
1733	420174.7	3740210	7.98E-08	1.99E-07	0.00E+00	0.00E+00	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-08	1.99E-07	0.00E+00	0.00E+00	2.79E-07	1.00E-08	1.95E-08	0.00E+00	0.00E+00	2.95E-08
1734	420184	3740207	8.41E-08	2.10E-07	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-08	2.10E-07	0.00E+00	0.00E+00	2.94E-07	1.06E-08	2.05E-08	0.00E+00	0.00E+00	3.11E-08
1735	420193.4	3740204	8.78E-08	2.19E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-08	2.19E-07	0.00E+00	0.00E+00	3.07E-07	1.10E-08	2.14E-08	0.00E+00	0.00E+00	3.25E-08
1736	420202.7	3740200	9.06E-08	2.26E-07	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-08	2.26E-07	0.00E+00	0.00E+00	3.16E-07	1.14E-08	2.21E-08	0.00E+00	0.00E+00	3.35E-08
1737	420240.1	3740187	9.29E-08	2.32E-07	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-08	2.32E-07	0.00E+00	0.00E+00	3.24E-07	1.17E-08	2.27E-08	0.00E+00	0.00E+00	3.44E-08
1738	420249.5	3740184	9.18E-08	2.29E-07	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-08	2.29E-07	0.00E+00	0.00E+00	3.21E-07	1.15E-08	2.24E-08	0.00E+00	0.00E+00	3.40E-08
1739	420106.1	3740251	3.58E-08	8.93E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-08	8.93E-08	0.00E+00	0.00E+00	1.25E-07	4.50E-09	8.74E-09	0.00E+00	0.00E+00	1.32E-08
1740	420096.4	3740250	3.39E-08	8.46E-08	0.00E+00	0.00E+00	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-08	8.46E-08	0.00

1789	419968.1	3740234	1.91E-08	4.77E-08	0.00E+00	0.00E+00	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	4.77E-08	0.00E+00	0.00E+00	6.68E-08	2.41E-09	4.67E-09	0.00E+00	0.00E+00	7.07E-09
1790	419963.5	3740225	1.97E-08	4.92E-08	0.00E+00	0.00E+00	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	4.92E-08	0.00E+00	0.00E+00	6.89E-08	2.48E-09	4.81E-09	0.00E+00	0.00E+00	7.30E-09
1791	419959	3740217	2.03E-08	5.06E-08	0.00E+00	0.00E+00	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	5.06E-08	0.00E+00	0.00E+00	7.09E-08	2.55E-09	4.95E-09	0.00E+00	0.00E+00	7.50E-09
1792	419954.5	3740208	2.08E-08	5.18E-08	0.00E+00	0.00E+00	7.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	5.18E-08	0.00E+00	0.00E+00	7.26E-08	2.61E-09	5.07E-09	0.00E+00	0.00E+00	7.68E-09
1793	419949.9	3740199	2.12E-08	5.28E-08	0.00E+00	0.00E+00	7.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	5.28E-08	0.00E+00	0.00E+00	7.40E-08	2.67E-09	5.17E-09	0.00E+00	0.00E+00	7.84E-09
1794	419945.4	3740191	2.15E-08	5.36E-08	0.00E+00	0.00E+00	7.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	5.36E-08	0.00E+00	0.00E+00	7.51E-08	2.70E-09	5.25E-09	0.00E+00	0.00E+00	7.95E-09
1795	419931.8	3740165	2.17E-08	5.41E-08	0.00E+00	0.00E+00	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	5.41E-08	0.00E+00	0.00E+00	7.58E-08	2.73E-09	5.29E-09	0.00E+00	0.00E+00	8.02E-09
1796	419927.2	3740156	2.15E-08	5.37E-08	0.00E+00	0.00E+00	7.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	5.37E-08	0.00E+00	0.00E+00	7.52E-08	2.71E-09	5.25E-09	0.00E+00	0.00E+00	7.96E-09
1797	419922.7	3740147	2.13E-08	5.31E-08	0.00E+00	0.00E+00	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	5.31E-08	0.00E+00	0.00E+00	7.44E-08	2.68E-09	5.20E-09	0.00E+00	0.00E+00	7.88E-09
1798	419918.2	3740139	2.10E-08	5.23E-08	0.00E+00	0.00E+00	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	5.23E-08	0.00E+00	0.00E+00	7.32E-08	2.64E-09	5.12E-09	0.00E+00	0.00E+00	7.75E-09
1799	419913.6	3740130	2.05E-08	5.12E-08	0.00E+00	0.00E+00	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	5.12E-08	0.00E+00	0.00E+00	7.18E-08	2.58E-09	5.01E-09	0.00E+00	0.00E+00	7.60E-09
1800	420122.6	3740271	3.30E-08	8.23E-08	0.00E+00	0.00E+00	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-08	8.23E-08	0.00E+00	0.00E+00	1.15E-07	4.15E-09	8.06E-09	0.00E+00	0.00E+00	1.22E-08
1801	420132	3740268	3.59E-08	8.95E-08	0.00E+00	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-08	8.95E-08	0.00E+00	0.00E+00	1.25E-07	4.51E-09	8.76E-09	0.00E+00	0.00E+00	1.33E-08
1802	420141.3	3740265	3.89E-08	9.71E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-08	9.71E-08	0.00E+00	0.00E+00	1.36E-07	4.90E-09	9.50E-09	0.00E+00	0.00E+00	1.44E-08
1803	420150.7	3740261	4.21E-08	1.05E-07	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-08	1.05E-07	0.00E+00	0.00E+00	1.47E-07	5.30E-09	1.03E-08	0.00E+00	0.00E+00	1.56E-08
1804	420160	3740258	4.52E-08	1.13E-07	0.00E+00	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-08	1.13E-07	0.00E+00	0.00E+00	1.58E-07	5.69E-09	1.10E-08	0.00E+00	0.00E+00	1.67E-08
1805	420169.4	3740255	4.83E-08	1.20E-07	0.00E+00	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-08	1.20E-07	0.00E+00	0.00E+00	1.69E-07	6.07E-09	1.18E-08	0.00E+00	0.00E+00	1.79E-08
1806	420178.7	3740251	5.13E-08	1.28E-07	0.00E+00	0.00E+00	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-08	1.28E-07	0.00E+00	0.00E+00	1.79E-07	6.45E-09	1.25E-08	0.00E+00	0.00E+00	1.90E-08
1807	420188.1	3740248	5.44E-08	1.35E-07	0.00E+00	0.00E+00	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	1.35E-07	0.00E+00	0.00E+00	1.90E-07	6.84E-09	1.33E-08	0.00E+00	0.00E+00	2.01E-08
1808	420197.4	3740245	5.72E-08	1.43E-07	0.00E+00	0.00E+00	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-08	1.43E-07	0.00E+00	0.00E+00	2.00E-07	7.20E-09	1.40E-08	0.00E+00	0.00E+00	2.12E-08
1809	420206.8	3740241	5.98E-08	1.49E-07	0.00E+00	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-08	1.49E-07	0.00E+00	0.00E+00	2.09E-07	7.52E-09	1.46E-08	0.00E+00	0.00E+00	2.21E-08
1810	420244.2	3740228	6.57E-08	1.64E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.64E-07	0.00E+00	0.00E+00	2.30E-07	8.26E-09	1.60E-08	0.00E+00	0.00E+00	2.43E-08
1811	420253.5	3740225	6.59E-08	1.64E-07	0.00E+00	0.00E+00	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-08	1.64E-07	0.00E+00	0.00E+00	2.30E-07	8.29E-09	1.61E-08	0.00E+00	0.00E+00	2.44E-08
1812	420262.9	3740221	6.56E-08	1.64E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-08	1.64E-07	0.00E+00	0.00E+00	2.29E-07	8.25E-09	1.60E-08	0.00E+00	0.00E+00	2.43E-08
1813	420119.7	3740289	2.80E-08	6.97E-08	0.00E+00	0.00E+00	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-08	6.97E-08	0.00E+00	0.00E+00	9.77E-08	3.52E-09	6.82E-09	0.00E+00	0.00E+00	1.03E-08
1814	420110.1	3740287	2.68E-08	6.68E-08	0.00E+00	0.00E+00	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-08	6.68E-08	0.00E+00	0.00E+00	9.36E-08	3.37E-09	6.54E-09	0.00E+00	0.00E+00	9.91E-09
1815	420100.4	3740286	2.56E-08	6.39E-08	0.00E+00	0.00E+00	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-08	6.39E-08	0.00E+00	0.00E+00	8.95E-08	3.22E-09	6.26E-09	0.00E+00	0.00E+00	9.48E-09
1816	420090.8	3740285	2.45E-08	6.11E-08	0.00E+00	0.00E+00	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	6.11E-08	0.00E+00	0.00E+00	8.56E-08	3.08E-09	5.98E-09	0.00E+00	0.00E+00	9.07E-09
1817	420081.2	3740284	2.35E-08	5.86E-08	0.00E+00	0.00E+00	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-08	5.86E-08	0.00E+00	0.00E+00	8.21E-08	2.96E-09	5.74E-09	0.00E+00	0.00E+00	8.69E-09
1818	420071.6	3740282	2.26E-08	5.62E-08	0.00E+00	0.00E+00	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	5.62E-08	0.00E+00	0.00E+00	7.88E-08	2.84E-09	5.50E-09	0.00E+00	0.00E+00	8.34E-09
1819	420061.9	3740281	2.17E-08	5.40E-08	0.00E+00	0.00E+00	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	5.40E-08	0.00E+00	0.00E+00	7.57E-08	2.73E-09	5.29E-09	0.00E+00	0.00E+00	8.01E-09
1820	420052.3	3740280	2.09E-08	5.20E-08	0.00E+00	0.00E+00	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	5.20E-08	0.00E+00	0.00E+00	7.28E-08	2.62E-09	5.09E-09	0.00E+00	0.00E+00	7.71E-09
1821	420042.7	3740278	2.01E-08	5.01E-08	0.00E+00	0.00E+00	7.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	5.01E-08	0.00E+00	0.00E+00	7.02E-08	2.53E-09	4.91E-09	0.00E+00	0.00E+00	7.43E-09
1822	420033.1	3740277	1.94E-08	4.83E-08	0.00E+00	0.00E+00	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	4.83E-08	0.00E+00	0.00E+00	6.77E-08	2.44E-09	4.73E-09	0.00E+00	0.00E+00	7.17E-09
1823	420023.4	3740276	1.87E-08	4.67E-08	0.00E+00	0.00E+00	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	4.67E-08	0.00E+00	0.00E+00	6.54E-08	2.36E-09	4.57E-09	0.00E+00	0.00E+00	6.93E-09
1824	420013.8	3740274	1.81E-08	4.52E-08	0.00E+00	0.00E+00	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	4.52E-08	0.00E+00	0.00E+00	6.33E-08	2.28E-09	4.42E-09	0.00E+00	0.00E+00	6.70E-09
1825	420004.2	3740273	1.75E-08	4.37E-08	0.00E+00	0.00E+00	6.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	4.37E-08	0.00E+00	0.00E+00	6.13E-08	2.21E-09	4.28E-09	0.00E+00	0.00E+00	6.49E-09
1826	419994.5	3740272	1.70E-08	4.24E-08	0.00E+00	0.00E+00	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	4.24E-08	0.00E+00	0.00E+00	5.94E-08	2.14E-09	4.15E-09	0.00E+00	0.00E+00	6.29E-09
1827	419984.9	3740270	1.65E-08	4.11E-08	0.00E+00	0.00E+00	5.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	4.11E-08	0.00E+00	0.00E+00	5.76E-08	2.07E-09	4.03E-09	0.00E+00	0.00E+00	6.10E-09
1828	419975.3	3740269	1.60E-08	3.99E-08	0.00E+00	0.00E+00	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	3.99E-08	0.00E+00	0.00E+00	5.59E-08	2.01E-09	3.91E-09	0.00E+00	0.00E+00	5.92E-09
1829	419961.2	3740259	1.60E-08	4.00E-08	0.00E+00	0.00E+00	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	4.00E-08	0.00E+00	0.00E+00	5.60E-08	2.02E-09	3.91E-09	0.00E+00	0.00E+00	5.93E-09
1830	419956.7	3740251	1.65E-08	4.12E-08	0.00E+00	0.00E+00	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	4.12E-08	0.00E+00	0.00E+00	5.77E-08	2.08E-09	4.03E-09	0.00E+00	0.00E+00	6.11E-09
1831	419952.2	3740242	1.70E-08	4.24E-08	0.00E+00	0.00E+00	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	4.24E-08	0.00E+00	0.00E+00	5.94E-08	2.14E-09	4.15E-09	0.00E+00	0.00E+00	6.29E-09
1832	419947.6	3740233	1.75E-08	4.36E-08	0.00E+00	0.00E+00	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	4.36E-08	0.00E+00	0.00E+00	6.11E-08	2.20E-09	4.27E-09	0.00E+00	0.00E+00	6.47E-09
1833	419943.1	3740225	1.79E-08	4.47E-08	0.00E+00	0.00E+00	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	4.47E-08	0.00E+00	0.00E+00	6.26E-08	2.25E-09	4.37E-09	0.00E+00	0.00E+00	6.63E-09
1834	419938.6	3740216	1.83E-08	4.56E-08	0.00E+00	0.00E+00	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	4.56E-08	0.00E+00	0.00E+00	6.39E-08	2.30E-09	4.47E-09	0.00E+00	0.00E+00	6.77E-09
1835	419934.1	3740208	1.86E-08	4.64E-08	0.00E+00	0.00E+00	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	4.64E-08	0.00E+00	0.00E+00	6.50E-08	2.34E-09	4.54E-09	0.00E+00	0.00E+00	6.88E-09
1836	419929.6	3740199	1.88E-08	4.69E-08	0.00E+00	0.00E+00	6.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	4.69E-08	0.00E+00	0.00E+00	6.57E-08	2.37E-09	4.59E-09	0.00E+00	0.00E+00	6.96E-09
1837	419925.1	3740190	1.90E-08	4.72E-08	0.00E+00	0.00E+00	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	4.72E-08	0.00E+00	0.00E+00	6.62E-08	2.38E-09	4.63E-09	0.00E+00	0.00E+00	7.01E-09
1838	419911.6	3740165	1.88E-08	4.68E-08	0.00E+00	0.00E+00	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-08	4.68E-08	0.00E+00	0.00E+00	6.55E-08	2.36E-09	4.58E-09	0.00E+00	0.00E+00	6.94E-09
1839	419907.1	3740156	1.86E-08	4.63E-08	0.00E+00	0.00E+00	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	4.63E-08	0.00E+00	0.00E+00	6.49E-08	2.34E-09	4.53E-09	0.00E+00	0.00E+00	6.87E-09
1840	419902.6	3740147	1.83E-08	4.57E-08	0.00E+00	0.00E+00	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	4.57E-08	0.00E+00	0.00E+00	6.41E-08	2.31E-09	4.48E-09	0.00E+00	0.00E+00	6.78E-09
1841	419898.1	3740139	1.80E-08	4.50E-08	0.00E+00	0.00E+00	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	4.50E-08	0.00E+00	0.00E+00	6.30E-08	2.27E-09	4.40E-09	0.00E+00	0.00E+00	6.67E-09
1842	419893.6	3740130	1.77E-08	4.40E-08	0.00E+00	0.00E+00	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	4.40E-08	0.00E+00	0.00E+00	6.16E-08	2.22E-09	4.31E-09	0.00E+00	0.00E+00	6.53E-09
1843	420129.3	3740290	2.92E-08	7.27E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-08	7.27E-08	0.00E+00	0.00E+00	1.02E-07	3.67E-09	7.12E-09	0.00E+00	0.00E+00	1.08E-08
1844	420138.7	3740287	3.15E-08	7.85E-08	0.00E+00	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-08	7.85E-08	0.00E+00	0.00E+00	1.10E-07	3.96E-09	7.69E-09	0.00E+00	0.00E+00	1.17E-08
1845	420148	3740283	3.39E-08	8.46E-08	0.00E+00	0.00E+00	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-08	8.46E-08	0.00E+00	0.00E+00	1.19E-07	4.27E-09	8.28E-09	0.00E+00	0.00E+00	1.26E-08
1846	420157.4	3740280	3.65E-08	9.09E-08	0.00E+00	0.00E+00	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-08	9.09E-08	0.00E+00	0.00E+00	1.27E-07	4.59E-09	8.90E-09	0.00E+00	0.00E+00	1.35E-08
1847	420166.7	3740277	3.89E-08	9.71E-08	0.00E+00	0.00E+00	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-08	9.71E-08	0.00E+00	0.00E+00	1.36E-07	4.90E-09	9.51E-09	0.00E+00	0.00E+00	1.44E-08
1848	420176.1	3740273	4.14E-08	1.03E-07	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-08	1.03E-07	0.00E+00	0.00E+00	1.45E-07	5.21E-09	1.01E-08	0.00E+00	0.00E+00	1.53E-08
1849	420185.4	3740270	4.39E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	5.52E-09	1.07E-08	0.00E+00	0.00E+00	1.62E-08
1850	420194.8	3740267	4.63E-08	1.15E-07	0.00E+00	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-08	1.15E-07	0.00E+00	0.00E+00	1.62E-07	5.83E-09	1.13E-08	0.00E+00	0.00E+00	1.71E-08
1851	420204.1	3740264	4.86E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-08	1.21E-07	0.00E+00	0.00E+00	1.70E-07	6.12E-09	1.19E-08	0.00E+00	0.00E+00	1.80E-08
1852	420241.5	3740250	5.53E-08	1.38E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-08	1.38E-07	0.00E+00	0.00E+00	1.93E-07	6.96E-09	1.35E-08	0.00E+00	0.00E+00	2.05E-08
1853	420250.9	3740247	5.61E-08	1.40E-07	0.00E+00	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-08	1.40E-07	0.00E+00	0.00E+00	1.96E-07	7.05E-09	1.37E-08	0.00E+00	0.00E+00	2.07E-08
1854	420260.2	3740244	5.65E-08	1.41E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-08	1.41E-07	0.00E+00	0.00E+00	1.97E-07	7.10E-09	1.38E-08	0.00E+00	0.00E+00	2.09E-08
1855	420269.6	3740240	5.65E-08	1.41E-07	0.00E+00	0.00E+00	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-08	1.41E-07	0.00E+00	0.00E+00	1.97E-07	7.10E-09	1.38E-08	0.00E+00	0.00E+00	2.09E-08
1856	420126.5	3740308	2.50E-08	6.22E-08	0.00E+00	0.00E+00	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	6.22E-08	0.00E+00	0.00E+00	8.72E-08	3.14E-09	6.09E-09	0.00E+00	0.00E+00	9.23E-09
1857	420116.9	3740306	2.40E-08	5.98E-08	0.00E+00	0.00E+00	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-08	5.98E-08	0.00E+00	0.00E+00	8.38E-08	3.02E-09	5.86E-09	0.00E+00	0.00E+00	8.88E-09
1858	420107.3	3740305	2.31E-08	5.76E-08	0.00E+00	0.00E+00	8.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	5.76E-08	0.00E+00	0.00E+00	8.07E-08	2.90E-09	5.64E-09	0.00E+00	0.00E+00	8.54E-09
1859	420097.7	3740304	2.22E-08	5.53E-08	0.00E+00	0.00E+00	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	5.53E-08	0.00E+00	0.00E+00	7.75E-08	2.79E-09	5.42E-09	0.00E+00	0.00E+00	8.21E-09
1860	420088.2	3740302	2.13E-08	5.32E-08	0.00E+00	0.00E+00	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	5.32E-08	0.00E+00	0.00E+00	7.45E-08	2.68E-09	5.21E-09	0.00E+00	0.00E+00	7.89E-09
1861	420078.6	3740301	2.05E-08	5.12E-08	0.00E+00	0.00E+00	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	5.12E-08	0.00E+00	0.00E+00	7.17E-08	2.58E-09	5.01E-09	0.00E+00	0.00E+00	7.59E-09
1862	420069	3740300	1.98E-08	4.93E-08	0.00E+00	0.00E+00	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	4.93E-08	0.00E+00	0.00E+00	6.90E-08	2.49E-09	4.82E-09	0.00E+00	0.00E+00	7.31E-09
1863	420059.5	3740299	1.90E-08	4.75E-08	0.00E+00	0.00E+00	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	4.75E-08	0.00E+00	0.00E+00	6.65E-08	2.40E-09	4.65E-09	0.00E+00	0.00E+00	7.04E-09
1864	420049.9	3740297	1.84E-08	4.58E-08	0.00E+00	0.00E+00	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	4.58E-08	0.00E+00	0.00E+00	6.42E-08	2.31E-09	4.48E-09	0.00E+00	0.00E+00	6.80E-09
1865	420040.3	3740296	1.78E-08	4.42E-08	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	4.42E-08	0.00E+00	0.00E+00	6.20E-08	2.23E-09	4.33E-09	0.00E+00	0.00E+00	6.57E-09
1866	420030.7	3740295	1.72E-08	4.28E-08	0.00E+00	0.00E+00	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	4.28E-08	0.00E+00	0.00E+00	6.00E-08	2.16E-09	4.19E-09	0.00E+00	0.00E+00	6.35E-09
1867	420021.2	3740293	1.66E-08	4.15E-08	0.00E+00	0.00E+00	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	4.15E-08	0.00E+00	0.00E+00	5.81E-08	2.09E-09	4.06E-09	0.00E+00	0.00E+00	6.15E-09
1868	420011.6	3740292	1.61E-08	4.02E-08	0.00E+00	0.00E+00	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	4.02E-08

1917	419999.8	3740308	1.41E-08	3.50E-08	0.00E+00	0.00E+00	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	3.50E-08	0.00E+00	0.00E+00	4.91E-08	1.77E-09	3.43E-09	0.00E+00	0.00E+00	5.20E-09
1918	419990.3	3740307	1.37E-08	3.41E-08	0.00E+00	0.00E+00	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	3.41E-08	0.00E+00	0.00E+00	4.78E-08	1.72E-09	3.34E-09	0.00E+00	0.00E+00	5.06E-09
1919	419980.8	3740306	1.34E-08	3.33E-08	0.00E+00	0.00E+00	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	3.33E-08	0.00E+00	0.00E+00	4.66E-08	1.68E-09	3.26E-09	0.00E+00	0.00E+00	4.94E-09
1920	419971.3	3740304	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.55E-08	1.64E-09	3.18E-09	0.00E+00	0.00E+00	4.82E-09
1921	419961.7	3740303	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	1.60E-09	3.10E-09	0.00E+00	0.00E+00	4.70E-09
1922	419952.2	3740302	1.24E-08	3.10E-08	0.00E+00	0.00E+00	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	3.10E-08	0.00E+00	0.00E+00	4.34E-08	1.56E-09	3.03E-09	0.00E+00	0.00E+00	4.59E-09
1923	419938.2	3740292	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.35E-08	1.57E-09	3.04E-09	0.00E+00	0.00E+00	4.61E-09
1924	419933.8	3740284	1.28E-08	3.19E-08	0.00E+00	0.00E+00	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	3.19E-08	0.00E+00	0.00E+00	4.47E-08	1.61E-09	3.12E-09	0.00E+00	0.00E+00	4.73E-09
1925	419929.3	3740275	1.31E-08	3.27E-08	0.00E+00	0.00E+00	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	3.27E-08	0.00E+00	0.00E+00	4.58E-08	1.65E-09	3.20E-09	0.00E+00	0.00E+00	4.85E-09
1926	419924.9	3740266	1.34E-08	3.35E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	3.35E-08	0.00E+00	0.00E+00	4.70E-08	1.69E-09	3.28E-09	0.00E+00	0.00E+00	4.97E-09
1927	419920.4	3740258	1.38E-08	3.43E-08	0.00E+00	0.00E+00	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.43E-08	0.00E+00	0.00E+00	4.80E-08	1.73E-09	3.36E-09	0.00E+00	0.00E+00	5.09E-09
1928	419915.9	3740249	1.41E-08	3.50E-08	0.00E+00	0.00E+00	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	3.50E-08	0.00E+00	0.00E+00	4.91E-08	1.77E-09	3.43E-09	0.00E+00	0.00E+00	5.20E-09
1929	419911.5	3740241	1.43E-08	3.57E-08	0.00E+00	0.00E+00	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	3.57E-08	0.00E+00	0.00E+00	5.00E-08	1.80E-09	3.50E-09	0.00E+00	0.00E+00	5.30E-09
1930	419907	3740232	1.46E-08	3.63E-08	0.00E+00	0.00E+00	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	3.63E-08	0.00E+00	0.00E+00	5.08E-08	1.83E-09	3.55E-09	0.00E+00	0.00E+00	5.38E-09
1931	419902.6	3740224	1.47E-08	3.67E-08	0.00E+00	0.00E+00	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	3.67E-08	0.00E+00	0.00E+00	5.15E-08	1.85E-09	3.60E-09	0.00E+00	0.00E+00	5.45E-09
1932	419898.1	3740215	1.49E-08	3.70E-08	0.00E+00	0.00E+00	5.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	3.70E-08	0.00E+00	0.00E+00	5.19E-08	1.87E-09	3.63E-09	0.00E+00	0.00E+00	5.49E-09
1933	419893.7	3740207	1.49E-08	3.72E-08	0.00E+00	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	3.72E-08	0.00E+00	0.00E+00	5.21E-08	1.88E-09	3.64E-09	0.00E+00	0.00E+00	5.52E-09
1934	419880.3	3740181	1.48E-08	3.68E-08	0.00E+00	0.00E+00	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	3.68E-08	0.00E+00	0.00E+00	5.16E-08	1.86E-09	3.61E-09	0.00E+00	0.00E+00	5.47E-09
1935	419875.8	3740173	1.47E-08	3.65E-08	0.00E+00	0.00E+00	5.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	3.65E-08	0.00E+00	0.00E+00	5.12E-08	1.84E-09	3.58E-09	0.00E+00	0.00E+00	5.42E-09
1936	419871.4	3740164	1.45E-08	3.61E-08	0.00E+00	0.00E+00	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	3.61E-08	0.00E+00	0.00E+00	5.06E-08	1.82E-09	3.54E-09	0.00E+00	0.00E+00	5.36E-09
1937	419866.9	3740156	1.43E-08	3.56E-08	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	3.56E-08	0.00E+00	0.00E+00	4.99E-08	1.80E-09	3.49E-09	0.00E+00	0.00E+00	5.28E-09
1938	419862.5	3740147	1.41E-08	3.50E-08	0.00E+00	0.00E+00	4.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	3.50E-08	0.00E+00	0.00E+00	4.91E-08	1.77E-09	3.43E-09	0.00E+00	0.00E+00	5.20E-09
1939	419858	3740139	1.38E-08	3.44E-08	0.00E+00	0.00E+00	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.44E-08	0.00E+00	0.00E+00	4.82E-08	1.74E-09	3.37E-09	0.00E+00	0.00E+00	5.10E-09
1940	419853.5	3740130	1.35E-08	3.36E-08	0.00E+00	0.00E+00	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	3.36E-08	0.00E+00	0.00E+00	4.71E-08	1.70E-09	3.29E-09	0.00E+00	0.00E+00	4.99E-09
1941	420142.7	3740328	2.33E-08	5.81E-08	0.00E+00	0.00E+00	8.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	5.81E-08	0.00E+00	0.00E+00	8.14E-08	2.93E-09	5.69E-09	0.00E+00	0.00E+00	8.62E-09
1942	420152.1	3740324	2.49E-08	6.20E-08	0.00E+00	0.00E+00	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	6.20E-08	0.00E+00	0.00E+00	8.69E-08	3.13E-09	6.07E-09	0.00E+00	0.00E+00	9.20E-09
1943	420161.4	3740321	2.65E-08	6.61E-08	0.00E+00	0.00E+00	9.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-08	6.61E-08	0.00E+00	0.00E+00	9.26E-08	3.33E-09	6.47E-09	0.00E+00	0.00E+00	9.80E-09
1944	420170.8	3740318	2.82E-08	7.02E-08	0.00E+00	0.00E+00	9.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	7.02E-08	0.00E+00	0.00E+00	9.83E-08	3.54E-09	6.87E-09	0.00E+00	0.00E+00	1.04E-08
1945	420180.1	3740314	2.98E-08	7.43E-08	0.00E+00	0.00E+00	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	7.43E-08	0.00E+00	0.00E+00	1.04E-07	3.75E-09	7.28E-09	0.00E+00	0.00E+00	1.10E-08
1946	420189.5	3740311	3.15E-08	7.85E-08	0.00E+00	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-08	7.85E-08	0.00E+00	0.00E+00	1.10E-07	3.96E-09	7.68E-09	0.00E+00	0.00E+00	1.16E-08
1947	420198.8	3740308	3.31E-08	8.26E-08	0.00E+00	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-08	8.26E-08	0.00E+00	0.00E+00	1.16E-07	4.17E-09	8.09E-09	0.00E+00	0.00E+00	1.23E-08
1948	420208.2	3740305	3.47E-08	8.66E-08	0.00E+00	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-08	8.66E-08	0.00E+00	0.00E+00	1.21E-07	4.37E-09	8.48E-09	0.00E+00	0.00E+00	1.28E-08
1949	420245.6	3740291	4.03E-08	1.00E-07	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-08	1.00E-07	0.00E+00	0.00E+00	1.41E-07	5.06E-09	9.83E-09	0.00E+00	0.00E+00	1.49E-08
1950	420254.9	3740288	4.12E-08	1.03E-07	0.00E+00	0.00E+00	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-08	1.03E-07	0.00E+00	0.00E+00	1.44E-07	5.18E-09	1.01E-08	0.00E+00	0.00E+00	1.52E-08
1951	420264.3	3740285	4.18E-08	1.04E-07	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-08	1.04E-07	0.00E+00	0.00E+00	1.46E-07	5.26E-09	1.02E-08	0.00E+00	0.00E+00	1.55E-08
1952	420273.6	3740281	4.23E-08	1.05E-07	0.00E+00	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-08	1.05E-07	0.00E+00	0.00E+00	1.48E-07	5.31E-09	1.03E-08	0.00E+00	0.00E+00	1.56E-08
1953	420283	3740278	4.25E-08	1.06E-07	0.00E+00	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-08	1.06E-07	0.00E+00	0.00E+00	1.49E-07	5.35E-09	1.04E-08	0.00E+00	0.00E+00	1.57E-08
1954	420139.9	3740345	2.04E-08	5.09E-08	0.00E+00	0.00E+00	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	5.09E-08	0.00E+00	0.00E+00	7.14E-08	2.57E-09	4.99E-09	0.00E+00	0.00E+00	7.56E-09
1955	420130.4	3740344	1.98E-08	4.93E-08	0.00E+00	0.00E+00	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	4.93E-08	0.00E+00	0.00E+00	6.90E-08	2.49E-09	4.83E-09	0.00E+00	0.00E+00	7.31E-09
1956	420121	3740343	1.91E-08	4.76E-08	0.00E+00	0.00E+00	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	4.76E-08	0.00E+00	0.00E+00	6.67E-08	2.40E-09	4.66E-09	0.00E+00	0.00E+00	7.07E-09
1957	420111.5	3740341	1.85E-08	4.60E-08	0.00E+00	0.00E+00	6.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	4.60E-08	0.00E+00	0.00E+00	6.45E-08	2.32E-09	4.51E-09	0.00E+00	0.00E+00	6.83E-09
1958	420102	3740340	1.78E-08	4.45E-08	0.00E+00	0.00E+00	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	4.45E-08	0.00E+00	0.00E+00	6.23E-08	2.24E-09	4.36E-09	0.00E+00	0.00E+00	6.60E-09
1959	420092.5	3740339	1.72E-08	4.29E-08	0.00E+00	0.00E+00	6.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	4.29E-08	0.00E+00	0.00E+00	6.02E-08	2.17E-09	4.21E-09	0.00E+00	0.00E+00	6.37E-09
1960	420083	3740338	1.66E-08	4.15E-08	0.00E+00	0.00E+00	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	4.15E-08	0.00E+00	0.00E+00	5.81E-08	2.09E-09	4.06E-09	0.00E+00	0.00E+00	6.15E-09
1961	420073.5	3740336	1.61E-08	4.01E-08	0.00E+00	0.00E+00	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	4.01E-08	0.00E+00	0.00E+00	5.62E-08	2.02E-09	3.93E-09	0.00E+00	0.00E+00	5.95E-09
1962	420064	3740335	1.56E-08	3.88E-08	0.00E+00	0.00E+00	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	3.88E-08	0.00E+00	0.00E+00	5.43E-08	1.96E-09	3.80E-09	0.00E+00	0.00E+00	5.75E-09
1963	420054.5	3740334	1.51E-08	3.75E-08	0.00E+00	0.00E+00	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	3.75E-08	0.00E+00	0.00E+00	5.26E-08	1.89E-09	3.68E-09	0.00E+00	0.00E+00	5.57E-09
1964	420045.1	3740332	1.46E-08	3.64E-08	0.00E+00	0.00E+00	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	3.64E-08	0.00E+00	0.00E+00	5.10E-08	1.84E-09	3.56E-09	0.00E+00	0.00E+00	5.40E-09
1965	420035.6	3740331	1.42E-08	3.53E-08	0.00E+00	0.00E+00	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	3.53E-08	0.00E+00	0.00E+00	4.95E-08	1.78E-09	3.46E-09	0.00E+00	0.00E+00	5.24E-09
1966	420026.1	3740330	1.38E-08	3.43E-08	0.00E+00	0.00E+00	4.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.43E-08	0.00E+00	0.00E+00	4.81E-08	1.73E-09	3.36E-09	0.00E+00	0.00E+00	5.09E-09
1967	420016.6	3740329	1.34E-08	3.34E-08	0.00E+00	0.00E+00	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	3.34E-08	0.00E+00	0.00E+00	4.68E-08	1.68E-09	3.27E-09	0.00E+00	0.00E+00	4.95E-09
1968	420007.1	3740327	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.55E-08	1.64E-09	3.18E-09	0.00E+00	0.00E+00	4.82E-09
1969	419997.6	3740326	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	1.60E-09	3.10E-09	0.00E+00	0.00E+00	4.70E-09
1970	419988.1	3740325	1.24E-08	3.09E-08	0.00E+00	0.00E+00	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	3.09E-08	0.00E+00	0.00E+00	4.33E-08	1.56E-09	3.03E-09	0.00E+00	0.00E+00	4.59E-09
1971	419978.6	3740323	1.21E-08	3.02E-08	0.00E+00	0.00E+00	4.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	3.02E-08	0.00E+00	0.00E+00	4.23E-08	1.52E-09	2.96E-09	0.00E+00	0.00E+00	4.48E-09
1972	419969.1	3740322	1.18E-08	2.95E-08	0.00E+00	0.00E+00	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.95E-08	0.00E+00	0.00E+00	4.14E-08	1.49E-09	2.89E-09	0.00E+00	0.00E+00	4.38E-09
1973	419959.7	3740321	1.16E-08	2.89E-08	0.00E+00	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.89E-08	0.00E+00	0.00E+00	4.05E-08	1.46E-09	2.83E-09	0.00E+00	0.00E+00	4.28E-09
1974	419950.2	3740320	1.13E-08	2.83E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.83E-08	0.00E+00	0.00E+00	3.96E-08	1.43E-09	2.77E-09	0.00E+00	0.00E+00	4.19E-09
1975	419940.7	3740318	1.11E-08	2.76E-08	0.00E+00	0.00E+00	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.76E-08	0.00E+00	0.00E+00	3.87E-08	1.39E-09	2.71E-09	0.00E+00	0.00E+00	4.10E-09
1976	419926.8	3740308	1.11E-08	2.77E-08	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.77E-08	0.00E+00	0.00E+00	3.88E-08	1.40E-09	2.71E-09	0.00E+00	0.00E+00	4.11E-09
1977	419922.3	3740300	1.14E-08	2.84E-08	0.00E+00	0.00E+00	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.84E-08	0.00E+00	0.00E+00	3.98E-08	1.43E-09	2.78E-09	0.00E+00	0.00E+00	4.21E-09
1978	419917.9	3740291	1.17E-08	2.91E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.91E-08	0.00E+00	0.00E+00	4.07E-08	1.47E-09	2.85E-09	0.00E+00	0.00E+00	4.31E-09
1979	419913.4	3740283	1.19E-08	2.97E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.97E-08	0.00E+00	0.00E+00	4.17E-08	1.50E-09	2.91E-09	0.00E+00	0.00E+00	4.41E-09
1980	419909	3740275	1.22E-08	3.04E-08	0.00E+00	0.00E+00	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	3.04E-08	0.00E+00	0.00E+00	4.26E-08	1.53E-09	2.98E-09	0.00E+00	0.00E+00	4.51E-09
1981	419904.6	3740266	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.35E-08	1.57E-09	3.04E-09	0.00E+00	0.00E+00	4.61E-09
1982	419900.1	3740258	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	1.60E-09	3.10E-09	0.00E+00	0.00E+00	4.70E-09
1983	419895.7	3740249	1.29E-08	3.22E-08	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	3.22E-08	0.00E+00	0.00E+00	4.52E-08	1.63E-09	3.16E-09	0.00E+00	0.00E+00	4.78E-09
1984	419891.2	3740241	1.31E-08	3.27E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	3.27E-08	0.00E+00	0.00E+00	4.59E-08	1.65E-09	3.21E-09	0.00E+00	0.00E+00	4.86E-09
1985	419886.8	3740232	1.33E-08	3.31E-08	0.00E+00	0.00E+00	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	3.31E-08	0.00E+00	0.00E+00	4.64E-08	1.67E-09	3.24E-09	0.00E+00	0.00E+00	4.91E-09
1986	419882.4	3740224	1.34E-08	3.34E-08	0.00E+00	0.00E+00	4.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	3.34E-08	0.00E+00	0.00E+00	4.68E-08	1.68E-09	3.27E-09	0.00E+00	0.00E+00	4.95E-09
1987	419877.9	3740215	1.34E-08	3.35E-08	0.00E+00	0.00E+00	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	3.35E-08	0.00E+00	0.00E+00	4.69E-08	1.69E-09	3.28E-09	0.00E+00	0.00E+00	4.97E-09
1988	419864.6	3740190	1.33E-08	3.31E-08	0.00E+00	0.00E+00	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	3.31E-08	0.00E+00	0.00E+00	4.64E-08	1.67E-09	3.24E-09	0.00E+00	0.00E+00	4.91E-09
1989	419860.2	3740181	1.32E-08	3.29E-08	0.00E+00	0.00E+00	4.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	3.29E-08	0.00E+00	0.00E+00	4.61E-08	1.66E-09	3.22E-09	0.00E+00	0.00E+00	4.88E-09
1990	419855.7	3740173	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.56E-08	1.64E-09	3.18E-09	0.00E+00	0.00E+00	4.82E-09
1991	419851.3	3740164	1.29E-08	3.21E-08	0.00E+00	0.00E+00	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	3.21E-08	0.00E+00	0.00E+00	4.49E-08	1.62E-09	3.14E-09	0.00E+00	0.00E+00	4.76E-09
1992	419846.8	3740156	1.27E-08	3.16E-08	0.00E+00	0.00E+00	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	3.16E-08	0.00E+00	0.00E+00	4.43E-08	1.59E-09	3.09E-09	0.00E+00	0.00E+00	4.69E-09
1993	419842.4	3740147	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.35E-08	1.57E-09	3.04E-09	0.00E+00	0.00E+00	4.61E-09
1994	419838	3740139	1.22E-08	3.05E-08	0.00E+00	0.00E+00	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	3.05E-08	0.00E+00	0.00E+00	4.27E-08	1.54E-09	2.98E-09	0.00E+00	0.00E+00	4.52E-09
1995	419833.5	3740130	1.20E-08	2.98E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	2.98E-08	0.00E+00	0.00E+00	4.17E-08	1.50E-09	2.92E-09	0.00E+00	0.00E+00	4.42E-09
1996	420149.4	3740347	2.11E-08	5.26E-08	0.00E+00	0.00E+00	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	5.26E-08	0.00E+

2045	419862.2	3740223	1.22E-08	3.03E-08	0.00E+00	0.00E+00	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	3.03E-08	0.00E+00	0.00E+00	4.24E-08	1.53E-09	2.97E-09	0.00E+00	0.00E+00	4.49E-09
2046	419857.8	3740215	1.21E-08	3.03E-08	0.00E+00	0.00E+00	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	3.03E-08	0.00E+00	0.00E+00	4.24E-08	1.53E-09	2.96E-09	0.00E+00	0.00E+00	4.49E-09
2047	419844.5	3740190	1.19E-08	2.98E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.98E-08	0.00E+00	0.00E+00	4.17E-08	1.50E-09	2.91E-09	0.00E+00	0.00E+00	4.42E-09
2048	419840.1	3740181	1.18E-08	2.95E-08	0.00E+00	0.00E+00	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.95E-08	0.00E+00	0.00E+00	4.13E-08	1.49E-09	2.89E-09	0.00E+00	0.00E+00	4.37E-09
2049	419835.6	3740173	1.17E-08	2.91E-08	0.00E+00	0.00E+00	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.91E-08	0.00E+00	0.00E+00	4.08E-08	1.47E-09	2.85E-09	0.00E+00	0.00E+00	4.32E-09
2050	419831.2	3740164	1.15E-08	2.87E-08	0.00E+00	0.00E+00	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.87E-08	0.00E+00	0.00E+00	4.02E-08	1.45E-09	2.81E-09	0.00E+00	0.00E+00	4.26E-09
2051	419826.8	3740156	1.13E-08	2.83E-08	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	2.83E-08	0.00E+00	0.00E+00	3.96E-08	1.43E-09	2.77E-09	0.00E+00	0.00E+00	4.19E-09
2052	419822.4	3740147	1.11E-08	2.78E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.78E-08	0.00E+00	0.00E+00	3.89E-08	1.40E-09	2.72E-09	0.00E+00	0.00E+00	4.12E-09
2053	419817.9	3740139	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	1.37E-09	2.66E-09	0.00E+00	0.00E+00	4.03E-09
2054	419813.5	3740130	1.07E-08	2.65E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.65E-08	0.00E+00	0.00E+00	3.72E-08	1.34E-09	2.60E-09	0.00E+00	0.00E+00	3.94E-09
2055	420156.1	3740365	1.92E-08	4.78E-08	0.00E+00	0.00E+00	6.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	4.78E-08	0.00E+00	0.00E+00	6.70E-08	2.41E-09	4.68E-09	0.00E+00	0.00E+00	7.10E-09
2056	420165.5	3740362	2.03E-08	5.06E-08	0.00E+00	0.00E+00	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	5.06E-08	0.00E+00	0.00E+00	7.09E-08	2.55E-09	4.96E-09	0.00E+00	0.00E+00	7.51E-09
2057	420174.8	3740359	2.15E-08	5.35E-08	0.00E+00	0.00E+00	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	5.35E-08	0.00E+00	0.00E+00	7.50E-08	2.70E-09	5.24E-09	0.00E+00	0.00E+00	7.94E-09
2058	420184.2	3740356	2.26E-08	5.64E-08	0.00E+00	0.00E+00	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	5.64E-08	0.00E+00	0.00E+00	7.91E-08	2.85E-09	5.52E-09	0.00E+00	0.00E+00	8.37E-09
2059	420193.5	3740352	2.38E-08	5.93E-08	0.00E+00	0.00E+00	8.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-08	5.93E-08	0.00E+00	0.00E+00	8.31E-08	2.99E-09	5.81E-09	0.00E+00	0.00E+00	8.80E-09
2060	420202.9	3740349	2.49E-08	6.21E-08	0.00E+00	0.00E+00	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	6.21E-08	0.00E+00	0.00E+00	8.71E-08	3.14E-09	6.08E-09	0.00E+00	0.00E+00	9.22E-09
2061	420240.3	3740336	2.91E-08	7.27E-08	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-08	7.27E-08	0.00E+00	0.00E+00	1.02E-07	3.67E-09	7.11E-09	0.00E+00	0.00E+00	1.08E-08
2062	420249.6	3740332	3.01E-08	7.51E-08	0.00E+00	0.00E+00	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-08	7.51E-08	0.00E+00	0.00E+00	1.05E-07	3.79E-09	7.35E-09	0.00E+00	0.00E+00	1.11E-08
2063	420259	3740329	3.10E-08	7.73E-08	0.00E+00	0.00E+00	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-08	7.73E-08	0.00E+00	0.00E+00	1.08E-07	3.90E-09	7.57E-09	0.00E+00	0.00E+00	1.15E-08
2064	420268.3	3740326	3.18E-08	7.92E-08	0.00E+00	0.00E+00	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-08	7.92E-08	0.00E+00	0.00E+00	1.11E-07	4.00E-09	7.75E-09	0.00E+00	0.00E+00	1.17E-08
2065	420277.7	3740322	3.24E-08	8.07E-08	0.00E+00	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-08	8.07E-08	0.00E+00	0.00E+00	1.13E-07	4.07E-09	7.90E-09	0.00E+00	0.00E+00	1.20E-08
2066	420287	3740319	3.29E-08	8.19E-08	0.00E+00	0.00E+00	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-08	8.19E-08	0.00E+00	0.00E+00	1.15E-07	4.13E-09	8.02E-09	0.00E+00	0.00E+00	1.21E-08
2067	420296.4	3740316	3.32E-08	8.27E-08	0.00E+00	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-08	8.27E-08	0.00E+00	0.00E+00	1.16E-07	4.17E-09	8.09E-09	0.00E+00	0.00E+00	1.23E-08
2068	420153	3740383	1.70E-08	4.25E-08	0.00E+00	0.00E+00	5.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	4.25E-08	0.00E+00	0.00E+00	5.95E-08	2.14E-09	4.16E-09	0.00E+00	0.00E+00	6.30E-09
2069	420143.2	3740382	1.65E-08	4.12E-08	0.00E+00	0.00E+00	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	4.12E-08	0.00E+00	0.00E+00	5.78E-08	2.08E-09	4.04E-09	0.00E+00	0.00E+00	6.12E-09
2070	420133.4	3740380	1.60E-08	4.00E-08	0.00E+00	0.00E+00	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	4.00E-08	0.00E+00	0.00E+00	5.60E-08	2.02E-09	3.91E-09	0.00E+00	0.00E+00	5.93E-09
2071	420123.6	3740379	1.55E-08	3.87E-08	0.00E+00	0.00E+00	5.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	3.87E-08	0.00E+00	0.00E+00	5.42E-08	1.95E-09	3.79E-09	0.00E+00	0.00E+00	5.74E-09
2072	420113.8	3740378	1.50E-08	3.75E-08	0.00E+00	0.00E+00	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	3.75E-08	0.00E+00	0.00E+00	5.25E-08	1.89E-09	3.67E-09	0.00E+00	0.00E+00	5.56E-09
2073	420104.1	3740376	1.46E-08	3.63E-08	0.00E+00	0.00E+00	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	3.63E-08	0.00E+00	0.00E+00	5.09E-08	1.83E-09	3.56E-09	0.00E+00	0.00E+00	5.39E-09
2074	420094.3	3740375	1.41E-08	3.52E-08	0.00E+00	0.00E+00	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	3.52E-08	0.00E+00	0.00E+00	4.93E-08	1.77E-09	3.44E-09	0.00E+00	0.00E+00	5.22E-09
2075	420084.5	3740374	1.37E-08	3.40E-08	0.00E+00	0.00E+00	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	3.40E-08	0.00E+00	0.00E+00	4.77E-08	1.72E-09	3.33E-09	0.00E+00	0.00E+00	5.05E-09
2076	420074.7	3740372	1.32E-08	3.30E-08	0.00E+00	0.00E+00	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	3.30E-08	0.00E+00	0.00E+00	4.62E-08	1.66E-09	3.23E-09	0.00E+00	0.00E+00	4.89E-09
2077	420064.9	3740371	1.28E-08	3.19E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	3.19E-08	0.00E+00	0.00E+00	4.48E-08	1.61E-09	3.13E-09	0.00E+00	0.00E+00	4.74E-09
2078	420055.1	3740370	1.24E-08	3.10E-08	0.00E+00	0.00E+00	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-08	3.10E-08	0.00E+00	0.00E+00	4.34E-08	1.56E-09	3.04E-09	0.00E+00	0.00E+00	4.60E-09
2079	420045.3	3740368	1.21E-08	3.01E-08	0.00E+00	0.00E+00	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	3.01E-08	0.00E+00	0.00E+00	4.22E-08	1.52E-09	2.95E-09	0.00E+00	0.00E+00	4.47E-09
2080	420035.5	3740367	1.18E-08	2.93E-08	0.00E+00	0.00E+00	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.93E-08	0.00E+00	0.00E+00	4.11E-08	1.48E-09	2.87E-09	0.00E+00	0.00E+00	4.35E-09
2081	420025.7	3740366	1.15E-08	2.85E-08	0.00E+00	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.85E-08	0.00E+00	0.00E+00	4.00E-08	1.44E-09	2.79E-09	0.00E+00	0.00E+00	4.24E-09
2082	420015.9	3740364	1.12E-08	2.78E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.78E-08	0.00E+00	0.00E+00	3.90E-08	1.40E-09	2.72E-09	0.00E+00	0.00E+00	4.13E-09
2083	420006.1	3740363	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.80E-08	1.37E-09	2.65E-09	0.00E+00	0.00E+00	4.02E-09
2084	419996.3	3740362	1.06E-08	2.65E-08	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.65E-08	0.00E+00	0.00E+00	3.71E-08	1.34E-09	2.59E-09	0.00E+00	0.00E+00	3.93E-09
2085	419986.6	3740360	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	1.31E-09	2.54E-09	0.00E+00	0.00E+00	3.85E-09
2086	419976.8	3740359	1.02E-08	2.54E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.54E-08	0.00E+00	0.00E+00	3.56E-08	1.28E-09	2.48E-09	0.00E+00	0.00E+00	3.76E-09
2087	419967	3740358	9.97E-09	2.48E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-09	2.48E-08	0.00E+00	0.00E+00	3.48E-08	1.25E-09	2.43E-09	0.00E+00	0.00E+00	3.69E-09
2088	419957.2	3740356	9.77E-09	2.43E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-09	2.43E-08	0.00E+00	0.00E+00	3.41E-08	1.23E-09	2.38E-09	0.00E+00	0.00E+00	3.61E-09
2089	419947.4	3740355	9.57E-09	2.39E-08	0.00E+00	0.00E+00	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-09	2.39E-08	0.00E+00	0.00E+00	3.34E-08	1.20E-09	2.34E-09	0.00E+00	0.00E+00	3.54E-09
2090	419937.6	3740354	9.38E-09	2.34E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-09	2.34E-08	0.00E+00	0.00E+00	3.28E-08	1.18E-09	2.29E-09	0.00E+00	0.00E+00	3.47E-09
2091	419927.8	3740352	9.20E-09	2.29E-08	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-09	2.29E-08	0.00E+00	0.00E+00	3.21E-08	1.16E-09	2.25E-09	0.00E+00	0.00E+00	3.40E-09
2092	419918	3740351	9.02E-09	2.25E-08	0.00E+00	0.00E+00	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-09	2.25E-08	0.00E+00	0.00E+00	3.15E-08	1.13E-09	2.20E-09	0.00E+00	0.00E+00	3.33E-09
2093	419903.6	3740341	9.04E-09	2.25E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-09	2.25E-08	0.00E+00	0.00E+00	3.16E-08	1.14E-09	2.21E-09	0.00E+00	0.00E+00	3.34E-09
2094	419899.1	3740332	9.25E-09	2.31E-08	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-09	2.31E-08	0.00E+00	0.00E+00	3.23E-08	1.16E-09	2.26E-09	0.00E+00	0.00E+00	3.42E-09
2095	419894.5	3740323	9.46E-09	2.36E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-09	2.36E-08	0.00E+00	0.00E+00	3.30E-08	1.19E-09	2.31E-09	0.00E+00	0.00E+00	3.50E-09
2096	419889.9	3740315	9.67E-09	2.41E-08	0.00E+00	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-09	2.41E-08	0.00E+00	0.00E+00	3.38E-08	1.22E-09	2.36E-09	0.00E+00	0.00E+00	3.58E-09
2097	419885.3	3740306	9.88E-09	2.46E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-09	2.46E-08	0.00E+00	0.00E+00	3.45E-08	1.24E-09	2.41E-09	0.00E+00	0.00E+00	3.65E-09
2098	419880.7	3740297	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.52E-08	1.27E-09	2.46E-09	0.00E+00	0.00E+00	3.73E-09
2099	419876.1	3740288	1.03E-08	2.56E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	2.56E-08	0.00E+00	0.00E+00	3.59E-08	1.29E-09	2.51E-09	0.00E+00	0.00E+00	3.80E-09
2100	419871.6	3740280	1.05E-08	2.61E-08	0.00E+00	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	2.61E-08	0.00E+00	0.00E+00	3.66E-08	1.32E-09	2.55E-09	0.00E+00	0.00E+00	3.87E-09
2101	419867	3740271	1.06E-08	2.65E-08	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.65E-08	0.00E+00	0.00E+00	3.71E-08	1.34E-09	2.60E-09	0.00E+00	0.00E+00	3.93E-09
2102	419862.4	3740262	1.08E-08	2.69E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.69E-08	0.00E+00	0.00E+00	3.77E-08	1.36E-09	2.63E-09	0.00E+00	0.00E+00	3.99E-09
2103	419857.8	3740253	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	1.37E-09	2.66E-09	0.00E+00	0.00E+00	4.04E-09
2104	419853.2	3740245	1.10E-08	2.74E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.74E-08	0.00E+00	0.00E+00	3.84E-08	1.38E-09	2.69E-09	0.00E+00	0.00E+00	4.07E-09
2105	419848.6	3740236	1.11E-08	2.75E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.75E-08	0.00E+00	0.00E+00	3.86E-08	1.39E-09	2.70E-09	0.00E+00	0.00E+00	4.09E-09
2106	419844.1	3740227	1.11E-08	2.76E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.76E-08	0.00E+00	0.00E+00	3.86E-08	1.39E-09	2.70E-09	0.00E+00	0.00E+00	4.09E-09
2107	419830.3	3740201	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	1.37E-09	2.67E-09	0.00E+00	0.00E+00	4.04E-09
2108	419825.7	3740192	1.08E-08	2.69E-08	0.00E+00	0.00E+00	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.69E-08	0.00E+00	0.00E+00	3.78E-08	1.36E-09	2.64E-09	0.00E+00	0.00E+00	4.00E-09
2109	419821.2	3740183	1.07E-08	2.67E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.67E-08	0.00E+00	0.00E+00	3.73E-08	1.34E-09	2.61E-09	0.00E+00	0.00E+00	3.95E-09
2110	419816.6	3740175	1.06E-08	2.63E-08	0.00E+00	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.63E-08	0.00E+00	0.00E+00	3.69E-08	1.33E-09	2.58E-09	0.00E+00	0.00E+00	3.91E-09
2111	419812	3740166	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	1.31E-09	2.54E-09	0.00E+00	0.00E+00	3.85E-09
2112	419807.4	3740157	1.02E-08	2.55E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.55E-08	0.00E+00	0.00E+00	3.57E-08	1.29E-09	2.50E-09	0.00E+00	0.00E+00	3.78E-09
2113	419802.8	3740148	1.00E-08	2.50E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	2.50E-08	0.00E+00	0.00E+00	3.50E-08	1.26E-09	2.45E-09	0.00E+00	0.00E+00	3.71E-09
2114	420162.8	3740384	1.75E-08	4.37E-08	0.00E+00	0.00E+00	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	4.37E-08	0.00E+00	0.00E+00	6.12E-08	2.20E-09	4.28E-09	0.00E+00	0.00E+00	6.48E-09
2115	420172.2	3740381	1.85E-08	4.61E-08	0.00E+00	0.00E+00	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	4.61E-08	0.00E+00	0.00E+00	6.46E-08	2.32E-09	4.51E-09	0.00E+00	0.00E+00	6.84E-09
2116	420181.5	3740378	1.95E-08	4.85E-08	0.00E+00	0.00E+00	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	4.85E-08	0.00E+00	0.00E+00	6.80E-08	2.45E-09	4.75E-09	0.00E+00	0.00E+00	7.20E-09
2117	420190.9	3740374	2.05E-08	5.10E-08	0.00E+00	0.00E+00	7.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	5.10E-08	0.00E+00	0.00E+00	7.15E-08	2.58E-09	5.00E-09	0.00E+00	0.00E+00	7.57E-09
2118	420200.2	3740371	2.15E-08	5.36E-08	0.00E+00	0.00E+00	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	5.36E-08	0.00E+00	0.00E+00	7.50E-08	2.70E-09	5.24E-09	0.00E+00	0.00E+00	7.95E-09
2119	420209.6	3740368	2.25E-08	5.60E-08	0.00E+00	0.00E+00	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	5.60E-08	0.00E+00	0.00E+00	7.85E-08	2.83E-09	5.48E-09	0.00E+00	0.00E+00	8.31E-09
2120	420246.9	3740354	2.61E-08	6.50E-08	0.00E+00	0.00E+00	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-08	6.50E-08	0.00E+00	0.00E+00	9.11E-08	3.28E-09	6.37E-09	0.00E+00	0.00E+00	9.65E-09
2121	420256.3	3740351	2.69E-08	6.70E-08	0.00E+00	0.00E+00	9.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	6.70E-08	0.00E+00	0.00E+00	9.39E-08	3.38E-09	6.56E-09	0.00E+00	0.00E+00	9.95E-09
2122	420265.6	3740348	2.76E-08	6.88E-08	0.00E+00	0.00E+00	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-08	6.88E-08	0.00E+00	0.00E+00	9.64E-08	3.47E-09	6.74E-09	0.00E+00	0.00E+00	1.02E-08
2123	420275	3740344	2.83E-08	7.04E-08	0.00E+00	0.00E+00	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-08	7.04E-08	0.00E+00	0.00E+00	9.87E-08	3.55E-09	6.90E-09	0.00E+00	0.00E+00	1.05E-08
2124	420284.3	3740341	2.88E-08	7.18E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-08	7.18E-08	0.00E+00	0.00E+00

2173	420178.9	3740400	1.69E-08	4.21E-08	0.00E+00	0.00E+00	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	4.21E-08	0.00E+00	0.00E+00	5.91E-08	2.13E-09	4.13E-09	0.00E+00	0.00E+00	6.25E-09
2174	420188.2	3740397	1.78E-08	4.42E-08	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	4.42E-08	0.00E+00	0.00E+00	6.20E-08	2.23E-09	4.33E-09	0.00E+00	0.00E+00	6.56E-09
2175	420197.5	3740393	1.86E-08	4.64E-08	0.00E+00	0.00E+00	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	4.64E-08	0.00E+00	0.00E+00	6.50E-08	2.34E-09	4.54E-09	0.00E+00	0.00E+00	6.88E-09
2176	420206.9	3740390	1.95E-08	4.86E-08	0.00E+00	0.00E+00	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	4.86E-08	0.00E+00	0.00E+00	6.80E-08	2.45E-09	4.75E-09	0.00E+00	0.00E+00	7.20E-09
2177	420244.3	3740377	2.28E-08	5.68E-08	0.00E+00	0.00E+00	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-08	5.68E-08	0.00E+00	0.00E+00	7.96E-08	2.87E-09	5.56E-09	0.00E+00	0.00E+00	8.42E-09
2178	420253.6	3740373	2.35E-08	5.86E-08	0.00E+00	0.00E+00	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-08	5.86E-08	0.00E+00	0.00E+00	8.21E-08	2.96E-09	5.74E-09	0.00E+00	0.00E+00	8.70E-09
2179	420263	3740370	2.42E-08	6.03E-08	0.00E+00	0.00E+00	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	6.03E-08	0.00E+00	0.00E+00	8.45E-08	3.04E-09	5.91E-09	0.00E+00	0.00E+00	8.95E-09
2180	420272.3	3740367	2.48E-08	6.19E-08	0.00E+00	0.00E+00	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	6.19E-08	0.00E+00	0.00E+00	8.67E-08	3.12E-09	6.06E-09	0.00E+00	0.00E+00	9.18E-09
2181	420281.7	3740363	2.54E-08	6.34E-08	0.00E+00	0.00E+00	8.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-08	6.34E-08	0.00E+00	0.00E+00	8.88E-08	3.20E-09	6.20E-09	0.00E+00	0.00E+00	9.40E-09
2182	420291	3740360	2.59E-08	6.46E-08	0.00E+00	0.00E+00	9.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	6.46E-08	0.00E+00	0.00E+00	9.05E-08	3.26E-09	6.32E-09	0.00E+00	0.00E+00	9.58E-09
2183	420300.4	3740357	2.63E-08	6.55E-08	0.00E+00	0.00E+00	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-08	6.55E-08	0.00E+00	0.00E+00	9.18E-08	3.31E-09	6.42E-09	0.00E+00	0.00E+00	9.72E-09
2184	420309.7	3740353	2.66E-08	6.63E-08	0.00E+00	0.00E+00	9.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	6.63E-08	0.00E+00	0.00E+00	9.29E-08	3.34E-09	6.49E-09	0.00E+00	0.00E+00	9.83E-09
2185	420169.9	3740430	1.39E-08	3.47E-08	0.00E+00	0.00E+00	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	3.47E-08	0.00E+00	0.00E+00	4.86E-08	1.75E-09	3.39E-09	0.00E+00	0.00E+00	5.14E-09
2186	420160.2	3740429	1.35E-08	3.37E-08	0.00E+00	0.00E+00	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	3.37E-08	0.00E+00	0.00E+00	4.73E-08	1.70E-09	3.30E-09	0.00E+00	0.00E+00	5.01E-09
2187	420150.5	3740427	1.32E-08	3.28E-08	0.00E+00	0.00E+00	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	3.28E-08	0.00E+00	0.00E+00	4.60E-08	1.66E-09	3.21E-09	0.00E+00	0.00E+00	4.87E-09
2188	420140.8	3740426	1.28E-08	3.20E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	3.20E-08	0.00E+00	0.00E+00	4.48E-08	1.61E-09	3.13E-09	0.00E+00	0.00E+00	4.74E-09
2189	420131.1	3740425	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.36E-08	1.57E-09	3.05E-09	0.00E+00	0.00E+00	4.62E-09
2190	420121.5	3740424	1.22E-08	3.03E-08	0.00E+00	0.00E+00	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	3.03E-08	0.00E+00	0.00E+00	4.24E-08	1.53E-09	2.97E-09	0.00E+00	0.00E+00	4.49E-09
2191	420111.8	3740422	1.18E-08	2.95E-08	0.00E+00	0.00E+00	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-08	2.95E-08	0.00E+00	0.00E+00	4.13E-08	1.49E-09	2.89E-09	0.00E+00	0.00E+00	4.37E-09
2192	420102.1	3740421	1.15E-08	2.87E-08	0.00E+00	0.00E+00	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.87E-08	0.00E+00	0.00E+00	4.02E-08	1.45E-09	2.81E-09	0.00E+00	0.00E+00	4.25E-09
2193	420092.4	3740420	1.12E-08	2.78E-08	0.00E+00	0.00E+00	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.78E-08	0.00E+00	0.00E+00	3.90E-08	1.41E-09	2.73E-09	0.00E+00	0.00E+00	4.13E-09
2194	420082.8	3740418	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.79E-08	1.37E-09	2.65E-09	0.00E+00	0.00E+00	4.02E-09
2195	420073.1	3740417	1.06E-08	2.63E-08	0.00E+00	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.63E-08	0.00E+00	0.00E+00	3.69E-08	1.33E-09	2.58E-09	0.00E+00	0.00E+00	3.91E-09
2196	420063.4	3740416	1.03E-08	2.56E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	2.56E-08	0.00E+00	0.00E+00	3.59E-08	1.29E-09	2.51E-09	0.00E+00	0.00E+00	3.80E-09
2197	420053.7	3740414	1.00E-08	2.49E-08	0.00E+00	0.00E+00	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	2.49E-08	0.00E+00	0.00E+00	3.50E-08	1.26E-09	2.44E-09	0.00E+00	0.00E+00	3.70E-09
2198	420044	3740413	9.75E-09	2.43E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-09	2.43E-08	0.00E+00	0.00E+00	3.41E-08	1.23E-09	2.38E-09	0.00E+00	0.00E+00	3.61E-09
2199	420034.4	3740412	9.51E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	1.20E-09	2.32E-09	0.00E+00	0.00E+00	3.52E-09
2200	420024.7	3740410	9.30E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	1.17E-09	2.27E-09	0.00E+00	0.00E+00	3.44E-09
2201	420015	3740409	9.10E-09	2.27E-08	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-09	2.27E-08	0.00E+00	0.00E+00	3.18E-08	1.14E-09	2.22E-09	0.00E+00	0.00E+00	3.37E-09
2202	420005.3	3740408	8.91E-09	2.22E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-09	2.22E-08	0.00E+00	0.00E+00	3.11E-08	1.12E-09	2.17E-09	0.00E+00	0.00E+00	3.30E-09
2203	419995.6	3740406	8.73E-09	2.18E-08	0.00E+00	0.00E+00	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-09	2.18E-08	0.00E+00	0.00E+00	3.05E-08	1.10E-09	2.13E-09	0.00E+00	0.00E+00	3.23E-09
2204	419986	3740405	8.57E-09	2.14E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-09	2.14E-08	0.00E+00	0.00E+00	2.99E-08	1.08E-09	2.09E-09	0.00E+00	0.00E+00	3.17E-09
2205	419976.3	3740404	8.41E-09	2.10E-08	0.00E+00	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-09	2.10E-08	0.00E+00	0.00E+00	2.94E-08	1.06E-09	2.05E-09	0.00E+00	0.00E+00	3.11E-09
2206	419966.6	3740402	8.25E-09	2.06E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-09	2.06E-08	0.00E+00	0.00E+00	2.88E-08	1.04E-09	2.01E-09	0.00E+00	0.00E+00	3.05E-09
2207	419956.9	3740401	8.10E-09	2.02E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-09	2.02E-08	0.00E+00	0.00E+00	2.83E-08	1.02E-09	1.98E-09	0.00E+00	0.00E+00	3.00E-09
2208	419947.2	3740400	7.95E-09	1.98E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.98E-08	0.00E+00	0.00E+00	2.78E-08	1.00E-09	1.94E-09	0.00E+00	0.00E+00	2.94E-09
2209	419937.6	3740398	7.81E-09	1.95E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-09	1.95E-08	0.00E+00	0.00E+00	2.73E-08	9.83E-10	1.91E-09	0.00E+00	0.00E+00	2.89E-09
2210	419927.9	3740397	7.68E-09	1.92E-08	0.00E+00	0.00E+00	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-09	1.92E-08	0.00E+00	0.00E+00	2.68E-08	9.66E-10	1.88E-09	0.00E+00	0.00E+00	2.84E-09
2211	419918.2	3740396	7.56E-09	1.88E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.88E-08	0.00E+00	0.00E+00	2.64E-08	9.50E-10	1.84E-09	0.00E+00	0.00E+00	2.79E-09
2212	419908.5	3740395	7.43E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	9.34E-10	1.81E-09	0.00E+00	0.00E+00	2.75E-09
2213	419898.9	3740393	7.30E-09	1.82E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.82E-08	0.00E+00	0.00E+00	2.55E-08	9.18E-10	1.78E-09	0.00E+00	0.00E+00	2.70E-09
2214	419889.2	3740392	7.18E-09	1.79E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-09	1.79E-08	0.00E+00	0.00E+00	2.51E-08	9.03E-10	1.75E-09	0.00E+00	0.00E+00	2.65E-09
2215	419875	3740382	7.20E-09	1.79E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.79E-08	0.00E+00	0.00E+00	2.51E-08	9.06E-10	1.76E-09	0.00E+00	0.00E+00	2.66E-09
2216	419870.4	3740373	7.35E-09	1.83E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-09	1.83E-08	0.00E+00	0.00E+00	2.57E-08	9.24E-10	1.79E-09	0.00E+00	0.00E+00	2.72E-09
2217	419865.9	3740365	7.50E-09	1.87E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-09	1.87E-08	0.00E+00	0.00E+00	2.62E-08	9.43E-10	1.83E-09	0.00E+00	0.00E+00	2.77E-09
2218	419861.4	3740356	7.65E-09	1.91E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.91E-08	0.00E+00	0.00E+00	2.67E-08	9.62E-10	1.87E-09	0.00E+00	0.00E+00	2.83E-09
2219	419856.8	3740347	7.80E-09	1.94E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-09	1.94E-08	0.00E+00	0.00E+00	2.72E-08	9.81E-10	1.90E-09	0.00E+00	0.00E+00	2.88E-09
2220	419852.3	3740339	7.95E-09	1.98E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.98E-08	0.00E+00	0.00E+00	2.78E-08	1.00E-09	1.94E-09	0.00E+00	0.00E+00	2.94E-09
2221	419847.8	3740330	8.09E-09	2.02E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-09	2.02E-08	0.00E+00	0.00E+00	2.83E-08	1.02E-09	1.97E-09	0.00E+00	0.00E+00	2.99E-09
2222	419843.3	3740321	8.23E-09	2.05E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-09	2.05E-08	0.00E+00	0.00E+00	2.87E-08	1.04E-09	2.01E-09	0.00E+00	0.00E+00	3.04E-09
2223	419838.7	3740313	8.36E-09	2.08E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	2.08E-08	0.00E+00	0.00E+00	2.92E-08	1.05E-09	2.04E-09	0.00E+00	0.00E+00	3.09E-09
2224	419834.2	3740304	8.49E-09	2.12E-08	0.00E+00	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-09	2.12E-08	0.00E+00	0.00E+00	2.97E-08	1.07E-09	2.07E-09	0.00E+00	0.00E+00	3.14E-09
2225	419829.7	3740295	8.60E-09	2.14E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-09	2.14E-08	0.00E+00	0.00E+00	3.01E-08	1.08E-09	2.10E-09	0.00E+00	0.00E+00	3.18E-09
2226	419825.1	3740287	8.71E-09	2.17E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-09	2.17E-08	0.00E+00	0.00E+00	3.04E-08	1.09E-09	2.12E-09	0.00E+00	0.00E+00	3.22E-09
2227	419820.6	3740278	8.79E-09	2.19E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-09	2.19E-08	0.00E+00	0.00E+00	3.07E-08	1.11E-09	2.15E-09	0.00E+00	0.00E+00	3.25E-09
2228	419816.1	3740269	8.86E-09	2.21E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-09	2.21E-08	0.00E+00	0.00E+00	3.10E-08	1.11E-09	2.16E-09	0.00E+00	0.00E+00	3.28E-09
2229	419811.6	3740261	8.92E-09	2.22E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-09	2.22E-08	0.00E+00	0.00E+00	3.11E-08	1.12E-09	2.18E-09	0.00E+00	0.00E+00	3.30E-09
2230	419807	3740252	8.95E-09	2.23E-08	0.00E+00	0.00E+00	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-09	2.23E-08	0.00E+00	0.00E+00	3.13E-08	1.13E-09	2.18E-09	0.00E+00	0.00E+00	3.31E-09
2231	419802.5	3740243	8.95E-09	2.23E-08	0.00E+00	0.00E+00	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-09	2.23E-08	0.00E+00	0.00E+00	3.13E-08	1.13E-09	2.19E-09	0.00E+00	0.00E+00	3.31E-09
2232	419798	3740235	8.94E-09	2.23E-08	0.00E+00	0.00E+00	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-09	2.23E-08	0.00E+00	0.00E+00	3.12E-08	1.12E-09	2.18E-09	0.00E+00	0.00E+00	3.31E-09
2233	419770.8	3740183	8.41E-09	2.10E-08	0.00E+00	0.00E+00	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-09	2.10E-08	0.00E+00	0.00E+00	2.94E-08	1.06E-09	2.05E-09	0.00E+00	0.00E+00	3.11E-09
2234	419766.3	3740174	8.27E-09	2.06E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-09	2.06E-08	0.00E+00	0.00E+00	2.89E-08	1.04E-09	2.02E-09	0.00E+00	0.00E+00	3.06E-09
2235	419761.7	3740166	8.11E-09	2.02E-08	0.00E+00	0.00E+00	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-09	2.02E-08	0.00E+00	0.00E+00	2.83E-08	1.02E-09	1.98E-09	0.00E+00	0.00E+00	3.00E-09
2236	419757.2	3740157	7.94E-09	1.98E-08	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-09	1.98E-08	0.00E+00	0.00E+00	2.77E-08	9.99E-10	1.94E-09	0.00E+00	0.00E+00	2.94E-09
2237	419752.7	3740148	7.77E-09	1.94E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.94E-08	0.00E+00	0.00E+00	2.71E-08	9.77E-10	1.90E-09	0.00E+00	0.00E+00	2.87E-09
2238	419748.1	3740140	7.59E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	9.54E-10	1.85E-09	0.00E+00	0.00E+00	2.81E-09
2239	419743.6	3740131	7.40E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	9.31E-10	1.81E-09	0.00E+00	0.00E+00	2.74E-09
2240	420179.5	3740431	1.42E-08	3.55E-08	0.00E+00	0.00E+00	4.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	3.55E-08	0.00E+00	0.00E+00	4.97E-08	1.79E-09	3.48E-09	0.00E+00	0.00E+00	5.27E-09
2241	420188.9	3740428	1.49E-08	3.72E-08	0.00E+00	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-08	3.72E-08	0.00E+00	0.00E+00	5.21E-08	1.88E-09	3.64E-09	0.00E+00	0.00E+00	5.51E-09
2242	420198.2	3740425	1.56E-08	3.88E-08	0.00E+00	0.00E+00	5.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	3.88E-08	0.00E+00	0.00E+00	5.44E-08	1.96E-09	3.80E-09	0.00E+00	0.00E+00	5.76E-09
2243	420207.6	3740421	1.63E-08	4.06E-08	0.00E+00	0.00E+00	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	4.06E-08	0.00E+00	0.00E+00	5.68E-08	2.05E-09	3.97E-09	0.00E+00	0.00E+00	6.02E-09
2244	420245	3740408	1.90E-08	4.75E-08	0.00E+00	0.00E+00	6.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	4.75E-08	0.00E+00	0.00E+00	6.65E-08	2.40E-09	4.65E-09	0.00E+00	0.00E+00	7.04E-09
2245	420254.3	3740405	1.97E-08	4.91E-08	0.00E+00	0.00E+00	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	4.91E-08	0.00E+00	0.00E+00	6.88E-08	2.48E-09	4.81E-09	0.00E+00	0.00E+00	7.28E-09
2246	420263.7	3740402	2.03E-08	5.06E-08	0.00E+00	0.00E+00	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	5.06E-08	0.00E+00	0.00E+00	7.09E-08	2.55E-09	4.95E-09	0.00E+00	0.00E+00	7.50E-09
2247	420273	3740398	2.08E-08	5.20E-08	0.00E+00	0.00E+00	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	5.20E-08	0.00E+00	0.00E+00	7.28E-08	2.62E-09	5.09E-09	0.00E+00	0.00E+00	7.71E-09
2248	420282.4	3740395	2.14E-08	5.33E-08	0.00E+00	0.00E+00	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	5.33E-08	0.00E+00	0.00E+00	7.47E-08	2.69E-09	5.22E-09	0.00E+00	0.00E+00	7.90E-09
2249	420291.7	3740392	2.18E-08	5.44E-08	0.00E+00	0.00E+00	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	5.44E-08	0.00E+00	0.00E+00	7.63E-08	2.75E-09	5.33E-09	0.00E+00	0.00E+00	8.08E-09
2250	420301.1	3740388	2.22E-08	5.54E-08	0.00E+00	0.00E+00	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	5.54E-08	0.00E+00	0.00E+00	7.76E-08	2.80E-09	5.43E-09	0.00E+00	0.00E+00	8.22E-09
2251	420310.4	3740385	2.26E-08	5.62E-08	0.00E+00	0.00E+00	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-08	5.62E-08	0.00E+00	0.00E+00	7.88E-08	2.84E-09	5.51E-09	0.00E+00	0.00E+00	8.34E-09
2252	420319.8	3740382	2.28E-08	5.69E-08	0.00E+00	0.00E+00	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-08	5.69E-08	0.00E+00

2301	419758.6	3740217	7.79E-09	1.94E-08	0.00E+00	0.00E+00	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-09	1.94E-08	0.00E+00	0.00E+00	2.72E-08	9.80E-10	1.90E-09	0.00E+00	0.00E+00	2.88E-09
2302	419754.1	3740209	7.70E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	9.68E-10	1.88E-09	0.00E+00	0.00E+00	2.85E-09
2303	419749.6	3740200	7.59E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	9.54E-10	1.85E-09	0.00E+00	0.00E+00	2.81E-09
2304	419745.1	3740191	7.47E-09	1.86E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-09	1.86E-08	0.00E+00	0.00E+00	2.61E-08	9.39E-10	1.82E-09	0.00E+00	0.00E+00	2.76E-09
2305	419740.6	3740183	7.34E-09	1.83E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-09	1.83E-08	0.00E+00	0.00E+00	2.56E-08	9.23E-10	1.79E-09	0.00E+00	0.00E+00	2.71E-09
2306	419736.1	3740174	7.20E-09	1.80E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.80E-08	0.00E+00	0.00E+00	2.52E-08	9.06E-10	1.76E-09	0.00E+00	0.00E+00	2.66E-09
2307	419731.6	3740165	7.05E-09	1.76E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-09	1.76E-08	0.00E+00	0.00E+00	2.46E-08	8.87E-10	1.72E-09	0.00E+00	0.00E+00	2.61E-09
2308	419727.1	3740157	6.90E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	8.68E-10	1.68E-09	0.00E+00	0.00E+00	2.55E-09
2309	419722.6	3740148	6.75E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	8.49E-10	1.65E-09	0.00E+00	0.00E+00	2.50E-09
2310	419718.1	3740140	6.60E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	8.29E-10	1.61E-09	0.00E+00	0.00E+00	2.44E-09
2311	419713.6	3740131	6.44E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	8.09E-10	1.57E-09	0.00E+00	0.00E+00	2.38E-09
2312	420189.6	3740460	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	1.60E-09	3.10E-09	0.00E+00	0.00E+00	4.70E-09
2313	420198.9	3740456	1.33E-08	3.31E-08	0.00E+00	0.00E+00	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	3.31E-08	0.00E+00	0.00E+00	4.64E-08	1.67E-09	3.24E-09	0.00E+00	0.00E+00	4.91E-09
2314	420208.3	3740453	1.38E-08	3.45E-08	0.00E+00	0.00E+00	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.45E-08	0.00E+00	0.00E+00	4.83E-08	1.74E-09	3.38E-09	0.00E+00	0.00E+00	5.12E-09
2315	420245.7	3740440	1.61E-08	4.01E-08	0.00E+00	0.00E+00	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	4.01E-08	0.00E+00	0.00E+00	5.62E-08	2.02E-09	3.93E-09	0.00E+00	0.00E+00	5.95E-09
2316	420255	3740436	1.66E-08	4.15E-08	0.00E+00	0.00E+00	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	4.15E-08	0.00E+00	0.00E+00	5.81E-08	2.09E-09	4.06E-09	0.00E+00	0.00E+00	6.16E-09
2317	420264.4	3740433	1.72E-08	4.28E-08	0.00E+00	0.00E+00	6.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	4.28E-08	0.00E+00	0.00E+00	6.00E-08	2.16E-09	4.19E-09	0.00E+00	0.00E+00	6.35E-09
2318	420273.7	3740430	1.77E-08	4.41E-08	0.00E+00	0.00E+00	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	4.41E-08	0.00E+00	0.00E+00	6.17E-08	2.22E-09	4.31E-09	0.00E+00	0.00E+00	6.54E-09
2319	420283.1	3740426	1.81E-08	4.52E-08	0.00E+00	0.00E+00	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	4.52E-08	0.00E+00	0.00E+00	6.34E-08	2.28E-09	4.43E-09	0.00E+00	0.00E+00	6.71E-09
2320	420292.4	3740423	1.86E-08	4.63E-08	0.00E+00	0.00E+00	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	4.63E-08	0.00E+00	0.00E+00	6.49E-08	2.34E-09	4.53E-09	0.00E+00	0.00E+00	6.87E-09
2321	420301.8	3740420	1.90E-08	4.73E-08	0.00E+00	0.00E+00	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	4.73E-08	0.00E+00	0.00E+00	6.62E-08	2.39E-09	4.63E-09	0.00E+00	0.00E+00	7.02E-09
2322	420311.1	3740417	1.93E-08	4.82E-08	0.00E+00	0.00E+00	6.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	4.82E-08	0.00E+00	0.00E+00	6.75E-08	2.43E-09	4.71E-09	0.00E+00	0.00E+00	7.14E-09
2323	420320.5	3740413	1.96E-08	4.89E-08	0.00E+00	0.00E+00	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	4.89E-08	0.00E+00	0.00E+00	6.85E-08	2.47E-09	4.79E-09	0.00E+00	0.00E+00	7.26E-09
2324	420329.8	3740410	1.99E-08	4.95E-08	0.00E+00	0.00E+00	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-08	4.95E-08	0.00E+00	0.00E+00	6.94E-08	2.50E-09	4.85E-09	0.00E+00	0.00E+00	7.35E-09
2325	420190	3740487	1.12E-08	2.79E-08	0.00E+00	0.00E+00	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.79E-08	0.00E+00	0.00E+00	3.91E-08	1.41E-09	2.73E-09	0.00E+00	0.00E+00	4.14E-09
2326	420180.5	3740485	1.09E-08	2.73E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.73E-08	0.00E+00	0.00E+00	3.82E-08	1.38E-09	2.67E-09	0.00E+00	0.00E+00	4.05E-09
2327	420170.9	3740484	1.07E-08	2.67E-08	0.00E+00	0.00E+00	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.67E-08	0.00E+00	0.00E+00	3.74E-08	1.35E-09	2.61E-09	0.00E+00	0.00E+00	3.96E-09
2328	420161.3	3740483	1.05E-08	2.60E-08	0.00E+00	0.00E+00	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	2.60E-08	0.00E+00	0.00E+00	3.65E-08	1.31E-09	2.55E-09	0.00E+00	0.00E+00	3.86E-09
2329	420151.7	3740481	1.02E-08	2.54E-08	0.00E+00	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.54E-08	0.00E+00	0.00E+00	3.56E-08	1.28E-09	2.49E-09	0.00E+00	0.00E+00	3.77E-09
2330	420142.1	3740480	9.97E-09	2.48E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-09	2.48E-08	0.00E+00	0.00E+00	3.48E-08	1.25E-09	2.43E-09	0.00E+00	0.00E+00	3.69E-09
2331	420132.5	3740479	9.74E-09	2.43E-08	0.00E+00	0.00E+00	3.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-09	2.43E-08	0.00E+00	0.00E+00	3.40E-08	1.22E-09	2.38E-09	0.00E+00	0.00E+00	3.60E-09
2332	420123	3740478	9.51E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	1.20E-09	2.32E-09	0.00E+00	0.00E+00	3.52E-09
2333	420113.4	3740476	9.29E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	1.17E-09	2.27E-09	0.00E+00	0.00E+00	3.44E-09
2334	420103.8	3740475	9.07E-09	2.26E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-09	2.26E-08	0.00E+00	0.00E+00	3.17E-08	1.14E-09	2.21E-09	0.00E+00	0.00E+00	3.36E-09
2335	420094.2	3740474	8.86E-09	2.21E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-09	2.21E-08	0.00E+00	0.00E+00	3.10E-08	1.11E-09	2.16E-09	0.00E+00	0.00E+00	3.28E-09
2336	420084.6	3740472	8.66E-09	2.16E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-09	2.16E-08	0.00E+00	0.00E+00	3.02E-08	1.09E-09	2.11E-09	0.00E+00	0.00E+00	3.20E-09
2337	420075	3740471	8.45E-09	2.11E-08	0.00E+00	0.00E+00	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-09	2.11E-08	0.00E+00	0.00E+00	2.95E-08	1.06E-09	2.06E-09	0.00E+00	0.00E+00	3.12E-09
2338	420065.5	3740470	8.24E-09	2.05E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-09	2.05E-08	0.00E+00	0.00E+00	2.88E-08	1.04E-09	2.01E-09	0.00E+00	0.00E+00	3.05E-09
2339	420055.9	3740468	8.05E-09	2.01E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-09	2.01E-08	0.00E+00	0.00E+00	2.81E-08	1.01E-09	1.96E-09	0.00E+00	0.00E+00	2.98E-09
2340	420046.3	3740467	7.87E-09	1.96E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-09	1.96E-08	0.00E+00	0.00E+00	2.75E-08	9.89E-10	1.92E-09	0.00E+00	0.00E+00	2.91E-09
2341	420036.7	3740466	7.69E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	9.67E-10	1.88E-09	0.00E+00	0.00E+00	2.84E-09
2342	420027.1	3740464	7.53E-09	1.88E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.88E-08	0.00E+00	0.00E+00	2.63E-08	9.48E-10	1.84E-09	0.00E+00	0.00E+00	2.79E-09
2343	420017.5	3740463	7.40E-09	1.84E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-09	1.84E-08	0.00E+00	0.00E+00	2.59E-08	9.31E-10	1.81E-09	0.00E+00	0.00E+00	2.74E-09
2344	420008	3740462	7.28E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	9.15E-10	1.78E-09	0.00E+00	0.00E+00	2.69E-09
2345	419998.4	3740461	7.15E-09	1.78E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-09	1.78E-08	0.00E+00	0.00E+00	2.50E-08	9.00E-10	1.75E-09	0.00E+00	0.00E+00	2.64E-09
2346	419988.8	3740459	7.03E-09	1.75E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-09	1.75E-08	0.00E+00	0.00E+00	2.46E-08	8.85E-10	1.72E-09	0.00E+00	0.00E+00	2.60E-09
2347	419979.2	3740458	6.91E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	8.70E-10	1.69E-09	0.00E+00	0.00E+00	2.56E-09
2348	419969.6	3740457	6.79E-09	1.69E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-09	1.69E-08	0.00E+00	0.00E+00	2.37E-08	8.55E-10	1.66E-09	0.00E+00	0.00E+00	2.51E-09
2349	419960	3740455	6.69E-09	1.67E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-09	1.67E-08	0.00E+00	0.00E+00	2.33E-08	8.41E-10	1.63E-09	0.00E+00	0.00E+00	2.47E-09
2350	419950.4	3740454	6.57E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	8.27E-10	1.60E-09	0.00E+00	0.00E+00	2.43E-09
2351	419940.9	3740453	6.46E-09	1.61E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	1.61E-08	0.00E+00	0.00E+00	2.26E-08	8.13E-10	1.58E-09	0.00E+00	0.00E+00	2.39E-09
2352	419931.3	3740451	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	7.99E-10	1.55E-09	0.00E+00	0.00E+00	2.35E-09
2353	419921.7	3740450	6.25E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	7.87E-10	1.53E-09	0.00E+00	0.00E+00	2.31E-09
2354	419912.1	3740449	6.15E-09	1.53E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.53E-08	0.00E+00	0.00E+00	2.15E-08	7.74E-10	1.50E-09	0.00E+00	0.00E+00	2.28E-09
2355	419902.5	3740448	6.06E-09	1.51E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-09	1.51E-08	0.00E+00	0.00E+00	2.12E-08	7.62E-10	1.48E-09	0.00E+00	0.00E+00	2.24E-09
2356	419892.9	3740446	5.97E-09	1.49E-08	0.00E+00	0.00E+00	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-09	1.49E-08	0.00E+00	0.00E+00	2.09E-08	7.51E-10	1.46E-09	0.00E+00	0.00E+00	2.21E-09
2357	419883.4	3740445	5.88E-09	1.47E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-09	1.47E-08	0.00E+00	0.00E+00	2.05E-08	7.40E-10	1.44E-09	0.00E+00	0.00E+00	2.18E-09
2358	419873.8	3740444	5.80E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	7.29E-10	1.41E-09	0.00E+00	0.00E+00	2.14E-09
2359	419864.2	3740442	5.71E-09	1.42E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-09	1.42E-08	0.00E+00	0.00E+00	1.99E-08	7.18E-10	1.39E-09	0.00E+00	0.00E+00	2.11E-09
2360	419854.6	3740441	5.62E-09	1.40E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-09	1.40E-08	0.00E+00	0.00E+00	1.96E-08	7.07E-10	1.37E-09	0.00E+00	0.00E+00	2.08E-09
2361	419840.5	3740431	5.63E-09	1.40E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.40E-08	0.00E+00	0.00E+00	1.96E-08	7.08E-10	1.37E-09	0.00E+00	0.00E+00	2.08E-09
2362	419836.1	3740423	5.73E-09	1.43E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.43E-08	0.00E+00	0.00E+00	2.00E-08	7.20E-10	1.40E-09	0.00E+00	0.00E+00	2.12E-09
2363	419831.6	3740414	5.83E-09	1.45E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.45E-08	0.00E+00	0.00E+00	2.04E-08	7.34E-10	1.42E-09	0.00E+00	0.00E+00	2.16E-09
2364	419827.1	3740405	5.94E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	7.47E-10	1.45E-09	0.00E+00	0.00E+00	2.20E-09
2365	419822.6	3740397	6.04E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	7.60E-10	1.48E-09	0.00E+00	0.00E+00	2.24E-09
2366	419818.1	3740388	6.15E-09	1.53E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.53E-08	0.00E+00	0.00E+00	2.15E-08	7.73E-10	1.50E-09	0.00E+00	0.00E+00	2.27E-09
2367	419813.6	3740380	6.25E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	7.86E-10	1.53E-09	0.00E+00	0.00E+00	2.31E-09
2368	419809.1	3740371	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	8.00E-10	1.55E-09	0.00E+00	0.00E+00	2.35E-09
2369	419804.7	3740363	6.47E-09	1.61E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-09	1.61E-08	0.00E+00	0.00E+00	2.26E-08	8.13E-10	1.58E-09	0.00E+00	0.00E+00	2.39E-09
2370	419800.2	3740354	6.57E-09	1.64E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-09	1.64E-08	0.00E+00	0.00E+00	2.29E-08	8.26E-10	1.60E-09	0.00E+00	0.00E+00	2.43E-09
2371	419795.7	3740345	6.66E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	8.38E-10	1.63E-09	0.00E+00	0.00E+00	2.46E-09
2372	419764.3	3740285	7.12E-09	1.77E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-09	1.77E-08	0.00E+00	0.00E+00	2.49E-08	8.95E-10	1.74E-09	0.00E+00	0.00E+00	2.63E-09
2373	419759.8	3740277	7.14E-09	1.78E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.78E-08	0.00E+00	0.00E+00	2.49E-08	8.98E-10	1.74E-09	0.00E+00	0.00E+00	2.64E-09
2374	419755.3	3740268	7.14E-09	1.78E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.78E-08	0.00E+00	0.00E+00	2.49E-08	8.98E-10	1.74E-09	0.00E+00	0.00E+00	2.64E-09
2375	419750.8	3740260	7.14E-09	1.78E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-09	1.78E-08	0.00E+00	0.00E+00	2.49E-08	8.97E-10	1.74E-09	0.00E+00	0.00E+00	2.64E-09
2376	419737.4	3740234	7.02E-09	1.75E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.75E-08	0.00E+00	0.00E+00	2.45E-08	8.83E-10	1.71E-09	0.00E+00	0.00E+00	2.60E-09
2377	419732.9	3740225	6.95E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	8.74E-10	1.70E-09	0.00E+00	0.00E+00	2.57E-09
2378	419728.4	3740217	6.86E-09	1.71E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-09	1.71E-08	0.00E+00	0.00E+00	2.40E-08	8.63E-10	1.67E-09	0.00E+00	0.00E+00	2.54E-09
2379	419723.9	3740208	6.78E-09	1.69E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-09	1.69E-08	0.00E+00	0.00E+00	2.37E-08	8.52E-10	1.65E-09	0.00E+00	0.00E+00	2.51E-09
2380	419719.4	3740200	6.68E-09	1.67E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.67E-08

2429	419935.5	3740479	5.85E-09	1.46E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-09	1.46E-08	0.00E+00	0.00E+00	2.04E-08	7.36E-10	1.43E-09	0.00E+00	0.00E+00	2.16E-09
2430	419925.7	3740478	5.76E-09	1.44E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.44E-08	0.00E+00	0.00E+00	2.01E-08	7.25E-10	1.41E-09	0.00E+00	0.00E+00	2.13E-09
2431	419915.9	3740476	5.67E-09	1.41E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.41E-08	0.00E+00	0.00E+00	1.98E-08	7.13E-10	1.38E-09	0.00E+00	0.00E+00	2.10E-09
2432	419906.1	3740475	5.59E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	7.03E-10	1.36E-09	0.00E+00	0.00E+00	2.07E-09
2433	419896.3	3740474	5.51E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	6.93E-10	1.34E-09	0.00E+00	0.00E+00	2.04E-09
2434	419886.5	3740472	5.43E-09	1.35E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.35E-08	0.00E+00	0.00E+00	1.90E-08	6.83E-10	1.33E-09	0.00E+00	0.00E+00	2.01E-09
2435	419876.7	3740471	5.36E-09	1.33E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	1.33E-08	0.00E+00	0.00E+00	1.87E-08	6.74E-10	1.31E-09	0.00E+00	0.00E+00	1.98E-09
2436	419867	3740470	5.28E-09	1.32E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	1.32E-08	0.00E+00	0.00E+00	1.84E-08	6.64E-10	1.29E-09	0.00E+00	0.00E+00	1.95E-09
2437	419857.2	3740468	5.20E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	6.54E-10	1.27E-09	0.00E+00	0.00E+00	1.92E-09
2438	419847.4	3740467	5.13E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	6.45E-10	1.25E-09	0.00E+00	0.00E+00	1.90E-09
2439	419837.6	3740466	5.06E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	6.36E-10	1.23E-09	0.00E+00	0.00E+00	1.87E-09
2440	419823.2	3740455	5.07E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	6.38E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
2441	419818.6	3740447	5.15E-09	1.28E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-09	1.28E-08	0.00E+00	0.00E+00	1.80E-08	6.48E-10	1.26E-09	0.00E+00	0.00E+00	1.91E-09
2442	419814	3740438	5.23E-09	1.30E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-09	1.30E-08	0.00E+00	0.00E+00	1.83E-08	6.58E-10	1.28E-09	0.00E+00	0.00E+00	1.93E-09
2443	419809.5	3740429	5.32E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	6.69E-10	1.30E-09	0.00E+00	0.00E+00	1.97E-09
2444	419804.9	3740420	5.41E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	6.81E-10	1.32E-09	0.00E+00	0.00E+00	2.00E-09
2445	419800.3	3740412	5.51E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	6.93E-10	1.34E-09	0.00E+00	0.00E+00	2.04E-09
2446	419795.7	3740403	5.60E-09	1.40E-08	0.00E+00	0.00E+00	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-09	1.40E-08	0.00E+00	0.00E+00	1.96E-08	7.04E-10	1.37E-09	0.00E+00	0.00E+00	2.07E-09
2447	419768.2	3740350	6.12E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	7.70E-10	1.49E-09	0.00E+00	0.00E+00	2.26E-09
2448	419763.6	3740342	6.18E-09	1.54E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.54E-08	0.00E+00	0.00E+00	2.16E-08	7.78E-10	1.51E-09	0.00E+00	0.00E+00	2.29E-09
2449	419759.1	3740333	6.25E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	7.86E-10	1.52E-09	0.00E+00	0.00E+00	2.31E-09
2450	419754.5	3740324	6.31E-09	1.57E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.57E-08	0.00E+00	0.00E+00	2.20E-08	7.93E-10	1.54E-09	0.00E+00	0.00E+00	2.33E-09
2451	419749.9	3740315	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	7.99E-10	1.55E-09	0.00E+00	0.00E+00	2.35E-09
2452	419745.3	3740307	6.39E-09	1.59E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-09	1.59E-08	0.00E+00	0.00E+00	2.23E-08	8.04E-10	1.56E-09	0.00E+00	0.00E+00	2.36E-09
2453	419740.7	3740298	6.42E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	8.07E-10	1.57E-09	0.00E+00	0.00E+00	2.37E-09
2454	419736.1	3740289	6.43E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	8.09E-10	1.57E-09	0.00E+00	0.00E+00	2.38E-09
2455	419731.6	3740280	6.44E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	8.09E-10	1.57E-09	0.00E+00	0.00E+00	2.38E-09
2456	419727	3740272	6.43E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	8.09E-10	1.57E-09	0.00E+00	0.00E+00	2.38E-09
2457	419708.7	3740237	6.28E-09	1.56E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.56E-08	0.00E+00	0.00E+00	2.19E-08	7.89E-10	1.53E-09	0.00E+00	0.00E+00	2.32E-09
2458	419704.1	3740228	6.21E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	7.80E-10	1.51E-09	0.00E+00	0.00E+00	2.29E-09
2459	419699.5	3740219	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	7.71E-10	1.50E-09	0.00E+00	0.00E+00	2.27E-09
2460	419694.9	3740210	6.05E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	7.61E-10	1.48E-09	0.00E+00	0.00E+00	2.24E-09
2461	419690.3	3740202	5.96E-09	1.49E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.49E-08	0.00E+00	0.00E+00	2.08E-08	7.50E-10	1.45E-09	0.00E+00	0.00E+00	2.20E-09
2462	419685.7	3740193	5.87E-09	1.46E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.46E-08	0.00E+00	0.00E+00	2.05E-08	7.38E-10	1.43E-09	0.00E+00	0.00E+00	2.17E-09
2463	419681.2	3740184	5.76E-09	1.44E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-09	1.44E-08	0.00E+00	0.00E+00	2.01E-08	7.25E-10	1.41E-09	0.00E+00	0.00E+00	2.13E-09
2464	419676.6	3740175	5.65E-09	1.41E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.41E-08	0.00E+00	0.00E+00	1.97E-08	7.10E-10	1.38E-09	0.00E+00	0.00E+00	2.09E-09
2465	419672	3740167	5.53E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	6.95E-10	1.35E-09	0.00E+00	0.00E+00	2.05E-09
2466	419667.4	3740158	5.41E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	6.80E-10	1.32E-09	0.00E+00	0.00E+00	2.00E-09
2467	419662.8	3740149	5.30E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	6.66E-10	1.29E-09	0.00E+00	0.00E+00	1.96E-09
2468	419658.2	3740140	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.53E-10	1.27E-09	0.00E+00	0.00E+00	1.92E-09
2469	419653.7	3740132	5.08E-09	1.27E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	1.27E-08	0.00E+00	0.00E+00	1.77E-08	6.39E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
2470	420209.7	3740516	1.03E-08	2.57E-08	0.00E+00	0.00E+00	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	2.57E-08	0.00E+00	0.00E+00	3.60E-08	1.30E-09	2.52E-09	0.00E+00	0.00E+00	3.82E-09
2471	420247.1	3740503	1.19E-08	2.97E-08	0.00E+00	0.00E+00	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.97E-08	0.00E+00	0.00E+00	4.16E-08	1.50E-09	2.91E-09	0.00E+00	0.00E+00	4.41E-09
2472	420256.4	3740500	1.23E-08	3.07E-08	0.00E+00	0.00E+00	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	3.07E-08	0.00E+00	0.00E+00	4.30E-08	1.55E-09	3.01E-09	0.00E+00	0.00E+00	4.56E-09
2473	420265.8	3740496	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	3.17E-08	0.00E+00	0.00E+00	4.44E-08	1.60E-09	3.10E-09	0.00E+00	0.00E+00	4.70E-09
2474	420275.1	3740493	1.31E-08	3.26E-08	0.00E+00	0.00E+00	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	3.26E-08	0.00E+00	0.00E+00	4.57E-08	1.65E-09	3.19E-09	0.00E+00	0.00E+00	4.84E-09
2475	420284.5	3740490	1.35E-08	3.35E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	3.35E-08	0.00E+00	0.00E+00	4.70E-08	1.69E-09	3.28E-09	0.00E+00	0.00E+00	4.98E-09
2476	420293.8	3740486	1.38E-08	3.44E-08	0.00E+00	0.00E+00	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.44E-08	0.00E+00	0.00E+00	4.82E-08	1.74E-09	3.37E-09	0.00E+00	0.00E+00	5.11E-09
2477	420303.2	3740483	1.41E-08	3.52E-08	0.00E+00	0.00E+00	4.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	3.52E-08	0.00E+00	0.00E+00	4.94E-08	1.78E-09	3.45E-09	0.00E+00	0.00E+00	5.23E-09
2478	420312.5	3740480	1.44E-08	3.60E-08	0.00E+00	0.00E+00	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	3.60E-08	0.00E+00	0.00E+00	5.05E-08	1.82E-09	3.53E-09	0.00E+00	0.00E+00	5.34E-09
2479	420321.9	3740476	1.47E-08	3.67E-08	0.00E+00	0.00E+00	5.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-08	3.67E-08	0.00E+00	0.00E+00	5.15E-08	1.85E-09	3.60E-09	0.00E+00	0.00E+00	5.45E-09
2480	420331.2	3740473	1.50E-08	3.74E-08	0.00E+00	0.00E+00	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	3.74E-08	0.00E+00	0.00E+00	5.24E-08	1.89E-09	3.66E-09	0.00E+00	0.00E+00	5.54E-09
2481	420340.6	3740470	1.52E-08	3.79E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.79E-08	0.00E+00	0.00E+00	5.32E-08	1.91E-09	3.72E-09	0.00E+00	0.00E+00	5.63E-09
2482	420349.9	3740466	1.54E-08	3.85E-08	0.00E+00	0.00E+00	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	3.85E-08	0.00E+00	0.00E+00	5.39E-08	1.94E-09	3.77E-09	0.00E+00	0.00E+00	5.71E-09
2483	420210	3740543	9.22E-09	2.30E-08	0.00E+00	0.00E+00	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	2.30E-08	0.00E+00	0.00E+00	3.22E-08	1.16E-09	2.25E-09	0.00E+00	0.00E+00	3.41E-09
2484	420200.2	3740542	9.06E-09	2.26E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-09	2.26E-08	0.00E+00	0.00E+00	3.16E-08	1.14E-09	2.21E-09	0.00E+00	0.00E+00	3.35E-09
2485	420190.5	3740541	8.89E-09	2.22E-08	0.00E+00	0.00E+00	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-09	2.22E-08	0.00E+00	0.00E+00	3.10E-08	1.12E-09	2.17E-09	0.00E+00	0.00E+00	3.29E-09
2486	420180.7	3740539	8.72E-09	2.17E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-09	2.17E-08	0.00E+00	0.00E+00	3.04E-08	1.10E-09	2.13E-09	0.00E+00	0.00E+00	3.22E-09
2487	420171	3740538	8.54E-09	2.13E-08	0.00E+00	0.00E+00	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-09	2.13E-08	0.00E+00	0.00E+00	2.98E-08	1.07E-09	2.08E-09	0.00E+00	0.00E+00	3.16E-09
2488	420161.3	3740537	8.36E-09	2.08E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	2.08E-08	0.00E+00	0.00E+00	2.92E-08	1.05E-09	2.04E-09	0.00E+00	0.00E+00	3.09E-09
2489	420151.5	3740535	8.18E-09	2.04E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-09	2.04E-08	0.00E+00	0.00E+00	2.86E-08	1.03E-09	2.00E-09	0.00E+00	0.00E+00	3.02E-09
2490	420141.8	3740534	8.00E-09	1.99E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-09	1.99E-08	0.00E+00	0.00E+00	2.79E-08	1.01E-09	1.95E-09	0.00E+00	0.00E+00	2.96E-09
2491	420132	3740533	7.82E-09	1.95E-08	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-09	1.95E-08	0.00E+00	0.00E+00	2.73E-08	9.84E-10	1.91E-09	0.00E+00	0.00E+00	2.89E-09
2492	420122.3	3740531	7.65E-09	1.91E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.91E-08	0.00E+00	0.00E+00	2.67E-08	9.62E-10	1.87E-09	0.00E+00	0.00E+00	2.83E-09
2493	420112.6	3740530	7.48E-09	1.87E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-09	1.87E-08	0.00E+00	0.00E+00	2.61E-08	9.41E-10	1.83E-09	0.00E+00	0.00E+00	2.77E-09
2494	420102.8	3740529	7.32E-09	1.82E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.82E-08	0.00E+00	0.00E+00	2.56E-08	9.21E-10	1.79E-09	0.00E+00	0.00E+00	2.71E-09
2495	420093.1	3740527	7.16E-09	1.79E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-09	1.79E-08	0.00E+00	0.00E+00	2.50E-08	9.01E-10	1.75E-09	0.00E+00	0.00E+00	2.65E-09
2496	420083.3	3740526	7.02E-09	1.75E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.75E-08	0.00E+00	0.00E+00	2.45E-08	8.83E-10	1.71E-09	0.00E+00	0.00E+00	2.60E-09
2497	420073.6	3740525	6.88E-09	1.71E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.71E-08	0.00E+00	0.00E+00	2.40E-08	8.65E-10	1.68E-09	0.00E+00	0.00E+00	2.54E-09
2498	420063.8	3740523	6.74E-09	1.68E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.68E-08	0.00E+00	0.00E+00	2.35E-08	8.48E-10	1.65E-09	0.00E+00	0.00E+00	2.49E-09
2499	420054.1	3740522	6.61E-09	1.65E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-09	1.65E-08	0.00E+00	0.00E+00	2.31E-08	8.31E-10	1.61E-09	0.00E+00	0.00E+00	2.44E-09
2500	420044.4	3740521	6.48E-09	1.62E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.62E-08	0.00E+00	0.00E+00	2.26E-08	8.15E-10	1.58E-09	0.00E+00	0.00E+00	2.40E-09
2501	420034.6	3740519	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	8.00E-10	1.55E-09	0.00E+00	0.00E+00	2.35E-09
2502	420024.9	3740518	6.24E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	7.85E-10	1.52E-09	0.00E+00	0.00E+00	2.31E-09
2503	420015.1	3740517	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	7.71E-10	1.50E-09	0.00E+00	0.00E+00	2.27E-09
2504	420005.4	3740515	6.02E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	7.58E-10	1.47E-09	0.00E+00	0.00E+00	2.23E-09
2505	419995.7	3740514	5.92E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	7.45E-10	1.45E-09	0.00E+00	0.00E+00	2.19E-09
2506	419985.9	3740513	5.83E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	7.33E-10	1.42E-09	0.00E+00	0.00E+00	2.15E-09
2507	419976.2	3740511	5.73E-09	1.43E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-09	1.43E-08	0.00E+00	0.00E+00	2.00E-08	7.21E-10	1.40E-09	0.00E+00	0.00E+00	2.12E-09
2508	419966.4	3740510	5.65E-09	1.41E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.41E-08	0

2557	420257.1	3740531	1.07E-08	2.67E-08	0.00E+00	0.00E+00	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.67E-08	0.00E+00	0.00E+00	3.74E-08	1.35E-09	2.62E-09	0.00E+00	0.00E+00	3.96E-09
2558	420266.5	3740528	1.11E-08	2.76E-08	0.00E+00	0.00E+00	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.76E-08	0.00E+00	0.00E+00	3.86E-08	1.39E-09	2.70E-09	0.00E+00	0.00E+00	4.09E-09
2559	420275.8	3740525	1.14E-08	2.84E-08	0.00E+00	0.00E+00	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.84E-08	0.00E+00	0.00E+00	3.98E-08	1.43E-09	2.78E-09	0.00E+00	0.00E+00	4.21E-09
2560	420285.2	3740521	1.17E-08	2.92E-08	0.00E+00	0.00E+00	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.92E-08	0.00E+00	0.00E+00	4.10E-08	1.48E-09	2.86E-09	0.00E+00	0.00E+00	4.34E-09
2561	420294.5	3740518	1.20E-08	3.00E-08	0.00E+00	0.00E+00	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	3.00E-08	0.00E+00	0.00E+00	4.21E-08	1.52E-09	2.94E-09	0.00E+00	0.00E+00	4.46E-09
2562	420303.9	3740515	1.23E-08	3.08E-08	0.00E+00	0.00E+00	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	3.08E-08	0.00E+00	0.00E+00	4.31E-08	1.55E-09	3.01E-09	0.00E+00	0.00E+00	4.57E-09
2563	420313.2	3740511	1.26E-08	3.15E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	3.15E-08	0.00E+00	0.00E+00	4.41E-08	1.59E-09	3.08E-09	0.00E+00	0.00E+00	4.67E-09
2564	420322.6	3740508	1.29E-08	3.21E-08	0.00E+00	0.00E+00	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	3.21E-08	0.00E+00	0.00E+00	4.50E-08	1.62E-09	3.15E-09	0.00E+00	0.00E+00	4.77E-09
2565	420331.9	3740505	1.31E-08	3.28E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	3.28E-08	0.00E+00	0.00E+00	4.59E-08	1.65E-09	3.21E-09	0.00E+00	0.00E+00	4.86E-09
2566	420341.3	3740501	1.34E-08	3.33E-08	0.00E+00	0.00E+00	4.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	3.33E-08	0.00E+00	0.00E+00	4.67E-08	1.68E-09	3.26E-09	0.00E+00	0.00E+00	4.94E-09
2567	420350.6	3740498	1.36E-08	3.38E-08	0.00E+00	0.00E+00	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	3.38E-08	0.00E+00	0.00E+00	4.74E-08	1.71E-09	3.31E-09	0.00E+00	0.00E+00	5.02E-09
2568	420360	3740495	1.38E-08	3.43E-08	0.00E+00	0.00E+00	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.43E-08	0.00E+00	0.00E+00	4.80E-08	1.73E-09	3.36E-09	0.00E+00	0.00E+00	5.09E-09
2569	420191	3740568	8.01E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	1.01E-09	1.96E-09	0.00E+00	0.00E+00	2.96E-09
2570	420181.3	3740566	7.86E-09	1.96E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-09	1.96E-08	0.00E+00	0.00E+00	2.75E-08	9.89E-10	1.92E-09	0.00E+00	0.00E+00	2.91E-09
2571	420171.6	3740565	7.71E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	9.70E-10	1.88E-09	0.00E+00	0.00E+00	2.85E-09
2572	420161.9	3740564	7.56E-09	1.88E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.88E-08	0.00E+00	0.00E+00	2.64E-08	9.50E-10	1.84E-09	0.00E+00	0.00E+00	2.79E-09
2573	420152.2	3740562	7.40E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	9.31E-10	1.81E-09	0.00E+00	0.00E+00	2.74E-09
2574	420142.5	3740561	7.25E-09	1.81E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	1.81E-08	0.00E+00	0.00E+00	2.53E-08	9.12E-10	1.77E-09	0.00E+00	0.00E+00	2.68E-09
2575	420132.8	3740560	7.10E-09	1.77E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-09	1.77E-08	0.00E+00	0.00E+00	2.48E-08	8.92E-10	1.73E-09	0.00E+00	0.00E+00	2.62E-09
2576	420123.1	3740558	6.94E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	8.73E-10	1.69E-09	0.00E+00	0.00E+00	2.57E-09
2577	420113.4	3740557	6.80E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	8.55E-10	1.66E-09	0.00E+00	0.00E+00	2.52E-09
2578	420103.7	3740556	6.66E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	8.38E-10	1.63E-09	0.00E+00	0.00E+00	2.46E-09
2579	420094	3740554	6.53E-09	1.63E-08	0.00E+00	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-09	1.63E-08	0.00E+00	0.00E+00	2.28E-08	8.21E-10	1.59E-09	0.00E+00	0.00E+00	2.41E-09
2580	420084.3	3740553	6.40E-09	1.59E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-09	1.59E-08	0.00E+00	0.00E+00	2.23E-08	8.05E-10	1.56E-09	0.00E+00	0.00E+00	2.37E-09
2581	420074.6	3740552	6.27E-09	1.56E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-09	1.56E-08	0.00E+00	0.00E+00	2.19E-08	7.89E-10	1.53E-09	0.00E+00	0.00E+00	2.32E-09
2582	420064.9	3740550	6.15E-09	1.53E-08	0.00E+00	0.00E+00	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-09	1.53E-08	0.00E+00	0.00E+00	2.15E-08	7.74E-10	1.50E-09	0.00E+00	0.00E+00	2.28E-09
2583	420055.2	3740549	6.04E-09	1.50E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-09	1.50E-08	0.00E+00	0.00E+00	2.11E-08	7.59E-10	1.47E-09	0.00E+00	0.00E+00	2.23E-09
2584	420045.5	3740548	5.93E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	7.46E-10	1.45E-09	0.00E+00	0.00E+00	2.19E-09
2585	420035.8	3740546	5.82E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	7.32E-10	1.42E-09	0.00E+00	0.00E+00	2.15E-09
2586	420026.1	3740545	5.72E-09	1.43E-08	0.00E+00	0.00E+00	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-09	1.43E-08	0.00E+00	0.00E+00	2.00E-08	7.20E-10	1.40E-09	0.00E+00	0.00E+00	2.12E-09
2587	420016.4	3740544	5.63E-09	1.40E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-09	1.40E-08	0.00E+00	0.00E+00	1.97E-08	7.08E-10	1.37E-09	0.00E+00	0.00E+00	2.08E-09
2588	420006.7	3740542	5.53E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	6.96E-10	1.35E-09	0.00E+00	0.00E+00	2.05E-09
2589	419997	3740541	5.45E-09	1.36E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.36E-08	0.00E+00	0.00E+00	1.90E-08	6.85E-10	1.33E-09	0.00E+00	0.00E+00	2.01E-09
2590	419987.3	3740540	5.36E-09	1.34E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-09	1.34E-08	0.00E+00	0.00E+00	1.87E-08	6.75E-10	1.31E-09	0.00E+00	0.00E+00	1.98E-09
2591	419977.6	3740538	5.28E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	6.65E-10	1.29E-09	0.00E+00	0.00E+00	1.95E-09
2592	419967.9	3740537	5.21E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	6.55E-10	1.27E-09	0.00E+00	0.00E+00	1.93E-09
2593	419958.2	3740536	5.13E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	6.45E-10	1.25E-09	0.00E+00	0.00E+00	1.90E-09
2594	419948.5	3740534	5.06E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	6.36E-10	1.23E-09	0.00E+00	0.00E+00	1.87E-09
2595	419938.8	3740533	4.98E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	6.27E-10	1.22E-09	0.00E+00	0.00E+00	1.84E-09
2596	419929.1	3740532	4.91E-09	1.22E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	1.22E-08	0.00E+00	0.00E+00	1.72E-08	6.18E-10	1.20E-09	0.00E+00	0.00E+00	1.82E-09
2597	419919.4	3740531	4.84E-09	1.21E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	1.21E-08	0.00E+00	0.00E+00	1.69E-08	6.09E-10	1.18E-09	0.00E+00	0.00E+00	1.79E-09
2598	419909.7	3740529	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	6.00E-10	1.17E-09	0.00E+00	0.00E+00	1.77E-09
2599	419900	3740528	4.71E-09	1.17E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	1.17E-08	0.00E+00	0.00E+00	1.65E-08	5.93E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
2600	419890.3	3740527	4.65E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	5.85E-10	1.14E-09	0.00E+00	0.00E+00	1.72E-09
2601	419880.6	3740525	4.59E-09	1.15E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	1.15E-08	0.00E+00	0.00E+00	1.60E-08	5.78E-10	1.12E-09	0.00E+00	0.00E+00	1.70E-09
2602	419870.9	3740524	4.54E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	5.70E-10	1.11E-09	0.00E+00	0.00E+00	1.68E-09
2603	419861.2	3740523	4.48E-09	1.12E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-09	1.12E-08	0.00E+00	0.00E+00	1.56E-08	5.63E-10	1.09E-09	0.00E+00	0.00E+00	1.66E-09
2604	419851.5	3740521	4.42E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	5.56E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
2605	419841.8	3740520	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	5.49E-10	1.07E-09	0.00E+00	0.00E+00	1.61E-09
2606	419832.1	3740519	4.31E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.42E-10	1.05E-09	0.00E+00	0.00E+00	1.59E-09
2607	419822.4	3740517	4.25E-09	1.06E-08	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	1.06E-08	0.00E+00	0.00E+00	1.48E-08	5.35E-10	1.04E-09	0.00E+00	0.00E+00	1.57E-09
2608	419812.7	3740516	4.20E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	5.28E-10	1.02E-09	0.00E+00	0.00E+00	1.55E-09
2609	419803	3740515	4.15E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	5.22E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
2610	419766.1	3740461	4.49E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	5.65E-10	1.10E-09	0.00E+00	0.00E+00	1.66E-09
2611	419761.6	3740453	4.56E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	5.73E-10	1.11E-09	0.00E+00	0.00E+00	1.69E-09
2612	419757	3740444	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	5.82E-10	1.13E-09	0.00E+00	0.00E+00	1.71E-09
2613	419752.5	3740435	4.69E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.90E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
2614	419747.9	3740427	4.76E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	5.99E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
2615	419743.4	3740418	4.83E-09	1.20E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-09	1.20E-08	0.00E+00	0.00E+00	1.69E-08	6.08E-10	1.18E-09	0.00E+00	0.00E+00	1.79E-09
2616	419738.9	3740409	4.90E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	6.16E-10	1.20E-09	0.00E+00	0.00E+00	1.81E-09
2617	419734.3	3740401	4.96E-09	1.24E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	1.24E-08	0.00E+00	0.00E+00	1.73E-08	6.24E-10	1.21E-09	0.00E+00	0.00E+00	1.83E-09
2618	419729.8	3740392	5.02E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	6.31E-10	1.23E-09	0.00E+00	0.00E+00	1.86E-09
2619	419725.2	3740383	5.08E-09	1.27E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	1.27E-08	0.00E+00	0.00E+00	1.77E-08	6.39E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
2620	419720.7	3740375	5.13E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	6.45E-10	1.25E-09	0.00E+00	0.00E+00	1.90E-09
2621	419716.2	3740366	5.18E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.51E-10	1.26E-09	0.00E+00	0.00E+00	1.91E-09
2622	419711.6	3740357	5.21E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	6.56E-10	1.27E-09	0.00E+00	0.00E+00	1.93E-09
2623	419707.1	3740349	5.25E-09	1.31E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-09	1.31E-08	0.00E+00	0.00E+00	1.83E-08	6.60E-10	1.28E-09	0.00E+00	0.00E+00	1.94E-09
2624	419702.5	3740340	5.28E-09	1.32E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	1.32E-08	0.00E+00	0.00E+00	1.84E-08	6.64E-10	1.29E-09	0.00E+00	0.00E+00	1.95E-09
2625	419698	3740331	5.30E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	6.67E-10	1.29E-09	0.00E+00	0.00E+00	1.96E-09
2626	419693.5	3740323	5.32E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	6.69E-10	1.30E-09	0.00E+00	0.00E+00	1.97E-09
2627	419688.9	3740314	5.33E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	6.70E-10	1.30E-09	0.00E+00	0.00E+00	1.97E-09
2628	419684.4	3740305	5.33E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	6.70E-10	1.30E-09	0.00E+00	0.00E+00	1.97E-09
2629	419679.9	3740297	5.32E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	6.69E-10	1.30E-09	0.00E+00	0.00E+00	1.97E-09
2630	419675.3	3740288	5.30E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	6.67E-10	1.29E-09	0.00E+00	0.00E+00	1.96E-09
2631	419620.9	3740184	4.60E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	5.79E-10	1.12E-09	0.00E+00	0.00E+00	1.70E-09
2632	419616.3	3740175	4.52E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	5.68E-10	1.10E-09	0.00E+00	0.00E+00	1.67E-09
2633	419611.8	3740166	4.43E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	5.58E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
2634	419607.2	3740158	4.35E-09	1.08E-08	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-09	1.08E-08	0.00E+00	0.00E+00	1.52E-08	5.47E-10	1.06E-09	0.00E+00	0.00E+00	1.61E-09
2635	419602.7	3740149	4.27E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	5.37E-10	1.04E-09	0.00E+00	0.00E+00	1.58E-09
2636	419598.2	3740140	4.19E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	1.04E-08	0.00

2685	419730.9	3740452	4.33E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	5.44E-10	1.06E-09	0.00E+00	0.00E+00	1.60E-09
2686	419726.4	3740443	4.39E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	5.52E-10	1.07E-09	0.00E+00	0.00E+00	1.62E-09
2687	419721.8	3740434	4.44E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	5.59E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
2688	419717.3	3740426	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	5.66E-10	1.10E-09	0.00E+00	0.00E+00	1.66E-09
2689	419712.8	3740417	4.55E-09	1.13E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-09	1.13E-08	0.00E+00	0.00E+00	1.59E-08	5.72E-10	1.11E-09	0.00E+00	0.00E+00	1.68E-09
2690	419708.3	3740408	4.60E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	5.79E-10	1.12E-09	0.00E+00	0.00E+00	1.70E-09
2691	419703.8	3740400	4.65E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	1.16E-08	0.00E+00	0.00E+00	1.63E-08	5.85E-10	1.14E-09	0.00E+00	0.00E+00	1.72E-09
2692	419699.2	3740391	4.70E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.91E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
2693	419694.7	3740382	4.74E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	5.96E-10	1.16E-09	0.00E+00	0.00E+00	1.75E-09
2694	419690.2	3740374	4.78E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	6.01E-10	1.17E-09	0.00E+00	0.00E+00	1.77E-09
2695	419685.7	3740365	4.81E-09	1.20E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-09	1.20E-08	0.00E+00	0.00E+00	1.68E-08	6.05E-10	1.17E-09	0.00E+00	0.00E+00	1.78E-09
2696	419681.1	3740357	4.84E-09	1.21E-08	0.00E+00	0.00E+00	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-09	1.21E-08	0.00E+00	0.00E+00	1.69E-08	6.09E-10	1.18E-09	0.00E+00	0.00E+00	1.79E-09
2697	419676.6	3740348	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	6.12E-10	1.19E-09	0.00E+00	0.00E+00	1.80E-09
2698	419672.1	3740339	4.88E-09	1.22E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	1.22E-08	0.00E+00	0.00E+00	1.70E-08	6.14E-10	1.19E-09	0.00E+00	0.00E+00	1.81E-09
2699	419667.6	3740331	4.89E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	6.15E-10	1.19E-09	0.00E+00	0.00E+00	1.81E-09
2700	419663.1	3740322	4.89E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	6.15E-10	1.19E-09	0.00E+00	0.00E+00	1.81E-09
2701	419658.5	3740313	4.89E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	6.14E-10	1.19E-09	0.00E+00	0.00E+00	1.81E-09
2702	419654	3740305	4.87E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	6.13E-10	1.19E-09	0.00E+00	0.00E+00	1.80E-09
2703	419649.5	3740296	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	6.11E-10	1.18E-09	0.00E+00	0.00E+00	1.80E-09
2704	419635.9	3740270	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	5.99E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
2705	419631.4	3740261	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	5.95E-10	1.15E-09	0.00E+00	0.00E+00	1.75E-09
2706	419626.9	3740253	4.68E-09	1.17E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	1.17E-08	0.00E+00	0.00E+00	1.63E-08	5.89E-10	1.14E-09	0.00E+00	0.00E+00	1.73E-09
2707	419622.4	3740244	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	5.82E-10	1.13E-09	0.00E+00	0.00E+00	1.71E-09
2708	419617.9	3740236	4.57E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	5.74E-10	1.11E-09	0.00E+00	0.00E+00	1.69E-09
2709	419613.3	3740227	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	5.66E-10	1.10E-09	0.00E+00	0.00E+00	1.66E-09
2710	419608.8	3740218	4.43E-09	1.10E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	1.10E-08	0.00E+00	0.00E+00	1.55E-08	5.57E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
2711	419604.3	3740210	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	5.48E-10	1.06E-09	0.00E+00	0.00E+00	1.61E-09
2712	419599.8	3740201	4.29E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.39E-10	1.05E-09	0.00E+00	0.00E+00	1.59E-09
2713	419595.2	3740192	4.21E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	5.30E-10	1.03E-09	0.00E+00	0.00E+00	1.56E-09
2714	419563.6	3740132	3.72E-09	9.27E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	9.27E-09	0.00E+00	0.00E+00	1.30E-08	4.68E-10	9.08E-10	0.00E+00	0.00E+00	1.38E-09
2715	420249.1	3740598	8.13E-09	2.03E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-09	2.03E-08	0.00E+00	0.00E+00	2.84E-08	1.02E-09	1.99E-09	0.00E+00	0.00E+00	3.01E-09
2716	420258.5	3740594	8.38E-09	2.09E-08	0.00E+00	0.00E+00	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-09	2.09E-08	0.00E+00	0.00E+00	2.93E-08	1.05E-09	2.04E-09	0.00E+00	0.00E+00	3.10E-09
2717	420323.9	3740571	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.51E-08	1.26E-09	2.45E-09	0.00E+00	0.00E+00	3.72E-09
2718	420333.3	3740568	1.03E-08	2.56E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	2.56E-08	0.00E+00	0.00E+00	3.59E-08	1.29E-09	2.51E-09	0.00E+00	0.00E+00	3.80E-09
2719	420342.6	3740565	1.05E-08	2.61E-08	0.00E+00	0.00E+00	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	2.61E-08	0.00E+00	0.00E+00	3.66E-08	1.32E-09	2.55E-09	0.00E+00	0.00E+00	3.87E-09
2720	420352	3740561	1.07E-08	2.66E-08	0.00E+00	0.00E+00	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.66E-08	0.00E+00	0.00E+00	3.72E-08	1.34E-09	2.60E-09	0.00E+00	0.00E+00	3.94E-09
2721	420361.3	3740558	1.08E-08	2.70E-08	0.00E+00	0.00E+00	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.70E-08	0.00E+00	0.00E+00	3.78E-08	1.36E-09	2.64E-09	0.00E+00	0.00E+00	4.01E-09
2722	420370.7	3740555	1.10E-08	2.74E-08	0.00E+00	0.00E+00	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.74E-08	0.00E+00	0.00E+00	3.84E-08	1.38E-09	2.68E-09	0.00E+00	0.00E+00	4.07E-09
2723	420380	3740551	1.11E-08	2.78E-08	0.00E+00	0.00E+00	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-08	2.78E-08	0.00E+00	0.00E+00	3.89E-08	1.40E-09	2.72E-09	0.00E+00	0.00E+00	4.12E-09
2724	420220.4	3740625	6.95E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	8.75E-10	1.70E-09	0.00E+00	0.00E+00	2.57E-09
2725	420210.6	3740624	6.84E-09	1.70E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-09	1.70E-08	0.00E+00	0.00E+00	2.39E-08	8.60E-10	1.67E-09	0.00E+00	0.00E+00	2.53E-09
2726	420200.7	3740623	6.72E-09	1.67E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.67E-08	0.00E+00	0.00E+00	2.35E-08	8.45E-10	1.64E-09	0.00E+00	0.00E+00	2.49E-09
2727	420190.9	3740621	6.60E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	8.30E-10	1.61E-09	0.00E+00	0.00E+00	2.44E-09
2728	420181.1	3740620	6.48E-09	1.61E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-09	1.61E-08	0.00E+00	0.00E+00	2.26E-08	8.15E-10	1.58E-09	0.00E+00	0.00E+00	2.40E-09
2729	420171.3	3740619	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	8.00E-10	1.55E-09	0.00E+00	0.00E+00	2.35E-09
2730	420161.5	3740617	6.24E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	7.85E-10	1.52E-09	0.00E+00	0.00E+00	2.31E-09
2731	420151.6	3740616	6.12E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	7.70E-10	1.49E-09	0.00E+00	0.00E+00	2.26E-09
2732	420141.8	3740615	6.01E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	7.56E-10	1.47E-09	0.00E+00	0.00E+00	2.22E-09
2733	420132	3740613	5.90E-09	1.47E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.47E-08	0.00E+00	0.00E+00	2.06E-08	7.42E-10	1.44E-09	0.00E+00	0.00E+00	2.18E-09
2734	420122.2	3740612	5.79E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	7.28E-10	1.41E-09	0.00E+00	0.00E+00	2.14E-09
2735	420112.4	3740611	5.68E-09	1.42E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.42E-08	0.00E+00	0.00E+00	1.98E-08	7.14E-10	1.39E-09	0.00E+00	0.00E+00	2.10E-09
2736	420102.5	3740609	5.57E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	7.01E-10	1.36E-09	0.00E+00	0.00E+00	2.06E-09
2737	420092.7	3740608	5.47E-09	1.36E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-09	1.36E-08	0.00E+00	0.00E+00	1.91E-08	6.88E-10	1.34E-09	0.00E+00	0.00E+00	2.02E-09
2738	420082.9	3740607	5.37E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	6.75E-10	1.31E-09	0.00E+00	0.00E+00	1.99E-09
2739	420073.1	3740605	5.27E-09	1.31E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-09	1.31E-08	0.00E+00	0.00E+00	1.84E-08	6.63E-10	1.29E-09	0.00E+00	0.00E+00	1.95E-09
2740	420063.3	3740604	5.18E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.51E-10	1.26E-09	0.00E+00	0.00E+00	1.91E-09
2741	420053.4	3740603	5.09E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.40E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
2742	420043.6	3740601	5.00E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	6.29E-10	1.22E-09	0.00E+00	0.00E+00	1.85E-09
2743	420033.8	3740600	4.92E-09	1.23E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	1.23E-08	0.00E+00	0.00E+00	1.72E-08	6.18E-10	1.20E-09	0.00E+00	0.00E+00	1.82E-09
2744	419808	3740569	3.63E-09	9.05E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	9.05E-09	0.00E+00	0.00E+00	1.27E-08	4.57E-10	8.86E-10	0.00E+00	0.00E+00	1.34E-09
2745	419798.1	3740568	3.59E-09	8.96E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	8.96E-09	0.00E+00	0.00E+00	1.25E-08	4.52E-10	8.77E-10	0.00E+00	0.00E+00	1.33E-09
2746	419768.7	3740564	3.49E-09	8.70E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	8.70E-09	0.00E+00	0.00E+00	1.22E-08	4.39E-10	8.52E-10	0.00E+00	0.00E+00	1.29E-09
2747	419754.3	3740554	3.50E-09	8.73E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	8.73E-09	0.00E+00	0.00E+00	1.22E-08	4.41E-10	8.55E-10	0.00E+00	0.00E+00	1.30E-09
2748	419749.7	3740545	3.55E-09	8.85E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	8.85E-09	0.00E+00	0.00E+00	1.24E-08	4.47E-10	8.67E-10	0.00E+00	0.00E+00	1.31E-09
2749	419745.1	3740536	3.60E-09	8.97E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	8.97E-09	0.00E+00	0.00E+00	1.26E-08	4.53E-10	8.79E-10	0.00E+00	0.00E+00	1.33E-09
2750	419740.5	3740527	3.65E-09	9.09E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	9.09E-09	0.00E+00	0.00E+00	1.27E-08	4.59E-10	8.90E-10	0.00E+00	0.00E+00	1.35E-09
2751	419735.9	3740519	3.70E-09	9.21E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	9.21E-09	0.00E+00	0.00E+00	1.29E-08	4.65E-10	9.02E-10	0.00E+00	0.00E+00	1.37E-09
2752	419731.3	3740510	3.75E-09	9.34E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	9.34E-09	0.00E+00	0.00E+00	1.31E-08	4.71E-10	9.15E-10	0.00E+00	0.00E+00	1.39E-09
2753	419726.7	3740501	3.80E-09	9.47E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	9.47E-09	0.00E+00	0.00E+00	1.33E-08	4.78E-10	9.28E-10	0.00E+00	0.00E+00	1.41E-09
2754	419722.1	3740492	3.85E-09	9.60E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	9.60E-09	0.00E+00	0.00E+00	1.35E-08	4.85E-10	9.40E-10	0.00E+00	0.00E+00	1.42E-09
2755	419717.5	3740483	3.91E-09	9.73E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-09	9.73E-09	0.00E+00	0.00E+00	1.36E-08	4.91E-10	9.53E-10	0.00E+00	0.00E+00	1.44E-09
2756	419712.9	3740475	3.96E-09	9.86E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	9.86E-09	0.00E+00	0.00E+00	1.38E-08	4.98E-10	9.66E-10	0.00E+00	0.00E+00	1.46E-09
2757	419708.3	3740466	4.01E-09	9.99E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	9.99E-09	0.00E+00	0.00E+00	1.40E-08	5.04E-10	9.78E-10	0.00E+00	0.00E+00	1.48E-09
2758	419703.7	3740457	4.06E-09	1.01E-08	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-09	1.01E-08	0.00E+00	0.00E+00	1.42E-08	5.11E-10	9.91E-10	0.00E+00	0.00E+00	1.50E-09
2759	419699.1	3740448	4.11E-09	1.02E-08	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	1.02E-08	0.00E+00	0.00E+00	1.44E-08	5.17E-10	1.00E-09	0.00E+00	0.00E+00	1.52E-09
2760	419694.5	3740440	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	5.23E-10	1.01E-09	0.00E+00	0.00E+00	1.54E-09
2761	419689.9	3740431	4.20E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	5.29E-10	1.03E-09	0.00E+00	0.00E+00	1.55E-09
2762	419685.3	3740422	4.25E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	5.35E-10	1.04E-09	0.00E+00	0.00E+00	1.57E-09
2763	419680.7	3740413	4.30E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.41E-10	1.05E-09	0.00E+00	0.00E+00	1.59E-09
2764	419676.1	3740404	4.34E-09	1.08E-08	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-09	1.08E-08

2813	420132.8	3740640	5.43E-09	1.35E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.35E-08	0.00E+00	0.00E+00	1.90E-08	6.83E-10	1.33E-09	0.00E+00	0.00E+00	2.01E-09
2814	420123	3740639	5.33E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	6.71E-10	1.30E-09	0.00E+00	0.00E+00	1.97E-09
2815	420113.2	3740638	5.24E-09	1.31E-08	0.00E+00	0.00E+00	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-09	1.31E-08	0.00E+00	0.00E+00	1.83E-08	6.59E-10	1.28E-09	0.00E+00	0.00E+00	1.94E-09
2816	420103.4	3740636	5.14E-09	1.28E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	1.28E-08	0.00E+00	0.00E+00	1.80E-08	6.47E-10	1.26E-09	0.00E+00	0.00E+00	1.90E-09
2817	420093.6	3740635	5.05E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	6.36E-10	1.23E-09	0.00E+00	0.00E+00	1.87E-09
2818	420083.9	3740634	4.97E-09	1.24E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	1.24E-08	0.00E+00	0.00E+00	1.73E-08	6.25E-10	1.21E-09	0.00E+00	0.00E+00	1.84E-09
2819	420074.1	3740632	4.88E-09	1.22E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	1.22E-08	0.00E+00	0.00E+00	1.70E-08	6.14E-10	1.19E-09	0.00E+00	0.00E+00	1.81E-09
2820	420064.3	3740631	4.80E-09	1.20E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-09	1.20E-08	0.00E+00	0.00E+00	1.68E-08	6.03E-10	1.17E-09	0.00E+00	0.00E+00	1.77E-09
2821	420054.5	3740630	4.72E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	5.93E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
2822	420044.8	3740628	4.64E-09	1.16E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-09	1.16E-08	0.00E+00	0.00E+00	1.62E-08	5.83E-10	1.13E-09	0.00E+00	0.00E+00	1.71E-09
2823	420035	3740627	4.56E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	5.74E-10	1.11E-09	0.00E+00	0.00E+00	1.69E-09
2824	420025.2	3740626	4.49E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	5.65E-10	1.10E-09	0.00E+00	0.00E+00	1.66E-09
2825	420015.4	3740624	4.42E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	5.56E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
2826	420005.6	3740623	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	5.48E-10	1.06E-09	0.00E+00	0.00E+00	1.61E-09
2827	419995.9	3740622	4.30E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.41E-10	1.05E-09	0.00E+00	0.00E+00	1.59E-09
2828	419986.1	3740620	4.25E-09	1.06E-08	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	1.06E-08	0.00E+00	0.00E+00	1.48E-08	5.34E-10	1.04E-09	0.00E+00	0.00E+00	1.57E-09
2829	419976.3	3740619	4.19E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	5.28E-10	1.02E-09	0.00E+00	0.00E+00	1.55E-09
2830	419966.5	3740618	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	5.20E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
2831	419956.7	3740616	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	5.14E-10	9.97E-10	0.00E+00	0.00E+00	1.51E-09
2832	419947	3740615	4.03E-09	1.00E-08	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	1.00E-08	0.00E+00	0.00E+00	1.41E-08	5.07E-10	9.84E-10	0.00E+00	0.00E+00	1.49E-09
2833	419937.2	3740614	3.98E-09	9.92E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	9.92E-09	0.00E+00	0.00E+00	1.39E-08	5.01E-10	9.72E-10	0.00E+00	0.00E+00	1.47E-09
2834	419927.4	3740612	3.93E-09	9.81E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	9.81E-09	0.00E+00	0.00E+00	1.37E-08	4.95E-10	9.60E-10	0.00E+00	0.00E+00	1.46E-09
2835	419917.6	3740611	3.89E-09	9.69E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	9.69E-09	0.00E+00	0.00E+00	1.36E-08	4.89E-10	9.49E-10	0.00E+00	0.00E+00	1.44E-09
2836	419907.9	3740610	3.84E-09	9.58E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	9.58E-09	0.00E+00	0.00E+00	1.34E-08	4.83E-10	9.38E-10	0.00E+00	0.00E+00	1.42E-09
2837	419898.1	3740608	3.80E-09	9.47E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	9.47E-09	0.00E+00	0.00E+00	1.33E-08	4.78E-10	9.27E-10	0.00E+00	0.00E+00	1.41E-09
2838	419888.3	3740607	3.76E-09	9.36E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	9.36E-09	0.00E+00	0.00E+00	1.31E-08	4.72E-10	9.17E-10	0.00E+00	0.00E+00	1.39E-09
2839	419878.5	3740606	3.71E-09	9.25E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	9.25E-09	0.00E+00	0.00E+00	1.30E-08	4.67E-10	9.06E-10	0.00E+00	0.00E+00	1.37E-09
2840	419868.7	3740604	3.67E-09	9.15E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	9.15E-09	0.00E+00	0.00E+00	1.28E-08	4.62E-10	8.96E-10	0.00E+00	0.00E+00	1.36E-09
2841	419732.5	3740570	3.28E-09	8.17E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	8.17E-09	0.00E+00	0.00E+00	1.14E-08	4.12E-10	8.00E-10	0.00E+00	0.00E+00	1.21E-09
2842	419727.9	3740561	3.32E-09	8.28E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-09	8.28E-09	0.00E+00	0.00E+00	1.16E-08	4.18E-10	8.11E-10	0.00E+00	0.00E+00	1.23E-09
2843	419723.3	3740552	3.37E-09	8.39E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	8.39E-09	0.00E+00	0.00E+00	1.18E-08	4.23E-10	8.22E-10	0.00E+00	0.00E+00	1.25E-09
2844	419718.7	3740543	3.41E-09	8.50E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	8.50E-09	0.00E+00	0.00E+00	1.19E-08	4.29E-10	8.32E-10	0.00E+00	0.00E+00	1.26E-09
2845	419714.2	3740535	3.45E-09	8.61E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	8.61E-09	0.00E+00	0.00E+00	1.21E-08	4.34E-10	8.43E-10	0.00E+00	0.00E+00	1.28E-09
2846	419709.6	3740526	3.49E-09	8.71E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	8.71E-09	0.00E+00	0.00E+00	1.22E-08	4.39E-10	8.53E-10	0.00E+00	0.00E+00	1.29E-09
2847	419705	3740517	3.54E-09	8.82E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	8.82E-09	0.00E+00	0.00E+00	1.24E-08	4.45E-10	8.63E-10	0.00E+00	0.00E+00	1.31E-09
2848	419700.4	3740508	3.58E-09	8.93E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-09	8.93E-09	0.00E+00	0.00E+00	1.25E-08	4.51E-10	8.74E-10	0.00E+00	0.00E+00	1.33E-09
2849	419695.9	3740500	3.63E-09	9.04E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-09	9.04E-09	0.00E+00	0.00E+00	1.27E-08	4.56E-10	8.86E-10	0.00E+00	0.00E+00	1.34E-09
2850	419691.3	3740491	3.67E-09	9.15E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	9.15E-09	0.00E+00	0.00E+00	1.28E-08	4.62E-10	8.96E-10	0.00E+00	0.00E+00	1.36E-09
2851	419686.7	3740482	3.72E-09	9.26E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	9.26E-09	0.00E+00	0.00E+00	1.30E-08	4.67E-10	9.07E-10	0.00E+00	0.00E+00	1.37E-09
2852	419682.1	3740473	3.76E-09	9.37E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	9.37E-09	0.00E+00	0.00E+00	1.31E-08	4.73E-10	9.17E-10	0.00E+00	0.00E+00	1.39E-09
2853	419677.6	3740465	3.80E-09	9.47E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	9.47E-09	0.00E+00	0.00E+00	1.33E-08	4.78E-10	9.28E-10	0.00E+00	0.00E+00	1.41E-09
2854	419673	3740456	3.84E-09	9.58E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	9.58E-09	0.00E+00	0.00E+00	1.34E-08	4.83E-10	9.38E-10	0.00E+00	0.00E+00	1.42E-09
2855	419668.4	3740447	3.89E-09	9.69E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	9.69E-09	0.00E+00	0.00E+00	1.36E-08	4.89E-10	9.49E-10	0.00E+00	0.00E+00	1.44E-09
2856	419663.8	3740438	3.93E-09	9.79E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	9.79E-09	0.00E+00	0.00E+00	1.37E-08	4.94E-10	9.59E-10	0.00E+00	0.00E+00	1.45E-09
2857	419659.2	3740430	3.97E-09	9.89E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-09	9.89E-09	0.00E+00	0.00E+00	1.39E-08	4.99E-10	9.69E-10	0.00E+00	0.00E+00	1.47E-09
2858	419654.7	3740421	4.01E-09	9.99E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-09	9.99E-09	0.00E+00	0.00E+00	1.40E-08	5.04E-10	9.78E-10	0.00E+00	0.00E+00	1.48E-09
2859	419650.1	3740412	4.05E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	5.09E-10	9.87E-10	0.00E+00	0.00E+00	1.50E-09
2860	419645.5	3740403	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.42E-08	5.13E-10	9.95E-10	0.00E+00	0.00E+00	1.51E-09
2861	419640.9	3740395	4.11E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	5.16E-10	1.00E-09	0.00E+00	0.00E+00	1.52E-09
2862	419636.4	3740386	4.13E-09	1.03E-08	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	1.03E-08	0.00E+00	0.00E+00	1.44E-08	5.19E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
2863	419631.8	3740377	4.15E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	5.21E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
2864	419627.2	3740368	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	5.23E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
2865	419622.6	3740360	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.24E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
2866	419618.1	3740351	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.24E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
2867	419613.5	3740342	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.24E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
2868	419608.9	3740333	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	5.23E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
2869	419604.3	3740325	4.15E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	5.22E-10	1.01E-09	0.00E+00	0.00E+00	1.54E-09
2870	419599.8	3740316	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	5.20E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
2871	419595.2	3740307	4.12E-09	1.03E-08	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-09	1.03E-08	0.00E+00	0.00E+00	1.44E-08	5.18E-10	1.01E-09	0.00E+00	0.00E+00	1.52E-09
2872	419586	3740290	4.07E-09	1.01E-08	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-09	1.01E-08	0.00E+00	0.00E+00	1.42E-08	5.12E-10	9.93E-10	0.00E+00	0.00E+00	1.50E-09
2873	419581.5	3740281	4.04E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	5.08E-10	9.85E-10	0.00E+00	0.00E+00	1.49E-09
2874	419576.9	3740272	4.00E-09	9.96E-09	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	9.96E-09	0.00E+00	0.00E+00	1.40E-08	5.03E-10	9.75E-10	0.00E+00	0.00E+00	1.48E-09
2875	419572.3	3740264	3.95E-09	9.84E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	9.84E-09	0.00E+00	0.00E+00	1.38E-08	4.97E-10	9.64E-10	0.00E+00	0.00E+00	1.46E-09
2876	419567.7	3740255	3.90E-09	9.71E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-09	9.71E-09	0.00E+00	0.00E+00	1.36E-08	4.90E-10	9.51E-10	0.00E+00	0.00E+00	1.44E-09
2877	419563.1	3740246	3.84E-09	9.57E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	9.57E-09	0.00E+00	0.00E+00	1.34E-08	4.83E-10	9.37E-10	0.00E+00	0.00E+00	1.42E-09
2878	419558.6	3740237	3.78E-09	9.42E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-09	9.42E-09	0.00E+00	0.00E+00	1.32E-08	4.75E-10	9.23E-10	0.00E+00	0.00E+00	1.40E-09
2879	419554	3740229	3.72E-09	9.27E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	9.27E-09	0.00E+00	0.00E+00	1.30E-08	4.68E-10	9.07E-10	0.00E+00	0.00E+00	1.38E-09
2880	419549.4	3740220	3.65E-09	9.11E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	9.11E-09	0.00E+00	0.00E+00	1.28E-08	4.60E-10	8.92E-10	0.00E+00	0.00E+00	1.35E-09
2881	419544.8	3740211	3.60E-09	8.98E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	8.98E-09	0.00E+00	0.00E+00	1.26E-08	4.53E-10	8.80E-10	0.00E+00	0.00E+00	1.33E-09
2882	419540.3	3740202	3.55E-09	8.86E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	8.86E-09	0.00E+00	0.00E+00	1.24E-08	4.47E-10	8.67E-10	0.00E+00	0.00E+00	1.31E-09
2883	419535.7	3740194	3.50E-09	8.72E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	8.72E-09	0.00E+00	0.00E+00	1.22E-08	4.40E-10	8.54E-10	0.00E+00	0.00E+00	1.29E-09
2884	419531.1	3740185	3.45E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	4.33E-10	8.41E-10	0.00E+00	0.00E+00	1.27E-09
2885	419526.5	3740176	3.39E-09	8.45E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-09	8.45E-09	0.00E+00	0.00E+00	1.18E-08	4.27E-10	8.28E-10	0.00E+00	0.00E+00	1.25E-09
2886	419522	3740167	3.34E-09	8.32E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	8.32E-09	0.00E+00	0.00E+00	1.17E-08	4.20E-10	8.14E-10	0.00E+00	0.00E+00	1.23E-09
2887	419517.4	3740159	3.28E-09	8.17E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	8.17E-09	0.00E+00	0.00E+00	1.15E-08	4.12E-10	8.00E-10	0.00E+00	0.00E+00	1.21E-09
2888	419512.8	3740150	3.22E-09	8.03E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	8.03E-09	0.00E+00	0.00E+00	1.12E-08	4.05E-10	7.86E-10	0.00E+00	0.00E+00	1.19E-09
2889	419508.2	3740141	3.16E-09	7.88E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	7.88E-09	0.00E+00	0.00E+00	1.10E-08	3.98E-10	7.72E-10	0.00E+00	0.00E+00	1.17E-09
2890	419503.7	3740132	3.11E-09	7.74E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	7.74E-09	0.00E+00	0.00E+00	1.08E-08	3.91E-10	7.58E-10	0.00E+00	0.00E+00	1.15E-09
2891	420259.9	3740658	6.74E-09	1.68E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-09	1.68E-08	0.00E+00	0.00E+00	2.35E-08	8.47E-10	1.64E-09	0.00E+00	0.00E+00	2.49E-09
2892	420269.2	3740654	6.92E-09	1.73E-08	0.00E+00	0.00E+00	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-09	1.73E-08	0.00

2941	419909.5	3740637	3.60E-09	8.98E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	8.98E-09	0.00E+00	0.00E+00	1.26E-08	4.53E-10	8.79E-10	0.00E+00	0.00E+00	1.33E-09
2942	419899.7	3740635	3.56E-09	8.88E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-09	8.88E-09	0.00E+00	0.00E+00	1.24E-08	4.48E-10	8.70E-10	0.00E+00	0.00E+00	1.32E-09
2943	419890	3740634	3.52E-09	8.78E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	8.78E-09	0.00E+00	0.00E+00	1.23E-08	4.43E-10	8.60E-10	0.00E+00	0.00E+00	1.30E-09
2944	419880.3	3740633	3.49E-09	8.69E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	8.69E-09	0.00E+00	0.00E+00	1.22E-08	4.38E-10	8.51E-10	0.00E+00	0.00E+00	1.29E-09
2945	419870.5	3740631	3.45E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-09	8.59E-09	0.00E+00	0.00E+00	1.20E-08	4.33E-10	8.41E-10	0.00E+00	0.00E+00	1.27E-09
2946	419860.8	3740630	3.41E-09	8.49E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	8.49E-09	0.00E+00	0.00E+00	1.19E-08	4.28E-10	8.31E-10	0.00E+00	0.00E+00	1.26E-09
2947	419851	3740629	3.37E-09	8.39E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	8.39E-09	0.00E+00	0.00E+00	1.18E-08	4.24E-10	8.22E-10	0.00E+00	0.00E+00	1.25E-09
2948	419841.3	3740627	3.33E-09	8.29E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-09	8.29E-09	0.00E+00	0.00E+00	1.16E-08	4.18E-10	8.12E-10	0.00E+00	0.00E+00	1.23E-09
2949	419831.5	3740626	3.29E-09	8.19E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-09	8.19E-09	0.00E+00	0.00E+00	1.15E-08	4.13E-10	8.02E-10	0.00E+00	0.00E+00	1.22E-09
2950	419821.8	3740625	3.24E-09	8.08E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	8.08E-09	0.00E+00	0.00E+00	1.13E-08	4.08E-10	7.92E-10	0.00E+00	0.00E+00	1.20E-09
2951	419812.1	3740624	3.21E-09	8.00E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	8.00E-09	0.00E+00	0.00E+00	1.12E-08	4.04E-10	7.84E-10	0.00E+00	0.00E+00	1.19E-09
2952	419802.3	3740622	3.18E-09	7.93E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	7.93E-09	0.00E+00	0.00E+00	1.11E-08	4.00E-10	7.77E-10	0.00E+00	0.00E+00	1.18E-09
2953	419753.6	3740616	3.04E-09	7.58E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	7.58E-09	0.00E+00	0.00E+00	1.06E-08	3.83E-10	7.42E-10	0.00E+00	0.00E+00	1.13E-09
2954	419743.9	3740614	3.01E-09	7.51E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	7.51E-09	0.00E+00	0.00E+00	1.05E-08	3.79E-10	7.35E-10	0.00E+00	0.00E+00	1.11E-09
2955	419734.1	3740613	2.98E-09	7.44E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	7.44E-09	0.00E+00	0.00E+00	1.04E-08	3.75E-10	7.28E-10	0.00E+00	0.00E+00	1.10E-09
2956	419719.8	3740603	2.99E-09	7.46E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	7.46E-09	0.00E+00	0.00E+00	1.05E-08	3.76E-10	7.31E-10	0.00E+00	0.00E+00	1.11E-09
2957	419701.6	3740568	3.15E-09	7.85E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	7.85E-09	0.00E+00	0.00E+00	1.10E-08	3.96E-10	7.69E-10	0.00E+00	0.00E+00	1.17E-09
2958	419697	3740559	3.19E-09	7.96E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	7.96E-09	0.00E+00	0.00E+00	1.11E-08	4.01E-10	7.79E-10	0.00E+00	0.00E+00	1.18E-09
2959	419692.5	3740551	3.23E-09	8.06E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-09	8.06E-09	0.00E+00	0.00E+00	1.13E-08	4.07E-10	7.89E-10	0.00E+00	0.00E+00	1.20E-09
2960	419687.9	3740542	3.27E-09	8.16E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-09	8.16E-09	0.00E+00	0.00E+00	1.14E-08	4.12E-10	7.99E-10	0.00E+00	0.00E+00	1.21E-09
2961	419683.4	3740533	3.31E-09	8.25E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	8.25E-09	0.00E+00	0.00E+00	1.16E-08	4.16E-10	8.08E-10	0.00E+00	0.00E+00	1.22E-09
2962	419678.8	3740524	3.35E-09	8.34E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	8.34E-09	0.00E+00	0.00E+00	1.17E-08	4.21E-10	8.16E-10	0.00E+00	0.00E+00	1.24E-09
2963	419674.2	3740516	3.38E-09	8.43E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	8.43E-09	0.00E+00	0.00E+00	1.18E-08	4.25E-10	8.25E-10	0.00E+00	0.00E+00	1.25E-09
2964	419669.7	3740507	3.42E-09	8.52E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	8.52E-09	0.00E+00	0.00E+00	1.19E-08	4.30E-10	8.35E-10	0.00E+00	0.00E+00	1.26E-09
2965	419665.1	3740498	3.46E-09	8.62E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	8.62E-09	0.00E+00	0.00E+00	1.21E-08	4.35E-10	8.44E-10	0.00E+00	0.00E+00	1.28E-09
2966	419660.6	3740490	3.49E-09	8.71E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	8.71E-09	0.00E+00	0.00E+00	1.22E-08	4.39E-10	8.53E-10	0.00E+00	0.00E+00	1.29E-09
2967	419656	3740481	3.53E-09	8.81E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	8.81E-09	0.00E+00	0.00E+00	1.23E-08	4.44E-10	8.63E-10	0.00E+00	0.00E+00	1.31E-09
2968	419651.4	3740472	3.57E-09	8.91E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	8.91E-09	0.00E+00	0.00E+00	1.25E-08	4.49E-10	8.72E-10	0.00E+00	0.00E+00	1.32E-09
2969	419646.9	3740463	3.61E-09	9.01E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-09	9.01E-09	0.00E+00	0.00E+00	1.26E-08	4.54E-10	8.82E-10	0.00E+00	0.00E+00	1.34E-09
2970	419642.3	3740455	3.65E-09	9.10E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	9.10E-09	0.00E+00	0.00E+00	1.27E-08	4.59E-10	8.91E-10	0.00E+00	0.00E+00	1.35E-09
2971	419637.8	3740446	3.68E-09	9.18E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-09	9.18E-09	0.00E+00	0.00E+00	1.29E-08	4.63E-10	8.99E-10	0.00E+00	0.00E+00	1.36E-09
2972	419633.2	3740437	3.72E-09	9.26E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	9.26E-09	0.00E+00	0.00E+00	1.30E-08	4.67E-10	9.07E-10	0.00E+00	0.00E+00	1.37E-09
2973	419628.6	3740429	3.75E-09	9.34E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	9.34E-09	0.00E+00	0.00E+00	1.31E-08	4.71E-10	9.14E-10	0.00E+00	0.00E+00	1.39E-09
2974	419624.1	3740420	3.78E-09	9.41E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-09	9.41E-09	0.00E+00	0.00E+00	1.32E-08	4.75E-10	9.22E-10	0.00E+00	0.00E+00	1.40E-09
2975	419619.5	3740411	3.80E-09	9.47E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	9.47E-09	0.00E+00	0.00E+00	1.33E-08	4.78E-10	9.28E-10	0.00E+00	0.00E+00	1.41E-09
2976	419615	3740403	3.82E-09	9.53E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	9.53E-09	0.00E+00	0.00E+00	1.33E-08	4.81E-10	9.33E-10	0.00E+00	0.00E+00	1.41E-09
2977	419610.4	3740394	3.84E-09	9.57E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	9.57E-09	0.00E+00	0.00E+00	1.34E-08	4.83E-10	9.37E-10	0.00E+00	0.00E+00	1.42E-09
2978	419605.9	3740385	3.85E-09	9.61E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	9.61E-09	0.00E+00	0.00E+00	1.35E-08	4.85E-10	9.41E-10	0.00E+00	0.00E+00	1.43E-09
2979	419601.3	3740376	3.86E-09	9.63E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	9.63E-09	0.00E+00	0.00E+00	1.35E-08	4.86E-10	9.43E-10	0.00E+00	0.00E+00	1.43E-09
2980	419596.7	3740368	3.87E-09	9.65E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	9.65E-09	0.00E+00	0.00E+00	1.35E-08	4.87E-10	9.45E-10	0.00E+00	0.00E+00	1.43E-09
2981	419592.2	3740359	3.87E-09	9.65E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	9.65E-09	0.00E+00	0.00E+00	1.35E-08	4.87E-10	9.45E-10	0.00E+00	0.00E+00	1.43E-09
2982	419587.6	3740350	3.87E-09	9.64E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	9.64E-09	0.00E+00	0.00E+00	1.35E-08	4.86E-10	9.44E-10	0.00E+00	0.00E+00	1.43E-09
2983	419583.1	3740342	3.86E-09	9.62E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	9.62E-09	0.00E+00	0.00E+00	1.35E-08	4.85E-10	9.42E-10	0.00E+00	0.00E+00	1.43E-09
2984	419578.5	3740333	3.85E-09	9.60E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	9.60E-09	0.00E+00	0.00E+00	1.34E-08	4.84E-10	9.40E-10	0.00E+00	0.00E+00	1.42E-09
2985	419573.9	3740324	3.84E-09	9.56E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-09	9.56E-09	0.00E+00	0.00E+00	1.34E-08	4.83E-10	9.36E-10	0.00E+00	0.00E+00	1.42E-09
2986	419560.3	3740298	3.77E-09	9.39E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	9.39E-09	0.00E+00	0.00E+00	1.32E-08	4.74E-10	9.20E-10	0.00E+00	0.00E+00	1.39E-09
2987	419555.7	3740289	3.74E-09	9.32E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-09	9.32E-09	0.00E+00	0.00E+00	1.31E-08	4.70E-10	9.12E-10	0.00E+00	0.00E+00	1.38E-09
2988	419551.1	3740281	3.71E-09	9.24E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	9.24E-09	0.00E+00	0.00E+00	1.29E-08	4.66E-10	9.04E-10	0.00E+00	0.00E+00	1.37E-09
2989	419546.6	3740272	3.66E-09	9.13E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	9.13E-09	0.00E+00	0.00E+00	1.28E-08	4.61E-10	8.94E-10	0.00E+00	0.00E+00	1.35E-09
2990	419542	3740263	3.62E-09	9.01E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-09	9.01E-09	0.00E+00	0.00E+00	1.26E-08	4.55E-10	8.83E-10	0.00E+00	0.00E+00	1.34E-09
2991	419537.5	3740254	3.57E-09	8.89E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	8.89E-09	0.00E+00	0.00E+00	1.25E-08	4.49E-10	8.71E-10	0.00E+00	0.00E+00	1.32E-09
2992	419532.9	3740246	3.52E-09	8.77E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	8.77E-09	0.00E+00	0.00E+00	1.23E-08	4.43E-10	8.59E-10	0.00E+00	0.00E+00	1.30E-09
2993	419528.3	3740237	3.47E-09	8.64E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	8.64E-09	0.00E+00	0.00E+00	1.21E-08	4.36E-10	8.46E-10	0.00E+00	0.00E+00	1.28E-09
2994	419523.8	3740228	3.41E-09	8.51E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-09	8.51E-09	0.00E+00	0.00E+00	1.19E-08	4.29E-10	8.33E-10	0.00E+00	0.00E+00	1.26E-09
2995	419519.2	3740220	3.36E-09	8.37E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	8.37E-09	0.00E+00	0.00E+00	1.17E-08	4.23E-10	8.20E-10	0.00E+00	0.00E+00	1.24E-09
2996	419514.7	3740211	3.31E-09	8.26E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	8.26E-09	0.00E+00	0.00E+00	1.16E-08	4.17E-10	8.09E-10	0.00E+00	0.00E+00	1.23E-09
2997	419510.1	3740202	3.26E-09	8.14E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-09	8.14E-09	0.00E+00	0.00E+00	1.14E-08	4.11E-10	7.97E-10	0.00E+00	0.00E+00	1.21E-09
2998	419505.6	3740193	3.21E-09	8.01E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	8.01E-09	0.00E+00	0.00E+00	1.12E-08	4.04E-10	7.84E-10	0.00E+00	0.00E+00	1.19E-09
2999	419501	3740185	3.16E-09	7.88E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	7.88E-09	0.00E+00	0.00E+00	1.10E-08	3.98E-10	7.71E-10	0.00E+00	0.00E+00	1.17E-09
3000	419496.4	3740176	3.11E-09	7.75E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	7.75E-09	0.00E+00	0.00E+00	1.09E-08	3.91E-10	7.59E-10	0.00E+00	0.00E+00	1.15E-09
3001	419491.9	3740167	3.06E-09	7.62E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	7.62E-09	0.00E+00	0.00E+00	1.07E-08	3.84E-10	7.46E-10	0.00E+00	0.00E+00	1.13E-09
3002	419487.3	3740159	3.00E-09	7.49E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	7.49E-09	0.00E+00	0.00E+00	1.05E-08	3.78E-10	7.33E-10	0.00E+00	0.00E+00	1.11E-09
3003	419482.8	3740150	2.95E-09	7.36E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	7.36E-09	0.00E+00	0.00E+00	1.03E-08	3.71E-10	7.21E-10	0.00E+00	0.00E+00	1.09E-09
3004	419478.2	3740141	2.90E-09	7.24E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-09	7.24E-09	0.00E+00	0.00E+00	1.01E-08	3.65E-10	7.08E-10	0.00E+00	0.00E+00	1.07E-09
3005	419473.6	3740132	2.85E-09	7.11E-09	0.00E+00	0.00E+00	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	7.11E-09	0.00E+00	0.00E+00	9.97E-09	3.59E-10	6.96E-10	0.00E+00	0.00E+00	1.06E-09
3006	420269.9	3740686	6.26E-09	1.56E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-09	1.56E-08	0.00E+00	0.00E+00	2.19E-08	7.87E-10	1.53E-09	0.00E+00	0.00E+00	2.31E-09
3007	420279.3	3740683	6.42E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	8.07E-10	1.57E-09	0.00E+00	0.00E+00	2.37E-09
3008	420288.6	3740679	6.58E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	8.28E-10	1.61E-09	0.00E+00	0.00E+00	2.43E-09
3009	420298	3740676	6.75E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	8.49E-10	1.65E-09	0.00E+00	0.00E+00	2.50E-09
3010	420307.3	3740673	6.91E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	8.69E-10	1.69E-09	0.00E+00	0.00E+00	2.56E-09
3011	420316.7	3740669	7.07E-09	1.76E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-09	1.76E-08	0.00E+00	0.00E+00	2.47E-08	8.90E-10	1.73E-09	0.00E+00	0.00E+00	2.62E-09
3012	420326	3740666	7.23E-09	1.80E-08	0.00E+00	0.00E+00	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-09	1.80E-08	0.00E+00	0.00E+00	2.53E-08	9.10E-10	1.77E-09	0.00E+00	0.00E+00	2.67E-09
3013	420335.4	3740663	7.39E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	9.30E-10	1.80E-09	0.00E+00	0.00E+00	2.73E-09
3014	420344.7	3740659	7.55E-09	1.88E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-09	1.88E-08	0.00E+00	0.00E+00	2.64E-08	9.49E-10	1.84E-09	0.00E+00	0.00E+00	2.79E-09
3015	420354.1	3740656	7.70E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	9.68E-10	1.88E-09	0.00E+00	0.00E+00	2.85E-09
3016	420363.4	3740653	7.85E-09	1.96E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-09	1.96E-08	0.00E+00	0.00E+00	2.74E-08	9.87E-10	1.91E-09	0.00E+00	0.00E+00	2.90E-09
3017	420372.8	3740649	7.99E-09	1.99E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.99E-08	0.00E+00	0.00E+00	2.79E-08	1.00E-09	1.95E-09	0.00E+00	0.00E+00	2.95E-09
3018	420382.1	3740646	8.12E-09	2.02E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-09	2.02E-08	0.00E+00	0.00E+00	2.84E-08	1.02E-09	1.98E-09	0.00E+00	0.00E+00	3.00E-09
3019	420391.5	3740643	8.25E-09	2.06E-08	0.00E+00	0.00E+00	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-09	2.06E-08	0.00E+00	0.00E+00	2.88E-08	1.04E-09	2.01E-09	0.00E+00	0.00E+00	3.05E-09
3020	420400.8	3740639	8.36E-09	2.08E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	2.08E-08	0.00E+

3069	419740.2	3740650	2.78E-09	6.93E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	6.93E-09	0.00E+00	0.00E+00	9.71E-09	3.50E-10	6.79E-10	0.00E+00	0.00E+00	1.03E-09
3070	419730.5	3740648	2.76E-09	6.87E-09	0.00E+00	0.00E+00	9.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	6.87E-09	0.00E+00	0.00E+00	9.62E-09	3.47E-10	6.72E-10	0.00E+00	0.00E+00	1.02E-09
3071	419720.8	3740647	2.73E-09	6.80E-09	0.00E+00	0.00E+00	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	6.80E-09	0.00E+00	0.00E+00	9.53E-09	3.43E-10	6.66E-10	0.00E+00	0.00E+00	1.01E-09
3072	419711.1	3740646	2.70E-09	6.74E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	6.74E-09	0.00E+00	0.00E+00	9.44E-09	3.40E-10	6.60E-10	0.00E+00	0.00E+00	1.00E-09
3073	419696.9	3740636	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	3.41E-10	6.61E-10	0.00E+00	0.00E+00	1.00E-09
3074	419692.3	3740627	2.74E-09	6.84E-09	0.00E+00	0.00E+00	9.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.84E-09	0.00E+00	0.00E+00	9.58E-09	3.45E-10	6.70E-10	0.00E+00	0.00E+00	1.01E-09
3075	419687.8	3740618	2.78E-09	6.92E-09	0.00E+00	0.00E+00	9.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	6.92E-09	0.00E+00	0.00E+00	9.70E-09	3.49E-10	6.78E-10	0.00E+00	0.00E+00	1.03E-09
3076	419683.2	3740610	2.81E-09	7.01E-09	0.00E+00	0.00E+00	9.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	7.01E-09	0.00E+00	0.00E+00	9.82E-09	3.54E-10	6.86E-10	0.00E+00	0.00E+00	1.04E-09
3077	419660.6	3740566	2.99E-09	7.45E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	7.45E-09	0.00E+00	0.00E+00	1.04E-08	3.76E-10	7.29E-10	0.00E+00	0.00E+00	1.10E-09
3078	419656	3740558	3.02E-09	7.53E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	7.53E-09	0.00E+00	0.00E+00	1.06E-08	3.80E-10	7.38E-10	0.00E+00	0.00E+00	1.12E-09
3079	419651.5	3740549	3.06E-09	7.62E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	7.62E-09	0.00E+00	0.00E+00	1.07E-08	3.85E-10	7.46E-10	0.00E+00	0.00E+00	1.13E-09
3080	419646.9	3740540	3.09E-09	7.70E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	7.70E-09	0.00E+00	0.00E+00	1.08E-08	3.89E-10	7.54E-10	0.00E+00	0.00E+00	1.14E-09
3081	419642.4	3740532	3.12E-09	7.77E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-09	7.77E-09	0.00E+00	0.00E+00	1.09E-08	3.92E-10	7.61E-10	0.00E+00	0.00E+00	1.15E-09
3082	419637.9	3740523	3.15E-09	7.84E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	7.84E-09	0.00E+00	0.00E+00	1.10E-08	3.96E-10	7.68E-10	0.00E+00	0.00E+00	1.16E-09
3083	419633.3	3740514	3.18E-09	7.93E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	7.93E-09	0.00E+00	0.00E+00	1.11E-08	4.00E-10	7.76E-10	0.00E+00	0.00E+00	1.18E-09
3084	419628.8	3740506	3.21E-09	8.01E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	8.01E-09	0.00E+00	0.00E+00	1.12E-08	4.04E-10	7.85E-10	0.00E+00	0.00E+00	1.19E-09
3085	419624.2	3740497	3.25E-09	8.10E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	8.10E-09	0.00E+00	0.00E+00	1.13E-08	4.09E-10	7.93E-10	0.00E+00	0.00E+00	1.20E-09
3086	419619.7	3740488	3.28E-09	8.18E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	8.18E-09	0.00E+00	0.00E+00	1.15E-08	4.13E-10	8.01E-10	0.00E+00	0.00E+00	1.21E-09
3087	419615.2	3740480	3.31E-09	8.26E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	8.26E-09	0.00E+00	0.00E+00	1.16E-08	4.17E-10	8.09E-10	0.00E+00	0.00E+00	1.23E-09
3088	419610.6	3740471	3.34E-09	8.33E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-09	8.33E-09	0.00E+00	0.00E+00	1.17E-08	4.20E-10	8.16E-10	0.00E+00	0.00E+00	1.24E-09
3089	419606.1	3740462	3.37E-09	8.40E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-09	8.40E-09	0.00E+00	0.00E+00	1.18E-08	4.24E-10	8.23E-10	0.00E+00	0.00E+00	1.25E-09
3090	419601.6	3740454	3.40E-09	8.47E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	8.47E-09	0.00E+00	0.00E+00	1.19E-08	4.27E-10	8.29E-10	0.00E+00	0.00E+00	1.26E-09
3091	419597	3740445	3.42E-09	8.53E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	8.53E-09	0.00E+00	0.00E+00	1.20E-08	4.30E-10	8.35E-10	0.00E+00	0.00E+00	1.27E-09
3092	419592.5	3740436	3.44E-09	8.58E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-09	8.58E-09	0.00E+00	0.00E+00	1.20E-08	4.33E-10	8.40E-10	0.00E+00	0.00E+00	1.27E-09
3093	419587.9	3740428	3.46E-09	8.63E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-09	8.63E-09	0.00E+00	0.00E+00	1.21E-08	4.35E-10	8.45E-10	0.00E+00	0.00E+00	1.28E-09
3094	419583.4	3740419	3.48E-09	8.67E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	8.67E-09	0.00E+00	0.00E+00	1.22E-08	4.38E-10	8.49E-10	0.00E+00	0.00E+00	1.29E-09
3095	419578.9	3740410	3.49E-09	8.71E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	8.71E-09	0.00E+00	0.00E+00	1.22E-08	4.40E-10	8.53E-10	0.00E+00	0.00E+00	1.29E-09
3096	419574.3	3740402	3.51E-09	8.74E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	8.74E-09	0.00E+00	0.00E+00	1.22E-08	4.41E-10	8.56E-10	0.00E+00	0.00E+00	1.30E-09
3097	419569.8	3740393	3.51E-09	8.76E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	8.76E-09	0.00E+00	0.00E+00	1.23E-08	4.42E-10	8.58E-10	0.00E+00	0.00E+00	1.30E-09
3098	419565.2	3740384	3.52E-09	8.77E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	8.77E-09	0.00E+00	0.00E+00	1.23E-08	4.42E-10	8.59E-10	0.00E+00	0.00E+00	1.30E-09
3099	419560.7	3740375	3.52E-09	8.77E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-09	8.77E-09	0.00E+00	0.00E+00	1.23E-08	4.42E-10	8.58E-10	0.00E+00	0.00E+00	1.30E-09
3100	419556.2	3740367	3.51E-09	8.76E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	8.76E-09	0.00E+00	0.00E+00	1.23E-08	4.42E-10	8.58E-10	0.00E+00	0.00E+00	1.30E-09
3101	419551.6	3740358	3.51E-09	8.75E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	8.75E-09	0.00E+00	0.00E+00	1.23E-08	4.41E-10	8.56E-10	0.00E+00	0.00E+00	1.30E-09
3102	419547.1	3740349	3.50E-09	8.73E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	8.73E-09	0.00E+00	0.00E+00	1.22E-08	4.40E-10	8.55E-10	0.00E+00	0.00E+00	1.30E-09
3103	419542.6	3740341	3.49E-09	8.70E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	8.70E-09	0.00E+00	0.00E+00	1.22E-08	4.39E-10	8.52E-10	0.00E+00	0.00E+00	1.29E-09
3104	419538	3740332	3.47E-09	8.66E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	8.66E-09	0.00E+00	0.00E+00	1.21E-08	4.37E-10	8.48E-10	0.00E+00	0.00E+00	1.28E-09
3105	419524.4	3740306	3.40E-09	8.48E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-09	8.48E-09	0.00E+00	0.00E+00	1.19E-08	4.28E-10	8.31E-10	0.00E+00	0.00E+00	1.26E-09
3106	419519.9	3740297	3.38E-09	8.42E-09	0.00E+00	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-09	8.42E-09	0.00E+00	0.00E+00	1.18E-08	4.25E-10	8.24E-10	0.00E+00	0.00E+00	1.25E-09
3107	419515.3	3740289	3.35E-09	8.34E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-09	8.34E-09	0.00E+00	0.00E+00	1.17E-08	4.21E-10	8.17E-10	0.00E+00	0.00E+00	1.24E-09
3108	419510.8	3740280	3.31E-09	8.26E-09	0.00E+00	0.00E+00	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-09	8.26E-09	0.00E+00	0.00E+00	1.16E-08	4.17E-10	8.09E-10	0.00E+00	0.00E+00	1.23E-09
3109	419506.2	3740271	3.28E-09	8.17E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	8.17E-09	0.00E+00	0.00E+00	1.14E-08	4.12E-10	8.00E-10	0.00E+00	0.00E+00	1.21E-09
3110	419501.7	3740263	3.24E-09	8.07E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-09	8.07E-09	0.00E+00	0.00E+00	1.13E-08	4.07E-10	7.91E-10	0.00E+00	0.00E+00	1.20E-09
3111	419497.2	3740254	3.20E-09	7.97E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	7.97E-09	0.00E+00	0.00E+00	1.12E-08	4.02E-10	7.81E-10	0.00E+00	0.00E+00	1.18E-09
3112	419492.6	3740245	3.16E-09	7.87E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	7.87E-09	0.00E+00	0.00E+00	1.10E-08	3.97E-10	7.70E-10	0.00E+00	0.00E+00	1.17E-09
3113	419488.1	3740237	3.11E-09	7.76E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	7.76E-09	0.00E+00	0.00E+00	1.09E-08	3.92E-10	7.60E-10	0.00E+00	0.00E+00	1.15E-09
3114	419483.5	3740228	3.07E-09	7.65E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	7.65E-09	0.00E+00	0.00E+00	1.07E-08	3.86E-10	7.49E-10	0.00E+00	0.00E+00	1.14E-09
3115	419479	3740219	3.02E-09	7.54E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	7.54E-09	0.00E+00	0.00E+00	1.06E-08	3.80E-10	7.38E-10	0.00E+00	0.00E+00	1.12E-09
3116	419474.5	3740211	2.98E-09	7.42E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	7.42E-09	0.00E+00	0.00E+00	1.04E-08	3.75E-10	7.27E-10	0.00E+00	0.00E+00	1.10E-09
3117	419469.9	3740202	2.93E-09	7.31E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	7.31E-09	0.00E+00	0.00E+00	1.02E-08	3.69E-10	7.15E-10	0.00E+00	0.00E+00	1.08E-09
3118	419465.4	3740193	2.88E-09	7.19E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	7.19E-09	0.00E+00	0.00E+00	1.01E-08	3.63E-10	7.04E-10	0.00E+00	0.00E+00	1.07E-09
3119	419460.9	3740185	2.84E-09	7.07E-09	0.00E+00	0.00E+00	9.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	7.07E-09	0.00E+00	0.00E+00	9.91E-09	3.57E-10	6.92E-10	0.00E+00	0.00E+00	1.05E-09
3120	419456.3	3740176	2.79E-09	6.96E-09	0.00E+00	0.00E+00	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	6.96E-09	0.00E+00	0.00E+00	9.75E-09	3.51E-10	6.81E-10	0.00E+00	0.00E+00	1.03E-09
3121	419451.8	3740167	2.75E-09	6.84E-09	0.00E+00	0.00E+00	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	6.84E-09	0.00E+00	0.00E+00	9.59E-09	3.45E-10	6.70E-10	0.00E+00	0.00E+00	1.02E-09
3122	419447.2	3740159	2.70E-09	6.74E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	6.74E-09	0.00E+00	0.00E+00	9.44E-09	3.40E-10	6.60E-10	0.00E+00	0.00E+00	9.99E-10
3123	419442.7	3740150	2.66E-09	6.63E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	6.63E-09	0.00E+00	0.00E+00	9.29E-09	3.35E-10	6.49E-10	0.00E+00	0.00E+00	9.84E-10
3124	419438.2	3740141	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.15E-09	3.29E-10	6.39E-10	0.00E+00	0.00E+00	9.69E-10
3125	419433.6	3740133	2.58E-09	6.43E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	6.43E-09	0.00E+00	0.00E+00	9.01E-09	3.24E-10	6.29E-10	0.00E+00	0.00E+00	9.54E-10
3126	420283.3	3740724	5.68E-09	1.42E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-09	1.42E-08	0.00E+00	0.00E+00	1.98E-08	7.15E-10	1.39E-09	0.00E+00	0.00E+00	2.10E-09
3127	420292.7	3740720	5.82E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	7.32E-10	1.42E-09	0.00E+00	0.00E+00	2.15E-09
3128	420302	3740717	5.96E-09	1.49E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.49E-08	0.00E+00	0.00E+00	2.08E-08	7.49E-10	1.45E-09	0.00E+00	0.00E+00	2.20E-09
3129	420311.4	3740714	6.10E-09	1.52E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-09	1.52E-08	0.00E+00	0.00E+00	2.13E-08	7.67E-10	1.49E-09	0.00E+00	0.00E+00	2.26E-09
3130	420320.7	3740710	6.24E-09	1.55E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.55E-08	0.00E+00	0.00E+00	2.18E-08	7.85E-10	1.52E-09	0.00E+00	0.00E+00	2.31E-09
3131	420330.1	3740707	6.38E-09	1.59E-08	0.00E+00	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-09	1.59E-08	0.00E+00	0.00E+00	2.23E-08	8.02E-10	1.56E-09	0.00E+00	0.00E+00	2.36E-09
3132	420339.4	3740704	6.51E-09	1.62E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-09	1.62E-08	0.00E+00	0.00E+00	2.27E-08	8.19E-10	1.59E-09	0.00E+00	0.00E+00	2.41E-09
3133	420348.8	3740700	6.64E-09	1.66E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.66E-08	0.00E+00	0.00E+00	2.32E-08	8.35E-10	1.62E-09	0.00E+00	0.00E+00	2.46E-09
3134	420358.1	3740697	6.77E-09	1.69E-08	0.00E+00	0.00E+00	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-09	1.69E-08	0.00E+00	0.00E+00	2.37E-08	8.52E-10	1.65E-09	0.00E+00	0.00E+00	2.51E-09
3135	420367.5	3740694	6.90E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	8.68E-10	1.68E-09	0.00E+00	0.00E+00	2.55E-09
3136	420376.8	3740690	7.03E-09	1.75E-08	0.00E+00	0.00E+00	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-09	1.75E-08	0.00E+00	0.00E+00	2.46E-08	8.84E-10	1.72E-09	0.00E+00	0.00E+00	2.60E-09
3137	420386.2	3740687	7.15E-09	1.78E-08	0.00E+00	0.00E+00	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-09	1.78E-08	0.00E+00	0.00E+00	2.50E-08	8.99E-10	1.75E-09	0.00E+00	0.00E+00	2.64E-09
3138	420395.5	3740684	7.27E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	9.14E-10	1.77E-09	0.00E+00	0.00E+00	2.69E-09
3139	420404.9	3740680	7.38E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	9.28E-10	1.80E-09	0.00E+00	0.00E+00	2.73E-09
3140	420414.2	3740677	7.48E-09	1.87E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-09	1.87E-08	0.00E+00	0.00E+00	2.61E-08	9.41E-10	1.83E-09	0.00E+00	0.00E+00	2.77E-09
3141	420423.6	3740674	7.58E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	9.54E-10	1.85E-09	0.00E+00	0.00E+00	2.80E-09
3142	420286.9	3740760	5.14E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	6.46E-10	1.25E-09	0.00E+00	0.00E+00	1.90E-09
3143	420277.1	3740759	5.08E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.39E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
3144	420267.3	3740757	5.02E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	6.32E-10	1.23E-09	0.00E+00	0.00E+00	1.86E-09
3145	420257.5	3740756	4.96E-09	1.24E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-09	1.24E-08	0.00E+00	0.00E+00	1.73E-08	6.24E-10	1.21E-09	0.00E+00	0.00E+00	1.83E-09
3146	420218.2	3740751	4.70E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.91E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
3147	420208.4	3740749	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	5.82E-10	1.13E-09	0.00E+00	0.00E+00	1.71E-09
3148	420198.6	3740748	4.56E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-09	1.14E-08

3197	419673.8	3740668	2.47E-09	6.15E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	6.15E-09	0.00E+00	0.00E+00	8.62E-09	3.10E-10	6.02E-10	0.00E+00	0.00E+00	9.12E-10
3198	419669.2	3740660	2.50E-09	6.22E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	6.22E-09	0.00E+00	0.00E+00	8.72E-09	3.14E-10	6.09E-10	0.00E+00	0.00E+00	9.23E-10
3199	419664.6	3740651	2.53E-09	6.30E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.30E-09	0.00E+00	0.00E+00	8.82E-09	3.18E-10	6.17E-10	0.00E+00	0.00E+00	9.34E-10
3200	419660.1	3740642	2.56E-09	6.37E-09	0.00E+00	0.00E+00	8.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	6.37E-09	0.00E+00	0.00E+00	8.93E-09	3.22E-10	6.24E-10	0.00E+00	0.00E+00	9.46E-10
3201	419655.5	3740633	2.59E-09	6.45E-09	0.00E+00	0.00E+00	9.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	6.45E-09	0.00E+00	0.00E+00	9.03E-09	3.25E-10	6.31E-10	0.00E+00	0.00E+00	9.57E-10
3202	419650.9	3740624	2.62E-09	6.52E-09	0.00E+00	0.00E+00	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	6.52E-09	0.00E+00	0.00E+00	9.14E-09	3.29E-10	6.39E-10	0.00E+00	0.00E+00	9.68E-10
3203	419646.3	3740616	2.65E-09	6.60E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	6.60E-09	0.00E+00	0.00E+00	9.24E-09	3.33E-10	6.46E-10	0.00E+00	0.00E+00	9.79E-10
3204	419641.7	3740607	2.68E-09	6.67E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	6.67E-09	0.00E+00	0.00E+00	9.35E-09	3.37E-10	6.53E-10	0.00E+00	0.00E+00	9.90E-10
3205	419623.3	3740572	2.80E-09	6.99E-09	0.00E+00	0.00E+00	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	6.99E-09	0.00E+00	0.00E+00	9.79E-09	3.53E-10	6.84E-10	0.00E+00	0.00E+00	1.04E-09
3206	419618.7	3740563	2.83E-09	7.06E-09	0.00E+00	0.00E+00	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	7.06E-09	0.00E+00	0.00E+00	9.89E-09	3.56E-10	6.91E-10	0.00E+00	0.00E+00	1.05E-09
3207	419614.1	3740554	2.86E-09	7.13E-09	0.00E+00	0.00E+00	9.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-09	7.13E-09	0.00E+00	0.00E+00	9.99E-09	3.60E-10	6.98E-10	0.00E+00	0.00E+00	1.06E-09
3208	419609.5	3740545	2.89E-09	7.20E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	7.20E-09	0.00E+00	0.00E+00	1.01E-08	3.63E-10	7.05E-10	0.00E+00	0.00E+00	1.07E-09
3209	419604.9	3740537	2.92E-09	7.28E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	7.28E-09	0.00E+00	0.00E+00	1.02E-08	3.67E-10	7.13E-10	0.00E+00	0.00E+00	1.08E-09
3210	419600.3	3740528	2.95E-09	7.35E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	7.35E-09	0.00E+00	0.00E+00	1.03E-08	3.71E-10	7.20E-10	0.00E+00	0.00E+00	1.09E-09
3211	419595.8	3740519	2.98E-09	7.43E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	7.43E-09	0.00E+00	0.00E+00	1.04E-08	3.75E-10	7.27E-10	0.00E+00	0.00E+00	1.10E-09
3212	419591.2	3740510	3.01E-09	7.50E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	7.50E-09	0.00E+00	0.00E+00	1.05E-08	3.78E-10	7.34E-10	0.00E+00	0.00E+00	1.11E-09
3213	419586.6	3740502	3.04E-09	7.57E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	7.57E-09	0.00E+00	0.00E+00	1.06E-08	3.82E-10	7.41E-10	0.00E+00	0.00E+00	1.12E-09
3214	419582	3740493	3.06E-09	7.63E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	7.63E-09	0.00E+00	0.00E+00	1.07E-08	3.85E-10	7.48E-10	0.00E+00	0.00E+00	1.13E-09
3215	419577.4	3740484	3.09E-09	7.70E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	7.70E-09	0.00E+00	0.00E+00	1.08E-08	3.88E-10	7.54E-10	0.00E+00	0.00E+00	1.14E-09
3216	419572.8	3740475	3.11E-09	7.75E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	7.75E-09	0.00E+00	0.00E+00	1.09E-08	3.91E-10	7.59E-10	0.00E+00	0.00E+00	1.15E-09
3217	419568.2	3740466	3.13E-09	7.81E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	7.81E-09	0.00E+00	0.00E+00	1.09E-08	3.94E-10	7.64E-10	0.00E+00	0.00E+00	1.16E-09
3218	419563.6	3740458	3.15E-09	7.85E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-09	7.85E-09	0.00E+00	0.00E+00	1.10E-08	3.96E-10	7.69E-10	0.00E+00	0.00E+00	1.17E-09
3219	419559	3740449	3.17E-09	7.89E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	7.89E-09	0.00E+00	0.00E+00	1.11E-08	3.98E-10	7.73E-10	0.00E+00	0.00E+00	1.17E-09
3220	419554.4	3740440	3.18E-09	7.93E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-09	7.93E-09	0.00E+00	0.00E+00	1.11E-08	4.00E-10	7.77E-10	0.00E+00	0.00E+00	1.18E-09
3221	419549.8	3740431	3.20E-09	7.97E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	7.97E-09	0.00E+00	0.00E+00	1.12E-08	4.02E-10	7.80E-10	0.00E+00	0.00E+00	1.18E-09
3222	419545.2	3740423	3.21E-09	7.99E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	7.99E-09	0.00E+00	0.00E+00	1.12E-08	4.03E-10	7.83E-10	0.00E+00	0.00E+00	1.19E-09
3223	419540.6	3740414	3.21E-09	8.01E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	8.01E-09	0.00E+00	0.00E+00	1.12E-08	4.04E-10	7.84E-10	0.00E+00	0.00E+00	1.19E-09
3224	419536.1	3740405	3.22E-09	8.02E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	8.02E-09	0.00E+00	0.00E+00	1.12E-08	4.05E-10	7.86E-10	0.00E+00	0.00E+00	1.19E-09
3225	419531.5	3740396	3.22E-09	8.03E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	8.03E-09	0.00E+00	0.00E+00	1.12E-08	4.05E-10	7.86E-10	0.00E+00	0.00E+00	1.19E-09
3226	419526.9	3740387	3.22E-09	8.03E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	8.03E-09	0.00E+00	0.00E+00	1.12E-08	4.05E-10	7.86E-10	0.00E+00	0.00E+00	1.19E-09
3227	419522.3	3740379	3.22E-09	8.02E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	8.02E-09	0.00E+00	0.00E+00	1.12E-08	4.05E-10	7.85E-10	0.00E+00	0.00E+00	1.19E-09
3228	419517.7	3740370	3.21E-09	8.00E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-09	8.00E-09	0.00E+00	0.00E+00	1.12E-08	4.04E-10	7.84E-10	0.00E+00	0.00E+00	1.19E-09
3229	419513.1	3740361	3.20E-09	7.98E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	7.98E-09	0.00E+00	0.00E+00	1.12E-08	4.02E-10	7.81E-10	0.00E+00	0.00E+00	1.18E-09
3230	419508.5	3740352	3.19E-09	7.94E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	7.94E-09	0.00E+00	0.00E+00	1.11E-08	4.01E-10	7.78E-10	0.00E+00	0.00E+00	1.18E-09
3231	419503.9	3740344	3.17E-09	7.90E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	7.90E-09	0.00E+00	0.00E+00	1.11E-08	3.99E-10	7.73E-10	0.00E+00	0.00E+00	1.17E-09
3232	419490.1	3740317	3.11E-09	7.74E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-09	7.74E-09	0.00E+00	0.00E+00	1.08E-08	3.91E-10	7.58E-10	0.00E+00	0.00E+00	1.15E-09
3233	419485.5	3740308	3.08E-09	7.68E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-09	7.68E-09	0.00E+00	0.00E+00	1.08E-08	3.87E-10	7.52E-10	0.00E+00	0.00E+00	1.14E-09
3234	419480.9	3740300	3.05E-09	7.61E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-09	7.61E-09	0.00E+00	0.00E+00	1.07E-08	3.84E-10	7.45E-10	0.00E+00	0.00E+00	1.13E-09
3235	419476.3	3740291	3.02E-09	7.54E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	7.54E-09	0.00E+00	0.00E+00	1.06E-08	3.80E-10	7.38E-10	0.00E+00	0.00E+00	1.12E-09
3236	419471.8	3740282	2.99E-09	7.46E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	7.46E-09	0.00E+00	0.00E+00	1.05E-08	3.76E-10	7.31E-10	0.00E+00	0.00E+00	1.11E-09
3237	419467.2	3740273	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	3.72E-10	7.23E-10	0.00E+00	0.00E+00	1.10E-09
3238	419462.6	3740265	2.93E-09	7.30E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	7.30E-09	0.00E+00	0.00E+00	1.02E-08	3.68E-10	7.15E-10	0.00E+00	0.00E+00	1.08E-09
3239	419458	3740256	2.89E-09	7.21E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	7.21E-09	0.00E+00	0.00E+00	1.01E-08	3.64E-10	7.06E-10	0.00E+00	0.00E+00	1.07E-09
3240	420296.7	3740761	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.53E-10	1.27E-09	0.00E+00	0.00E+00	1.92E-09
3241	420306.1	3740758	5.31E-09	1.32E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-09	1.32E-08	0.00E+00	0.00E+00	1.86E-08	6.68E-10	1.30E-09	0.00E+00	0.00E+00	1.96E-09
3242	420315.4	3740755	5.43E-09	1.35E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-09	1.35E-08	0.00E+00	0.00E+00	1.90E-08	6.83E-10	1.33E-09	0.00E+00	0.00E+00	2.01E-09
3243	420324.8	3740751	5.55E-09	1.38E-08	0.00E+00	0.00E+00	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-09	1.38E-08	0.00E+00	0.00E+00	1.94E-08	6.98E-10	1.36E-09	0.00E+00	0.00E+00	2.05E-09
3244	420334.1	3740748	5.67E-09	1.41E-08	0.00E+00	0.00E+00	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	1.41E-08	0.00E+00	0.00E+00	1.98E-08	7.13E-10	1.38E-09	0.00E+00	0.00E+00	2.10E-09
3245	420343.5	3740745	5.79E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	7.28E-10	1.41E-09	0.00E+00	0.00E+00	2.14E-09
3246	420352.8	3740741	5.90E-09	1.47E-08	0.00E+00	0.00E+00	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-09	1.47E-08	0.00E+00	0.00E+00	2.06E-08	7.42E-10	1.44E-09	0.00E+00	0.00E+00	2.18E-09
3247	420362.2	3740738	6.02E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	7.57E-10	1.47E-09	0.00E+00	0.00E+00	2.22E-09
3248	420371.5	3740735	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	7.71E-10	1.50E-09	0.00E+00	0.00E+00	2.27E-09
3249	420380.9	3740731	6.24E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-09	1.56E-08	0.00E+00	0.00E+00	2.18E-08	7.85E-10	1.52E-09	0.00E+00	0.00E+00	2.31E-09
3250	420390.2	3740728	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.58E-08	0.00E+00	0.00E+00	2.22E-08	7.99E-10	1.55E-09	0.00E+00	0.00E+00	2.35E-09
3251	420399.5	3740725	6.47E-09	1.61E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-09	1.61E-08	0.00E+00	0.00E+00	2.26E-08	8.14E-10	1.58E-09	0.00E+00	0.00E+00	2.39E-09
3252	420408.9	3740721	6.56E-09	1.63E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-09	1.63E-08	0.00E+00	0.00E+00	2.29E-08	8.25E-10	1.60E-09	0.00E+00	0.00E+00	2.43E-09
3253	420418.2	3740718	6.66E-09	1.66E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-09	1.66E-08	0.00E+00	0.00E+00	2.32E-08	8.37E-10	1.62E-09	0.00E+00	0.00E+00	2.46E-09
3254	420427.6	3740715	6.75E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-09	1.68E-08	0.00E+00	0.00E+00	2.36E-08	8.49E-10	1.65E-09	0.00E+00	0.00E+00	2.50E-09
3255	420436.9	3740711	6.83E-09	1.70E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.70E-08	0.00E+00	0.00E+00	2.39E-08	8.59E-10	1.67E-09	0.00E+00	0.00E+00	2.53E-09
3256	420300.3	3740798	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	5.95E-10	1.15E-09	0.00E+00	0.00E+00	1.75E-09
3257	420290.6	3740796	4.68E-09	1.17E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	1.17E-08	0.00E+00	0.00E+00	1.63E-08	5.88E-10	1.14E-09	0.00E+00	0.00E+00	1.73E-09
3258	420280.8	3740795	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-09	1.15E-08	0.00E+00	0.00E+00	1.62E-08	5.82E-10	1.13E-09	0.00E+00	0.00E+00	1.71E-09
3259	420271	3740794	4.57E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	5.75E-10	1.12E-09	0.00E+00	0.00E+00	1.69E-09
3260	420261.2	3740792	4.52E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	5.68E-10	1.10E-09	0.00E+00	0.00E+00	1.67E-09
3261	420251.5	3740791	4.46E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	5.61E-10	1.09E-09	0.00E+00	0.00E+00	1.65E-09
3262	420222.2	3740787	4.29E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.39E-10	1.05E-09	0.00E+00	0.00E+00	1.58E-09
3263	420212.4	3740786	4.23E-09	1.05E-08	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	1.05E-08	0.00E+00	0.00E+00	1.48E-08	5.31E-10	1.03E-09	0.00E+00	0.00E+00	1.56E-09
3264	420202.6	3740784	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	5.24E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
3265	420192.8	3740783	4.10E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	5.16E-10	1.00E-09	0.00E+00	0.00E+00	1.52E-09
3266	420183.1	3740782	4.04E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	5.09E-10	9.87E-10	0.00E+00	0.00E+00	1.50E-09
3267	420173.3	3740780	3.99E-09	9.93E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	9.93E-09	0.00E+00	0.00E+00	1.39E-08	5.01E-10	9.73E-10	0.00E+00	0.00E+00	1.47E-09
3268	420163.5	3740779	3.93E-09	9.79E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-09	9.79E-09	0.00E+00	0.00E+00	1.37E-08	4.94E-10	9.58E-10	0.00E+00	0.00E+00	1.45E-09
3269	420153.8	3740778	3.87E-09	9.64E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	9.64E-09	0.00E+00	0.00E+00	1.35E-08	4.87E-10	9.44E-10	0.00E+00	0.00E+00	1.43E-09
3270	420144	3740776	3.81E-09	9.50E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-09	9.50E-09	0.00E+00	0.00E+00	1.33E-08	4.79E-10	9.30E-10	0.00E+00	0.00E+00	1.41E-09
3271	420134.2	3740775	3.76E-09	9.36E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-09	9.36E-09	0.00E+00	0.00E+00	1.31E-08	4.72E-10	9.17E-10	0.00E+00	0.00E+00	1.39E-09
3272	420124.4	3740774	3.70E-09	9.22E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	9.22E-09	0.00E+00	0.00E+00	1.29E-08	4.65E-10	9.03E-10	0.00E+00	0.00E+00	1.37E-09
3273	420114.7	3740772	3.65E-09	9.09E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-09	9.09E-09	0.00E+00	0.00E+00	1.27E-08	4.59E-10	8.90E-10	0.00E+00	0.00E+00	1.35E-09
3274	420104.9	3740771	3.59E-09	8.95E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	8.95E-09	0.00E+00	0.00E+00	1.25E-08	4.52E-10	8.77E-10	0.00E+00	0.00E+00	1.33E-09
3275	420095.1	3740770	3.54E-09	8.83E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	8.83E-09	0.00E+00	0.00E+00	1.24E-08	4.45E-10	8.64E-10	0.00E+00	0.00E+00	1.31E-09
3276	420085.4	3740768	3.49E-09	8.70E-09	0.00E+00	0.00E+00	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-09	8.70E-09

3325	419609.7	3740622	2.50E-09	6.22E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	6.22E-09	0.00E+00	0.00E+00	8.72E-09	3.14E-10	6.09E-10	0.00E+00	0.00E+00	9.23E-10
3326	419605.1	3740614	2.52E-09	6.29E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	6.29E-09	0.00E+00	0.00E+00	8.81E-09	3.17E-10	6.16E-10	0.00E+00	0.00E+00	9.33E-10
3327	419600.6	3740605	2.55E-09	6.36E-09	0.00E+00	0.00E+00	8.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	6.36E-09	0.00E+00	0.00E+00	8.91E-09	3.21E-10	6.22E-10	0.00E+00	0.00E+00	9.43E-10
3328	419582.3	3740570	2.66E-09	6.63E-09	0.00E+00	0.00E+00	9.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	6.63E-09	0.00E+00	0.00E+00	9.28E-09	3.34E-10	6.49E-10	0.00E+00	0.00E+00	9.83E-10
3329	419577.7	3740561	2.69E-09	6.69E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	6.69E-09	0.00E+00	0.00E+00	9.38E-09	3.38E-10	6.55E-10	0.00E+00	0.00E+00	9.93E-10
3330	419573.1	3740553	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	3.41E-10	6.62E-10	0.00E+00	0.00E+00	1.00E-09
3331	419568.6	3740544	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.56E-09	3.44E-10	6.68E-10	0.00E+00	0.00E+00	1.01E-09
3332	419564	3740535	2.76E-09	6.88E-09	0.00E+00	0.00E+00	9.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-09	6.88E-09	0.00E+00	0.00E+00	9.65E-09	3.47E-10	6.74E-10	0.00E+00	0.00E+00	1.02E-09
3333	419559.4	3740526	2.79E-09	6.95E-09	0.00E+00	0.00E+00	9.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	6.95E-09	0.00E+00	0.00E+00	9.73E-09	3.50E-10	6.80E-10	0.00E+00	0.00E+00	1.03E-09
3334	419554.8	3740518	2.81E-09	7.00E-09	0.00E+00	0.00E+00	9.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	7.00E-09	0.00E+00	0.00E+00	9.81E-09	3.53E-10	6.86E-10	0.00E+00	0.00E+00	1.04E-09
3335	419550.3	3740509	2.83E-09	7.06E-09	0.00E+00	0.00E+00	9.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-09	7.06E-09	0.00E+00	0.00E+00	9.89E-09	3.56E-10	6.91E-10	0.00E+00	0.00E+00	1.05E-09
3336	419545.7	3740500	2.85E-09	7.11E-09	0.00E+00	0.00E+00	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	7.11E-09	0.00E+00	0.00E+00	9.96E-09	3.59E-10	6.96E-10	0.00E+00	0.00E+00	1.05E-09
3337	419541.1	3740491	2.87E-09	7.16E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	7.16E-09	0.00E+00	0.00E+00	1.00E-08	3.61E-10	7.01E-10	0.00E+00	0.00E+00	1.06E-09
3338	419536.6	3740483	2.89E-09	7.20E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-09	7.20E-09	0.00E+00	0.00E+00	1.01E-08	3.63E-10	7.05E-10	0.00E+00	0.00E+00	1.07E-09
3339	419532	3740474	2.91E-09	7.24E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	7.24E-09	0.00E+00	0.00E+00	1.01E-08	3.66E-10	7.09E-10	0.00E+00	0.00E+00	1.07E-09
3340	419527.4	3740465	2.92E-09	7.28E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	7.28E-09	0.00E+00	0.00E+00	1.02E-08	3.67E-10	7.13E-10	0.00E+00	0.00E+00	1.08E-09
3341	419522.8	3740456	2.93E-09	7.31E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	7.31E-09	0.00E+00	0.00E+00	1.02E-08	3.69E-10	7.16E-10	0.00E+00	0.00E+00	1.08E-09
3342	419518.3	3740448	2.94E-09	7.33E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	7.33E-09	0.00E+00	0.00E+00	1.03E-08	3.70E-10	7.18E-10	0.00E+00	0.00E+00	1.09E-09
3343	419513.7	3740439	2.95E-09	7.35E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	7.35E-09	0.00E+00	0.00E+00	1.03E-08	3.71E-10	7.20E-10	0.00E+00	0.00E+00	1.09E-09
3344	419509.1	3740430	2.96E-09	7.37E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	7.37E-09	0.00E+00	0.00E+00	1.03E-08	3.72E-10	7.21E-10	0.00E+00	0.00E+00	1.09E-09
3345	419504.6	3740421	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	3.72E-10	7.22E-10	0.00E+00	0.00E+00	1.09E-09
3346	419500	3740413	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	3.72E-10	7.23E-10	0.00E+00	0.00E+00	1.10E-09
3347	419495.4	3740404	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	7.38E-09	0.00E+00	0.00E+00	1.03E-08	3.72E-10	7.23E-10	0.00E+00	0.00E+00	1.09E-09
3348	419490.8	3740395	2.96E-09	7.37E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-09	7.37E-09	0.00E+00	0.00E+00	1.03E-08	3.72E-10	7.22E-10	0.00E+00	0.00E+00	1.09E-09
3349	419486.3	3740387	2.95E-09	7.36E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	7.36E-09	0.00E+00	0.00E+00	1.03E-08	3.71E-10	7.21E-10	0.00E+00	0.00E+00	1.09E-09
3350	419481.7	3740378	2.94E-09	7.34E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	7.34E-09	0.00E+00	0.00E+00	1.03E-08	3.70E-10	7.19E-10	0.00E+00	0.00E+00	1.09E-09
3351	419477.1	3740369	2.93E-09	7.31E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-09	7.31E-09	0.00E+00	0.00E+00	1.02E-08	3.69E-10	7.16E-10	0.00E+00	0.00E+00	1.08E-09
3352	419472.5	3740360	2.92E-09	7.28E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-09	7.28E-09	0.00E+00	0.00E+00	1.02E-08	3.67E-10	7.13E-10	0.00E+00	0.00E+00	1.08E-09
3353	419458.8	3740334	2.87E-09	7.15E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-09	7.15E-09	0.00E+00	0.00E+00	1.00E-08	3.61E-10	7.00E-10	0.00E+00	0.00E+00	1.06E-09
3354	419454.3	3740325	2.84E-09	7.09E-09	0.00E+00	0.00E+00	9.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	7.09E-09	0.00E+00	0.00E+00	9.93E-09	3.58E-10	6.94E-10	0.00E+00	0.00E+00	1.05E-09
3355	419449.7	3740317	2.82E-09	7.03E-09	0.00E+00	0.00E+00	9.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	7.03E-09	0.00E+00	0.00E+00	9.85E-09	3.55E-10	6.88E-10	0.00E+00	0.00E+00	1.04E-09
3356	419445.1	3740308	2.79E-09	6.96E-09	0.00E+00	0.00E+00	9.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-09	6.96E-09	0.00E+00	0.00E+00	9.76E-09	3.51E-10	6.82E-10	0.00E+00	0.00E+00	1.03E-09
3357	419440.5	3740299	2.77E-09	6.90E-09	0.00E+00	0.00E+00	9.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	6.90E-09	0.00E+00	0.00E+00	9.66E-09	3.48E-10	6.75E-10	0.00E+00	0.00E+00	1.02E-09
3358	419436	3740290	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.56E-09	3.44E-10	6.68E-10	0.00E+00	0.00E+00	1.01E-09
3359	419431.4	3740282	2.71E-09	6.75E-09	0.00E+00	0.00E+00	9.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.75E-09	0.00E+00	0.00E+00	9.46E-09	3.41E-10	6.61E-10	0.00E+00	0.00E+00	1.00E-09
3360	419426.8	3740273	2.68E-09	6.67E-09	0.00E+00	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	6.67E-09	0.00E+00	0.00E+00	9.35E-09	3.37E-10	6.53E-10	0.00E+00	0.00E+00	9.90E-10
3361	419422.2	3740264	2.65E-09	6.59E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	6.59E-09	0.00E+00	0.00E+00	9.24E-09	3.33E-10	6.46E-10	0.00E+00	0.00E+00	9.78E-10
3362	419417.7	3740255	2.61E-09	6.51E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	6.51E-09	0.00E+00	0.00E+00	9.13E-09	3.29E-10	6.38E-10	0.00E+00	0.00E+00	9.66E-10
3363	419413.1	3740247	2.58E-09	6.43E-09	0.00E+00	0.00E+00	9.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-09	6.43E-09	0.00E+00	0.00E+00	9.01E-09	3.24E-10	6.29E-10	0.00E+00	0.00E+00	9.54E-10
3364	419408.5	3740238	2.54E-09	6.34E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	6.34E-09	0.00E+00	0.00E+00	8.88E-09	3.20E-10	6.21E-10	0.00E+00	0.00E+00	9.41E-10
3365	419404	3740229	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.76E-09	3.15E-10	6.12E-10	0.00E+00	0.00E+00	9.28E-10
3366	419399.4	3740221	2.47E-09	6.16E-09	0.00E+00	0.00E+00	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	6.16E-09	0.00E+00	0.00E+00	8.64E-09	3.11E-10	6.04E-10	0.00E+00	0.00E+00	9.15E-10
3367	419394.8	3740212	2.44E-09	6.07E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	6.07E-09	0.00E+00	0.00E+00	8.51E-09	3.06E-10	5.95E-10	0.00E+00	0.00E+00	9.01E-10
3368	419390.2	3740203	2.40E-09	5.98E-09	0.00E+00	0.00E+00	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	5.98E-09	0.00E+00	0.00E+00	8.38E-09	3.02E-10	5.86E-10	0.00E+00	0.00E+00	8.88E-10
3369	419385.7	3740194	2.37E-09	5.90E-09	0.00E+00	0.00E+00	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	5.90E-09	0.00E+00	0.00E+00	8.26E-09	2.98E-10	5.77E-10	0.00E+00	0.00E+00	8.75E-10
3370	419381.1	3740186	2.33E-09	5.81E-09	0.00E+00	0.00E+00	8.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.81E-09	0.00E+00	0.00E+00	8.14E-09	2.93E-10	5.69E-10	0.00E+00	0.00E+00	8.62E-10
3371	419376.5	3740177	2.30E-09	5.72E-09	0.00E+00	0.00E+00	8.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	5.72E-09	0.00E+00	0.00E+00	8.02E-09	2.89E-10	5.60E-10	0.00E+00	0.00E+00	8.49E-10
3372	419371.9	3740168	2.26E-09	5.63E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	5.63E-09	0.00E+00	0.00E+00	7.90E-09	2.84E-10	5.52E-10	0.00E+00	0.00E+00	8.36E-10
3373	419367.4	3740159	2.23E-09	5.55E-09	0.00E+00	0.00E+00	7.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	5.55E-09	0.00E+00	0.00E+00	7.78E-09	2.80E-10	5.43E-10	0.00E+00	0.00E+00	8.23E-10
3374	419362.8	3740151	2.19E-09	5.47E-09	0.00E+00	0.00E+00	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	5.47E-09	0.00E+00	0.00E+00	7.66E-09	2.76E-10	5.36E-10	0.00E+00	0.00E+00	8.12E-10
3375	419358.2	3740142	2.16E-09	5.39E-09	0.00E+00	0.00E+00	7.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	5.39E-09	0.00E+00	0.00E+00	7.55E-09	2.72E-10	5.28E-10	0.00E+00	0.00E+00	8.00E-10
3376	419353.7	3740133	2.13E-09	5.31E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	5.31E-09	0.00E+00	0.00E+00	7.44E-09	2.68E-10	5.20E-10	0.00E+00	0.00E+00	7.88E-10
3377	420310.1	3740799	4.78E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	6.01E-10	1.17E-09	0.00E+00	0.00E+00	1.77E-09
3378	420319.4	3740796	4.88E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-09	1.22E-08	0.00E+00	0.00E+00	1.71E-08	6.14E-10	1.19E-09	0.00E+00	0.00E+00	1.81E-09
3379	420328.8	3740792	4.99E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	6.27E-10	1.22E-09	0.00E+00	0.00E+00	1.84E-09
3380	420338.1	3740789	5.09E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.40E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
3381	420347.5	3740786	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.53E-10	1.27E-09	0.00E+00	0.00E+00	1.92E-09
3382	420356.8	3740782	5.29E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	6.66E-10	1.29E-09	0.00E+00	0.00E+00	1.96E-09
3383	420366.2	3740779	5.39E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-09	1.34E-08	0.00E+00	0.00E+00	1.88E-08	6.78E-10	1.32E-09	0.00E+00	0.00E+00	1.99E-09
3384	420375.5	3740776	5.49E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	6.91E-10	1.34E-09	0.00E+00	0.00E+00	2.03E-09
3385	420384.9	3740772	5.59E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	7.03E-10	1.36E-09	0.00E+00	0.00E+00	2.07E-09
3386	420394.2	3740769	5.69E-09	1.42E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-09	1.42E-08	0.00E+00	0.00E+00	1.99E-08	7.15E-10	1.39E-09	0.00E+00	0.00E+00	2.10E-09
3387	420403.6	3740766	5.78E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	7.27E-10	1.41E-09	0.00E+00	0.00E+00	2.14E-09
3388	420412.9	3740762	5.87E-09	1.46E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.46E-08	0.00E+00	0.00E+00	2.05E-08	7.39E-10	1.43E-09	0.00E+00	0.00E+00	2.17E-09
3389	420422.3	3740759	5.96E-09	1.49E-08	0.00E+00	0.00E+00	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-09	1.49E-08	0.00E+00	0.00E+00	2.08E-08	7.50E-10	1.46E-09	0.00E+00	0.00E+00	2.21E-09
3390	420431.6	3740756	6.05E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-09	1.51E-08	0.00E+00	0.00E+00	2.11E-08	7.61E-10	1.48E-09	0.00E+00	0.00E+00	2.24E-09
3391	420441	3740752	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	7.71E-10	1.50E-09	0.00E+00	0.00E+00	2.27E-09
3392	420450.3	3740749	6.21E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	7.80E-10	1.51E-09	0.00E+00	0.00E+00	2.29E-09
3393	420313.8	3740835	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	5.49E-10	1.07E-09	0.00E+00	0.00E+00	1.61E-09
3394	420304	3740834	4.32E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	5.43E-10	1.05E-09	0.00E+00	0.00E+00	1.60E-09
3395	420294.3	3740833	4.27E-09	1.07E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	1.07E-08	0.00E+00	0.00E+00	1.49E-08	5.38E-10	1.04E-09	0.00E+00	0.00E+00	1.58E-09
3396	420284.6	3740831	4.23E-09	1.05E-08	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-09	1.05E-08	0.00E+00	0.00E+00	1.48E-08	5.32E-10	1.03E-09	0.00E+00	0.00E+00	1.56E-09
3397	420274.8	3740830	4.18E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.26E-10	1.02E-09	0.00E+00	0.00E+00	1.55E-09
3398	420265.1	3740829	4.13E-09	1.03E-08	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	1.03E-08	0.00E+00	0.00E+00	1.44E-08	5.19E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
3399	420255.4	3740827	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.42E-08	5.13E-10	9.96E-10	0.00E+00	0.00E+00	1.51E-09
3400	420216.4	3740822	3.87E-09	9.65E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09	9.65E-09	0.00E+00	0.00E+00	1.35E-08	4.87E-10	9.45E-10	0.00E+00	0.00E+00	1.43E-09
3401	420206.7	3740821	3.82E-09	9.52E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	9.52E-09	0.00E+00	0.00E+00	1.33E-08	4.80E-10	9.32E-10	0.00E+00	0.00E+00	1.41E-09
3402	420197	3740819	3.77E-09	9.39E-09	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-09	9.39E-09	0.00E+00	0.00E+00	1.32E-08	4.74E-10	9.20E-10	0.00E+00	0.00E+00	1.39E-09
3403	420187.2	3740818	3.72E-09	9.26E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-09	9.26E-09	0.00E+00	0.00E+00	1.30E-08	4.67E-10	9.07E-10	0.00E+00	0.00E+00	1.37E-09
3404	420177.5	3740817	3.66E-09	9.13E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-09	9.13E-09	0.00

3453	419661.7	3740747	2.11E-09	5.26E-09	0.00E+00	0.00E+00	7.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	5.26E-09	0.00E+00	0.00E+00	7.37E-09	2.65E-10	5.15E-10	0.00E+00	0.00E+00	7.80E-10
3454	419651.9	3740745	2.09E-09	5.22E-09	0.00E+00	0.00E+00	7.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	5.22E-09	0.00E+00	0.00E+00	7.31E-09	2.63E-10	5.11E-10	0.00E+00	0.00E+00	7.74E-10
3455	419642.2	3740744	2.08E-09	5.18E-09	0.00E+00	0.00E+00	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	5.18E-09	0.00E+00	0.00E+00	7.25E-09	2.61E-10	5.07E-10	0.00E+00	0.00E+00	7.68E-10
3456	419627.9	3740734	2.08E-09	5.19E-09	0.00E+00	0.00E+00	7.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	5.19E-09	0.00E+00	0.00E+00	7.27E-09	2.62E-10	5.08E-10	0.00E+00	0.00E+00	7.70E-10
3457	419623.4	3740725	2.10E-09	5.24E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	5.24E-09	0.00E+00	0.00E+00	7.35E-09	2.65E-10	5.13E-10	0.00E+00	0.00E+00	7.78E-10
3458	419618.8	3740716	2.13E-09	5.30E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	5.30E-09	0.00E+00	0.00E+00	7.42E-09	2.67E-10	5.19E-10	0.00E+00	0.00E+00	7.86E-10
3459	419614.2	3740708	2.15E-09	5.35E-09	0.00E+00	0.00E+00	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	5.35E-09	0.00E+00	0.00E+00	7.50E-09	2.70E-10	5.24E-10	0.00E+00	0.00E+00	7.94E-10
3460	419609.7	3740699	2.17E-09	5.41E-09	0.00E+00	0.00E+00	7.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	5.41E-09	0.00E+00	0.00E+00	7.58E-09	2.73E-10	5.30E-10	0.00E+00	0.00E+00	8.02E-10
3461	419605.1	3740690	2.19E-09	5.46E-09	0.00E+00	0.00E+00	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	5.46E-09	0.00E+00	0.00E+00	7.66E-09	2.76E-10	5.35E-10	0.00E+00	0.00E+00	8.11E-10
3462	419600.6	3740682	2.21E-09	5.52E-09	0.00E+00	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	5.52E-09	0.00E+00	0.00E+00	7.73E-09	2.79E-10	5.41E-10	0.00E+00	0.00E+00	8.19E-10
3463	419596	3740673	2.24E-09	5.57E-09	0.00E+00	0.00E+00	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	5.57E-09	0.00E+00	0.00E+00	7.81E-09	2.81E-10	5.46E-10	0.00E+00	0.00E+00	8.27E-10
3464	419591.5	3740664	2.26E-09	5.63E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	5.63E-09	0.00E+00	0.00E+00	7.89E-09	2.84E-10	5.51E-10	0.00E+00	0.00E+00	8.36E-10
3465	419586.9	3740656	2.28E-09	5.69E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	5.69E-09	0.00E+00	0.00E+00	7.98E-09	2.87E-10	5.57E-10	0.00E+00	0.00E+00	8.45E-10
3466	419582.4	3740647	2.31E-09	5.75E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	5.75E-09	0.00E+00	0.00E+00	8.06E-09	2.90E-10	5.63E-10	0.00E+00	0.00E+00	8.54E-10
3467	419577.8	3740638	2.33E-09	5.81E-09	0.00E+00	0.00E+00	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.81E-09	0.00E+00	0.00E+00	8.15E-09	2.93E-10	5.69E-10	0.00E+00	0.00E+00	8.63E-10
3468	419573.3	3740629	2.36E-09	5.88E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	5.88E-09	0.00E+00	0.00E+00	8.23E-09	2.96E-10	5.75E-10	0.00E+00	0.00E+00	8.72E-10
3469	419568.7	3740621	2.38E-09	5.94E-09	0.00E+00	0.00E+00	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	5.94E-09	0.00E+00	0.00E+00	8.32E-09	2.99E-10	5.81E-10	0.00E+00	0.00E+00	8.81E-10
3470	419564.1	3740612	2.40E-09	5.99E-09	0.00E+00	0.00E+00	8.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	5.99E-09	0.00E+00	0.00E+00	8.40E-09	3.02E-10	5.87E-10	0.00E+00	0.00E+00	8.89E-10
3471	419559.6	3740603	2.43E-09	6.05E-09	0.00E+00	0.00E+00	8.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	6.05E-09	0.00E+00	0.00E+00	8.48E-09	3.05E-10	5.93E-10	0.00E+00	0.00E+00	8.98E-10
3472	419541.4	3740568	2.53E-09	6.29E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.29E-09	0.00E+00	0.00E+00	8.82E-09	3.18E-10	6.16E-10	0.00E+00	0.00E+00	9.34E-10
3473	419536.8	3740560	2.55E-09	6.35E-09	0.00E+00	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-09	6.35E-09	0.00E+00	0.00E+00	8.90E-09	3.20E-10	6.22E-10	0.00E+00	0.00E+00	9.42E-10
3474	419532.3	3740551	2.57E-09	6.40E-09	0.00E+00	0.00E+00	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	6.40E-09	0.00E+00	0.00E+00	8.97E-09	3.23E-10	6.27E-10	0.00E+00	0.00E+00	9.50E-10
3475	419527.7	3740542	2.59E-09	6.45E-09	0.00E+00	0.00E+00	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	6.45E-09	0.00E+00	0.00E+00	9.04E-09	3.26E-10	6.32E-10	0.00E+00	0.00E+00	9.58E-10
3476	419523.2	3740534	2.61E-09	6.50E-09	0.00E+00	0.00E+00	9.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	6.50E-09	0.00E+00	0.00E+00	9.11E-09	3.28E-10	6.37E-10	0.00E+00	0.00E+00	9.65E-10
3477	419518.6	3740525	2.63E-09	6.55E-09	0.00E+00	0.00E+00	9.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	6.55E-09	0.00E+00	0.00E+00	9.18E-09	3.30E-10	6.41E-10	0.00E+00	0.00E+00	9.72E-10
3478	419514	3740516	2.64E-09	6.59E-09	0.00E+00	0.00E+00	9.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-09	6.59E-09	0.00E+00	0.00E+00	9.24E-09	3.33E-10	6.45E-10	0.00E+00	0.00E+00	9.78E-10
3479	419509.5	3740508	2.66E-09	6.63E-09	0.00E+00	0.00E+00	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-09	6.63E-09	0.00E+00	0.00E+00	9.29E-09	3.35E-10	6.49E-10	0.00E+00	0.00E+00	9.84E-10
3480	419504.9	3740499	2.68E-09	6.67E-09	0.00E+00	0.00E+00	9.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	6.67E-09	0.00E+00	0.00E+00	9.34E-09	3.36E-10	6.53E-10	0.00E+00	0.00E+00	9.89E-10
3481	419500.4	3740490	2.69E-09	6.70E-09	0.00E+00	0.00E+00	9.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	6.70E-09	0.00E+00	0.00E+00	9.39E-09	3.38E-10	6.56E-10	0.00E+00	0.00E+00	9.94E-10
3482	419495.8	3740481	2.70E-09	6.73E-09	0.00E+00	0.00E+00	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	6.73E-09	0.00E+00	0.00E+00	9.43E-09	3.40E-10	6.59E-10	0.00E+00	0.00E+00	9.99E-10
3483	419491.3	3740473	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	3.41E-10	6.62E-10	0.00E+00	0.00E+00	1.00E-09
3484	419486.7	3740464	2.72E-09	6.78E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	6.78E-09	0.00E+00	0.00E+00	9.50E-09	3.42E-10	6.64E-10	0.00E+00	0.00E+00	1.01E-09
3485	419482.2	3740455	2.73E-09	6.79E-09	0.00E+00	0.00E+00	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	6.79E-09	0.00E+00	0.00E+00	9.52E-09	3.43E-10	6.65E-10	0.00E+00	0.00E+00	1.01E-09
3486	419477.6	3740447	2.73E-09	6.81E-09	0.00E+00	0.00E+00	9.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	6.81E-09	0.00E+00	0.00E+00	9.54E-09	3.43E-10	6.67E-10	0.00E+00	0.00E+00	1.01E-09
3487	419473.1	3740438	2.73E-09	6.82E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	6.82E-09	0.00E+00	0.00E+00	9.55E-09	3.44E-10	6.67E-10	0.00E+00	0.00E+00	1.01E-09
3488	419468.5	3740429	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.55E-09	3.44E-10	6.68E-10	0.00E+00	0.00E+00	1.01E-09
3489	419463.9	3740421	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.55E-09	3.44E-10	6.68E-10	0.00E+00	0.00E+00	1.01E-09
3490	419459.4	3740412	2.73E-09	6.81E-09	0.00E+00	0.00E+00	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	6.81E-09	0.00E+00	0.00E+00	9.55E-09	3.44E-10	6.67E-10	0.00E+00	0.00E+00	1.01E-09
3491	419454.8	3740403	2.73E-09	6.80E-09	0.00E+00	0.00E+00	9.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-09	6.80E-09	0.00E+00	0.00E+00	9.53E-09	3.43E-10	6.66E-10	0.00E+00	0.00E+00	1.01E-09
3492	419450.3	3740394	2.72E-09	6.78E-09	0.00E+00	0.00E+00	9.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	6.78E-09	0.00E+00	0.00E+00	9.50E-09	3.42E-10	6.64E-10	0.00E+00	0.00E+00	1.01E-09
3493	419445.7	3740386	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	3.41E-10	6.62E-10	0.00E+00	0.00E+00	1.00E-09
3494	419441.2	3740377	2.70E-09	6.73E-09	0.00E+00	0.00E+00	9.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	6.73E-09	0.00E+00	0.00E+00	9.43E-09	3.39E-10	6.59E-10	0.00E+00	0.00E+00	9.98E-10
3495	419436.6	3740368	2.69E-09	6.69E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	6.69E-09	0.00E+00	0.00E+00	9.38E-09	3.38E-10	6.55E-10	0.00E+00	0.00E+00	9.93E-10
3496	419423	3740342	2.63E-09	6.57E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	6.57E-09	0.00E+00	0.00E+00	9.20E-09	3.31E-10	6.43E-10	0.00E+00	0.00E+00	9.74E-10
3497	419418.4	3740334	2.61E-09	6.51E-09	0.00E+00	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-09	6.51E-09	0.00E+00	0.00E+00	9.13E-09	3.29E-10	6.38E-10	0.00E+00	0.00E+00	9.67E-10
3498	419413.8	3740325	2.59E-09	6.46E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	6.46E-09	0.00E+00	0.00E+00	9.05E-09	3.26E-10	6.32E-10	0.00E+00	0.00E+00	9.58E-10
3499	419409.3	3740316	2.57E-09	6.40E-09	0.00E+00	0.00E+00	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	6.40E-09	0.00E+00	0.00E+00	8.97E-09	3.23E-10	6.27E-10	0.00E+00	0.00E+00	9.49E-10
3500	419404.7	3740307	2.54E-09	6.34E-09	0.00E+00	0.00E+00	8.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	6.34E-09	0.00E+00	0.00E+00	8.88E-09	3.20E-10	6.20E-10	0.00E+00	0.00E+00	9.40E-10
3501	419400.2	3740299	2.52E-09	6.27E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	6.27E-09	0.00E+00	0.00E+00	8.79E-09	3.16E-10	6.14E-10	0.00E+00	0.00E+00	9.30E-10
3502	419395.6	3740290	2.49E-09	6.20E-09	0.00E+00	0.00E+00	8.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	6.20E-09	0.00E+00	0.00E+00	8.69E-09	3.13E-10	6.07E-10	0.00E+00	0.00E+00	9.20E-10
3503	419391.1	3740281	2.46E-09	6.13E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	6.13E-09	0.00E+00	0.00E+00	8.59E-09	3.09E-10	6.00E-10	0.00E+00	0.00E+00	9.10E-10
3504	419386.5	3740273	2.43E-09	6.06E-09	0.00E+00	0.00E+00	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	6.06E-09	0.00E+00	0.00E+00	8.49E-09	3.06E-10	5.93E-10	0.00E+00	0.00E+00	8.99E-10
3505	419382	3740264	2.40E-09	5.98E-09	0.00E+00	0.00E+00	8.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	5.98E-09	0.00E+00	0.00E+00	8.38E-09	3.02E-10	5.86E-10	0.00E+00	0.00E+00	8.88E-10
3506	419377.4	3740255	2.37E-09	5.91E-09	0.00E+00	0.00E+00	8.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	5.91E-09	0.00E+00	0.00E+00	8.28E-09	2.98E-10	5.78E-10	0.00E+00	0.00E+00	8.76E-10
3507	419372.9	3740246	2.34E-09	5.83E-09	0.00E+00	0.00E+00	8.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	5.83E-09	0.00E+00	0.00E+00	8.17E-09	2.94E-10	5.71E-10	0.00E+00	0.00E+00	8.65E-10
3508	419368.3	3740238	2.31E-09	5.75E-09	0.00E+00	0.00E+00	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	5.75E-09	0.00E+00	0.00E+00	8.05E-09	2.90E-10	5.63E-10	0.00E+00	0.00E+00	8.53E-10
3509	419363.7	3740229	2.27E-09	5.67E-09	0.00E+00	0.00E+00	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	5.67E-09	0.00E+00	0.00E+00	7.94E-09	2.86E-10	5.55E-10	0.00E+00	0.00E+00	8.41E-10
3510	419359.2	3740220	2.24E-09	5.59E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	5.59E-09	0.00E+00	0.00E+00	7.83E-09	2.82E-10	5.47E-10	0.00E+00	0.00E+00	8.29E-10
3511	419354.6	3740212	2.21E-09	5.51E-09	0.00E+00	0.00E+00	7.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	5.51E-09	0.00E+00	0.00E+00	7.72E-09	2.78E-10	5.40E-10	0.00E+00	0.00E+00	8.18E-10
3512	419350.1	3740203	2.18E-09	5.43E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	5.43E-09	0.00E+00	0.00E+00	7.62E-09	2.74E-10	5.32E-10	0.00E+00	0.00E+00	8.06E-10
3513	419345.5	3740194	2.15E-09	5.36E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	5.36E-09	0.00E+00	0.00E+00	7.51E-09	2.70E-10	5.25E-10	0.00E+00	0.00E+00	7.95E-10
3514	419341	3740186	2.12E-09	5.28E-09	0.00E+00	0.00E+00	7.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	5.28E-09	0.00E+00	0.00E+00	7.40E-09	2.67E-10	5.17E-10	0.00E+00	0.00E+00	7.84E-10
3515	419336.4	3740177	2.09E-09	5.21E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	5.21E-09	0.00E+00	0.00E+00	7.30E-09	2.63E-10	5.10E-10	0.00E+00	0.00E+00	7.73E-10
3516	419331.9	3740168	2.06E-09	5.14E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.14E-09	0.00E+00	0.00E+00	7.20E-09	2.59E-10	5.03E-10	0.00E+00	0.00E+00	7.62E-10
3517	419327.3	3740159	2.03E-09	5.07E-09	0.00E+00	0.00E+00	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	5.07E-09	0.00E+00	0.00E+00	7.10E-09	2.56E-10	4.96E-10	0.00E+00	0.00E+00	7.52E-10
3518	419322.8	3740151	2.00E-09	5.00E-09	0.00E+00	0.00E+00	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	5.00E-09	0.00E+00	0.00E+00	7.00E-09	2.52E-10	4.89E-10	0.00E+00	0.00E+00	7.41E-10
3519	419318.2	3740142	1.98E-09	4.93E-09	0.00E+00	0.00E+00	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	4.93E-09	0.00E+00	0.00E+00	6.90E-09	2.49E-10	4.82E-10	0.00E+00	0.00E+00	7.31E-10
3520	419313.6	3740133	1.95E-09	4.86E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	4.86E-09	0.00E+00	0.00E+00	6.81E-09	2.45E-10	4.76E-10	0.00E+00	0.00E+00	7.21E-10
3521	420323.5	3740837	4.41E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	5.54E-10	1.08E-09	0.00E+00	0.00E+00	1.63E-09
3522	420332.8	3740833	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	5.66E-10	1.10E-09	0.00E+00	0.00E+00	1.66E-09
3523	420342.2	3740830	4.59E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	5.77E-10	1.12E-09	0.00E+00	0.00E+00	1.70E-09
3524	420351.5	3740827	4.68E-09	1.17E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-09	1.17E-08	0.00E+00	0.00E+00	1.63E-08	5.89E-10	1.14E-09	0.00E+00	0.00E+00	1.73E-09
3525	420360.9	3740823	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	6.00E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
3526	420370.2	3740820	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-09	1.21E-08	0.00E+00	0.00E+00	1.70E-08	6.11E-10	1.19E-09	0.00E+00	0.00E+00	1.80E-09
3527	420379.6	3740817	4.95E-09	1.23E-08	0.00E+00	0.00E+00	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-09	1.23E-08	0.00E+00	0.00E+00	1.73E-08	6.22E-10	1.21E-09	0.00E+00	0.00E+00	1.83E-09
3528	420388.9	3740813	5.04E-09	1.26E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-09	1.26E-08	0.00E+00	0.00E+00	1.76E-08	6.33E-10	1.23E-09	0.00E+00	0.00E+00	1.86E-09
3529	420398.3	3740810	5.12E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	6.44E-10	1.25E-09	0.00E+00	0.00E+00	1.89E-09
3530	420407.6	3740807	5.21E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-09	1.30E-08	0.00E+00	0.00E+00	1.82E-08	6.55E-10	1.27E-09	0.00E+00	0.00E+00	1.93E-09
3531	420417	3740803	5.29E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-09	1.32E-08	0.00E+00	0.00E+00	1.85E-08	6.65E-10	1.29E-09	0.00E+00	0.00E+00	1.96E-09
3532	420426.3	3740800	5.37E-09	1.34E-08	0.00E+00	0.00E+00	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-09	1.34E-08	0.00E+00	0.00E+

3581	419865.1	3740810	2.34E-09	5.83E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	5.83E-09	0.00E+00	0.00E+00	8.18E-09	2.94E-10	5.71E-10	0.00E+00	0.00E+00	8.66E-10
3582	419855.2	3740809	2.32E-09	5.78E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	5.78E-09	0.00E+00	0.00E+00	8.10E-09	2.92E-10	5.66E-10	0.00E+00	0.00E+00	8.58E-10
3583	419845.4	3740807	2.30E-09	5.74E-09	0.00E+00	0.00E+00	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	5.74E-09	0.00E+00	0.00E+00	8.04E-09	2.89E-10	5.62E-10	0.00E+00	0.00E+00	8.51E-10
3584	419835.6	3740806	2.28E-09	5.70E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	5.70E-09	0.00E+00	0.00E+00	7.98E-09	2.87E-10	5.58E-10	0.00E+00	0.00E+00	8.45E-10
3585	419825.7	3740805	2.27E-09	5.65E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	5.65E-09	0.00E+00	0.00E+00	7.92E-09	2.85E-10	5.53E-10	0.00E+00	0.00E+00	8.39E-10
3586	419815.9	3740803	2.25E-09	5.61E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	5.61E-09	0.00E+00	0.00E+00	7.86E-09	2.83E-10	5.49E-10	0.00E+00	0.00E+00	8.32E-10
3587	419806.1	3740802	2.23E-09	5.56E-09	0.00E+00	0.00E+00	7.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	5.56E-09	0.00E+00	0.00E+00	7.80E-09	2.81E-10	5.45E-10	0.00E+00	0.00E+00	8.26E-10
3588	419796.2	3740801	2.21E-09	5.52E-09	0.00E+00	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	5.52E-09	0.00E+00	0.00E+00	7.73E-09	2.78E-10	5.40E-10	0.00E+00	0.00E+00	8.19E-10
3589	419747.1	3740794	2.12E-09	5.29E-09	0.00E+00	0.00E+00	7.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	5.29E-09	0.00E+00	0.00E+00	7.41E-09	2.67E-10	5.18E-10	0.00E+00	0.00E+00	7.85E-10
3590	419737.3	3740793	2.11E-09	5.25E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	5.25E-09	0.00E+00	0.00E+00	7.35E-09	2.65E-10	5.14E-10	0.00E+00	0.00E+00	7.79E-10
3591	419727.4	3740791	2.09E-09	5.21E-09	0.00E+00	0.00E+00	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	5.21E-09	0.00E+00	0.00E+00	7.30E-09	2.63E-10	5.10E-10	0.00E+00	0.00E+00	7.73E-10
3592	419717.6	3740790	2.07E-09	5.17E-09	0.00E+00	0.00E+00	7.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	5.17E-09	0.00E+00	0.00E+00	7.24E-09	2.61E-10	5.06E-10	0.00E+00	0.00E+00	7.66E-10
3593	419707.8	3740789	2.06E-09	5.12E-09	0.00E+00	0.00E+00	7.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.12E-09	0.00E+00	0.00E+00	7.18E-09	2.59E-10	5.02E-10	0.00E+00	0.00E+00	7.60E-10
3594	419698	3740787	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.12E-09	2.57E-10	4.98E-10	0.00E+00	0.00E+00	7.54E-10
3595	419688.1	3740786	2.02E-09	5.05E-09	0.00E+00	0.00E+00	7.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	5.05E-09	0.00E+00	0.00E+00	7.07E-09	2.55E-10	4.94E-10	0.00E+00	0.00E+00	7.49E-10
3596	419678.3	3740785	2.01E-09	5.01E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	5.01E-09	0.00E+00	0.00E+00	7.02E-09	2.53E-10	4.90E-10	0.00E+00	0.00E+00	7.43E-10
3597	419668.5	3740783	1.99E-09	4.97E-09	0.00E+00	0.00E+00	6.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	4.97E-09	0.00E+00	0.00E+00	6.96E-09	2.51E-10	4.86E-10	0.00E+00	0.00E+00	7.37E-10
3598	419658.6	3740782	1.98E-09	4.93E-09	0.00E+00	0.00E+00	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	4.93E-09	0.00E+00	0.00E+00	6.91E-09	2.49E-10	4.83E-10	0.00E+00	0.00E+00	7.31E-10
3599	419648.8	3740781	1.96E-09	4.89E-09	0.00E+00	0.00E+00	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	4.89E-09	0.00E+00	0.00E+00	6.85E-09	2.47E-10	4.79E-10	0.00E+00	0.00E+00	7.26E-10
3600	419639	3740779	1.95E-09	4.85E-09	0.00E+00	0.00E+00	6.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	4.85E-09	0.00E+00	0.00E+00	6.80E-09	2.45E-10	4.75E-10	0.00E+00	0.00E+00	7.20E-10
3601	419629.1	3740778	1.93E-09	4.81E-09	0.00E+00	0.00E+00	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	4.81E-09	0.00E+00	0.00E+00	6.75E-09	2.43E-10	4.71E-10	0.00E+00	0.00E+00	7.14E-10
3602	419619.3	3740777	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.69E-09	2.41E-10	4.68E-10	0.00E+00	0.00E+00	7.09E-10
3603	419604.9	3740766	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.71E-09	2.42E-10	4.69E-10	0.00E+00	0.00E+00	7.10E-10
3604	419600.3	3740758	1.94E-09	4.84E-09	0.00E+00	0.00E+00	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	4.84E-09	0.00E+00	0.00E+00	6.78E-09	2.44E-10	4.74E-10	0.00E+00	0.00E+00	7.18E-10
3605	419595.7	3740749	1.96E-09	4.89E-09	0.00E+00	0.00E+00	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	4.89E-09	0.00E+00	0.00E+00	6.85E-09	2.47E-10	4.79E-10	0.00E+00	0.00E+00	7.25E-10
3606	419591.1	3740740	1.98E-09	4.94E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	4.94E-09	0.00E+00	0.00E+00	6.92E-09	2.49E-10	4.83E-10	0.00E+00	0.00E+00	7.33E-10
3607	419586.5	3740731	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	2.52E-10	4.88E-10	0.00E+00	0.00E+00	7.40E-10
3608	419581.9	3740723	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	2.54E-10	4.93E-10	0.00E+00	0.00E+00	7.48E-10
3609	419577.3	3740714	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.14E-09	2.57E-10	4.99E-10	0.00E+00	0.00E+00	7.56E-10
3610	419572.7	3740705	2.06E-09	5.15E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.15E-09	0.00E+00	0.00E+00	7.21E-09	2.60E-10	5.04E-10	0.00E+00	0.00E+00	7.63E-10
3611	419568.1	3740696	2.09E-09	5.20E-09	0.00E+00	0.00E+00	7.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	5.20E-09	0.00E+00	0.00E+00	7.29E-09	2.62E-10	5.09E-10	0.00E+00	0.00E+00	7.71E-10
3612	419563.5	3740687	2.11E-09	5.25E-09	0.00E+00	0.00E+00	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	5.25E-09	0.00E+00	0.00E+00	7.36E-09	2.65E-10	5.14E-10	0.00E+00	0.00E+00	7.79E-10
3613	419558.9	3740679	2.13E-09	5.30E-09	0.00E+00	0.00E+00	7.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	5.30E-09	0.00E+00	0.00E+00	7.42E-09	2.67E-10	5.19E-10	0.00E+00	0.00E+00	7.86E-10
3614	419554.3	3740670	2.14E-09	5.34E-09	0.00E+00	0.00E+00	7.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	5.34E-09	0.00E+00	0.00E+00	7.49E-09	2.70E-10	5.23E-10	0.00E+00	0.00E+00	7.93E-10
3615	419549.7	3740661	2.17E-09	5.40E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	5.40E-09	0.00E+00	0.00E+00	7.57E-09	2.73E-10	5.29E-10	0.00E+00	0.00E+00	8.01E-10
3616	419545.1	3740652	2.19E-09	5.46E-09	0.00E+00	0.00E+00	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	5.46E-09	0.00E+00	0.00E+00	7.65E-09	2.76E-10	5.35E-10	0.00E+00	0.00E+00	8.10E-10
3617	419540.5	3740643	2.21E-09	5.52E-09	0.00E+00	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	5.52E-09	0.00E+00	0.00E+00	7.73E-09	2.79E-10	5.40E-10	0.00E+00	0.00E+00	8.19E-10
3618	419535.9	3740635	2.24E-09	5.58E-09	0.00E+00	0.00E+00	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	5.58E-09	0.00E+00	0.00E+00	7.81E-09	2.81E-10	5.46E-10	0.00E+00	0.00E+00	8.27E-10
3619	419531.3	3740626	2.26E-09	5.63E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	5.63E-09	0.00E+00	0.00E+00	7.89E-09	2.84E-10	5.51E-10	0.00E+00	0.00E+00	8.35E-10
3620	419526.7	3740617	2.28E-09	5.68E-09	0.00E+00	0.00E+00	7.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	5.68E-09	0.00E+00	0.00E+00	7.96E-09	2.87E-10	5.56E-10	0.00E+00	0.00E+00	8.43E-10
3621	419522.1	3740608	2.30E-09	5.73E-09	0.00E+00	0.00E+00	8.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	5.73E-09	0.00E+00	0.00E+00	8.03E-09	2.89E-10	5.61E-10	0.00E+00	0.00E+00	8.50E-10
3622	419503.7	3740573	2.38E-09	5.92E-09	0.00E+00	0.00E+00	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	5.92E-09	0.00E+00	0.00E+00	8.30E-09	2.99E-10	5.80E-10	0.00E+00	0.00E+00	8.78E-10
3623	419499.1	3740564	2.39E-09	5.97E-09	0.00E+00	0.00E+00	8.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	5.97E-09	0.00E+00	0.00E+00	8.36E-09	3.01E-10	5.84E-10	0.00E+00	0.00E+00	8.86E-10
3624	419494.5	3740556	2.41E-09	6.01E-09	0.00E+00	0.00E+00	8.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	6.01E-09	0.00E+00	0.00E+00	8.43E-09	3.04E-10	5.89E-10	0.00E+00	0.00E+00	8.92E-10
3625	419489.9	3740547	2.43E-09	6.06E-09	0.00E+00	0.00E+00	8.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	6.06E-09	0.00E+00	0.00E+00	8.49E-09	3.06E-10	5.93E-10	0.00E+00	0.00E+00	8.99E-10
3626	419485.3	3740538	2.45E-09	6.10E-09	0.00E+00	0.00E+00	8.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	6.10E-09	0.00E+00	0.00E+00	8.55E-09	3.08E-10	5.97E-10	0.00E+00	0.00E+00	9.05E-10
3627	419480.7	3740529	2.46E-09	6.14E-09	0.00E+00	0.00E+00	8.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	6.14E-09	0.00E+00	0.00E+00	8.60E-09	3.10E-10	6.01E-10	0.00E+00	0.00E+00	9.11E-10
3628	419476.1	3740520	2.47E-09	6.17E-09	0.00E+00	0.00E+00	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	6.17E-09	0.00E+00	0.00E+00	8.64E-09	3.11E-10	6.04E-10	0.00E+00	0.00E+00	9.15E-10
3629	419471.5	3740512	2.49E-09	6.20E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-09	6.20E-09	0.00E+00	0.00E+00	8.68E-09	3.13E-10	6.07E-10	0.00E+00	0.00E+00	9.19E-10
3630	419466.9	3740503	2.50E-09	6.22E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	6.22E-09	0.00E+00	0.00E+00	8.72E-09	3.14E-10	6.09E-10	0.00E+00	0.00E+00	9.23E-10
3631	419462.3	3740494	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.75E-09	3.15E-10	6.12E-10	0.00E+00	0.00E+00	9.27E-10
3632	419457.7	3740485	2.51E-09	6.27E-09	0.00E+00	0.00E+00	8.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	6.27E-09	0.00E+00	0.00E+00	8.78E-09	3.16E-10	6.14E-10	0.00E+00	0.00E+00	9.30E-10
3633	419453.1	3740476	2.52E-09	6.28E-09	0.00E+00	0.00E+00	8.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	6.28E-09	0.00E+00	0.00E+00	8.81E-09	3.17E-10	6.15E-10	0.00E+00	0.00E+00	9.33E-10
3634	419448.5	3740468	2.53E-09	6.30E-09	0.00E+00	0.00E+00	8.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.30E-09	0.00E+00	0.00E+00	8.83E-09	3.18E-10	6.17E-10	0.00E+00	0.00E+00	9.35E-10
3635	419443.9	3740459	2.53E-09	6.31E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.31E-09	0.00E+00	0.00E+00	8.84E-09	3.18E-10	6.18E-10	0.00E+00	0.00E+00	9.36E-10
3636	419439.3	3740450	2.53E-09	6.32E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.32E-09	0.00E+00	0.00E+00	8.85E-09	3.19E-10	6.18E-10	0.00E+00	0.00E+00	9.37E-10
3637	419434.7	3740441	2.53E-09	6.32E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.32E-09	0.00E+00	0.00E+00	8.85E-09	3.19E-10	6.18E-10	0.00E+00	0.00E+00	9.37E-10
3638	419430.1	3740433	2.53E-09	6.31E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.31E-09	0.00E+00	0.00E+00	8.85E-09	3.19E-10	6.18E-10	0.00E+00	0.00E+00	9.37E-10
3639	419425.5	3740424	2.53E-09	6.31E-09	0.00E+00	0.00E+00	8.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.31E-09	0.00E+00	0.00E+00	8.84E-09	3.18E-10	6.18E-10	0.00E+00	0.00E+00	9.36E-10
3640	419420.9	3740415	2.53E-09	6.29E-09	0.00E+00	0.00E+00	8.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.29E-09	0.00E+00	0.00E+00	8.82E-09	3.18E-10	6.16E-10	0.00E+00	0.00E+00	9.34E-10
3641	419416.3	3740406	2.52E-09	6.28E-09	0.00E+00	0.00E+00	8.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-09	6.28E-09	0.00E+00	0.00E+00	8.79E-09	3.17E-10	6.15E-10	0.00E+00	0.00E+00	9.31E-10
3642	419411.7	3740397	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.76E-09	3.16E-10	6.12E-10	0.00E+00	0.00E+00	9.28E-10
3643	419407.1	3740389	2.50E-09	6.22E-09	0.00E+00	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	6.22E-09	0.00E+00	0.00E+00	8.72E-09	3.14E-10	6.10E-10	0.00E+00	0.00E+00	9.24E-10
3644	419402.5	3740380	2.48E-09	6.19E-09	0.00E+00	0.00E+00	8.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	6.19E-09	0.00E+00	0.00E+00	8.68E-09	3.12E-10	6.06E-10	0.00E+00	0.00E+00	9.19E-10
3645	419388.7	3740353	2.44E-09	6.07E-09	0.00E+00	0.00E+00	8.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	6.07E-09	0.00E+00	0.00E+00	8.51E-09	3.06E-10	5.94E-10	0.00E+00	0.00E+00	9.01E-10
3646	419384.1	3740345	2.42E-09	6.02E-09	0.00E+00	0.00E+00	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-09	6.02E-09	0.00E+00	0.00E+00	8.44E-09	3.04E-10	5.90E-10	0.00E+00	0.00E+00	8.94E-10
3647	419379.5	3740336	2.40E-09	5.97E-09	0.00E+00	0.00E+00	8.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	5.97E-09	0.00E+00	0.00E+00	8.37E-09	3.01E-10	5.85E-10	0.00E+00	0.00E+00	8.86E-10
3648	419374.9	3740327	2.37E-09	5.92E-09	0.00E+00	0.00E+00	8.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	5.92E-09	0.00E+00	0.00E+00	8.29E-09	2.99E-10	5.79E-10	0.00E+00	0.00E+00	8.78E-10
3649	419370.3	3740318	2.35E-09	5.86E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.86E-09	0.00E+00	0.00E+00	8.21E-09	2.96E-10	5.74E-10	0.00E+00	0.00E+00	8.70E-10
3650	419365.7	3740309	2.33E-09	5.80E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.80E-09	0.00E+00	0.00E+00	8.13E-09	2.93E-10	5.68E-10	0.00E+00	0.00E+00	8.61E-10
3651	419361.1	3740301	2.30E-09	5.74E-09	0.00E+00	0.00E+00	8.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	5.74E-09	0.00E+00	0.00E+00	8.04E-09	2.90E-10	5.62E-10	0.00E+00	0.00E+00	8.51E-10
3652	419356.5	3740292	2.28E-09	5.67E-09	0.00E+00	0.00E+00	7.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	5.67E-09	0.00E+00	0.00E+00	7.95E-09	2.86E-10	5.56E-10	0.00E+00	0.00E+00	8.42E-10
3653	419351.9	3740283	2.25E-09	5.61E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	5.61E-09	0.00E+00	0.00E+00	7.86E-09	2.83E-10	5.49E-10	0.00E+00	0.00E+00	8.32E-10
3654	419347.3	3740274	2.22E-09	5.54E-09	0.00E+00	0.00E+00	7.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	5.54E-09	0.00E+00	0.00E+00	7.76E-09	2.79E-10	5.42E-10	0.00E+00	0.00E+00	8.22E-10
3655	419342.7	3740266	2.19E-09	5.47E-09	0.00E+00	0.00E+00	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	5.47E-09	0.00E+00	0.00E+00	7.66E-09	2.76E-10	5.35E-10	0.00E+00	0.00E+00	8.11E-10
3656	419338.1	3740257	2.16E-09	5.39E-09	0.00E+00	0.00E+00	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	5.39E-09	0.00E+00	0.00E+00	7.56E-09	2.72E-10	5.28E-10	0.00E+00	0.00E+00	8.00E-10
3657	419333.5	3740248	2.13E-09	5.32E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	5.32E-09	0.00E+00	0.00E+00	7.45E-09	2.68E-10	5.21E-10	0.00E+00	0.00E+00	7.89E-10
3658	419328.9	3740239	2.10E-09	5.25E-09	0.00E+00	0.00E+00	7.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	5.25E-09	0.00E+00	0.00E+00	7.35E-09	2.65E-10	5.14E-10	0.00E+00	0.00E+00	7.78E-10
3659	419324.3	3740230	2.07E-09	5.17E-09	0.00E+00	0.00E+00	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	5.17E-09	0.00E+00	0.00E+00	7.25E-09	2.61E-10	5.06E-10	0.00E+00	0.00E+00	7.67E-10
3660	419319.7	3740222	2.04E-09	5.10E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09

3709	420105.5	3740879	2.82E-09	7.02E-09	0.00E+00	0.00E+00	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	7.02E-09	0.00E+00	0.00E+00	9.84E-09	3.54E-10	6.88E-10	0.00E+00	0.00E+00	1.04E-09
3710	420095.7	3740877	2.78E-09	6.93E-09	0.00E+00	0.00E+00	9.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	6.93E-09	0.00E+00	0.00E+00	9.71E-09	3.50E-10	6.79E-10	0.00E+00	0.00E+00	1.03E-09
3711	420085.9	3740876	2.75E-09	6.84E-09	0.00E+00	0.00E+00	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	6.84E-09	0.00E+00	0.00E+00	9.59E-09	3.45E-10	6.70E-10	0.00E+00	0.00E+00	1.02E-09
3712	420076.1	3740875	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	3.41E-10	6.62E-10	0.00E+00	0.00E+00	1.00E-09
3713	420066.3	3740873	2.68E-09	6.68E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	6.68E-09	0.00E+00	0.00E+00	9.36E-09	3.37E-10	6.54E-10	0.00E+00	0.00E+00	9.91E-10
3714	420056.5	3740872	2.65E-09	6.60E-09	0.00E+00	0.00E+00	9.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	6.60E-09	0.00E+00	0.00E+00	9.25E-09	3.33E-10	6.46E-10	0.00E+00	0.00E+00	9.79E-10
3715	420046.7	3740871	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.15E-09	3.29E-10	6.39E-10	0.00E+00	0.00E+00	9.68E-10
3716	420036.9	3740869	2.59E-09	6.46E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	6.46E-09	0.00E+00	0.00E+00	9.05E-09	3.26E-10	6.32E-10	0.00E+00	0.00E+00	9.58E-10
3717	420027.1	3740868	2.56E-09	6.39E-09	0.00E+00	0.00E+00	8.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	6.39E-09	0.00E+00	0.00E+00	8.95E-09	3.22E-10	6.25E-10	0.00E+00	0.00E+00	9.48E-10
3718	420017.3	3740867	2.54E-09	6.32E-09	0.00E+00	0.00E+00	8.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	6.32E-09	0.00E+00	0.00E+00	8.85E-09	3.19E-10	6.19E-10	0.00E+00	0.00E+00	9.38E-10
3719	420007.6	3740865	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.76E-09	3.15E-10	6.12E-10	0.00E+00	0.00E+00	9.28E-10
3720	419997.8	3740864	2.48E-09	6.19E-09	0.00E+00	0.00E+00	8.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	6.19E-09	0.00E+00	0.00E+00	8.67E-09	3.12E-10	6.06E-10	0.00E+00	0.00E+00	9.18E-10
3721	419988	3740863	2.46E-09	6.13E-09	0.00E+00	0.00E+00	8.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-09	6.13E-09	0.00E+00	0.00E+00	8.59E-09	3.09E-10	6.00E-10	0.00E+00	0.00E+00	9.09E-10
3722	419978.2	3740861	2.43E-09	6.07E-09	0.00E+00	0.00E+00	8.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	6.07E-09	0.00E+00	0.00E+00	8.50E-09	3.06E-10	5.94E-10	0.00E+00	0.00E+00	9.00E-10
3723	419968.4	3740860	2.41E-09	6.01E-09	0.00E+00	0.00E+00	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	6.01E-09	0.00E+00	0.00E+00	8.42E-09	3.03E-10	5.89E-10	0.00E+00	0.00E+00	8.92E-10
3724	419958.6	3740859	2.39E-09	5.96E-09	0.00E+00	0.00E+00	8.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-09	5.96E-09	0.00E+00	0.00E+00	8.35E-09	3.01E-10	5.83E-10	0.00E+00	0.00E+00	8.84E-10
3725	419948.8	3740857	2.37E-09	5.90E-09	0.00E+00	0.00E+00	8.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-09	5.90E-09	0.00E+00	0.00E+00	8.27E-09	2.98E-10	5.78E-10	0.00E+00	0.00E+00	8.76E-10
3726	419939	3740856	2.35E-09	5.85E-09	0.00E+00	0.00E+00	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.85E-09	0.00E+00	0.00E+00	8.20E-09	2.95E-10	5.73E-10	0.00E+00	0.00E+00	8.68E-10
3727	419929.2	3740855	2.33E-09	5.80E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.80E-09	0.00E+00	0.00E+00	8.12E-09	2.93E-10	5.68E-10	0.00E+00	0.00E+00	8.60E-10
3728	419919.4	3740853	2.30E-09	5.74E-09	0.00E+00	0.00E+00	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	5.74E-09	0.00E+00	0.00E+00	8.05E-09	2.90E-10	5.62E-10	0.00E+00	0.00E+00	8.52E-10
3729	419909.6	3740852	2.28E-09	5.69E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	5.69E-09	0.00E+00	0.00E+00	7.97E-09	2.87E-10	5.57E-10	0.00E+00	0.00E+00	8.44E-10
3730	419899.8	3740851	2.26E-09	5.64E-09	0.00E+00	0.00E+00	7.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	5.64E-09	0.00E+00	0.00E+00	7.90E-09	2.84E-10	5.52E-10	0.00E+00	0.00E+00	8.37E-10
3731	419890.1	3740849	2.24E-09	5.59E-09	0.00E+00	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	5.59E-09	0.00E+00	0.00E+00	7.83E-09	2.82E-10	5.47E-10	0.00E+00	0.00E+00	8.29E-10
3732	419880.3	3740848	2.22E-09	5.53E-09	0.00E+00	0.00E+00	7.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	5.53E-09	0.00E+00	0.00E+00	7.75E-09	2.79E-10	5.42E-10	0.00E+00	0.00E+00	8.21E-10
3733	419870.5	3740847	2.20E-09	5.49E-09	0.00E+00	0.00E+00	7.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	5.49E-09	0.00E+00	0.00E+00	7.69E-09	2.77E-10	5.37E-10	0.00E+00	0.00E+00	8.14E-10
3734	419860.7	3740845	2.18E-09	5.44E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	5.44E-09	0.00E+00	0.00E+00	7.62E-09	2.75E-10	5.33E-10	0.00E+00	0.00E+00	8.07E-10
3735	419850.9	3740844	2.16E-09	5.40E-09	0.00E+00	0.00E+00	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-09	5.40E-09	0.00E+00	0.00E+00	7.56E-09	2.72E-10	5.28E-10	0.00E+00	0.00E+00	8.01E-10
3736	419841.1	3740843	2.15E-09	5.35E-09	0.00E+00	0.00E+00	7.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	5.35E-09	0.00E+00	0.00E+00	7.50E-09	2.70E-10	5.24E-10	0.00E+00	0.00E+00	7.95E-10
3737	419831.3	3740841	2.13E-09	5.32E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	5.32E-09	0.00E+00	0.00E+00	7.45E-09	2.68E-10	5.20E-10	0.00E+00	0.00E+00	7.89E-10
3738	419821.5	3740840	2.12E-09	5.28E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	5.28E-09	0.00E+00	0.00E+00	7.39E-09	2.66E-10	5.17E-10	0.00E+00	0.00E+00	7.83E-10
3739	419811.7	3740839	2.10E-09	5.24E-09	0.00E+00	0.00E+00	7.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	5.24E-09	0.00E+00	0.00E+00	7.34E-09	2.64E-10	5.13E-10	0.00E+00	0.00E+00	7.77E-10
3740	419801.9	3740837	2.09E-09	5.20E-09	0.00E+00	0.00E+00	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	5.20E-09	0.00E+00	0.00E+00	7.28E-09	2.62E-10	5.09E-10	0.00E+00	0.00E+00	7.71E-10
3741	419792.1	3740836	2.07E-09	5.16E-09	0.00E+00	0.00E+00	7.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-09	5.16E-09	0.00E+00	0.00E+00	7.23E-09	2.60E-10	5.05E-10	0.00E+00	0.00E+00	7.65E-10
3742	419577.3	3740791	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	2.26E-10	4.39E-10	0.00E+00	0.00E+00	6.65E-10
3743	419572.8	3740782	1.82E-09	4.52E-09	0.00E+00	0.00E+00	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	4.52E-09	0.00E+00	0.00E+00	6.34E-09	2.28E-10	4.43E-10	0.00E+00	0.00E+00	6.71E-10
3744	419568.2	3740773	1.83E-09	4.57E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	4.57E-09	0.00E+00	0.00E+00	6.40E-09	2.30E-10	4.47E-10	0.00E+00	0.00E+00	6.78E-10
3745	419563.6	3740764	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.46E-09	2.33E-10	4.52E-10	0.00E+00	0.00E+00	6.84E-10
3746	419559	3740755	1.87E-09	4.66E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	4.66E-09	0.00E+00	0.00E+00	6.52E-09	2.35E-10	4.56E-10	0.00E+00	0.00E+00	6.91E-10
3747	419554.4	3740747	1.89E-09	4.70E-09	0.00E+00	0.00E+00	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	4.70E-09	0.00E+00	0.00E+00	6.59E-09	2.37E-10	4.61E-10	0.00E+00	0.00E+00	6.98E-10
3748	419549.8	3740738	1.91E-09	4.75E-09	0.00E+00	0.00E+00	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.75E-09	0.00E+00	0.00E+00	6.66E-09	2.40E-10	4.65E-10	0.00E+00	0.00E+00	7.05E-10
3749	419545.3	3740729	1.93E-09	4.80E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	4.80E-09	0.00E+00	0.00E+00	6.72E-09	2.42E-10	4.70E-10	0.00E+00	0.00E+00	7.12E-10
3750	419540.7	3740720	1.94E-09	4.85E-09	0.00E+00	0.00E+00	6.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	4.85E-09	0.00E+00	0.00E+00	6.79E-09	2.45E-10	4.75E-10	0.00E+00	0.00E+00	7.19E-10
3751	419536.1	3740712	1.96E-09	4.90E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	4.90E-09	0.00E+00	0.00E+00	6.86E-09	2.47E-10	4.79E-10	0.00E+00	0.00E+00	7.26E-10
3752	419531.5	3740703	1.98E-09	4.94E-09	0.00E+00	0.00E+00	6.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	4.94E-09	0.00E+00	0.00E+00	6.93E-09	2.49E-10	4.84E-10	0.00E+00	0.00E+00	7.33E-10
3753	419526.9	3740694	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	2.52E-10	4.88E-10	0.00E+00	0.00E+00	7.40E-10
3754	419522.4	3740685	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	2.54E-10	4.93E-10	0.00E+00	0.00E+00	7.47E-10
3755	419517.8	3740677	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.12E-09	2.57E-10	4.98E-10	0.00E+00	0.00E+00	7.54E-10
3756	419513.2	3740668	2.06E-09	5.13E-09	0.00E+00	0.00E+00	7.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.13E-09	0.00E+00	0.00E+00	7.19E-09	2.59E-10	5.03E-10	0.00E+00	0.00E+00	7.62E-10
3757	419508.6	3740659	2.08E-09	5.18E-09	0.00E+00	0.00E+00	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	5.18E-09	0.00E+00	0.00E+00	7.26E-09	2.62E-10	5.07E-10	0.00E+00	0.00E+00	7.69E-10
3758	419504	3740650	2.10E-09	5.23E-09	0.00E+00	0.00E+00	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	5.23E-09	0.00E+00	0.00E+00	7.33E-09	2.64E-10	5.12E-10	0.00E+00	0.00E+00	7.76E-10
3759	419499.4	3740642	2.12E-09	5.27E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	5.27E-09	0.00E+00	0.00E+00	7.39E-09	2.66E-10	5.16E-10	0.00E+00	0.00E+00	7.82E-10
3760	419494.9	3740633	2.13E-09	5.32E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	5.32E-09	0.00E+00	0.00E+00	7.45E-09	2.68E-10	5.21E-10	0.00E+00	0.00E+00	7.89E-10
3761	419490.3	3740624	2.15E-09	5.36E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	5.36E-09	0.00E+00	0.00E+00	7.51E-09	2.70E-10	5.25E-10	0.00E+00	0.00E+00	7.95E-10
3762	419485.7	3740615	2.17E-09	5.40E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	5.40E-09	0.00E+00	0.00E+00	7.57E-09	2.72E-10	5.29E-10	0.00E+00	0.00E+00	8.01E-10
3763	419481.1	3740607	2.18E-09	5.44E-09	0.00E+00	0.00E+00	7.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-09	5.44E-09	0.00E+00	0.00E+00	7.62E-09	2.75E-10	5.33E-10	0.00E+00	0.00E+00	8.07E-10
3764	419462.8	3740572	2.25E-09	5.61E-09	0.00E+00	0.00E+00	7.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-09	5.61E-09	0.00E+00	0.00E+00	7.86E-09	2.83E-10	5.49E-10	0.00E+00	0.00E+00	8.32E-10
3765	419458.2	3740563	2.27E-09	5.65E-09	0.00E+00	0.00E+00	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	5.65E-09	0.00E+00	0.00E+00	7.92E-09	2.85E-10	5.53E-10	0.00E+00	0.00E+00	8.38E-10
3766	419453.6	3740554	2.28E-09	5.69E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	5.69E-09	0.00E+00	0.00E+00	7.97E-09	2.87E-10	5.57E-10	0.00E+00	0.00E+00	8.44E-10
3767	419449	3740545	2.29E-09	5.72E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	5.72E-09	0.00E+00	0.00E+00	8.01E-09	2.89E-10	5.60E-10	0.00E+00	0.00E+00	8.48E-10
3768	419444.5	3740537	2.30E-09	5.74E-09	0.00E+00	0.00E+00	8.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-09	5.74E-09	0.00E+00	0.00E+00	8.05E-09	2.90E-10	5.62E-10	0.00E+00	0.00E+00	8.52E-10
3769	419439.9	3740528	2.31E-09	5.76E-09	0.00E+00	0.00E+00	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	5.76E-09	0.00E+00	0.00E+00	8.08E-09	2.91E-10	5.64E-10	0.00E+00	0.00E+00	8.55E-10
3770	419435.3	3740519	2.32E-09	5.78E-09	0.00E+00	0.00E+00	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-09	5.78E-09	0.00E+00	0.00E+00	8.10E-09	2.92E-10	5.66E-10	0.00E+00	0.00E+00	8.58E-10
3771	419430.7	3740510	2.33E-09	5.80E-09	0.00E+00	0.00E+00	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.80E-09	0.00E+00	0.00E+00	8.13E-09	2.93E-10	5.68E-10	0.00E+00	0.00E+00	8.61E-10
3772	419426.1	3740502	2.34E-09	5.82E-09	0.00E+00	0.00E+00	8.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	5.82E-09	0.00E+00	0.00E+00	8.16E-09	2.94E-10	5.70E-10	0.00E+00	0.00E+00	8.64E-10
3773	419421.5	3740493	2.34E-09	5.83E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	5.83E-09	0.00E+00	0.00E+00	8.18E-09	2.94E-10	5.71E-10	0.00E+00	0.00E+00	8.66E-10
3774	419417	3740484	2.35E-09	5.85E-09	0.00E+00	0.00E+00	8.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.85E-09	0.00E+00	0.00E+00	8.19E-09	2.95E-10	5.73E-10	0.00E+00	0.00E+00	8.68E-10
3775	419412.4	3740475	2.35E-09	5.86E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.86E-09	0.00E+00	0.00E+00	8.21E-09	2.96E-10	5.74E-10	0.00E+00	0.00E+00	8.69E-10
3776	419407.8	3740467	2.35E-09	5.86E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.86E-09	0.00E+00	0.00E+00	8.22E-09	2.96E-10	5.74E-10	0.00E+00	0.00E+00	8.70E-10
3777	419403.2	3740458	2.35E-09	5.87E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.87E-09	0.00E+00	0.00E+00	8.22E-09	2.96E-10	5.75E-10	0.00E+00	0.00E+00	8.71E-10
3778	419398.6	3740449	2.35E-09	5.87E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.87E-09	0.00E+00	0.00E+00	8.22E-09	2.96E-10	5.74E-10	0.00E+00	0.00E+00	8.71E-10
3779	419394	3740440	2.35E-09	5.86E-09	0.00E+00	0.00E+00	8.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.86E-09	0.00E+00	0.00E+00	8.21E-09	2.96E-10	5.74E-10	0.00E+00	0.00E+00	8.70E-10
3780	419389.5	3740432	2.35E-09	5.85E-09	0.00E+00	0.00E+00	8.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.85E-09	0.00E+00	0.00E+00	8.20E-09	2.95E-10	5.73E-10	0.00E+00	0.00E+00	8.68E-10
3781	419384.9	3740423	2.34E-09	5.84E-09	0.00E+00	0.00E+00	8.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-09	5.84E-09	0.00E+00	0.00E+00	8.18E-09	2.95E-10	5.72E-10	0.00E+00	0.00E+00	8.66E-10
3782	419380.3	3740414	2.33E-09	5.82E-09	0.00E+00	0.00E+00	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.82E-09	0.00E+00	0.00E+00	8.15E-09	2.94E-10	5.70E-10	0.00E+00	0.00E+00	8.63E-10
3783	419375.7	3740405	2.33E-09	5.79E-09	0.00E+00	0.00E+00	8.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.79E-09	0.00E+00	0.00E+00	8.12E-09	2.92E-10	5.67E-10	0.00E+00	0.00E+00	8.60E-10
3784	419371.1	3740397	2.31E-09	5.77E-09	0.00E+00	0.00E+00	8.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	5.77E-09	0.00E+00	0.00E+00	8.08E-09	2.91E-10	5.65E-10	0.00E+00	0.00E+00	8.56E-10
3785	419352.8	3740361	2.26E-09	5.62E-09	0.00E+00	0.00E+00	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	5.62E-09	0.00E+00	0.00E+00	7.88E-09	2.84E-10	5.50E-10	0.00E+00	0.00E+00	8.34E-10
3786	419348.2	3740353	2.24E-09	5.58E-09	0.00E+00	0.00E+00	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	5.58E-09	0.00E+00	0.00E+00	7.81E-09	2.81E-10	5.46E-10	0.00E+00	0.00E+00	8.27E-10
3787	419343.6	3740344	2.22E-09	5.53E-09	0.00E+00	0.00E+00	7.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	5.53E-09	0.00E+00	0.00E+00	7.74E-09	2.79E-10	5.41E-10	0.00E+00	0.00E+00	8.20E-10
3788	419339.1	3740335	2.20E-09	5.48E-09	0.00E+00	0.00E+00	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-09	5.48E-09	0

3837	420266.1	3740936	3.20E-09	7.98E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-09	7.98E-09	0.00E+00	0.00E+00	1.12E-08	4.03E-10	7.82E-10	0.00E+00	0.00E+00	1.18E-09
3838	420256.3	3740935	3.17E-09	7.89E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-09	7.89E-09	0.00E+00	0.00E+00	1.11E-08	3.98E-10	7.73E-10	0.00E+00	0.00E+00	1.17E-09
3839	420217.3	3740930	3.02E-09	7.53E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-09	7.53E-09	0.00E+00	0.00E+00	1.06E-08	3.80E-10	7.37E-10	0.00E+00	0.00E+00	1.12E-09
3840	420207.5	3740928	2.99E-09	7.44E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-09	7.44E-09	0.00E+00	0.00E+00	1.04E-08	3.75E-10	7.29E-10	0.00E+00	0.00E+00	1.10E-09
3841	420197.8	3740927	2.95E-09	7.35E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	7.35E-09	0.00E+00	0.00E+00	1.03E-08	3.71E-10	7.20E-10	0.00E+00	0.00E+00	1.09E-09
3842	420188	3740926	2.91E-09	7.26E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	7.26E-09	0.00E+00	0.00E+00	1.02E-08	3.66E-10	7.11E-10	0.00E+00	0.00E+00	1.08E-09
3843	420178.3	3740924	2.88E-09	7.17E-09	0.00E+00	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	7.17E-09	0.00E+00	0.00E+00	1.00E-08	3.62E-10	7.02E-10	0.00E+00	0.00E+00	1.06E-09
3844	420168.5	3740923	2.84E-09	7.08E-09	0.00E+00	0.00E+00	9.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-09	7.08E-09	0.00E+00	0.00E+00	9.92E-09	3.57E-10	6.93E-10	0.00E+00	0.00E+00	1.05E-09
3845	420158.7	3740922	2.81E-09	6.99E-09	0.00E+00	0.00E+00	9.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-09	6.99E-09	0.00E+00	0.00E+00	9.80E-09	3.53E-10	6.85E-10	0.00E+00	0.00E+00	1.04E-09
3846	420149	3740920	2.77E-09	6.91E-09	0.00E+00	0.00E+00	9.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	6.91E-09	0.00E+00	0.00E+00	9.68E-09	3.48E-10	6.76E-10	0.00E+00	0.00E+00	1.02E-09
3847	420139.2	3740919	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.82E-09	0.00E+00	0.00E+00	9.56E-09	3.44E-10	6.68E-10	0.00E+00	0.00E+00	1.01E-09
3848	420129.5	3740918	2.70E-09	6.73E-09	0.00E+00	0.00E+00	9.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-09	6.73E-09	0.00E+00	0.00E+00	9.44E-09	3.40E-10	6.59E-10	0.00E+00	0.00E+00	9.99E-10
3849	420119.7	3740916	2.67E-09	6.65E-09	0.00E+00	0.00E+00	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-09	6.65E-09	0.00E+00	0.00E+00	9.32E-09	3.35E-10	6.51E-10	0.00E+00	0.00E+00	9.86E-10
3850	420110	3740915	2.63E-09	6.56E-09	0.00E+00	0.00E+00	9.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09	6.56E-09	0.00E+00	0.00E+00	9.20E-09	3.31E-10	6.43E-10	0.00E+00	0.00E+00	9.74E-10
3851	420100.2	3740914	2.60E-09	6.48E-09	0.00E+00	0.00E+00	9.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-09	6.48E-09	0.00E+00	0.00E+00	9.08E-09	3.27E-10	6.35E-10	0.00E+00	0.00E+00	9.62E-10
3852	420090.4	3740913	2.57E-09	6.40E-09	0.00E+00	0.00E+00	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-09	6.40E-09	0.00E+00	0.00E+00	8.97E-09	3.23E-10	6.27E-10	0.00E+00	0.00E+00	9.50E-10
3853	420080.7	3740911	2.54E-09	6.33E-09	0.00E+00	0.00E+00	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-09	6.33E-09	0.00E+00	0.00E+00	8.86E-09	3.19E-10	6.19E-10	0.00E+00	0.00E+00	9.39E-10
3854	420070.9	3740910	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-09	6.25E-09	0.00E+00	0.00E+00	8.76E-09	3.15E-10	6.12E-10	0.00E+00	0.00E+00	9.28E-10
3855	420061.2	3740909	2.48E-09	6.18E-09	0.00E+00	0.00E+00	8.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09	6.18E-09	0.00E+00	0.00E+00	8.66E-09	3.12E-10	6.05E-10	0.00E+00	0.00E+00	9.17E-10
3856	420051.4	3740907	2.45E-09	6.11E-09	0.00E+00	0.00E+00	8.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-09	6.11E-09	0.00E+00	0.00E+00	8.56E-09	3.08E-10	5.99E-10	0.00E+00	0.00E+00	9.07E-10
3857	420041.7	3740906	2.43E-09	6.05E-09	0.00E+00	0.00E+00	8.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-09	6.05E-09	0.00E+00	0.00E+00	8.47E-09	3.05E-10	5.92E-10	0.00E+00	0.00E+00	8.97E-10
3858	420031.9	3740905	2.40E-09	5.99E-09	0.00E+00	0.00E+00	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-09	5.99E-09	0.00E+00	0.00E+00	8.39E-09	3.02E-10	5.86E-10	0.00E+00	0.00E+00	8.88E-10
3859	420022.1	3740903	2.38E-09	5.92E-09	0.00E+00	0.00E+00	8.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	5.92E-09	0.00E+00	0.00E+00	8.30E-09	2.99E-10	5.80E-10	0.00E+00	0.00E+00	8.79E-10
3860	420012.4	3740902	2.35E-09	5.87E-09	0.00E+00	0.00E+00	8.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-09	5.87E-09	0.00E+00	0.00E+00	8.22E-09	2.96E-10	5.74E-10	0.00E+00	0.00E+00	8.70E-10
3861	420002.6	3740901	2.33E-09	5.81E-09	0.00E+00	0.00E+00	8.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.81E-09	0.00E+00	0.00E+00	8.14E-09	2.93E-10	5.69E-10	0.00E+00	0.00E+00	8.62E-10
3862	419992.9	3740899	2.31E-09	5.75E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	5.75E-09	0.00E+00	0.00E+00	8.06E-09	2.90E-10	5.63E-10	0.00E+00	0.00E+00	8.53E-10
3863	419983.1	3740898	2.29E-09	5.70E-09	0.00E+00	0.00E+00	7.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-09	5.70E-09	0.00E+00	0.00E+00	7.98E-09	2.88E-10	5.58E-10	0.00E+00	0.00E+00	8.45E-10
3864	419973.3	3740897	2.27E-09	5.65E-09	0.00E+00	0.00E+00	7.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-09	5.65E-09	0.00E+00	0.00E+00	7.91E-09	2.85E-10	5.53E-10	0.00E+00	0.00E+00	8.38E-10
3865	419963.6	3740895	2.24E-09	5.60E-09	0.00E+00	0.00E+00	7.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	5.60E-09	0.00E+00	0.00E+00	7.84E-09	2.82E-10	5.48E-10	0.00E+00	0.00E+00	8.30E-10
3866	419953.8	3740894	2.23E-09	5.55E-09	0.00E+00	0.00E+00	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09	5.55E-09	0.00E+00	0.00E+00	7.77E-09	2.80E-10	5.43E-10	0.00E+00	0.00E+00	8.23E-10
3867	419944.1	3740893	2.21E-09	5.50E-09	0.00E+00	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-09	5.50E-09	0.00E+00	0.00E+00	7.70E-09	2.77E-10	5.38E-10	0.00E+00	0.00E+00	8.16E-10
3868	419934.3	3740891	2.19E-09	5.45E-09	0.00E+00	0.00E+00	7.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	5.45E-09	0.00E+00	0.00E+00	7.64E-09	2.75E-10	5.34E-10	0.00E+00	0.00E+00	8.09E-10
3869	419924.6	3740890	2.17E-09	5.41E-09	0.00E+00	0.00E+00	7.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	5.41E-09	0.00E+00	0.00E+00	7.57E-09	2.73E-10	5.29E-10	0.00E+00	0.00E+00	8.02E-10
3870	419914.8	3740889	2.15E-09	5.36E-09	0.00E+00	0.00E+00	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	5.36E-09	0.00E+00	0.00E+00	7.51E-09	2.70E-10	5.25E-10	0.00E+00	0.00E+00	7.95E-10
3871	419905	3740887	2.13E-09	5.31E-09	0.00E+00	0.00E+00	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	5.31E-09	0.00E+00	0.00E+00	7.44E-09	2.68E-10	5.20E-10	0.00E+00	0.00E+00	7.88E-10
3872	419895.3	3740886	2.11E-09	5.27E-09	0.00E+00	0.00E+00	7.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-09	5.27E-09	0.00E+00	0.00E+00	7.38E-09	2.66E-10	5.16E-10	0.00E+00	0.00E+00	7.81E-10
3873	419885.5	3740885	2.09E-09	5.22E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-09	5.22E-09	0.00E+00	0.00E+00	7.32E-09	2.63E-10	5.11E-10	0.00E+00	0.00E+00	7.75E-10
3874	419875.8	3740883	2.08E-09	5.18E-09	0.00E+00	0.00E+00	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	5.18E-09	0.00E+00	0.00E+00	7.26E-09	2.61E-10	5.07E-10	0.00E+00	0.00E+00	7.68E-10
3875	419866	3740882	2.06E-09	5.14E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.14E-09	0.00E+00	0.00E+00	7.20E-09	2.59E-10	5.03E-10	0.00E+00	0.00E+00	7.62E-10
3876	419856.3	3740881	2.04E-09	5.10E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.10E-09	0.00E+00	0.00E+00	7.14E-09	2.57E-10	4.99E-10	0.00E+00	0.00E+00	7.56E-10
3877	419846.5	3740879	2.03E-09	5.06E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	5.06E-09	0.00E+00	0.00E+00	7.09E-09	2.55E-10	4.95E-10	0.00E+00	0.00E+00	7.50E-10
3878	419788	3740871	1.94E-09	4.83E-09	0.00E+00	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	4.83E-09	0.00E+00	0.00E+00	6.77E-09	2.44E-10	4.73E-10	0.00E+00	0.00E+00	7.17E-10
3879	419778.2	3740870	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.72E-09	2.42E-10	4.69E-10	0.00E+00	0.00E+00	7.11E-10
3880	419729.4	3740863	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.45E-09	2.32E-10	4.51E-10	0.00E+00	0.00E+00	6.83E-10
3881	419719.6	3740862	1.84E-09	4.57E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.57E-09	0.00E+00	0.00E+00	6.41E-09	2.31E-10	4.48E-10	0.00E+00	0.00E+00	6.79E-10
3882	419709.9	3740861	1.82E-09	4.54E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	4.54E-09	0.00E+00	0.00E+00	6.37E-09	2.29E-10	4.45E-10	0.00E+00	0.00E+00	6.74E-10
3883	419700.1	3740859	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	2.28E-10	4.42E-10	0.00E+00	0.00E+00	6.69E-10
3884	419690.4	3740858	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	2.26E-10	4.39E-10	0.00E+00	0.00E+00	6.65E-10
3885	419680.6	3740857	1.78E-09	4.45E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	4.45E-09	0.00E+00	0.00E+00	6.23E-09	2.24E-10	4.35E-10	0.00E+00	0.00E+00	6.60E-10
3886	419670.9	3740855	1.77E-09	4.41E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	4.41E-09	0.00E+00	0.00E+00	6.19E-09	2.23E-10	4.32E-10	0.00E+00	0.00E+00	6.55E-10
3887	419661.1	3740854	1.76E-09	4.38E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	4.38E-09	0.00E+00	0.00E+00	6.14E-09	2.21E-10	4.29E-10	0.00E+00	0.00E+00	6.50E-10
3888	419651.3	3740853	1.74E-09	4.35E-09	0.00E+00	0.00E+00	6.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	4.35E-09	0.00E+00	0.00E+00	6.09E-09	2.19E-10	4.26E-10	0.00E+00	0.00E+00	6.45E-10
3889	419641.6	3740851	1.73E-09	4.32E-09	0.00E+00	0.00E+00	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	4.32E-09	0.00E+00	0.00E+00	6.05E-09	2.18E-10	4.23E-10	0.00E+00	0.00E+00	6.40E-10
3890	419631.8	3740850	1.72E-09	4.28E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	4.28E-09	0.00E+00	0.00E+00	6.00E-09	2.16E-10	4.20E-10	0.00E+00	0.00E+00	6.36E-10
3891	419622.1	3740849	1.71E-09	4.25E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	4.25E-09	0.00E+00	0.00E+00	5.96E-09	2.15E-10	4.17E-10	0.00E+00	0.00E+00	6.31E-10
3892	419612.3	3740847	1.70E-09	4.23E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	4.23E-09	0.00E+00	0.00E+00	5.92E-09	2.13E-10	4.14E-10	0.00E+00	0.00E+00	6.27E-10
3893	419602.6	3740846	1.68E-09	4.20E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	4.20E-09	0.00E+00	0.00E+00	5.88E-09	2.12E-10	4.11E-10	0.00E+00	0.00E+00	6.23E-10
3894	419592.8	3740845	1.67E-09	4.17E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	4.17E-09	0.00E+00	0.00E+00	5.84E-09	2.10E-10	4.08E-10	0.00E+00	0.00E+00	6.18E-10
3895	419583	3740843	1.66E-09	4.14E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	4.14E-09	0.00E+00	0.00E+00	5.80E-09	2.09E-10	4.05E-10	0.00E+00	0.00E+00	6.14E-10
3896	419573.3	3740842	1.65E-09	4.11E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	4.11E-09	0.00E+00	0.00E+00	5.76E-09	2.07E-10	4.02E-10	0.00E+00	0.00E+00	6.10E-10
3897	419559	3740832	1.65E-09	4.12E-09	0.00E+00	0.00E+00	5.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	4.12E-09	0.00E+00	0.00E+00	5.78E-09	2.08E-10	4.04E-10	0.00E+00	0.00E+00	6.12E-10
3898	419554.4	3740823	1.67E-09	4.16E-09	0.00E+00	0.00E+00	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	4.16E-09	0.00E+00	0.00E+00	5.83E-09	2.10E-10	4.08E-10	0.00E+00	0.00E+00	6.18E-10
3899	419536.1	3740788	1.73E-09	4.32E-09	0.00E+00	0.00E+00	6.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	4.32E-09	0.00E+00	0.00E+00	6.06E-09	2.18E-10	4.23E-10	0.00E+00	0.00E+00	6.42E-10
3900	419531.6	3740780	1.75E-09	4.36E-09	0.00E+00	0.00E+00	6.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	4.36E-09	0.00E+00	0.00E+00	6.12E-09	2.20E-10	4.27E-10	0.00E+00	0.00E+00	6.48E-10
3901	419527	3740771	1.77E-09	4.41E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	4.41E-09	0.00E+00	0.00E+00	6.17E-09	2.22E-10	4.31E-10	0.00E+00	0.00E+00	6.54E-10
3902	419522.4	3740762	1.78E-09	4.45E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	4.45E-09	0.00E+00	0.00E+00	6.23E-09	2.24E-10	4.36E-10	0.00E+00	0.00E+00	6.60E-10
3903	419517.9	3740754	1.80E-09	4.49E-09	0.00E+00	0.00E+00	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.49E-09	0.00E+00	0.00E+00	6.29E-09	2.27E-10	4.40E-10	0.00E+00	0.00E+00	6.66E-10
3904	419513.3	3740745	1.82E-09	4.53E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	4.53E-09	0.00E+00	0.00E+00	6.35E-09	2.29E-10	4.44E-10	0.00E+00	0.00E+00	6.73E-10
3905	419508.7	3740736	1.84E-09	4.57E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.57E-09	0.00E+00	0.00E+00	6.41E-09	2.31E-10	4.48E-10	0.00E+00	0.00E+00	6.79E-10
3906	419504.2	3740727	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.47E-09	2.33E-10	4.52E-10	0.00E+00	0.00E+00	6.85E-10
3907	419499.6	3740719	1.87E-09	4.66E-09	0.00E+00	0.00E+00	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	4.66E-09	0.00E+00	0.00E+00	6.52E-09	2.35E-10	4.56E-10	0.00E+00	0.00E+00	6.91E-10
3908	419495	3740710	1.88E-09	4.70E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	4.70E-09	0.00E+00	0.00E+00	6.58E-09	2.37E-10	4.60E-10	0.00E+00	0.00E+00	6.97E-10
3909	419490.5	3740701	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	2.39E-10	4.64E-10	0.00E+00	0.00E+00	7.03E-10
3910	419485.9	3740692	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.71E-09	2.41E-10	4.69E-10	0.00E+00	0.00E+00	7.10E-10
3911	419481.3	3740684	1.94E-09	4.83E-09	0.00E+00	0.00E+00	6.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	4.83E-09	0.00E+00	0.00E+00	6.77E-09	2.44E-10	4.73E-10	0.00E+00	0.00E+00	7.17E-10
3912	419476.8	3740675	1.96E-09	4.87E-09	0.00E+00	0.00E+00	6.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	4.87E-09	0.00E+00	0.00E+00	6.83E-09	2.46E-10	4.77E-10	0.00E+00	0.00E+00	7.23E-10
3913	419472.2	3740666	1.97E-09	4.91E-09	0.00E+00	0.00E+00	6.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-09	4.91E-09	0.00E+00	0.00E+00	6.89E-09	2.48E-10	4.81E-10	0.00E+00	0.00E+00	7.29E-10
3914	419467.6	3740658	1.99E-09	4.95E-09	0.00E+00	0.00E+00	6.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	4.95E-09	0.00E+00	0.00E+00	6.94E-09	2.50E-10	4.85E-10	0.00E+00	0.00E+00	7.35E-10
3915	419463.1	3740649	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	2.52E-10	4.89E-10	0.00E+00	0.00E+00	7.41E-10
3916	419458.5	3740640	2.02E-09	5.03E-09	0.00E+00	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	5.03E-09	0.00E+00

3965	419211.9	3740169	1.61E-09	4.01E-09	0.00E+00	0.00E+00	5.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	4.01E-09	0.00E+00	0.00E+00	5.61E-09	2.02E-10	3.92E-10	0.00E+00	0.00E+00	5.94E-10
3966	419207.4	3740160	1.59E-09	3.96E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	3.96E-09	0.00E+00	0.00E+00	5.54E-09	2.00E-10	3.87E-10	0.00E+00	0.00E+00	5.87E-10
3967	419202.8	3740151	1.57E-09	3.91E-09	0.00E+00	0.00E+00	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	3.91E-09	0.00E+00	0.00E+00	5.48E-09	1.97E-10	3.83E-10	0.00E+00	0.00E+00	5.80E-10
3968	419198.2	3740143	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.41E-09	1.95E-10	3.78E-10	0.00E+00	0.00E+00	5.73E-10
3969	419193.7	3740134	1.53E-09	3.81E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	3.81E-09	0.00E+00	0.00E+00	5.34E-09	1.92E-10	3.73E-10	0.00E+00	0.00E+00	5.66E-10
3970	420363.7	3740950	3.54E-09	8.82E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-09	8.82E-09	0.00E+00	0.00E+00	1.24E-08	4.45E-10	8.63E-10	0.00E+00	0.00E+00	1.31E-09
3971	420373	3740946	3.60E-09	8.98E-09	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-09	8.98E-09	0.00E+00	0.00E+00	1.26E-08	4.53E-10	8.79E-10	0.00E+00	0.00E+00	1.33E-09
3972	420382.4	3740943	3.67E-09	9.14E-09	0.00E+00	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-09	9.14E-09	0.00E+00	0.00E+00	1.28E-08	4.61E-10	8.95E-10	0.00E+00	0.00E+00	1.36E-09
3973	420391.7	3740940	3.73E-09	9.30E-09	0.00E+00	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-09	9.30E-09	0.00E+00	0.00E+00	1.30E-08	4.69E-10	9.11E-10	0.00E+00	0.00E+00	1.38E-09
3974	420401.1	3740936	3.79E-09	9.46E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-09	9.46E-09	0.00E+00	0.00E+00	1.33E-08	4.77E-10	9.26E-10	0.00E+00	0.00E+00	1.40E-09
3975	420410.4	3740933	3.86E-09	9.61E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	9.61E-09	0.00E+00	0.00E+00	1.35E-08	4.85E-10	9.41E-10	0.00E+00	0.00E+00	1.43E-09
3976	420419.8	3740930	3.92E-09	9.77E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	9.77E-09	0.00E+00	0.00E+00	1.37E-08	4.93E-10	9.56E-10	0.00E+00	0.00E+00	1.45E-09
3977	420429.1	3740926	3.98E-09	9.91E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-09	9.91E-09	0.00E+00	0.00E+00	1.39E-08	5.00E-10	9.70E-10	0.00E+00	0.00E+00	1.47E-09
3978	420438.5	3740923	4.03E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	5.07E-10	9.84E-10	0.00E+00	0.00E+00	1.49E-09
3979	420447.8	3740920	4.09E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	5.14E-10	9.98E-10	0.00E+00	0.00E+00	1.51E-09
3980	420457.2	3740916	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	5.21E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
3981	420466.5	3740913	4.20E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	5.28E-10	1.03E-09	0.00E+00	0.00E+00	1.55E-09
3982	420475.8	3740910	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	5.35E-10	1.04E-09	0.00E+00	0.00E+00	1.57E-09
3983	420485.2	3740907	4.31E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.42E-10	1.05E-09	0.00E+00	0.00E+00	1.59E-09
3984	420494.5	3740903	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-09	1.09E-08	0.00E+00	0.00E+00	1.52E-08	5.48E-10	1.06E-09	0.00E+00	0.00E+00	1.61E-09
3985	420503.9	3740900	4.40E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	5.54E-10	1.08E-09	0.00E+00	0.00E+00	1.63E-09
3986	420367.3	3740986	3.28E-09	8.16E-09	0.00E+00	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-09	8.16E-09	0.00E+00	0.00E+00	1.14E-08	4.12E-10	7.99E-10	0.00E+00	0.00E+00	1.21E-09
3987	420357.6	3740985	3.25E-09	8.09E-09	0.00E+00	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-09	8.09E-09	0.00E+00	0.00E+00	1.13E-08	4.08E-10	7.93E-10	0.00E+00	0.00E+00	1.20E-09
3988	420347.9	3740983	3.22E-09	8.02E-09	0.00E+00	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-09	8.02E-09	0.00E+00	0.00E+00	1.12E-08	4.05E-10	7.86E-10	0.00E+00	0.00E+00	1.19E-09
3989	420338.1	3740982	3.19E-09	7.95E-09	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-09	7.95E-09	0.00E+00	0.00E+00	1.11E-08	4.01E-10	7.78E-10	0.00E+00	0.00E+00	1.18E-09
3990	420328.4	3740981	3.16E-09	7.88E-09	0.00E+00	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-09	7.88E-09	0.00E+00	0.00E+00	1.10E-08	3.97E-10	7.71E-10	0.00E+00	0.00E+00	1.17E-09
3991	420318.7	3740979	3.13E-09	7.80E-09	0.00E+00	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-09	7.80E-09	0.00E+00	0.00E+00	1.09E-08	3.94E-10	7.64E-10	0.00E+00	0.00E+00	1.16E-09
3992	420309	3740978	3.10E-09	7.73E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-09	7.73E-09	0.00E+00	0.00E+00	1.08E-08	3.90E-10	7.57E-10	0.00E+00	0.00E+00	1.15E-09
3993	420299.2	3740977	3.07E-09	7.65E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-09	7.65E-09	0.00E+00	0.00E+00	1.07E-08	3.86E-10	7.49E-10	0.00E+00	0.00E+00	1.13E-09
3994	420289.5	3740975	3.04E-09	7.58E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-09	7.58E-09	0.00E+00	0.00E+00	1.06E-08	3.82E-10	7.42E-10	0.00E+00	0.00E+00	1.12E-09
3995	420279.8	3740974	3.01E-09	7.50E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-09	7.50E-09	0.00E+00	0.00E+00	1.05E-08	3.79E-10	7.35E-10	0.00E+00	0.00E+00	1.11E-09
3996	420270.1	3740973	2.98E-09	7.43E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-09	7.43E-09	0.00E+00	0.00E+00	1.04E-08	3.75E-10	7.27E-10	0.00E+00	0.00E+00	1.10E-09
3997	420260.3	3740972	2.95E-09	7.34E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-09	7.34E-09	0.00E+00	0.00E+00	1.03E-08	3.71E-10	7.19E-10	0.00E+00	0.00E+00	1.09E-09
3998	420221.4	3740966	2.82E-09	7.02E-09	0.00E+00	0.00E+00	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	7.02E-09	0.00E+00	0.00E+00	9.83E-09	3.54E-10	6.87E-10	0.00E+00	0.00E+00	1.04E-09
3999	420211.7	3740965	2.78E-09	6.94E-09	0.00E+00	0.00E+00	9.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-09	6.94E-09	0.00E+00	0.00E+00	9.72E-09	3.50E-10	6.79E-10	0.00E+00	0.00E+00	1.03E-09
4000	420202	3740964	2.75E-09	6.86E-09	0.00E+00	0.00E+00	9.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-09	6.86E-09	0.00E+00	0.00E+00	9.61E-09	3.46E-10	6.71E-10	0.00E+00	0.00E+00	1.02E-09
4001	420192.2	3740962	2.72E-09	6.77E-09	0.00E+00	0.00E+00	9.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-09	6.77E-09	0.00E+00	0.00E+00	9.49E-09	3.42E-10	6.63E-10	0.00E+00	0.00E+00	1.01E-09
4002	420182.5	3740961	2.69E-09	6.69E-09	0.00E+00	0.00E+00	9.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-09	6.69E-09	0.00E+00	0.00E+00	9.38E-09	3.38E-10	6.55E-10	0.00E+00	0.00E+00	9.93E-10
4003	420172.8	3740960	2.65E-09	6.61E-09	0.00E+00	0.00E+00	9.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	6.61E-09	0.00E+00	0.00E+00	9.27E-09	3.34E-10	6.48E-10	0.00E+00	0.00E+00	9.81E-10
4004	420163.1	3740958	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.16E-09	3.30E-10	6.40E-10	0.00E+00	0.00E+00	9.69E-10
4005	420153.3	3740957	2.59E-09	6.46E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	6.46E-09	0.00E+00	0.00E+00	9.05E-09	3.26E-10	6.32E-10	0.00E+00	0.00E+00	9.58E-10
4006	420143.6	3740956	2.56E-09	6.38E-09	0.00E+00	0.00E+00	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-09	6.38E-09	0.00E+00	0.00E+00	8.94E-09	3.22E-10	6.25E-10	0.00E+00	0.00E+00	9.47E-10
4007	420133.9	3740954	2.53E-09	6.30E-09	0.00E+00	0.00E+00	8.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-09	6.30E-09	0.00E+00	0.00E+00	8.83E-09	3.18E-10	6.17E-10	0.00E+00	0.00E+00	9.35E-10
4008	420124.2	3740953	2.50E-09	6.23E-09	0.00E+00	0.00E+00	8.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-09	6.23E-09	0.00E+00	0.00E+00	8.73E-09	3.14E-10	6.10E-10	0.00E+00	0.00E+00	9.24E-10
4009	420114.4	3740952	2.47E-09	6.15E-09	0.00E+00	0.00E+00	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-09	6.15E-09	0.00E+00	0.00E+00	8.62E-09	3.11E-10	6.03E-10	0.00E+00	0.00E+00	9.13E-10
4010	420104.7	3740950	2.44E-09	6.08E-09	0.00E+00	0.00E+00	8.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-09	6.08E-09	0.00E+00	0.00E+00	8.52E-09	3.07E-10	5.95E-10	0.00E+00	0.00E+00	9.02E-10
4011	420095	3740949	2.41E-09	6.01E-09	0.00E+00	0.00E+00	8.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	6.01E-09	0.00E+00	0.00E+00	8.42E-09	3.03E-10	5.89E-10	0.00E+00	0.00E+00	8.92E-10
4012	420085.2	3740948	2.38E-09	5.94E-09	0.00E+00	0.00E+00	8.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-09	5.94E-09	0.00E+00	0.00E+00	8.33E-09	3.00E-10	5.82E-10	0.00E+00	0.00E+00	8.82E-10
4013	420075.5	3740946	2.36E-09	5.88E-09	0.00E+00	0.00E+00	8.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-09	5.88E-09	0.00E+00	0.00E+00	8.23E-09	2.96E-10	5.75E-10	0.00E+00	0.00E+00	8.72E-10
4014	420065.8	3740945	2.33E-09	5.81E-09	0.00E+00	0.00E+00	8.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-09	5.81E-09	0.00E+00	0.00E+00	8.14E-09	2.93E-10	5.69E-10	0.00E+00	0.00E+00	8.62E-10
4015	420056.1	3740944	2.31E-09	5.75E-09	0.00E+00	0.00E+00	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	5.75E-09	0.00E+00	0.00E+00	8.06E-09	2.90E-10	5.63E-10	0.00E+00	0.00E+00	8.53E-10
4016	420046.3	3740942	2.28E-09	5.69E-09	0.00E+00	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-09	5.69E-09	0.00E+00	0.00E+00	7.97E-09	2.87E-10	5.57E-10	0.00E+00	0.00E+00	8.44E-10
4017	420036.6	3740941	2.26E-09	5.63E-09	0.00E+00	0.00E+00	7.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	5.63E-09	0.00E+00	0.00E+00	7.89E-09	2.84E-10	5.52E-10	0.00E+00	0.00E+00	8.36E-10
4018	420026.9	3740940	2.24E-09	5.58E-09	0.00E+00	0.00E+00	7.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-09	5.58E-09	0.00E+00	0.00E+00	7.81E-09	2.81E-10	5.46E-10	0.00E+00	0.00E+00	8.28E-10
4019	420017.2	3740938	2.22E-09	5.52E-09	0.00E+00	0.00E+00	7.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-09	5.52E-09	0.00E+00	0.00E+00	7.74E-09	2.79E-10	5.41E-10	0.00E+00	0.00E+00	8.19E-10
4020	420007.4	3740937	2.19E-09	5.47E-09	0.00E+00	0.00E+00	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-09	5.47E-09	0.00E+00	0.00E+00	7.66E-09	2.76E-10	5.35E-10	0.00E+00	0.00E+00	8.11E-10
4021	419997.7	3740936	2.17E-09	5.42E-09	0.00E+00	0.00E+00	7.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-09	5.42E-09	0.00E+00	0.00E+00	7.59E-09	2.73E-10	5.30E-10	0.00E+00	0.00E+00	8.04E-10
4022	419988	3740934	2.15E-09	5.37E-09	0.00E+00	0.00E+00	7.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-09	5.37E-09	0.00E+00	0.00E+00	7.52E-09	2.71E-10	5.26E-10	0.00E+00	0.00E+00	7.96E-10
4023	419978.3	3740933	2.13E-09	5.32E-09	0.00E+00	0.00E+00	7.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-09	5.32E-09	0.00E+00	0.00E+00	7.45E-09	2.68E-10	5.21E-10	0.00E+00	0.00E+00	7.89E-10
4024	419968.5	3740932	2.12E-09	5.27E-09	0.00E+00	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-09	5.27E-09	0.00E+00	0.00E+00	7.39E-09	2.66E-10	5.16E-10	0.00E+00	0.00E+00	7.82E-10
4025	419958.8	3740930	2.10E-09	5.23E-09	0.00E+00	0.00E+00	7.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	5.23E-09	0.00E+00	0.00E+00	7.32E-09	2.64E-10	5.12E-10	0.00E+00	0.00E+00	7.76E-10
4026	419949.1	3740929	2.08E-09	5.18E-09	0.00E+00	0.00E+00	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-09	5.18E-09	0.00E+00	0.00E+00	7.26E-09	2.61E-10	5.07E-10	0.00E+00	0.00E+00	7.69E-10
4027	419939.3	3740928	2.06E-09	5.14E-09	0.00E+00	0.00E+00	7.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.14E-09	0.00E+00	0.00E+00	7.20E-09	2.59E-10	5.03E-10	0.00E+00	0.00E+00	7.62E-10
4028	419929.6	3740926	2.04E-09	5.10E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.10E-09	0.00E+00	0.00E+00	7.14E-09	2.57E-10	4.99E-10	0.00E+00	0.00E+00	7.56E-10
4029	419919.9	3740925	2.03E-09	5.05E-09	0.00E+00	0.00E+00	7.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	5.05E-09	0.00E+00	0.00E+00	7.08E-09	2.55E-10	4.95E-10	0.00E+00	0.00E+00	7.50E-10
4030	419910.2	3740924	2.01E-09	5.01E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	5.01E-09	0.00E+00	0.00E+00	7.02E-09	2.53E-10	4.91E-10	0.00E+00	0.00E+00	7.44E-10
4031	419900.4	3740923	1.99E-09	4.97E-09	0.00E+00	0.00E+00	6.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-09	4.97E-09	0.00E+00	0.00E+00	6.97E-09	2.51E-10	4.87E-10	0.00E+00	0.00E+00	7.38E-10
4032	419890.7	3740921	1.98E-09	4.93E-09	0.00E+00	0.00E+00	6.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	4.93E-09	0.00E+00	0.00E+00	6.91E-09	2.49E-10	4.83E-10	0.00E+00	0.00E+00	7.32E-10
4033	419881	3740920	1.96E-09	4.89E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	4.89E-09	0.00E+00	0.00E+00	6.86E-09	2.47E-10	4.79E-10	0.00E+00	0.00E+00	7.26E-10
4034	419832.3	3740913	1.89E-09	4.71E-09	0.00E+00	0.00E+00	6.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	4.71E-09	0.00E+00	0.00E+00	6.60E-09	2.38E-10	4.61E-10	0.00E+00	0.00E+00	6.99E-10
4035	419822.6	3740912	1.88E-09	4.68E-09	0.00E+00	0.00E+00	6.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	4.68E-09	0.00E+00	0.00E+00	6.55E-09	2.36E-10	4.58E-10	0.00E+00	0.00E+00	6.94E-10
4036	419812.9	3740911	1.86E-09	4.64E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	4.64E-09	0.00E+00	0.00E+00	6.51E-09	2.34E-10	4.55E-10	0.00E+00	0.00E+00	6.89E-10
4037	419803.2	3740909	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	4.61E-09	0.00E+00	0.00E+00	6.46E-09	2.33E-10	4.51E-10	0.00E+00	0.00E+00	6.84E-10
4038	419793.4	3740908	1.84E-09	4.58E-09	0.00E+00	0.00E+00	6.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.58E-09	0.00E+00	0.00E+00	6.41E-09	2.31E-10	4.48E-10	0.00E+00	0.00E+00	6.79E-10
4039	419783.7	3740907	1.82E-09	4.54E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	4.54E-09	0.00E+00	0.00E+00	6.37E-09	2.29E-10	4.45E-10	0.00E+00	0.00E+00	6.74E-10
4040	419774	3740905	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	2.28E-10	4.41E-10	0.00E+00	0.00E+00	6.69E-10
4041	419764.3	3740904	1.80E-09	4.47E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.47E-09	0.00E+00	0.00E+00	6.27E-09	2.26E-10	4.38E-10	0.00E+00	0.00E+00	6.64E-10
4042	419725.4	3740899	1.74E-09	4.34E-09	0.00E+00	0.00E+00	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	4.34E-09	0.00E+00	0.00E+00	6.08E-09	2.19E-10	4.25E-10	0.00E+00	0.00E+00	6.44E-10
4043	419715.6	3740897	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.04E-09	2.18E-10	4.22E-10	0.00E+00	0.00E+00	6.40E-10
4044	419705.9	3740896	1.72E-09	4.28E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	4.28E-09	0.00E+00	0.00E+00

4093	419367.6	3740543	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.11E-09	2.56E-10	4.97E-10	0.00E+00	0.00E+00	7.53E-10
4094	419363	3740534	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.13E-09	2.57E-10	4.98E-10	0.00E+00	0.00E+00	7.55E-10
4095	419358.5	3740526	2.05E-09	5.10E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.10E-09	0.00E+00	0.00E+00	7.15E-09	2.57E-10	4.99E-10	0.00E+00	0.00E+00	7.57E-10
4096	419353.9	3740517	2.05E-09	5.11E-09	0.00E+00	0.00E+00	7.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.11E-09	0.00E+00	0.00E+00	7.16E-09	2.58E-10	5.00E-10	0.00E+00	0.00E+00	7.58E-10
4097	419349.4	3740508	2.05E-09	5.12E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.12E-09	0.00E+00	0.00E+00	7.17E-09	2.58E-10	5.01E-10	0.00E+00	0.00E+00	7.59E-10
4098	419344.8	3740500	2.05E-09	5.12E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.12E-09	0.00E+00	0.00E+00	7.17E-09	2.58E-10	5.01E-10	0.00E+00	0.00E+00	7.60E-10
4099	419340.3	3740491	2.06E-09	5.12E-09	0.00E+00	0.00E+00	7.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.12E-09	0.00E+00	0.00E+00	7.18E-09	2.58E-10	5.02E-10	0.00E+00	0.00E+00	7.60E-10
4100	419335.7	3740482	2.05E-09	5.12E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.12E-09	0.00E+00	0.00E+00	7.17E-09	2.58E-10	5.01E-10	0.00E+00	0.00E+00	7.60E-10
4101	419331.2	3740473	2.05E-09	5.11E-09	0.00E+00	0.00E+00	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.11E-09	0.00E+00	0.00E+00	7.17E-09	2.58E-10	5.01E-10	0.00E+00	0.00E+00	7.59E-10
4102	419326.6	3740465	2.05E-09	5.11E-09	0.00E+00	0.00E+00	7.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-09	5.11E-09	0.00E+00	0.00E+00	7.15E-09	2.58E-10	5.00E-10	0.00E+00	0.00E+00	7.58E-10
4103	419322.1	3740456	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.14E-09	2.57E-10	4.99E-10	0.00E+00	0.00E+00	7.56E-10
4104	419317.5	3740447	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.08E-09	0.00E+00	0.00E+00	7.12E-09	2.56E-10	4.97E-10	0.00E+00	0.00E+00	7.53E-10
4105	419313	3740439	2.03E-09	5.06E-09	0.00E+00	0.00E+00	7.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-09	5.06E-09	0.00E+00	0.00E+00	7.09E-09	2.55E-10	4.95E-10	0.00E+00	0.00E+00	7.51E-10
4106	419308.4	3740430	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	2.54E-10	4.93E-10	0.00E+00	0.00E+00	7.47E-10
4107	419303.9	3740421	2.01E-09	5.01E-09	0.00E+00	0.00E+00	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-09	5.01E-09	0.00E+00	0.00E+00	7.02E-09	2.53E-10	4.91E-10	0.00E+00	0.00E+00	7.44E-10
4108	419299.3	3740413	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	2.52E-10	4.88E-10	0.00E+00	0.00E+00	7.40E-10
4109	419285.6	3740386	1.96E-09	4.90E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	4.90E-09	0.00E+00	0.00E+00	6.86E-09	2.47E-10	4.79E-10	0.00E+00	0.00E+00	7.26E-10
4110	419281.1	3740378	1.95E-09	4.86E-09	0.00E+00	0.00E+00	6.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	4.86E-09	0.00E+00	0.00E+00	6.81E-09	2.45E-10	4.76E-10	0.00E+00	0.00E+00	7.21E-10
4111	419276.5	3740369	1.94E-09	4.82E-09	0.00E+00	0.00E+00	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-09	4.82E-09	0.00E+00	0.00E+00	6.76E-09	2.43E-10	4.72E-10	0.00E+00	0.00E+00	7.16E-10
4112	419272	3740360	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.70E-09	2.41E-10	4.68E-10	0.00E+00	0.00E+00	7.10E-10
4113	419267.4	3740352	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	2.39E-10	4.64E-10	0.00E+00	0.00E+00	7.03E-10
4114	419262.9	3740343	1.88E-09	4.70E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	4.70E-09	0.00E+00	0.00E+00	6.58E-09	2.37E-10	4.60E-10	0.00E+00	0.00E+00	6.97E-10
4115	419258.3	3740334	1.86E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	2.35E-10	4.55E-10	0.00E+00	0.00E+00	6.90E-10
4116	419253.8	3740326	1.84E-09	4.60E-09	0.00E+00	0.00E+00	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.60E-09	0.00E+00	0.00E+00	6.44E-09	2.32E-10	4.50E-10	0.00E+00	0.00E+00	6.82E-10
4117	419249.2	3740317	1.82E-09	4.54E-09	0.00E+00	0.00E+00	6.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	4.54E-09	0.00E+00	0.00E+00	6.37E-09	2.29E-10	4.45E-10	0.00E+00	0.00E+00	6.74E-10
4118	419244.7	3740308	1.80E-09	4.49E-09	0.00E+00	0.00E+00	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.49E-09	0.00E+00	0.00E+00	6.29E-09	2.26E-10	4.40E-10	0.00E+00	0.00E+00	6.66E-10
4119	419240.1	3740299	1.78E-09	4.44E-09	0.00E+00	0.00E+00	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	4.44E-09	0.00E+00	0.00E+00	6.22E-09	2.24E-10	4.34E-10	0.00E+00	0.00E+00	6.58E-10
4120	419235.6	3740291	1.76E-09	4.38E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	4.38E-09	0.00E+00	0.00E+00	6.14E-09	2.21E-10	4.29E-10	0.00E+00	0.00E+00	6.50E-10
4121	419231	3740282	1.74E-09	4.33E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	4.33E-09	0.00E+00	0.00E+00	6.07E-09	2.18E-10	4.24E-10	0.00E+00	0.00E+00	6.42E-10
4122	419226.5	3740273	1.72E-09	4.28E-09	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	4.28E-09	0.00E+00	0.00E+00	6.00E-09	2.16E-10	4.19E-10	0.00E+00	0.00E+00	6.35E-10
4123	419221.9	3740265	1.70E-09	4.24E-09	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	4.24E-09	0.00E+00	0.00E+00	5.93E-09	2.14E-10	4.15E-10	0.00E+00	0.00E+00	6.28E-10
4124	419217.4	3740256	1.68E-09	4.19E-09	0.00E+00	0.00E+00	5.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	4.19E-09	0.00E+00	0.00E+00	5.87E-09	2.11E-10	4.10E-10	0.00E+00	0.00E+00	6.21E-10
4125	419212.8	3740247	1.66E-09	4.14E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	4.14E-09	0.00E+00	0.00E+00	5.80E-09	2.09E-10	4.06E-10	0.00E+00	0.00E+00	6.14E-10
4126	419208.3	3740239	1.64E-09	4.09E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	4.09E-09	0.00E+00	0.00E+00	5.74E-09	2.07E-10	4.01E-10	0.00E+00	0.00E+00	6.07E-10
4127	419203.7	3740230	1.62E-09	4.05E-09	0.00E+00	0.00E+00	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	4.05E-09	0.00E+00	0.00E+00	5.67E-09	2.04E-10	3.96E-10	0.00E+00	0.00E+00	6.00E-10
4128	419199.2	3740221	1.60E-09	4.00E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	4.00E-09	0.00E+00	0.00E+00	5.60E-09	2.02E-10	3.91E-10	0.00E+00	0.00E+00	5.93E-10
4129	419194.6	3740213	1.58E-09	3.95E-09	0.00E+00	0.00E+00	5.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	3.95E-09	0.00E+00	0.00E+00	5.53E-09	1.99E-10	3.87E-10	0.00E+00	0.00E+00	5.86E-10
4130	419190.1	3740204	1.56E-09	3.90E-09	0.00E+00	0.00E+00	5.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	3.90E-09	0.00E+00	0.00E+00	5.47E-09	1.97E-10	3.82E-10	0.00E+00	0.00E+00	5.79E-10
4131	419185.5	3740195	1.55E-09	3.85E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	3.85E-09	0.00E+00	0.00E+00	5.40E-09	1.94E-10	3.77E-10	0.00E+00	0.00E+00	5.72E-10
4132	419181	3740186	1.53E-09	3.81E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	3.81E-09	0.00E+00	0.00E+00	5.33E-09	1.92E-10	3.73E-10	0.00E+00	0.00E+00	5.65E-10
4133	419176.4	3740178	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.27E-09	1.90E-10	3.68E-10	0.00E+00	0.00E+00	5.58E-10
4134	419171.8	3740169	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.20E-09	1.87E-10	3.64E-10	0.00E+00	0.00E+00	5.51E-10
4135	419167.3	3740160	1.47E-09	3.67E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	3.67E-09	0.00E+00	0.00E+00	5.14E-09	1.85E-10	3.59E-10	0.00E+00	0.00E+00	5.45E-10
4136	419162.7	3740152	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.08E-09	1.83E-10	3.55E-10	0.00E+00	0.00E+00	5.38E-10
4137	419158.2	3740143	1.44E-09	3.58E-09	0.00E+00	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	3.58E-09	0.00E+00	0.00E+00	5.02E-09	1.81E-10	3.51E-10	0.00E+00	0.00E+00	5.32E-10
4138	419153.6	3740134	1.42E-09	3.54E-09	0.00E+00	0.00E+00	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	3.54E-09	0.00E+00	0.00E+00	4.97E-09	1.79E-10	3.47E-10	0.00E+00	0.00E+00	5.26E-10
4139	420377	3740987	3.30E-09	8.23E-09	0.00E+00	0.00E+00	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-09	8.23E-09	0.00E+00	0.00E+00	1.15E-08	4.15E-10	8.06E-10	0.00E+00	0.00E+00	1.22E-09
4140	420386.4	3740984	3.36E-09	8.38E-09	0.00E+00	0.00E+00	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-09	8.38E-09	0.00E+00	0.00E+00	1.17E-08	4.23E-10	8.20E-10	0.00E+00	0.00E+00	1.24E-09
4141	420395.7	3740981	3.42E-09	8.52E-09	0.00E+00	0.00E+00	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-09	8.52E-09	0.00E+00	0.00E+00	1.19E-08	4.30E-10	8.34E-10	0.00E+00	0.00E+00	1.26E-09
4142	420405.1	3740977	3.48E-09	8.67E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-09	8.67E-09	0.00E+00	0.00E+00	1.21E-08	4.37E-10	8.48E-10	0.00E+00	0.00E+00	1.29E-09
4143	420414.4	3740974	3.53E-09	8.81E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-09	8.81E-09	0.00E+00	0.00E+00	1.23E-08	4.45E-10	8.63E-10	0.00E+00	0.00E+00	1.31E-09
4144	420423.8	3740971	3.59E-09	8.95E-09	0.00E+00	0.00E+00	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-09	8.95E-09	0.00E+00	0.00E+00	1.25E-08	4.52E-10	8.76E-10	0.00E+00	0.00E+00	1.33E-09
4145	420433.1	3740967	3.64E-09	9.08E-09	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-09	9.08E-09	0.00E+00	0.00E+00	1.27E-08	4.58E-10	8.89E-10	0.00E+00	0.00E+00	1.35E-09
4146	420442.5	3740964	3.70E-09	9.21E-09	0.00E+00	0.00E+00	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-09	9.21E-09	0.00E+00	0.00E+00	1.29E-08	4.65E-10	9.02E-10	0.00E+00	0.00E+00	1.37E-09
4147	420451.8	3740961	3.75E-09	9.34E-09	0.00E+00	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-09	9.34E-09	0.00E+00	0.00E+00	1.31E-08	4.71E-10	9.15E-10	0.00E+00	0.00E+00	1.39E-09
4148	420461.2	3740958	3.80E-09	9.46E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-09	9.46E-09	0.00E+00	0.00E+00	1.33E-08	4.78E-10	9.27E-10	0.00E+00	0.00E+00	1.40E-09
4149	420470.5	3740954	3.85E-09	9.59E-09	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-09	9.59E-09	0.00E+00	0.00E+00	1.34E-08	4.84E-10	9.39E-10	0.00E+00	0.00E+00	1.42E-09
4150	420479.9	3740951	3.89E-09	9.71E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	9.71E-09	0.00E+00	0.00E+00	1.36E-08	4.90E-10	9.51E-10	0.00E+00	0.00E+00	1.44E-09
4151	420489.2	3740948	3.94E-09	9.83E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	9.83E-09	0.00E+00	0.00E+00	1.38E-08	4.96E-10	9.62E-10	0.00E+00	0.00E+00	1.46E-09
4152	420498.6	3740944	3.99E-09	9.95E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	9.95E-09	0.00E+00	0.00E+00	1.39E-08	5.02E-10	9.74E-10	0.00E+00	0.00E+00	1.48E-09
4153	420507.9	3740941	4.04E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-09	1.01E-08	0.00E+00	0.00E+00	1.41E-08	5.08E-10	9.85E-10	0.00E+00	0.00E+00	1.49E-09
4154	420517.3	3740938	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	1.02E-08	0.00E+00	0.00E+00	1.42E-08	5.13E-10	9.96E-10	0.00E+00	0.00E+00	1.51E-09
4155	420380.6	3741024	3.06E-09	7.63E-09	0.00E+00	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-09	7.63E-09	0.00E+00	0.00E+00	1.07E-08	3.85E-10	7.47E-10	0.00E+00	0.00E+00	1.13E-09
4156	420370.8	3741022	3.03E-09	7.56E-09	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-09	7.56E-09	0.00E+00	0.00E+00	1.06E-08	3.81E-10	7.40E-10	0.00E+00	0.00E+00	1.12E-09
4157	420361	3741021	3.00E-09	7.48E-09	0.00E+00	0.00E+00	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-09	7.48E-09	0.00E+00	0.00E+00	1.05E-08	3.78E-10	7.33E-10	0.00E+00	0.00E+00	1.11E-09
4158	420351.2	3741020	2.97E-09	7.41E-09	0.00E+00	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-09	7.41E-09	0.00E+00	0.00E+00	1.04E-08	3.74E-10	7.26E-10	0.00E+00	0.00E+00	1.10E-09
4159	420341.4	3741018	2.94E-09	7.34E-09	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-09	7.34E-09	0.00E+00	0.00E+00	1.03E-08	3.70E-10	7.19E-10	0.00E+00	0.00E+00	1.09E-09
4160	420331.6	3741017	2.91E-09	7.26E-09	0.00E+00	0.00E+00	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-09	7.26E-09	0.00E+00	0.00E+00	1.02E-08	3.66E-10	7.11E-10	0.00E+00	0.00E+00	1.08E-09
4161	420321.8	3741016	2.88E-09	7.19E-09	0.00E+00	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-09	7.19E-09	0.00E+00	0.00E+00	1.01E-08	3.63E-10	7.04E-10	0.00E+00	0.00E+00	1.07E-09
4162	420312	3741014	2.85E-09	7.11E-09	0.00E+00	0.00E+00	9.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-09	7.11E-09	0.00E+00	0.00E+00	9.97E-09	3.59E-10	6.96E-10	0.00E+00	0.00E+00	1.06E-09
4163	420302.2	3741013	2.82E-09	7.03E-09	0.00E+00	0.00E+00	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-09	7.03E-09	0.00E+00	0.00E+00	9.86E-09	3.55E-10	6.89E-10	0.00E+00	0.00E+00	1.04E-09
4164	420292.4	3741012	2.80E-09	6.97E-09	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	6.97E-09	0.00E+00	0.00E+00	9.77E-09	3.52E-10	6.82E-10	0.00E+00	0.00E+00	1.03E-09
4165	420282.6	3741010	2.80E-09	6.97E-09	0.00E+00	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-09	6.97E-09	0.00E+00	0.00E+00	9.77E-09	3.52E-10	6.83E-10	0.00E+00	0.00E+00	1.03E-09
4166	420272.7	3741009	2.77E-09	6.90E-09	0.00E+00	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-09	6.90E-09	0.00E+00	0.00E+00	9.67E-09	3.48E-10	6.76E-10	0.00E+00	0.00E+00	1.02E-09
4167	420262.9	3741008	2.74E-09	6.83E-09	0.00E+00	0.00E+00	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-09	6.83E-09	0.00E+00	0.00E+00	9.57E-09	3.45E-10	6.69E-10	0.00E+00	0.00E+00	1.01E-09
4168	420253.1	3741006	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-09	6.76E-09	0.00E+00	0.00E+00	9.47E-09	3.41E-10	6.61E-10	0.00E+00	0.00E+00	1.00E-09
4169	420243.3	3741005	2.68E-09	6.68E-09	0.00E+00	0.00E+00	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-09	6.68E-09	0.00E+00	0.00E+00	9.36E-09	3.37E-10	6.54E-10	0.00E+00	0.00E+00	9.91E-10
4170	420233.5	3741004	2.65E-09	6.61E-09	0.00E+00	0.00E+00	9.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-09	6.61E-09	0.00E+00	0.00E+00	9.26E-09	3.33E-10	6.47E-10	0.00E+00	0.00E+00	9.80E-10
4171	420223.7	3741002	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-09	6.53E-09	0.00E+00	0.00E+00	9.15E-09	3.30E-10	6.40E-10	0.00E+00	0.00E+00	9.69E-10
4172	420213.9	3741001	2.59E-09	6.46E-09	0.00E+00	0.00E+00	9.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-09	6.46E-09	0.00

4221	419556.8	3740912	1.46E-09	3.65E-09	0.00E+00	0.00E+00	5.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.65E-09	0.00E+00	0.00E+00	5.11E-09	1.84E-10	3.57E-10	0.00E+00	0.00E+00	5.41E-10
4222	419547	3740910	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.08E-09	1.83E-10	3.55E-10	0.00E+00	0.00E+00	5.38E-10
4223	419537.2	3740909	1.45E-09	3.61E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	3.61E-09	0.00E+00	0.00E+00	5.05E-09	1.82E-10	3.53E-10	0.00E+00	0.00E+00	5.35E-10
4224	419527.4	3740908	1.44E-09	3.59E-09	0.00E+00	0.00E+00	5.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	3.59E-09	0.00E+00	0.00E+00	5.03E-09	1.81E-10	3.51E-10	0.00E+00	0.00E+00	5.32E-10
4225	419513	3740897	1.44E-09	3.60E-09	0.00E+00	0.00E+00	5.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	3.60E-09	0.00E+00	0.00E+00	5.04E-09	1.81E-10	3.52E-10	0.00E+00	0.00E+00	5.34E-10
4226	419508.4	3740889	1.45E-09	3.63E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	3.63E-09	0.00E+00	0.00E+00	5.08E-09	1.83E-10	3.55E-10	0.00E+00	0.00E+00	5.38E-10
4227	419503.8	3740880	1.47E-09	3.66E-09	0.00E+00	0.00E+00	5.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	3.66E-09	0.00E+00	0.00E+00	5.12E-09	1.84E-10	3.58E-10	0.00E+00	0.00E+00	5.42E-10
4228	419499.2	3740871	1.48E-09	3.69E-09	0.00E+00	0.00E+00	5.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	3.69E-09	0.00E+00	0.00E+00	5.17E-09	1.86E-10	3.61E-10	0.00E+00	0.00E+00	5.47E-10
4229	419494.6	3740862	1.49E-09	3.72E-09	0.00E+00	0.00E+00	5.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	3.72E-09	0.00E+00	0.00E+00	5.21E-09	1.88E-10	3.64E-10	0.00E+00	0.00E+00	5.52E-10
4230	419490	3740854	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.26E-09	1.89E-10	3.68E-10	0.00E+00	0.00E+00	5.57E-10
4231	419485.4	3740845	1.52E-09	3.79E-09	0.00E+00	0.00E+00	5.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	3.79E-09	0.00E+00	0.00E+00	5.31E-09	1.91E-10	3.71E-10	0.00E+00	0.00E+00	5.62E-10
4232	419480.9	3740836	1.53E-09	3.82E-09	0.00E+00	0.00E+00	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	3.82E-09	0.00E+00	0.00E+00	5.36E-09	1.93E-10	3.74E-10	0.00E+00	0.00E+00	5.67E-10
4233	419476.3	3740827	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.41E-09	1.95E-10	3.78E-10	0.00E+00	0.00E+00	5.73E-10
4234	419457.9	3740792	1.60E-09	4.00E-09	0.00E+00	0.00E+00	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	4.00E-09	0.00E+00	0.00E+00	5.60E-09	2.02E-10	3.91E-10	0.00E+00	0.00E+00	5.93E-10
4235	419453.3	3740783	1.62E-09	4.03E-09	0.00E+00	0.00E+00	5.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	4.03E-09	0.00E+00	0.00E+00	5.65E-09	2.03E-10	3.95E-10	0.00E+00	0.00E+00	5.98E-10
4236	419448.7	3740775	1.63E-09	4.06E-09	0.00E+00	0.00E+00	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	4.06E-09	0.00E+00	0.00E+00	5.69E-09	2.05E-10	3.98E-10	0.00E+00	0.00E+00	6.03E-10
4237	419444.1	3740766	1.64E-09	4.10E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	4.10E-09	0.00E+00	0.00E+00	5.74E-09	2.07E-10	4.01E-10	0.00E+00	0.00E+00	6.08E-10
4238	419439.5	3740757	1.66E-09	4.13E-09	0.00E+00	0.00E+00	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	4.13E-09	0.00E+00	0.00E+00	5.79E-09	2.09E-10	4.05E-10	0.00E+00	0.00E+00	6.13E-10
4239	419435	3740748	1.67E-09	4.17E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	4.17E-09	0.00E+00	0.00E+00	5.84E-09	2.10E-10	4.08E-10	0.00E+00	0.00E+00	6.18E-10
4240	419430.4	3740740	1.69E-09	4.20E-09	0.00E+00	0.00E+00	5.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	4.20E-09	0.00E+00	0.00E+00	5.89E-09	2.12E-10	4.11E-10	0.00E+00	0.00E+00	6.24E-10
4241	419425.8	3740731	1.70E-09	4.24E-09	0.00E+00	0.00E+00	5.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	4.24E-09	0.00E+00	0.00E+00	5.94E-09	2.14E-10	4.15E-10	0.00E+00	0.00E+00	6.29E-10
4242	419421.2	3740722	1.71E-09	4.27E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	4.27E-09	0.00E+00	0.00E+00	5.99E-09	2.16E-10	4.19E-10	0.00E+00	0.00E+00	6.34E-10
4243	419416.6	3740713	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.04E-09	2.18E-10	4.22E-10	0.00E+00	0.00E+00	6.40E-10
4244	419412	3740705	1.74E-09	4.35E-09	0.00E+00	0.00E+00	6.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	4.35E-09	0.00E+00	0.00E+00	6.09E-09	2.19E-10	4.26E-10	0.00E+00	0.00E+00	6.45E-10
4245	419407.4	3740696	1.76E-09	4.38E-09	0.00E+00	0.00E+00	6.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	4.38E-09	0.00E+00	0.00E+00	6.14E-09	2.21E-10	4.29E-10	0.00E+00	0.00E+00	6.50E-10
4246	419402.8	3740687	1.77E-09	4.41E-09	0.00E+00	0.00E+00	6.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	4.41E-09	0.00E+00	0.00E+00	6.18E-09	2.23E-10	4.32E-10	0.00E+00	0.00E+00	6.55E-10
4247	419398.2	3740678	1.78E-09	4.44E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	4.44E-09	0.00E+00	0.00E+00	6.23E-09	2.24E-10	4.35E-10	0.00E+00	0.00E+00	6.59E-10
4248	419393.6	3740669	1.80E-09	4.47E-09	0.00E+00	0.00E+00	6.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.47E-09	0.00E+00	0.00E+00	6.27E-09	2.26E-10	4.38E-10	0.00E+00	0.00E+00	6.64E-10
4249	419389.1	3740661	1.81E-09	4.50E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.50E-09	0.00E+00	0.00E+00	6.31E-09	2.27E-10	4.41E-10	0.00E+00	0.00E+00	6.68E-10
4250	419384.5	3740652	1.82E-09	4.54E-09	0.00E+00	0.00E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	4.54E-09	0.00E+00	0.00E+00	6.35E-09	2.29E-10	4.44E-10	0.00E+00	0.00E+00	6.73E-10
4251	419379.9	3740643	1.83E-09	4.56E-09	0.00E+00	0.00E+00	6.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	4.56E-09	0.00E+00	0.00E+00	6.40E-09	2.30E-10	4.47E-10	0.00E+00	0.00E+00	6.77E-10
4252	419375.3	3740634	1.84E-09	4.59E-09	0.00E+00	0.00E+00	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.59E-09	0.00E+00	0.00E+00	6.44E-09	2.32E-10	4.50E-10	0.00E+00	0.00E+00	6.81E-10
4253	419370.7	3740626	1.85E-09	4.62E-09	0.00E+00	0.00E+00	6.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-09	4.62E-09	0.00E+00	0.00E+00	6.47E-09	2.33E-10	4.52E-10	0.00E+00	0.00E+00	6.85E-10
4254	419366.1	3740617	1.86E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	2.34E-10	4.55E-10	0.00E+00	0.00E+00	6.89E-10
4255	419361.5	3740608	1.87E-09	4.67E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	4.67E-09	0.00E+00	0.00E+00	6.54E-09	2.36E-10	4.57E-10	0.00E+00	0.00E+00	6.93E-10
4256	419343.2	3740573	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	2.39E-10	4.64E-10	0.00E+00	0.00E+00	7.03E-10
4257	419338.6	3740564	1.91E-09	4.75E-09	0.00E+00	0.00E+00	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.75E-09	0.00E+00	0.00E+00	6.66E-09	2.40E-10	4.65E-10	0.00E+00	0.00E+00	7.05E-10
4258	419334	3740555	1.91E-09	4.76E-09	0.00E+00	0.00E+00	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.76E-09	0.00E+00	0.00E+00	6.67E-09	2.40E-10	4.66E-10	0.00E+00	0.00E+00	7.07E-10
4259	419329.4	3740547	1.92E-09	4.77E-09	0.00E+00	0.00E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.77E-09	0.00E+00	0.00E+00	6.69E-09	2.41E-10	4.67E-10	0.00E+00	0.00E+00	7.08E-10
4260	419324.8	3740538	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.70E-09	2.41E-10	4.68E-10	0.00E+00	0.00E+00	7.10E-10
4261	419320.2	3740529	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.72E-09	2.42E-10	4.69E-10	0.00E+00	0.00E+00	7.11E-10
4262	419315.6	3740520	1.92E-09	4.80E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.80E-09	0.00E+00	0.00E+00	6.72E-09	2.42E-10	4.70E-10	0.00E+00	0.00E+00	7.12E-10
4263	419311	3740512	1.93E-09	4.80E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	4.80E-09	0.00E+00	0.00E+00	6.73E-09	2.42E-10	4.70E-10	0.00E+00	0.00E+00	7.12E-10
4264	419306.4	3740503	1.93E-09	4.80E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	4.80E-09	0.00E+00	0.00E+00	6.73E-09	2.42E-10	4.70E-10	0.00E+00	0.00E+00	7.12E-10
4265	419301.9	3740494	1.92E-09	4.80E-09	0.00E+00	0.00E+00	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.80E-09	0.00E+00	0.00E+00	6.72E-09	2.42E-10	4.70E-10	0.00E+00	0.00E+00	7.12E-10
4266	419297.3	3740485	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.79E-09	0.00E+00	0.00E+00	6.71E-09	2.42E-10	4.69E-10	0.00E+00	0.00E+00	7.11E-10
4267	419292.7	3740477	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-09	4.78E-09	0.00E+00	0.00E+00	6.70E-09	2.41E-10	4.68E-10	0.00E+00	0.00E+00	7.09E-10
4268	419288.1	3740468	1.91E-09	4.77E-09	0.00E+00	0.00E+00	6.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.77E-09	0.00E+00	0.00E+00	6.68E-09	2.41E-10	4.67E-10	0.00E+00	0.00E+00	7.08E-10
4269	419283.5	3740459	1.91E-09	4.75E-09	0.00E+00	0.00E+00	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.75E-09	0.00E+00	0.00E+00	6.66E-09	2.40E-10	4.65E-10	0.00E+00	0.00E+00	7.05E-10
4270	419278.9	3740450	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	4.74E-09	0.00E+00	0.00E+00	6.64E-09	2.39E-10	4.64E-10	0.00E+00	0.00E+00	7.03E-10
4271	419274.3	3740441	1.89E-09	4.72E-09	0.00E+00	0.00E+00	6.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-09	4.72E-09	0.00E+00	0.00E+00	6.61E-09	2.38E-10	4.62E-10	0.00E+00	0.00E+00	7.00E-10
4272	419269.7	3740433	1.88E-09	4.69E-09	0.00E+00	0.00E+00	6.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	4.69E-09	0.00E+00	0.00E+00	6.58E-09	2.37E-10	4.60E-10	0.00E+00	0.00E+00	6.96E-10
4273	419265.1	3740424	1.87E-09	4.67E-09	0.00E+00	0.00E+00	6.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-09	4.67E-09	0.00E+00	0.00E+00	6.54E-09	2.36E-10	4.57E-10	0.00E+00	0.00E+00	6.93E-10
4274	419251.4	3740398	1.84E-09	4.59E-09	0.00E+00	0.00E+00	6.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-09	4.59E-09	0.00E+00	0.00E+00	6.43E-09	2.32E-10	4.49E-10	0.00E+00	0.00E+00	6.81E-10
4275	419246.8	3740389	1.83E-09	4.55E-09	0.00E+00	0.00E+00	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-09	4.55E-09	0.00E+00	0.00E+00	6.38E-09	2.30E-10	4.46E-10	0.00E+00	0.00E+00	6.76E-10
4276	419242.2	3740380	1.81E-09	4.52E-09	0.00E+00	0.00E+00	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.52E-09	0.00E+00	0.00E+00	6.33E-09	2.28E-10	4.42E-10	0.00E+00	0.00E+00	6.71E-10
4277	419237.6	3740371	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	2.26E-10	4.39E-10	0.00E+00	0.00E+00	6.65E-10
4278	419233	3740363	1.78E-09	4.44E-09	0.00E+00	0.00E+00	6.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	4.44E-09	0.00E+00	0.00E+00	6.23E-09	2.24E-10	4.35E-10	0.00E+00	0.00E+00	6.59E-10
4279	419228.4	3740354	1.77E-09	4.40E-09	0.00E+00	0.00E+00	6.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	4.40E-09	0.00E+00	0.00E+00	6.17E-09	2.22E-10	4.31E-10	0.00E+00	0.00E+00	6.53E-10
4280	419223.8	3740345	1.75E-09	4.36E-09	0.00E+00	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	4.36E-09	0.00E+00	0.00E+00	6.11E-09	2.20E-10	4.27E-10	0.00E+00	0.00E+00	6.47E-10
4281	419219.2	3740336	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	4.31E-09	0.00E+00	0.00E+00	6.04E-09	2.18E-10	4.22E-10	0.00E+00	0.00E+00	6.40E-10
4282	419214.7	3740327	1.71E-09	4.26E-09	0.00E+00	0.00E+00	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	4.26E-09	0.00E+00	0.00E+00	5.97E-09	2.15E-10	4.17E-10	0.00E+00	0.00E+00	6.33E-10
4283	419210.1	3740319	1.69E-09	4.21E-09	0.00E+00	0.00E+00	5.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	4.21E-09	0.00E+00	0.00E+00	5.90E-09	2.13E-10	4.12E-10	0.00E+00	0.00E+00	6.25E-10
4284	419205.5	3740310	1.67E-09	4.16E-09	0.00E+00	0.00E+00	5.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	4.16E-09	0.00E+00	0.00E+00	5.83E-09	2.10E-10	4.07E-10	0.00E+00	0.00E+00	6.17E-10
4285	419200.9	3740301	1.65E-09	4.11E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	4.11E-09	0.00E+00	0.00E+00	5.76E-09	2.08E-10	4.03E-10	0.00E+00	0.00E+00	6.10E-10
4286	419196.3	3740292	1.63E-09	4.07E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	4.07E-09	0.00E+00	0.00E+00	5.70E-09	2.05E-10	3.98E-10	0.00E+00	0.00E+00	6.03E-10
4287	419191.7	3740284	1.61E-09	4.02E-09	0.00E+00	0.00E+00	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	4.02E-09	0.00E+00	0.00E+00	5.64E-09	2.03E-10	3.94E-10	0.00E+00	0.00E+00	5.97E-10
4288	419187.1	3740275	1.60E-09	3.98E-09	0.00E+00	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	3.98E-09	0.00E+00	0.00E+00	5.57E-09	2.01E-10	3.90E-10	0.00E+00	0.00E+00	5.90E-10
4289	419182.5	3740266	1.58E-09	3.94E-09	0.00E+00	0.00E+00	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-09	3.94E-09	0.00E+00	0.00E+00	5.51E-09	1.99E-10	3.85E-10	0.00E+00	0.00E+00	5.84E-10
4290	419177.9	3740257	1.56E-09	3.89E-09	0.00E+00	0.00E+00	5.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	3.89E-09	0.00E+00	0.00E+00	5.45E-09	1.96E-10	3.81E-10	0.00E+00	0.00E+00	5.77E-10
4291	419173.3	3740249	1.54E-09	3.85E-09	0.00E+00	0.00E+00	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	3.85E-09	0.00E+00	0.00E+00	5.39E-09	1.94E-10	3.77E-10	0.00E+00	0.00E+00	5.71E-10
4292	419168.8	3740240	1.53E-09	3.80E-09	0.00E+00	0.00E+00	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	3.80E-09	0.00E+00	0.00E+00	5.33E-09	1.92E-10	3.72E-10	0.00E+00	0.00E+00	5.64E-10
4293	419164.2	3740231	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.26E-09	1.90E-10	3.68E-10	0.00E+00	0.00E+00	5.57E-10
4294	419159.6	3740222	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.20E-09	1.87E-10	3.64E-10	0.00E+00	0.00E+00	5.51E-10
4295	419155	3740213	1.47E-09	3.67E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	3.67E-09	0.00E+00	0.00E+00	5.14E-09	1.85E-10	3.59E-10	0.00E+00	0.00E+00	5.44E-10
4296	419150.4	3740205	1.45E-09	3.62E-09	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	3.62E-09	0.00E+00	0.00E+00	5.08E-09	1.83E-10	3.55E-10	0.00E+00	0.00E+00	5.38E-10
4297	419145.8	3740196	1.44E-09	3.58E-09	0.00E+00	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	3.58E-09	0.00E+00	0.00E+00	5.02E-09	1.81E-10	3.50E-10	0.00E+00	0.00E+00	5.31E-10
4298	419141.2	3740187	1.42E-09	3.54E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	3.54E-09	0.00E+00	0.00E+00	4.95E-09	1.78E-10	3.46E-10	0.00E+00	0.00E+00	5.25E-10
4299	419136.6	3740178	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.90E-09	1.76E-10	3.42E-10	0.00E+00	0.00E+00	5.18E-10
4300	420390.4	3741025	3.09E-09	7.70E-09	0.00E+00	0.00E+00	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-09	7.70E-09	0.00E+

4349	420071.4	3741018	2.06E-09	5.14E-09	0.00E+00	0.00E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-09	5.14E-09	0.00E+00	0.00E+00	7.21E-09	2.59E-10	5.04E-10	0.00E+00	0.00E+00	7.63E-10
4350	420061.6	3741016	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-09	5.09E-09	0.00E+00	0.00E+00	7.13E-09	2.57E-10	4.98E-10	0.00E+00	0.00E+00	7.55E-10
4351	420051.9	3741015	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-09	5.04E-09	0.00E+00	0.00E+00	7.06E-09	2.54E-10	4.93E-10	0.00E+00	0.00E+00	7.48E-10
4352	420042.1	3741014	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-09	4.99E-09	0.00E+00	0.00E+00	6.99E-09	2.52E-10	4.89E-10	0.00E+00	0.00E+00	7.40E-10
4353	420032.3	3741012	1.98E-09	4.94E-09	0.00E+00	0.00E+00	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-09	4.94E-09	0.00E+00	0.00E+00	6.92E-09	2.49E-10	4.84E-10	0.00E+00	0.00E+00	7.33E-10
4354	420022.5	3741011	1.96E-09	4.90E-09	0.00E+00	0.00E+00	6.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	4.90E-09	0.00E+00	0.00E+00	6.86E-09	2.47E-10	4.79E-10	0.00E+00	0.00E+00	7.26E-10
4355	420012.8	3741010	1.95E-09	4.85E-09	0.00E+00	0.00E+00	6.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-09	4.85E-09	0.00E+00	0.00E+00	6.80E-09	2.45E-10	4.75E-10	0.00E+00	0.00E+00	7.20E-10
4356	420003	3741008	1.93E-09	4.81E-09	0.00E+00	0.00E+00	6.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-09	4.81E-09	0.00E+00	0.00E+00	6.73E-09	2.43E-10	4.71E-10	0.00E+00	0.00E+00	7.13E-10
4357	419993.2	3741007	1.91E-09	4.76E-09	0.00E+00	0.00E+00	6.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-09	4.76E-09	0.00E+00	0.00E+00	6.68E-09	2.40E-10	4.67E-10	0.00E+00	0.00E+00	7.07E-10
4358	419983.4	3741006	1.90E-09	4.73E-09	0.00E+00	0.00E+00	6.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-09	4.73E-09	0.00E+00	0.00E+00	6.62E-09	2.38E-10	4.63E-10	0.00E+00	0.00E+00	7.01E-10
4359	419973.6	3741004	1.88E-09	4.69E-09	0.00E+00	0.00E+00	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-09	4.69E-09	0.00E+00	0.00E+00	6.57E-09	2.36E-10	4.59E-10	0.00E+00	0.00E+00	6.95E-10
4360	419963.9	3741003	1.86E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-09	4.65E-09	0.00E+00	0.00E+00	6.51E-09	2.34E-10	4.55E-10	0.00E+00	0.00E+00	6.89E-10
4361	419797.7	3740980	1.64E-09	4.10E-09	0.00E+00	0.00E+00	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	4.10E-09	0.00E+00	0.00E+00	5.74E-09	2.07E-10	4.01E-10	0.00E+00	0.00E+00	6.08E-10
4362	419787.9	3740979	1.63E-09	4.07E-09	0.00E+00	0.00E+00	5.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-09	4.07E-09	0.00E+00	0.00E+00	5.70E-09	2.05E-10	3.99E-10	0.00E+00	0.00E+00	6.04E-10
4363	419778.1	3740978	1.62E-09	4.04E-09	0.00E+00	0.00E+00	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	4.04E-09	0.00E+00	0.00E+00	5.66E-09	2.04E-10	3.96E-10	0.00E+00	0.00E+00	6.00E-10
4364	419768.3	3740976	1.61E-09	4.02E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	4.02E-09	0.00E+00	0.00E+00	5.63E-09	2.03E-10	3.93E-10	0.00E+00	0.00E+00	5.96E-10
4365	419719.5	3740970	1.56E-09	3.88E-09	0.00E+00	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	3.88E-09	0.00E+00	0.00E+00	5.44E-09	1.96E-10	3.80E-10	0.00E+00	0.00E+00	5.76E-10
4366	419709.7	3740968	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.41E-09	1.95E-10	3.78E-10	0.00E+00	0.00E+00	5.73E-10
4367	419699.9	3740967	1.54E-09	3.83E-09	0.00E+00	0.00E+00	5.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-09	3.83E-09	0.00E+00	0.00E+00	5.37E-09	1.93E-10	3.75E-10	0.00E+00	0.00E+00	5.69E-10
4368	419690.1	3740966	1.53E-09	3.81E-09	0.00E+00	0.00E+00	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-09	3.81E-09	0.00E+00	0.00E+00	5.34E-09	1.92E-10	3.73E-10	0.00E+00	0.00E+00	5.65E-10
4369	419680.3	3740964	1.52E-09	3.78E-09	0.00E+00	0.00E+00	5.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-09	3.78E-09	0.00E+00	0.00E+00	5.30E-09	1.91E-10	3.70E-10	0.00E+00	0.00E+00	5.61E-10
4370	419670.6	3740963	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	3.76E-09	0.00E+00	0.00E+00	5.26E-09	1.90E-10	3.68E-10	0.00E+00	0.00E+00	5.58E-10
4371	419660.8	3740962	1.50E-09	3.73E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	3.73E-09	0.00E+00	0.00E+00	5.23E-09	1.88E-10	3.66E-10	0.00E+00	0.00E+00	5.54E-10
4372	419651	3740960	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	3.71E-09	0.00E+00	0.00E+00	5.20E-09	1.87E-10	3.63E-10	0.00E+00	0.00E+00	5.50E-10
4373	419641.2	3740959	1.48E-09	3.68E-09	0.00E+00	0.00E+00	5.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-09	3.68E-09	0.00E+00	0.00E+00	5.16E-09	1.86E-10	3.61E-10	0.00E+00	0.00E+00	5.46E-10
4374	419631.5	3740958	1.47E-09	3.66E-09	0.00E+00	0.00E+00	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	3.66E-09	0.00E+00	0.00E+00	5.13E-09	1.85E-10	3.58E-10	0.00E+00	0.00E+00	5.43E-10
4375	419621.7	3740956	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.63E-09	0.00E+00	0.00E+00	5.09E-09	1.83E-10	3.56E-10	0.00E+00	0.00E+00	5.39E-10
4376	419611.9	3740955	1.45E-09	3.61E-09	0.00E+00	0.00E+00	5.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	3.61E-09	0.00E+00	0.00E+00	5.05E-09	1.82E-10	3.53E-10	0.00E+00	0.00E+00	5.35E-10
4377	419602.1	3740954	1.44E-09	3.58E-09	0.00E+00	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	3.58E-09	0.00E+00	0.00E+00	5.02E-09	1.81E-10	3.51E-10	0.00E+00	0.00E+00	5.32E-10
4378	419592.4	3740952	1.43E-09	3.56E-09	0.00E+00	0.00E+00	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-09	3.56E-09	0.00E+00	0.00E+00	4.99E-09	1.80E-10	3.48E-10	0.00E+00	0.00E+00	5.28E-10
4379	419582.6	3740951	1.42E-09	3.53E-09	0.00E+00	0.00E+00	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	3.53E-09	0.00E+00	0.00E+00	4.95E-09	1.78E-10	3.46E-10	0.00E+00	0.00E+00	5.24E-10
4380	419572.8	3740950	1.41E-09	3.51E-09	0.00E+00	0.00E+00	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	3.51E-09	0.00E+00	0.00E+00	4.92E-09	1.77E-10	3.44E-10	0.00E+00	0.00E+00	5.21E-10
4381	419563	3740948	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.89E-09	1.76E-10	3.42E-10	0.00E+00	0.00E+00	5.18E-10
4382	419553.2	3740947	1.39E-09	3.47E-09	0.00E+00	0.00E+00	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	3.47E-09	0.00E+00	0.00E+00	4.86E-09	1.75E-10	3.40E-10	0.00E+00	0.00E+00	5.15E-10
4383	419543.5	3740946	1.38E-09	3.45E-09	0.00E+00	0.00E+00	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.45E-09	0.00E+00	0.00E+00	4.84E-09	1.74E-10	3.38E-10	0.00E+00	0.00E+00	5.12E-10
4384	419533.7	3740944	1.38E-09	3.43E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.43E-09	0.00E+00	0.00E+00	4.81E-09	1.73E-10	3.36E-10	0.00E+00	0.00E+00	5.09E-10
4385	419523.9	3740943	1.37E-09	3.41E-09	0.00E+00	0.00E+00	4.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	3.41E-09	0.00E+00	0.00E+00	4.78E-09	1.72E-10	3.34E-10	0.00E+00	0.00E+00	5.06E-10
4386	419514.1	3740942	1.36E-09	3.39E-09	0.00E+00	0.00E+00	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	3.39E-09	0.00E+00	0.00E+00	4.75E-09	1.71E-10	3.32E-10	0.00E+00	0.00E+00	5.03E-10
4387	419504.4	3740940	1.35E-09	3.37E-09	0.00E+00	0.00E+00	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	3.37E-09	0.00E+00	0.00E+00	4.72E-09	1.70E-10	3.30E-10	0.00E+00	0.00E+00	5.00E-10
4388	419490	3740930	1.36E-09	3.38E-09	0.00E+00	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-09	3.38E-09	0.00E+00	0.00E+00	4.73E-09	1.70E-10	3.31E-10	0.00E+00	0.00E+00	5.01E-10
4389	419485.4	3740922	1.37E-09	3.40E-09	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-09	3.40E-09	0.00E+00	0.00E+00	4.77E-09	1.72E-10	3.33E-10	0.00E+00	0.00E+00	5.05E-10
4390	419480.9	3740913	1.38E-09	3.43E-09	0.00E+00	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-09	3.43E-09	0.00E+00	0.00E+00	4.81E-09	1.73E-10	3.36E-10	0.00E+00	0.00E+00	5.09E-10
4391	419476.3	3740904	1.39E-09	3.46E-09	0.00E+00	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-09	3.46E-09	0.00E+00	0.00E+00	4.85E-09	1.75E-10	3.39E-10	0.00E+00	0.00E+00	5.13E-10
4392	419471.7	3740895	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	3.49E-09	0.00E+00	0.00E+00	4.89E-09	1.76E-10	3.42E-10	0.00E+00	0.00E+00	5.18E-10
4393	419467.1	3740887	1.41E-09	3.52E-09	0.00E+00	0.00E+00	4.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	3.52E-09	0.00E+00	0.00E+00	4.93E-09	1.78E-10	3.44E-10	0.00E+00	0.00E+00	5.22E-10
4394	419462.6	3740878	1.42E-09	3.55E-09	0.00E+00	0.00E+00	4.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-09	3.55E-09	0.00E+00	0.00E+00	4.97E-09	1.79E-10	3.47E-10	0.00E+00	0.00E+00	5.26E-10
4395	419458	3740869	1.44E-09	3.58E-09	0.00E+00	0.00E+00	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-09	3.58E-09	0.00E+00	0.00E+00	5.01E-09	1.81E-10	3.50E-10	0.00E+00	0.00E+00	5.31E-10
4396	419453.4	3740860	1.45E-09	3.61E-09	0.00E+00	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-09	3.61E-09	0.00E+00	0.00E+00	5.06E-09	1.82E-10	3.53E-10	0.00E+00	0.00E+00	5.35E-10
4397	419448.8	3740852	1.46E-09	3.64E-09	0.00E+00	0.00E+00	5.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	3.64E-09	0.00E+00	0.00E+00	5.10E-09	1.84E-10	3.56E-10	0.00E+00	0.00E+00	5.40E-10
4398	419444.3	3740843	1.47E-09	3.67E-09	0.00E+00	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-09	3.67E-09	0.00E+00	0.00E+00	5.14E-09	1.85E-10	3.59E-10	0.00E+00	0.00E+00	5.45E-10
4399	419439.7	3740834	1.49E-09	3.70E-09	0.00E+00	0.00E+00	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-09	3.70E-09	0.00E+00	0.00E+00	5.19E-09	1.87E-10	3.62E-10	0.00E+00	0.00E+00	5.49E-10
4400	419435.1	3740825	1.50E-09	3.73E-09	0.00E+00	0.00E+00	5.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-09	3.73E-09	0.00E+00	0.00E+00	5.23E-09	1.88E-10	3.66E-10	0.00E+00	0.00E+00	5.54E-10
4401	419416.8	3740790	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	3.86E-09	0.00E+00	0.00E+00	5.40E-09	1.95E-10	3.78E-10	0.00E+00	0.00E+00	5.72E-10
4402	419412.2	3740782	1.56E-09	3.89E-09	0.00E+00	0.00E+00	5.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	3.89E-09	0.00E+00	0.00E+00	5.45E-09	1.96E-10	3.81E-10	0.00E+00	0.00E+00	5.77E-10
4403	419407.7	3740773	1.57E-09	3.92E-09	0.00E+00	0.00E+00	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-09	3.92E-09	0.00E+00	0.00E+00	5.49E-09	1.98E-10	3.84E-10	0.00E+00	0.00E+00	5.82E-10
4404	419403.1	3740764	1.59E-09	3.95E-09	0.00E+00	0.00E+00	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-09	3.95E-09	0.00E+00	0.00E+00	5.54E-09	1.99E-10	3.87E-10	0.00E+00	0.00E+00	5.87E-10
4405	419398.5	3740755	1.60E-09	3.99E-09	0.00E+00	0.00E+00	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-09	3.99E-09	0.00E+00	0.00E+00	5.58E-09	2.01E-10	3.90E-10	0.00E+00	0.00E+00	5.91E-10
4406	419393.9	3740747	1.61E-09	4.02E-09	0.00E+00	0.00E+00	5.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-09	4.02E-09	0.00E+00	0.00E+00	5.63E-09	2.03E-10	3.93E-10	0.00E+00	0.00E+00	5.96E-10
4407	419389.4	3740738	1.62E-09	4.05E-09	0.00E+00	0.00E+00	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-09	4.05E-09	0.00E+00	0.00E+00	5.67E-09	2.04E-10	3.97E-10	0.00E+00	0.00E+00	6.01E-10
4408	419384.8	3740729	1.64E-09	4.08E-09	0.00E+00	0.00E+00	5.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-09	4.08E-09	0.00E+00	0.00E+00	5.72E-09	2.06E-10	4.00E-10	0.00E+00	0.00E+00	6.06E-10
4409	419380.2	3740720	1.65E-09	4.11E-09	0.00E+00	0.00E+00	5.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-09	4.11E-09	0.00E+00	0.00E+00	5.76E-09	2.07E-10	4.02E-10	0.00E+00	0.00E+00	6.10E-10
4410	419375.6	3740712	1.66E-09	4.14E-09	0.00E+00	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-09	4.14E-09	0.00E+00	0.00E+00	5.80E-09	2.09E-10	4.05E-10	0.00E+00	0.00E+00	6.14E-10
4411	419371.1	3740703	1.67E-09	4.17E-09	0.00E+00	0.00E+00	5.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-09	4.17E-09	0.00E+00	0.00E+00	5.84E-09	2.10E-10	4.08E-10	0.00E+00	0.00E+00	6.18E-10
4412	419366.5	3740694	1.68E-09	4.20E-09	0.00E+00	0.00E+00	5.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-09	4.20E-09	0.00E+00	0.00E+00	5.88E-09	2.12E-10	4.11E-10	0.00E+00	0.00E+00	6.22E-10
4413	419361.9	3740685	1.69E-09	4.22E-09	0.00E+00	0.00E+00	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-09	4.22E-09	0.00E+00	0.00E+00	5.92E-09	2.13E-10	4.14E-10	0.00E+00	0.00E+00	6.27E-10
4414	419357.3	3740677	1.71E-09	4.25E-09	0.00E+00	0.00E+00	5.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-09	4.25E-09	0.00E+00	0.00E+00	5.96E-09	2.14E-10	4.16E-10	0.00E+00	0.00E+00	6.31E-10
4415	419352.8	3740668	1.72E-09	4.28E-09	0.00E+00	0.00E+00	5.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-09	4.28E-09	0.00E+00	0.00E+00	5.99E-09	2.16E-10	4.19E-10	0.00E+00	0.00E+00	6.35E-10
4416	419348.2	3740659	1.73E-09	4.30E-09	0.00E+00	0.00E+00	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-09	4.30E-09	0.00E+00	0.00E+00	6.03E-09	2.17E-10	4.21E-10	0.00E+00	0.00E+00	6.39E-10
4417	419343.6	3740650	1.74E-09	4.33E-09	0.00E+00	0.00E+00	6.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-09	4.33E-09	0.00E+00	0.00E+00	6.07E-09	2.18E-10	4.24E-10	0.00E+00	0.00E+00	6.42E-10
4418	419339	3740642	1.75E-09	4.35E-09	0.00E+00	0.00E+00	6.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-09	4.35E-09	0.00E+00	0.00E+00	6.10E-09	2.20E-10	4.26E-10	0.00E+00	0.00E+00	6.46E-10
4419	419334.5	3740633	1.76E-09	4.38E-09	0.00E+00	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	4.38E-09	0.00E+00	0.00E+00	6.13E-09	2.21E-10	4.29E-10	0.00E+00	0.00E+00	6.49E-10
4420	419329.9	3740624	1.76E-09	4.40E-09	0.00E+00	0.00E+00	6.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-09	4.40E-09	0.00E+00	0.00E+00	6.16E-09	2.22E-10	4.31E-10	0.00E+00	0.00E+00	6.53E-10
4421	419325.3	3740616	1.77E-09	4.42E-09	0.00E+00	0.00E+00	6.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-09	4.42E-09	0.00E+00	0.00E+00	6.19E-09	2.23E-10	4.32E-10	0.00E+00	0.00E+00	6.55E-10
4422	419320.7	3740607	1.78E-09	4.43E-09	0.00E+00	0.00E+00	6.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-09	4.43E-09	0.00E+00	0.00E+00	6.21E-09	2.24E-10	4.34E-10	0.00E+00	0.00E+00	6.58E-10
4423	419302.4	3740572	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.48E-09	0.00E+00	0.00E+00	6.28E-09	2.26E-10	4.39E-10	0.00E+00	0.00E+00	6.65E-10
4424	419297.9	3740563	1.80E-09	4.49E-09	0.00E+00	0.00E+00	6.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-09	4.49E-09	0.00E+00	0.00E+00	6.29E-09	2.27E-10	4.40E-10	0.00E+00	0.00E+00	6.66E-10
4425	419293.3	3740554	1.81E-09	4.50E-09	0.00E+00	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.50E-09	0.00E+00	0.00E+00	6.30E-09	2.27E-10	4.41E-10	0.00E+00	0.00E+00	6.68E-10
4426	419288.7	3740546	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.31E-09	2.27E-10	4.41E-10	0.00E+00	0.00E+00	6.69E-10
4427	419284.1	3740537	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	2.28E-10	4.42E-10	0.00E+00	0.00E+00	6.69E-10
4428	419279.6	3740528	1.81E-09	4.51E-09	0.00E+00	0.00E+00	6.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-09	4.51E-09

4477	420516	3741023	3.43E-09	8.56E-09	0.00E+00	0.00E+00	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	8.56E-09	0.00E+00	0.00E+00	1.20E-08	4.32E-10	8.38E-10	0.00E+00	0.00E+00	1.27E-09
4478	420525.4	3741020	3.47E-09	8.65E-09	0.00E+00	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-09	8.65E-09	0.00E+00	0.00E+00	1.21E-08	4.37E-10	8.47E-10	0.00E+00	0.00E+00	1.28E-09
4479	420534.7	3741016	3.51E-09	8.75E-09	0.00E+00	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-09	8.75E-09	0.00E+00	0.00E+00	1.23E-08	4.41E-10	8.56E-10	0.00E+00	0.00E+00	1.30E-09
4480	420544.1	3741013	3.55E-09	8.84E-09	0.00E+00	0.00E+00	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-09	8.84E-09	0.00E+00	0.00E+00	1.24E-08	4.46E-10	8.65E-10	0.00E+00	0.00E+00	1.31E-09
4481	420239.1	3740026	1.21E-07	3.02E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-07	3.02E-07	0.00E+00	0.00E+00	4.23E-07	1.52E-08	2.95E-08	0.00E+00	0.00E+00	4.48E-08
4482	420239	3740017	9.94E-08	2.48E-07	0.00E+00	0.00E+00	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-08	2.48E-07	0.00E+00	0.00E+00	3.47E-07	1.25E-08	2.43E-08	0.00E+00	0.00E+00	3.68E-08
4483	420239	3740008	8.07E-08	2.01E-07	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-08	2.01E-07	0.00E+00	0.00E+00	2.82E-07	1.02E-08	1.97E-08	0.00E+00	0.00E+00	2.99E-08
4484	420246.9	3740078	1.81E-07	4.50E-07	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-07	4.50E-07	0.00E+00	0.00E+00	6.31E-07	2.27E-08	4.41E-08	0.00E+00	0.00E+00	6.68E-08
4485	420249.1	3740026	9.80E-08	2.44E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-08	2.44E-07	0.00E+00	0.00E+00	3.42E-07	1.23E-08	2.39E-08	0.00E+00	0.00E+00	3.62E-08
4486	420249	3740017	8.23E-08	2.05E-07	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-08	2.05E-07	0.00E+00	0.00E+00	2.87E-07	1.04E-08	2.01E-08	0.00E+00	0.00E+00	3.04E-08
4487	420257	3740078	1.48E-07	3.68E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-07	3.68E-07	0.00E+00	0.00E+00	5.16E-07	1.86E-08	3.61E-08	0.00E+00	0.00E+00	5.47E-08
4488	420252.5	3740092	1.62E-07	4.05E-07	0.00E+00	0.00E+00	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-07	4.05E-07	0.00E+00	0.00E+00	5.67E-07	2.04E-08	3.96E-08	0.00E+00	0.00E+00	6.00E-08
4489	420244.2	3740104	1.79E-07	4.46E-07	0.00E+00	0.00E+00	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	4.46E-07	0.00E+00	0.00E+00	6.25E-07	2.25E-08	4.37E-08	0.00E+00	0.00E+00	6.62E-08
4490	420259.1	3740025	8.16E-08	2.03E-07	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-08	2.03E-07	0.00E+00	0.00E+00	2.85E-07	1.03E-08	1.99E-08	0.00E+00	0.00E+00	3.02E-08
4491	420259	3740016	6.98E-08	1.74E-07	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-08	1.74E-07	0.00E+00	0.00E+00	2.44E-07	8.78E-09	1.70E-08	0.00E+00	0.00E+00	2.58E-08
4492	420259	3740007	5.94E-08	1.48E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-08	1.48E-07	0.00E+00	0.00E+00	2.07E-07	7.47E-09	1.45E-08	0.00E+00	0.00E+00	2.20E-08
4493	420267.1	3740077	1.23E-07	3.06E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	3.06E-07	0.00E+00	0.00E+00	4.29E-07	1.55E-08	3.00E-08	0.00E+00	0.00E+00	4.55E-08
4494	420262.8	3740091	1.37E-07	3.40E-07	0.00E+00	0.00E+00	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-07	3.40E-07	0.00E+00	0.00E+00	4.77E-07	1.72E-08	3.33E-08	0.00E+00	0.00E+00	5.05E-08
4495	420252.6	3740110	1.54E-07	3.83E-07	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	3.83E-07	0.00E+00	0.00E+00	5.37E-07	1.93E-08	3.75E-08	0.00E+00	0.00E+00	5.68E-08
4496	420241	3740118	1.70E-07	4.24E-07	0.00E+00	0.00E+00	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	4.24E-07	0.00E+00	0.00E+00	5.94E-07	2.14E-08	4.15E-08	0.00E+00	0.00E+00	6.29E-08
4497	420269.1	3740034	7.94E-08	1.98E-07	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-08	1.98E-07	0.00E+00	0.00E+00	2.77E-07	9.98E-09	1.94E-08	0.00E+00	0.00E+00	2.94E-08
4498	420269.1	3740025	6.95E-08	1.73E-07	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-08	1.73E-07	0.00E+00	0.00E+00	2.43E-07	8.75E-09	1.70E-08	0.00E+00	0.00E+00	2.57E-08
4499	420269	3740016	6.03E-08	1.50E-07	0.00E+00	0.00E+00	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08	1.50E-07	0.00E+00	0.00E+00	2.11E-07	7.59E-09	1.47E-08	0.00E+00	0.00E+00	2.23E-08
4500	420269	3740007	5.21E-08	1.30E-07	0.00E+00	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-08	1.30E-07	0.00E+00	0.00E+00	1.82E-07	6.56E-09	1.27E-08	0.00E+00	0.00E+00	1.93E-08
4501	420276.8	3740078	1.05E-07	2.63E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.63E-07	0.00E+00	0.00E+00	3.68E-07	1.33E-08	2.57E-08	0.00E+00	0.00E+00	3.90E-08
4502	420271.7	3740095	1.19E-07	2.97E-07	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.97E-07	0.00E+00	0.00E+00	4.15E-07	1.50E-08	2.90E-08	0.00E+00	0.00E+00	4.40E-08
4503	420259.8	3740116	1.35E-07	3.38E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	3.38E-07	0.00E+00	0.00E+00	4.73E-07	1.70E-08	3.31E-08	0.00E+00	0.00E+00	5.01E-08
4504	420246.3	3740126	1.51E-07	3.75E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	3.75E-07	0.00E+00	0.00E+00	5.26E-07	1.89E-08	3.67E-08	0.00E+00	0.00E+00	5.57E-08
4505	420279.1	3740034	6.79E-08	1.69E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-08	1.69E-07	0.00E+00	0.00E+00	2.37E-07	8.54E-09	1.66E-08	0.00E+00	0.00E+00	2.51E-08
4506	420279.1	3740025	6.01E-08	1.50E-07	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-08	1.50E-07	0.00E+00	0.00E+00	2.10E-07	7.56E-09	1.47E-08	0.00E+00	0.00E+00	2.22E-08
4507	420279	3740016	5.28E-08	1.32E-07	0.00E+00	0.00E+00	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-08	1.32E-07	0.00E+00	0.00E+00	1.85E-07	6.65E-09	1.29E-08	0.00E+00	0.00E+00	1.95E-08
4508	420286.9	3740078	9.02E-08	2.25E-07	0.00E+00	0.00E+00	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-08	2.25E-07	0.00E+00	0.00E+00	3.15E-07	1.13E-08	2.20E-08	0.00E+00	0.00E+00	3.33E-08
4509	420282	3740093	1.02E-07	2.54E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	2.54E-07	0.00E+00	0.00E+00	3.56E-07	1.28E-08	2.49E-08	0.00E+00	0.00E+00	3.77E-08
4510	420277.2	3740109	1.10E-07	2.73E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.73E-07	0.00E+00	0.00E+00	3.83E-07	1.38E-08	2.68E-08	0.00E+00	0.00E+00	4.06E-08
4511	420268.3	3740122	1.19E-07	2.97E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-07	2.97E-07	0.00E+00	0.00E+00	4.16E-07	1.50E-08	2.91E-08	0.00E+00	0.00E+00	4.40E-08
4512	420255.4	3740131	1.32E-07	3.28E-07	0.00E+00	0.00E+00	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	3.28E-07	0.00E+00	0.00E+00	4.59E-07	1.65E-08	3.21E-08	0.00E+00	0.00E+00	4.86E-08
4513	420289.3	3740061	7.80E-08	1.94E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-08	1.94E-07	0.00E+00	0.00E+00	2.72E-07	9.81E-09	1.90E-08	0.00E+00	0.00E+00	2.88E-08
4514	420289.1	3740034	5.90E-08	1.47E-07	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-08	1.47E-07	0.00E+00	0.00E+00	2.06E-07	7.42E-09	1.44E-08	0.00E+00	0.00E+00	2.18E-08
4515	420289.1	3740025	5.27E-08	1.31E-07	0.00E+00	0.00E+00	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-08	1.31E-07	0.00E+00	0.00E+00	1.84E-07	6.63E-09	1.29E-08	0.00E+00	0.00E+00	1.95E-08
4516	420289	3740016	4.68E-08	1.17E-07	0.00E+00	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-08	1.17E-07	0.00E+00	0.00E+00	1.64E-07	5.89E-09	1.14E-08	0.00E+00	0.00E+00	1.73E-08
4517	420289	3740007	4.14E-08	1.03E-07	0.00E+00	0.00E+00	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-08	1.03E-07	0.00E+00	0.00E+00	1.45E-07	5.21E-09	1.01E-08	0.00E+00	0.00E+00	1.53E-08
4518	420297	3740078	7.81E-08	1.95E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-08	1.95E-07	0.00E+00	0.00E+00	2.73E-07	9.83E-09	1.91E-08	0.00E+00	0.00E+00	2.89E-08
4519	420292.3	3740093	8.83E-08	2.20E-07	0.00E+00	0.00E+00	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-08	2.20E-07	0.00E+00	0.00E+00	3.08E-07	1.11E-08	2.16E-08	0.00E+00	0.00E+00	3.27E-08
4520	420287.6	3740107	9.59E-08	2.39E-07	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-08	2.39E-07	0.00E+00	0.00E+00	3.35E-07	1.21E-08	2.34E-08	0.00E+00	0.00E+00	3.55E-08
4521	420276.7	3740127	1.06E-07	2.64E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-07	2.64E-07	0.00E+00	0.00E+00	3.70E-07	1.33E-08	2.59E-08	0.00E+00	0.00E+00	3.92E-08
4522	420264.3	3740137	1.16E-07	2.89E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	2.89E-07	0.00E+00	0.00E+00	4.05E-07	1.46E-08	2.83E-08	0.00E+00	0.00E+00	4.29E-08
4523	420251.9	3740146	1.23E-07	3.06E-07	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-07	3.06E-07	0.00E+00	0.00E+00	4.28E-07	1.54E-08	2.99E-08	0.00E+00	0.00E+00	4.53E-08
4524	420299.3	3740061	6.78E-08	1.69E-07	0.00E+00	0.00E+00	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-08	1.69E-07	0.00E+00	0.00E+00	2.37E-07	8.53E-09	1.65E-08	0.00E+00	0.00E+00	2.51E-08
4525	420299.1	3740034	5.19E-08	1.29E-07	0.00E+00	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-08	1.29E-07	0.00E+00	0.00E+00	1.81E-07	6.52E-09	1.27E-08	0.00E+00	0.00E+00	1.92E-08
4526	420299.1	3740025	4.67E-08	1.16E-07	0.00E+00	0.00E+00	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-08	1.16E-07	0.00E+00	0.00E+00	1.63E-07	5.88E-09	1.14E-08	0.00E+00	0.00E+00	1.73E-08
4527	420299	3740016	4.19E-08	1.04E-07	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-08	1.04E-07	0.00E+00	0.00E+00	1.46E-07	5.27E-09	1.02E-08	0.00E+00	0.00E+00	1.55E-08
4528	420306.7	3740078	6.90E-08	1.72E-07	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-08	1.72E-07	0.00E+00	0.00E+00	2.41E-07	8.68E-09	1.68E-08	0.00E+00	0.00E+00	2.55E-08
4529	420301.5	3740095	7.89E-08	1.97E-07	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-08	1.97E-07	0.00E+00	0.00E+00	2.75E-07	9.92E-09	1.92E-08	0.00E+00	0.00E+00	2.92E-08
4530	420296.3	3740112	8.62E-08	2.15E-07	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-08	2.15E-07	0.00E+00	0.00E+00	3.01E-07	1.08E-08	2.10E-08	0.00E+00	0.00E+00	3.19E-08
4531	420284.2	3740133	9.57E-08	2.39E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-08	2.39E-07	0.00E+00	0.00E+00	3.34E-07	1.20E-08	2.34E-08	0.00E+00	0.00E+00	3.54E-08
4532	420270.4	3740144	1.05E-07	2.61E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	2.61E-07	0.00E+00	0.00E+00	3.66E-07	1.32E-08	2.56E-08	0.00E+00	0.00E+00	3.88E-08
4533	420256.6	3740154	1.10E-07	2.75E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-07	2.75E-07	0.00E+00	0.00E+00	3.86E-07	1.39E-08	2.70E-08	0.00E+00	0.00E+00	4.09E-08
4534	420309.3	3740061	5.95E-08	1.48E-07	0.00E+00	0.00E+00	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-08	1.48E-07	0.00E+00	0.00E+00	2.08E-07	7.49E-09	1.45E-08	0.00E+00	0.00E+00	2.20E-08
4535	420309.1	3740025	4.18E-08	1.04E-07	0.00E+00	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-08	1.04E-07	0.00E+00	0.00E+00	1.46E-07	5.26E-09	1.02E-08	0.00E+00	0.00E+00	1.55E-08
4536	420309	3740016	3.77E-08	9.39E-08	0.00E+00	0.00E+00	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-08	9.39E-08	0.00E+00	0.00E+00	1.32E-07	4.74E-09	9.20E-09	0.00E+00	0.00E+00	1.39E-08
4537	420309	3740007	3.39E-08	8.45E-08	0.00E+00	0.00E+00	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-08	8.45E-08	0.00E+00	0.00E+00	1.18E-07	4.26E-09	8.27E-09	0.00E+00	0.00E+00	1.25E-08
4538	420326.9	3740078	5.40E-08	1.35E-07	0.00E+00	0.00E+00	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-08	1.35E-07	0.00E+00	0.00E+00	1.89E-07	6.79E-09	1.32E-08	0.00E+00	0.00E+00	2.00E-08
4539	420322	3740093	6.14E-08	1.53E-07	0.00E+00	0.00E+00	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-08	1.53E-07	0.00E+00	0.00E+00	2.14E-07	7.72E-09	1.50E-08	0.00E+00	0.00E+00	2.27E-08
4540	420317.2	3740109	6.76E-08	1.68E-07	0.00E+00	0.00E+00	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-08	1.68E-07	0.00E+00	0.00E+00	2.36E-07	8.50E-09	1.65E-08	0.00E+00	0.00E+00	2.50E-08
4541	420312.4	3740124	7.20E-08	1.80E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-08	1.80E-07	0.00E+00	0.00E+00	2.52E-07	9.06E-09	1.76E-08	0.00E+00	0.00E+00	2.66E-08
4542	420301.1	3740145	7.83E-08	1.95E-07	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-08	1.95E-07	0.00E+00	0.00E+00	2.74E-07	9.85E-09	1.91E-08	0.00E+00	0.00E+00	2.90E-08
4543	420288.2	3740154	8.49E-08	2.12E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-08	2.12E-07	0.00E+00	0.00E+00	2.96E-07	1.07E-08	2.07E-08	0.00E+00	0.00E+00	3.14E-08
4544	420275.3	3740164	8.95E-08	2.23E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-08	2.23E-07	0.00E+00	0.00E+00	3.13E-07	1.13E-08	2.19E-08	0.00E+00	0.00E+00	3.31E-08
4545	420262.4	3740174	9.21E-08	2.30E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-08	2.30E-07	0.00E+00	0.00E+00	3.22E-07	1.16E-08	2.25E-08	0.00E+00	0.00E+00	3.41E-08
4546	420329.3	3740061	4.71E-08	1.18E-07	0.00E+00	0.00E+00	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-08	1.18E-07	0.00E+00	0.00E+00	1.65E-07	5.93E-09	1.15E-08	0.00E+00	0.00E+00	1.74E-08
4547	420329.2	3740052	4.40E-08	1.10E-07	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-08	1.10E-07	0.00E+00	0.00E+00	1.54E-07	5.53E-09	1.07E-08	0.00E+00	0.00E+00	1.63E-08
4548	420329.1	3740025	3.42E-08	8.52E-08	0.00E+00	0.00E+00	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-08	8.52E-08	0.00E+00	0.00E+00	1.19E-07	4.30E-09	8.35E-09	0.00E+00	0.00E+00	1.26E-08
4549	420329	3740016	3.12E-08	7.77E-08	0.00E+00	0.00E+00	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-08	7.77E-08	0.00E+00	0.00E+00	1.09E-07	3.92E-09	7.60E-09	0.00E+00	0.00E+00	1.15E-08
4550	420346.8	3740078	4.38E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	5.51E-09	1.07E-08	0.00E+00	0.00E+00	1.62E-08
4551	420341.7	3740094	4.99E-08	1.24E-07	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-08	1.24E-07	0.00E+00	0.00E+00	1.74E-07	6.28E-09	1.22E-08	0.00E+00	0.00E+00	1.85E-08
4552	420336.6	3740111	5.52E-08	1.38E-07	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-08	1.38E-07	0.00E+00	0.00E+00	1.93E-07	6.95E-09	1.35E-08	0.00E+00	0.00E+00	2.04E-08
4553	420331.5	3740127	5.93E-08	1.48E-07	0.00E+00	0.00E+00	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-08	1.48E-07	0.00E+00	0.00E+00	2.07E-07	7.46E-09	1.45E-08	0.00E+00	0.00E+00	2.19E-08
4554	420326.4	3740143	6.19E-08	1.54E-07	0.00E+00	0.00E+00	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	1.54E-07	0.00E+00	0.00E+00	2.16E-07	7.79E-09	1.51E-08	0.00E+00	0.00E+00	2.29E-08
4555	420317.1	3740156	6.57E-08	1.64E-07	0.00E+00	0.00E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-08	1.64E-07	0.00E+00	0.00E+00	2.29E-07	8.26E-09	1.60E-08	0.00E+00	0.00E+00	2.43E-08
4556	420303.6	3740167	7.11E-08	1.77E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-08	1.77E-07	0.00E+00	0.00E+00	2.48E-07

4605	420297	3740243	5.06E-08	1.26E-07	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	1.26E-07	0.00E+00	0.00E+00	1.77E-07	6.37E-09	1.24E-08	0.00E+00	0.00E+00	1.87E-08
4606	420409.3	3740061	2.34E-08	5.82E-08	0.00E+00	0.00E+00	8.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	5.82E-08	0.00E+00	0.00E+00	8.16E-08	2.94E-09	5.70E-09	0.00E+00	0.00E+00	8.64E-09
4607	420409.2	3740052	2.21E-08	5.52E-08	0.00E+00	0.00E+00	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	5.52E-08	0.00E+00	0.00E+00	7.73E-08	2.78E-09	5.40E-09	0.00E+00	0.00E+00	8.19E-09
4608	420409.2	3740043	2.09E-08	5.21E-08	0.00E+00	0.00E+00	7.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	5.21E-08	0.00E+00	0.00E+00	7.30E-08	2.63E-09	5.10E-09	0.00E+00	0.00E+00	7.74E-09
4609	420409.1	3740034	1.97E-08	4.91E-08	0.00E+00	0.00E+00	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	4.91E-08	0.00E+00	0.00E+00	6.88E-08	2.48E-09	4.81E-09	0.00E+00	0.00E+00	7.29E-09
4610	420409.1	3740025	1.85E-08	4.62E-08	0.00E+00	0.00E+00	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	4.62E-08	0.00E+00	0.00E+00	6.47E-08	2.33E-09	4.52E-09	0.00E+00	0.00E+00	6.85E-09
4611	420426.6	3740078	2.27E-08	5.65E-08	0.00E+00	0.00E+00	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	5.65E-08	0.00E+00	0.00E+00	7.91E-08	2.85E-09	5.53E-09	0.00E+00	0.00E+00	8.38E-09
4612	420421.3	3740095	2.54E-08	6.33E-08	0.00E+00	0.00E+00	8.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-08	6.33E-08	0.00E+00	0.00E+00	8.87E-08	3.19E-09	6.20E-09	0.00E+00	0.00E+00	9.39E-09
4613	420416	3740112	2.81E-08	7.00E-08	0.00E+00	0.00E+00	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-08	7.00E-08	0.00E+00	0.00E+00	9.81E-08	3.53E-09	6.85E-09	0.00E+00	0.00E+00	1.04E-08
4614	420410.7	3740129	3.06E-08	7.63E-08	0.00E+00	0.00E+00	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-08	7.63E-08	0.00E+00	0.00E+00	1.07E-07	3.85E-09	7.47E-09	0.00E+00	0.00E+00	1.13E-08
4615	420405.3	3740146	3.27E-08	8.15E-08	0.00E+00	0.00E+00	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-08	8.15E-08	0.00E+00	0.00E+00	1.14E-07	4.11E-09	7.98E-09	0.00E+00	0.00E+00	1.21E-08
4616	420400	3740163	3.43E-08	8.55E-08	0.00E+00	0.00E+00	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-08	8.55E-08	0.00E+00	0.00E+00	1.20E-07	4.31E-09	8.37E-09	0.00E+00	0.00E+00	1.27E-08
4617	420394.7	3740180	3.54E-08	8.83E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-08	8.83E-08	0.00E+00	0.00E+00	1.24E-07	4.45E-09	8.64E-09	0.00E+00	0.00E+00	1.31E-08
4618	420382.3	3740202	3.75E-08	9.35E-08	0.00E+00	0.00E+00	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-08	9.35E-08	0.00E+00	0.00E+00	1.31E-07	4.72E-09	9.15E-09	0.00E+00	0.00E+00	1.39E-08
4619	420368.1	3740213	4.01E-08	9.99E-08	0.00E+00	0.00E+00	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-08	9.99E-08	0.00E+00	0.00E+00	1.40E-07	5.04E-09	9.78E-09	0.00E+00	0.00E+00	1.48E-08
4620	420353.9	3740224	4.22E-08	1.05E-07	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-08	1.05E-07	0.00E+00	0.00E+00	1.47E-07	5.31E-09	1.03E-08	0.00E+00	0.00E+00	1.56E-08
4621	420339.7	3740235	4.37E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-08	1.09E-07	0.00E+00	0.00E+00	1.53E-07	5.50E-09	1.07E-08	0.00E+00	0.00E+00	1.62E-08
4622	420325.5	3740246	4.46E-08	1.11E-07	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-08	1.11E-07	0.00E+00	0.00E+00	1.56E-07	5.61E-09	1.09E-08	0.00E+00	0.00E+00	1.65E-08
4623	420311.3	3740256	4.47E-08	1.11E-07	0.00E+00	0.00E+00	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-08	1.11E-07	0.00E+00	0.00E+00	1.56E-07	5.62E-09	1.09E-08	0.00E+00	0.00E+00	1.65E-08
4624	420297.1	3740267	4.40E-08	1.10E-07	0.00E+00	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-08	1.10E-07	0.00E+00	0.00E+00	1.54E-07	5.53E-09	1.07E-08	0.00E+00	0.00E+00	1.63E-08
4625	420429.3	3740061	2.03E-08	5.07E-08	0.00E+00	0.00E+00	7.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	5.07E-08	0.00E+00	0.00E+00	7.10E-08	2.56E-09	4.96E-09	0.00E+00	0.00E+00	7.52E-09
4626	420429.2	3740052	1.94E-08	4.82E-08	0.00E+00	0.00E+00	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	4.82E-08	0.00E+00	0.00E+00	6.76E-08	2.43E-09	4.72E-09	0.00E+00	0.00E+00	7.16E-09
4627	420429.2	3740043	1.84E-08	4.58E-08	0.00E+00	0.00E+00	6.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	4.58E-08	0.00E+00	0.00E+00	6.41E-08	2.31E-09	4.48E-09	0.00E+00	0.00E+00	6.79E-09
4628	420429.1	3740034	1.74E-08	4.33E-08	0.00E+00	0.00E+00	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	4.33E-08	0.00E+00	0.00E+00	6.06E-08	2.18E-09	4.24E-09	0.00E+00	0.00E+00	6.42E-09
4629	420429.1	3740025	1.64E-08	4.09E-08	0.00E+00	0.00E+00	5.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	4.09E-08	0.00E+00	0.00E+00	5.72E-08	2.06E-09	4.00E-09	0.00E+00	0.00E+00	6.06E-09
4630	420429	3740016	1.54E-08	3.85E-08	0.00E+00	0.00E+00	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	3.85E-08	0.00E+00	0.00E+00	5.39E-08	1.94E-09	3.77E-09	0.00E+00	0.00E+00	5.71E-09
4631	420446.7	3740078	1.98E-08	4.93E-08	0.00E+00	0.00E+00	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	4.93E-08	0.00E+00	0.00E+00	6.91E-08	2.49E-09	4.83E-09	0.00E+00	0.00E+00	7.31E-09
4632	420441.6	3740094	2.20E-08	5.48E-08	0.00E+00	0.00E+00	7.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	5.48E-08	0.00E+00	0.00E+00	7.68E-08	2.76E-09	5.36E-09	0.00E+00	0.00E+00	8.13E-09
4633	420436.5	3740110	2.42E-08	6.03E-08	0.00E+00	0.00E+00	8.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	6.03E-08	0.00E+00	0.00E+00	8.45E-08	3.04E-09	5.90E-09	0.00E+00	0.00E+00	8.94E-09
4634	420431.4	3740127	2.63E-08	6.55E-08	0.00E+00	0.00E+00	9.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-08	6.55E-08	0.00E+00	0.00E+00	9.18E-08	3.31E-09	6.42E-09	0.00E+00	0.00E+00	9.72E-09
4635	420426.2	3740143	2.81E-08	7.01E-08	0.00E+00	0.00E+00	9.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-08	7.01E-08	0.00E+00	0.00E+00	9.82E-08	3.54E-09	6.86E-09	0.00E+00	0.00E+00	1.04E-08
4636	420421.1	3740159	2.96E-08	7.39E-08	0.00E+00	0.00E+00	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-08	7.39E-08	0.00E+00	0.00E+00	1.04E-07	3.73E-09	7.23E-09	0.00E+00	0.00E+00	1.10E-08
4637	420416	3740176	3.10E-08	7.73E-08	0.00E+00	0.00E+00	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-08	7.73E-08	0.00E+00	0.00E+00	1.08E-07	3.90E-09	7.57E-09	0.00E+00	0.00E+00	1.15E-08
4638	420410.8	3740192	3.18E-08	7.93E-08	0.00E+00	0.00E+00	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-08	7.93E-08	0.00E+00	0.00E+00	1.11E-07	4.00E-09	7.77E-09	0.00E+00	0.00E+00	1.18E-08
4639	420398.9	3740214	3.34E-08	8.32E-08	0.00E+00	0.00E+00	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-08	8.32E-08	0.00E+00	0.00E+00	1.17E-07	4.20E-09	8.15E-09	0.00E+00	0.00E+00	1.23E-08
4640	420385.2	3740224	3.55E-08	8.84E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-08	8.84E-08	0.00E+00	0.00E+00	1.24E-07	4.46E-09	8.66E-09	0.00E+00	0.00E+00	1.31E-08
4641	420371.6	3740235	3.72E-08	9.27E-08	0.00E+00	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-08	9.27E-08	0.00E+00	0.00E+00	1.30E-07	4.68E-09	9.08E-09	0.00E+00	0.00E+00	1.38E-08
4642	420357.9	3740245	3.86E-08	9.61E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-08	9.61E-08	0.00E+00	0.00E+00	1.35E-07	4.85E-09	9.41E-09	0.00E+00	0.00E+00	1.43E-08
4643	420344.3	3740255	3.94E-08	9.82E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-08	9.82E-08	0.00E+00	0.00E+00	1.38E-07	4.95E-09	9.61E-09	0.00E+00	0.00E+00	1.46E-08
4644	420330.6	3740266	3.97E-08	9.89E-08	0.00E+00	0.00E+00	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-08	9.89E-08	0.00E+00	0.00E+00	1.39E-07	4.99E-09	9.69E-09	0.00E+00	0.00E+00	1.47E-08
4645	420317	3740276	3.95E-08	9.85E-08	0.00E+00	0.00E+00	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-08	9.85E-08	0.00E+00	0.00E+00	1.38E-07	4.97E-09	9.64E-09	0.00E+00	0.00E+00	1.46E-08
4646	420303.3	3740286	3.88E-08	9.66E-08	0.00E+00	0.00E+00	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-08	9.66E-08	0.00E+00	0.00E+00	1.35E-07	4.87E-09	9.46E-09	0.00E+00	0.00E+00	1.43E-08
4647	420449.3	3740060	1.79E-08	4.46E-08	0.00E+00	0.00E+00	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	4.46E-08	0.00E+00	0.00E+00	6.25E-08	2.25E-09	4.37E-09	0.00E+00	0.00E+00	6.62E-09
4648	420449.2	3740051	1.71E-08	4.26E-08	0.00E+00	0.00E+00	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	4.26E-08	0.00E+00	0.00E+00	5.97E-08	2.15E-09	4.17E-09	0.00E+00	0.00E+00	6.32E-09
4649	420449.2	3740042	1.63E-08	4.05E-08	0.00E+00	0.00E+00	5.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	4.05E-08	0.00E+00	0.00E+00	5.68E-08	2.05E-09	3.97E-09	0.00E+00	0.00E+00	6.02E-09
4650	420449.1	3740034	1.54E-08	3.85E-08	0.00E+00	0.00E+00	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	3.85E-08	0.00E+00	0.00E+00	5.39E-08	1.94E-09	3.77E-09	0.00E+00	0.00E+00	5.71E-09
4651	420449.1	3740025	1.46E-08	3.65E-08	0.00E+00	0.00E+00	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	3.65E-08	0.00E+00	0.00E+00	5.11E-08	1.84E-09	3.57E-09	0.00E+00	0.00E+00	5.41E-09
4652	420449	3740016	1.38E-08	3.45E-08	0.00E+00	0.00E+00	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.45E-08	0.00E+00	0.00E+00	4.83E-08	1.74E-09	3.38E-09	0.00E+00	0.00E+00	5.12E-09
4653	420466.7	3740078	1.76E-08	4.38E-08	0.00E+00	0.00E+00	6.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	4.38E-08	0.00E+00	0.00E+00	6.14E-08	2.21E-09	4.29E-09	0.00E+00	0.00E+00	6.50E-09
4654	420461.4	3740094	1.95E-08	4.85E-08	0.00E+00	0.00E+00	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	4.85E-08	0.00E+00	0.00E+00	6.80E-08	2.45E-09	4.75E-09	0.00E+00	0.00E+00	7.20E-09
4655	420456.2	3740111	2.14E-08	5.33E-08	0.00E+00	0.00E+00	7.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	5.33E-08	0.00E+00	0.00E+00	7.46E-08	2.69E-09	5.22E-09	0.00E+00	0.00E+00	7.90E-09
4656	420450.9	3740128	2.32E-08	5.79E-08	0.00E+00	0.00E+00	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	5.79E-08	0.00E+00	0.00E+00	8.11E-08	2.92E-09	5.67E-09	0.00E+00	0.00E+00	8.59E-09
4657	420445.7	3740145	2.48E-08	6.19E-08	0.00E+00	0.00E+00	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	6.19E-08	0.00E+00	0.00E+00	8.67E-08	3.12E-09	6.06E-09	0.00E+00	0.00E+00	9.18E-09
4658	420440.5	3740161	2.63E-08	6.56E-08	0.00E+00	0.00E+00	9.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-08	6.56E-08	0.00E+00	0.00E+00	9.19E-08	3.31E-09	6.42E-09	0.00E+00	0.00E+00	9.74E-09
4659	420435.2	3740178	2.75E-08	6.85E-08	0.00E+00	0.00E+00	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-08	6.85E-08	0.00E+00	0.00E+00	9.59E-08	3.45E-09	6.70E-09	0.00E+00	0.00E+00	1.02E-08
4660	420430	3740195	2.83E-08	7.06E-08	0.00E+00	0.00E+00	9.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-08	7.06E-08	0.00E+00	0.00E+00	9.89E-08	3.56E-09	6.91E-09	0.00E+00	0.00E+00	1.05E-08
4661	420424.7	3740212	2.90E-08	7.22E-08	0.00E+00	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-08	7.22E-08	0.00E+00	0.00E+00	1.01E-07	3.64E-09	7.07E-09	0.00E+00	0.00E+00	1.07E-08
4662	420415.1	3740225	3.00E-08	7.47E-08	0.00E+00	0.00E+00	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-08	7.47E-08	0.00E+00	0.00E+00	1.05E-07	3.77E-09	7.31E-09	0.00E+00	0.00E+00	1.11E-08
4663	420401.1	3740236	3.18E-08	7.91E-08	0.00E+00	0.00E+00	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-08	7.91E-08	0.00E+00	0.00E+00	1.11E-07	3.99E-09	7.75E-09	0.00E+00	0.00E+00	1.17E-08
4664	420387.2	3740247	3.33E-08	8.29E-08	0.00E+00	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-08	8.29E-08	0.00E+00	0.00E+00	1.16E-07	4.18E-09	8.12E-09	0.00E+00	0.00E+00	1.23E-08
4665	420373.2	3740257	3.44E-08	8.57E-08	0.00E+00	0.00E+00	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-08	8.57E-08	0.00E+00	0.00E+00	1.20E-07	4.33E-09	8.39E-09	0.00E+00	0.00E+00	1.27E-08
4666	420359.2	3740268	3.51E-08	8.74E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-08	8.74E-08	0.00E+00	0.00E+00	1.22E-07	4.41E-09	8.56E-09	0.00E+00	0.00E+00	1.30E-08
4667	420345.2	3740278	3.54E-08	8.82E-08	0.00E+00	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-08	8.82E-08	0.00E+00	0.00E+00	1.24E-07	4.45E-09	8.64E-09	0.00E+00	0.00E+00	1.31E-08
4668	420331.3	3740289	3.53E-08	8.81E-08	0.00E+00	0.00E+00	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-08	8.81E-08	0.00E+00	0.00E+00	1.23E-07	4.44E-09	8.62E-09	0.00E+00	0.00E+00	1.31E-08
4669	420317.3	3740300	3.48E-08	8.68E-08	0.00E+00	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	8.68E-08	0.00E+00	0.00E+00	1.22E-07	4.38E-09	8.49E-09	0.00E+00	0.00E+00	1.29E-08
4670	420469.3	3740060	1.59E-08	3.97E-08	0.00E+00	0.00E+00	5.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-08	3.97E-08	0.00E+00	0.00E+00	5.57E-08	2.00E-09	3.89E-09	0.00E+00	0.00E+00	5.90E-09
4671	420469.2	3740051	1.52E-08	3.80E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.80E-08	0.00E+00	0.00E+00	5.32E-08	1.92E-09	3.72E-09	0.00E+00	0.00E+00	5.64E-09
4672	420469.2	3740042	1.45E-08	3.62E-08	0.00E+00	0.00E+00	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	3.62E-08	0.00E+00	0.00E+00	5.08E-08	1.83E-09	3.55E-09	0.00E+00	0.00E+00	5.38E-09
4673	420469.1	3740033	1.38E-08	3.45E-08	0.00E+00	0.00E+00	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.45E-08	0.00E+00	0.00E+00	4.83E-08	1.74E-09	3.38E-09	0.00E+00	0.00E+00	5.12E-09
4674	420469.1	3740024	1.31E-08	3.28E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	3.28E-08	0.00E+00	0.00E+00	4.59E-08	1.65E-09	3.21E-09	0.00E+00	0.00E+00	4.86E-09
4675	420469	3740015	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.36E-08	1.57E-09	3.05E-09	0.00E+00	0.00E+00	4.61E-09
4676	420486.6	3740078	1.57E-08	3.92E-08	0.00E+00	0.00E+00	5.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	3.92E-08	0.00E+00	0.00E+00	5.49E-08	1.98E-09	3.84E-09	0.00E+00	0.00E+00	5.82E-09
4677	420481.3	3740095	1.74E-08	4.34E-08	0.00E+00	0.00E+00	6.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	4.34E-08	0.00E+00	0.00E+00	6.08E-08	2.19E-09	4.25E-09	0.00E+00	0.00E+00	6.44E-09
4678	420475.9	3740112	1.91E-08	4.76E-08	0.00E+00	0.00E+00	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	4.76E-08	0.00E+00	0.00E+00	6.67E-08	2.40E-09	4.66E-09	0.00E+00	0.00E+00	7.06E-09
4679	420470.6	3740129	2.07E-08	5.16E-08	0.00E+00	0.00E+00	7.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	5.16E-08	0.00E+00	0.00E+00	7.23E-08	2.60E-09	5.05E-09	0.00E+00	0.00E+00	7.66E-09
4680	420465.2	3740146	2.22E-08	5.53E-08	0.00E+00	0.00E+00	7.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	5.53E-08	0.00E+00	0.00E+00	7.74E-08	2.79E-09	5.41E-09	0.00E+00	0.00E+00	8.20E-09
4681	420459.9	3740163	2.36E-08	5.87E-08	0.00E+00	0.00E+00	8.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	5.87E-08	0.00E+00	0.00E+00	8.22E-08	2.96E-09	5.75E-09	0.00E+00	0.00E+00	8.71E-09
4682	420454.5	3740180	2.45E-08	6.12E-08	0.00E+00	0.00E+00	8.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	6.12E-08	0.00E+00	0.00E+00	8.57E-08	3.09E-09	5.99E-09	0.00E+00	0.00E+00	9.08E-09
4683	420449.2	3740197	2.53E-08	6.32E-08	0.00E+00	0.00E+00	8.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-08	6.32E-08	0.00E+00	0.00E+00	8.85E-08	3.19E-09	6.18E-09	0.00E+00	0.00E+00	9.37E-09
4684	420443.8	3740214	2.60E-08	6.49E-08	0.00E+00	0.00E+00	9.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-08	6.49E-08	0.00E+

4733	420510.6	3740161	1.77E-08	4.42E-08	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	4.42E-08	0.00E+00	0.00E+00	6.20E-08	2.23E-09	4.33E-09	0.00E+00	0.00E+00	6.56E-09
4734	420505.4	3740177	1.86E-08	4.64E-08	0.00E+00	0.00E+00	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	4.64E-08	0.00E+00	0.00E+00	6.50E-08	2.34E-09	4.54E-09	0.00E+00	0.00E+00	6.89E-09
4735	420500.2	3740194	1.94E-08	4.83E-08	0.00E+00	0.00E+00	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	4.83E-08	0.00E+00	0.00E+00	6.77E-08	2.44E-09	4.73E-09	0.00E+00	0.00E+00	7.16E-09
4736	420495	3740210	2.00E-08	4.99E-08	0.00E+00	0.00E+00	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	4.99E-08	0.00E+00	0.00E+00	6.99E-08	2.52E-09	4.89E-09	0.00E+00	0.00E+00	7.40E-09
4737	420489.8	3740227	2.07E-08	5.15E-08	0.00E+00	0.00E+00	7.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	5.15E-08	0.00E+00	0.00E+00	7.21E-08	2.60E-09	5.04E-09	0.00E+00	0.00E+00	7.64E-09
4738	420484.6	3740244	2.08E-08	5.19E-08	0.00E+00	0.00E+00	7.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-08	5.19E-08	0.00E+00	0.00E+00	7.28E-08	2.62E-09	5.09E-09	0.00E+00	0.00E+00	7.71E-09
4739	420472.4	3740266	2.16E-08	5.37E-08	0.00E+00	0.00E+00	7.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	5.37E-08	0.00E+00	0.00E+00	7.53E-08	2.71E-09	5.26E-09	0.00E+00	0.00E+00	7.97E-09
4740	420458.6	3740276	2.25E-08	5.62E-08	0.00E+00	0.00E+00	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	5.62E-08	0.00E+00	0.00E+00	7.87E-08	2.84E-09	5.50E-09	0.00E+00	0.00E+00	8.34E-09
4741	420444.7	3740287	2.34E-08	5.83E-08	0.00E+00	0.00E+00	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	5.83E-08	0.00E+00	0.00E+00	8.17E-08	2.94E-09	5.71E-09	0.00E+00	0.00E+00	8.65E-09
4742	420430.8	3740297	2.41E-08	6.01E-08	0.00E+00	0.00E+00	8.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-08	6.01E-08	0.00E+00	0.00E+00	8.43E-08	3.03E-09	5.89E-09	0.00E+00	0.00E+00	8.92E-09
4743	420416.9	3740308	2.47E-08	6.16E-08	0.00E+00	0.00E+00	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-08	6.16E-08	0.00E+00	0.00E+00	8.63E-08	3.11E-09	6.03E-09	0.00E+00	0.00E+00	9.14E-09
4744	420403	3740318	2.50E-08	6.23E-08	0.00E+00	0.00E+00	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	6.23E-08	0.00E+00	0.00E+00	8.73E-08	3.14E-09	6.10E-09	0.00E+00	0.00E+00	9.25E-09
4745	420389.2	3740329	2.52E-08	6.27E-08	0.00E+00	0.00E+00	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-08	6.27E-08	0.00E+00	0.00E+00	8.79E-08	3.17E-09	6.14E-09	0.00E+00	0.00E+00	9.31E-09
4746	420375.3	3740339	2.51E-08	6.27E-08	0.00E+00	0.00E+00	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-08	6.27E-08	0.00E+00	0.00E+00	8.78E-08	3.16E-09	6.14E-09	0.00E+00	0.00E+00	9.30E-09
4747	420361.4	3740350	2.49E-08	6.21E-08	0.00E+00	0.00E+00	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	6.21E-08	0.00E+00	0.00E+00	8.70E-08	3.13E-09	6.08E-09	0.00E+00	0.00E+00	9.22E-09
4748	420347.5	3740361	2.45E-08	6.10E-08	0.00E+00	0.00E+00	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	6.10E-08	0.00E+00	0.00E+00	8.55E-08	3.08E-09	5.97E-09	0.00E+00	0.00E+00	9.05E-09
4749	420333.7	3740371	2.37E-08	5.92E-08	0.00E+00	0.00E+00	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	5.92E-08	0.00E+00	0.00E+00	8.29E-08	2.98E-09	5.79E-09	0.00E+00	0.00E+00	8.78E-09
4750	420539.3	3740060	1.12E-08	2.79E-08	0.00E+00	0.00E+00	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08	2.79E-08	0.00E+00	0.00E+00	3.91E-08	1.41E-09	2.73E-09	0.00E+00	0.00E+00	4.14E-09
4751	420539.2	3740051	1.08E-08	2.68E-08	0.00E+00	0.00E+00	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.68E-08	0.00E+00	0.00E+00	3.76E-08	1.35E-09	2.63E-09	0.00E+00	0.00E+00	3.98E-09
4752	420539.2	3740042	1.03E-08	2.58E-08	0.00E+00	0.00E+00	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	2.58E-08	0.00E+00	0.00E+00	3.61E-08	1.30E-09	2.52E-09	0.00E+00	0.00E+00	3.82E-09
4753	420539.1	3740033	9.91E-09	2.47E-08	0.00E+00	0.00E+00	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-09	2.47E-08	0.00E+00	0.00E+00	3.46E-08	1.25E-09	2.42E-09	0.00E+00	0.00E+00	3.66E-09
4754	420539	3740015	9.08E-09	2.26E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-09	2.26E-08	0.00E+00	0.00E+00	3.17E-08	1.14E-09	2.22E-09	0.00E+00	0.00E+00	3.36E-09
4755	420539	3740006	8.68E-09	2.16E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-09	2.16E-08	0.00E+00	0.00E+00	3.03E-08	1.09E-09	2.12E-09	0.00E+00	0.00E+00	3.21E-09
4756	420566.7	3740077	1.06E-08	2.64E-08	0.00E+00	0.00E+00	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.64E-08	0.00E+00	0.00E+00	3.69E-08	1.33E-09	2.58E-09	0.00E+00	0.00E+00	3.91E-09
4757	420561.5	3740094	1.15E-08	2.87E-08	0.00E+00	0.00E+00	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	2.87E-08	0.00E+00	0.00E+00	4.02E-08	1.45E-09	2.81E-09	0.00E+00	0.00E+00	4.26E-09
4758	420556.2	3740111	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.36E-08	1.57E-09	3.05E-09	0.00E+00	0.00E+00	4.62E-09
4759	420551	3740127	1.35E-08	3.35E-08	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	3.35E-08	0.00E+00	0.00E+00	4.70E-08	1.69E-09	3.28E-09	0.00E+00	0.00E+00	4.98E-09
4760	420545.8	3740144	1.44E-08	3.58E-08	0.00E+00	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	3.58E-08	0.00E+00	0.00E+00	5.02E-08	1.81E-09	3.51E-09	0.00E+00	0.00E+00	5.32E-09
4761	420540.5	3740161	1.52E-08	3.80E-08	0.00E+00	0.00E+00	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.80E-08	0.00E+00	0.00E+00	5.32E-08	1.92E-09	3.72E-09	0.00E+00	0.00E+00	5.64E-09
4762	420535.3	3740177	1.60E-08	4.00E-08	0.00E+00	0.00E+00	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-08	4.00E-08	0.00E+00	0.00E+00	5.60E-08	2.02E-09	3.91E-09	0.00E+00	0.00E+00	5.93E-09
4763	420530.1	3740194	1.67E-08	4.17E-08	0.00E+00	0.00E+00	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	4.17E-08	0.00E+00	0.00E+00	5.85E-08	2.11E-09	4.09E-09	0.00E+00	0.00E+00	6.19E-09
4764	420524.8	3740211	1.74E-08	4.33E-08	0.00E+00	0.00E+00	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	4.33E-08	0.00E+00	0.00E+00	6.07E-08	2.19E-09	4.24E-09	0.00E+00	0.00E+00	6.43E-09
4765	420519.6	3740227	1.79E-08	4.46E-08	0.00E+00	0.00E+00	6.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	4.46E-08	0.00E+00	0.00E+00	6.26E-08	2.25E-09	4.37E-09	0.00E+00	0.00E+00	6.62E-09
4766	420514.4	3740244	1.83E-08	4.57E-08	0.00E+00	0.00E+00	6.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-08	4.57E-08	0.00E+00	0.00E+00	6.40E-08	2.30E-09	4.47E-09	0.00E+00	0.00E+00	6.77E-09
4767	420509.2	3740261	1.86E-08	4.63E-08	0.00E+00	0.00E+00	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	4.63E-08	0.00E+00	0.00E+00	6.49E-08	2.34E-09	4.53E-09	0.00E+00	0.00E+00	6.87E-09
4768	420497	3740283	1.91E-08	4.76E-08	0.00E+00	0.00E+00	6.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-08	4.76E-08	0.00E+00	0.00E+00	6.67E-08	2.40E-09	4.66E-09	0.00E+00	0.00E+00	7.07E-09
4769	420483	3740293	1.98E-08	4.95E-08	0.00E+00	0.00E+00	6.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	4.95E-08	0.00E+00	0.00E+00	6.93E-08	2.50E-09	4.84E-09	0.00E+00	0.00E+00	7.34E-09
4770	420469.1	3740304	2.05E-08	5.11E-08	0.00E+00	0.00E+00	7.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	5.11E-08	0.00E+00	0.00E+00	7.17E-08	2.58E-09	5.01E-09	0.00E+00	0.00E+00	7.59E-09
4771	420455.2	3740315	2.11E-08	5.26E-08	0.00E+00	0.00E+00	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-08	5.26E-08	0.00E+00	0.00E+00	7.37E-08	2.65E-09	5.15E-09	0.00E+00	0.00E+00	7.81E-09
4772	420441.2	3740325	2.15E-08	5.37E-08	0.00E+00	0.00E+00	7.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	5.37E-08	0.00E+00	0.00E+00	7.52E-08	2.71E-09	5.26E-09	0.00E+00	0.00E+00	7.97E-09
4773	420427.3	3740336	2.18E-08	5.44E-08	0.00E+00	0.00E+00	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	5.44E-08	0.00E+00	0.00E+00	7.63E-08	2.75E-09	5.33E-09	0.00E+00	0.00E+00	8.08E-09
4774	420413.4	3740346	2.21E-08	5.50E-08	0.00E+00	0.00E+00	7.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	5.50E-08	0.00E+00	0.00E+00	7.70E-08	2.77E-09	5.38E-09	0.00E+00	0.00E+00	8.16E-09
4775	420399.5	3740357	2.22E-08	5.53E-08	0.00E+00	0.00E+00	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-08	5.53E-08	0.00E+00	0.00E+00	7.75E-08	2.79E-09	5.41E-09	0.00E+00	0.00E+00	8.20E-09
4776	420385.5	3740368	2.21E-08	5.51E-08	0.00E+00	0.00E+00	7.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	5.51E-08	0.00E+00	0.00E+00	7.72E-08	2.78E-09	5.40E-09	0.00E+00	0.00E+00	8.18E-09
4777	420371.6	3740378	2.18E-08	5.43E-08	0.00E+00	0.00E+00	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	5.43E-08	0.00E+00	0.00E+00	7.61E-08	2.74E-09	5.32E-09	0.00E+00	0.00E+00	8.06E-09
4778	420357.7	3740389	2.13E-08	5.31E-08	0.00E+00	0.00E+00	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	5.31E-08	0.00E+00	0.00E+00	7.44E-08	2.68E-09	5.20E-09	0.00E+00	0.00E+00	7.88E-09
4779	420343.8	3740399	2.06E-08	5.15E-08	0.00E+00	0.00E+00	7.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	5.15E-08	0.00E+00	0.00E+00	7.21E-08	2.60E-09	5.04E-09	0.00E+00	0.00E+00	7.64E-09
4780	420569.3	3740060	9.77E-09	2.44E-08	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-09	2.44E-08	0.00E+00	0.00E+00	3.41E-08	1.23E-09	2.38E-09	0.00E+00	0.00E+00	3.61E-09
4781	420569.1	3740033	8.72E-09	2.17E-08	0.00E+00	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-09	2.17E-08	0.00E+00	0.00E+00	3.04E-08	1.10E-09	2.13E-09	0.00E+00	0.00E+00	3.22E-09
4782	420569.1	3740024	8.37E-09	2.09E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-09	2.09E-08	0.00E+00	0.00E+00	2.92E-08	1.05E-09	2.04E-09	0.00E+00	0.00E+00	3.09E-09
4783	420569	3740015	8.02E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	1.01E-09	1.96E-09	0.00E+00	0.00E+00	2.97E-09
4784	420569	3740006	7.70E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	9.68E-10	1.88E-09	0.00E+00	0.00E+00	2.85E-09
4785	420591.4	3740094	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.52E-08	1.27E-09	2.46E-09	0.00E+00	0.00E+00	3.72E-09
4786	420586.2	3740111	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.80E-08	1.37E-09	2.66E-09	0.00E+00	0.00E+00	4.03E-09
4787	420580.9	3740127	1.17E-08	2.92E-08	0.00E+00	0.00E+00	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.92E-08	0.00E+00	0.00E+00	4.09E-08	1.47E-09	2.86E-09	0.00E+00	0.00E+00	4.33E-09
4788	420575.7	3740144	1.25E-08	3.12E-08	0.00E+00	0.00E+00	4.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.12E-08	0.00E+00	0.00E+00	4.37E-08	1.57E-09	3.05E-09	0.00E+00	0.00E+00	4.63E-09
4789	420570.4	3740161	1.33E-08	3.30E-08	0.00E+00	0.00E+00	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	3.30E-08	0.00E+00	0.00E+00	4.63E-08	1.67E-09	3.24E-09	0.00E+00	0.00E+00	4.90E-09
4790	420565.2	3740178	1.40E-08	3.48E-08	0.00E+00	0.00E+00	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	3.48E-08	0.00E+00	0.00E+00	4.87E-08	1.76E-09	3.41E-09	0.00E+00	0.00E+00	5.16E-09
4791	420560	3740194	1.46E-08	3.64E-08	0.00E+00	0.00E+00	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-08	3.64E-08	0.00E+00	0.00E+00	5.10E-08	1.84E-09	3.56E-09	0.00E+00	0.00E+00	5.40E-09
4792	420554.7	3740211	1.52E-08	3.78E-08	0.00E+00	0.00E+00	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.78E-08	0.00E+00	0.00E+00	5.30E-08	1.91E-09	3.71E-09	0.00E+00	0.00E+00	5.62E-09
4793	420549.5	3740228	1.57E-08	3.91E-08	0.00E+00	0.00E+00	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	3.91E-08	0.00E+00	0.00E+00	5.48E-08	1.97E-09	3.83E-09	0.00E+00	0.00E+00	5.80E-09
4794	420544.2	3740245	1.61E-08	4.02E-08	0.00E+00	0.00E+00	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	4.02E-08	0.00E+00	0.00E+00	5.63E-08	2.03E-09	3.94E-09	0.00E+00	0.00E+00	5.97E-09
4795	420539	3740261	1.64E-08	4.10E-08	0.00E+00	0.00E+00	5.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	4.10E-08	0.00E+00	0.00E+00	5.74E-08	2.07E-09	4.01E-09	0.00E+00	0.00E+00	6.08E-09
4796	420533.7	3740278	1.66E-08	4.15E-08	0.00E+00	0.00E+00	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	4.15E-08	0.00E+00	0.00E+00	5.81E-08	2.09E-09	4.06E-09	0.00E+00	0.00E+00	6.15E-09
4797	420521.5	3740300	1.70E-08	4.24E-08	0.00E+00	0.00E+00	5.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	4.24E-08	0.00E+00	0.00E+00	5.94E-08	2.14E-09	4.15E-09	0.00E+00	0.00E+00	6.29E-09
4798	420507.5	3740311	1.76E-08	4.39E-08	0.00E+00	0.00E+00	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-08	4.39E-08	0.00E+00	0.00E+00	6.16E-08	2.22E-09	4.30E-09	0.00E+00	0.00E+00	6.52E-09
4799	420493.5	3740321	1.82E-08	4.52E-08	0.00E+00	0.00E+00	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	4.52E-08	0.00E+00	0.00E+00	6.34E-08	2.28E-09	4.43E-09	0.00E+00	0.00E+00	6.71E-09
4800	420479.6	3740332	1.86E-08	4.65E-08	0.00E+00	0.00E+00	6.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-08	4.65E-08	0.00E+00	0.00E+00	6.51E-08	2.34E-09	4.55E-09	0.00E+00	0.00E+00	6.89E-09
4801	420465.6	3740343	1.90E-08	4.73E-08	0.00E+00	0.00E+00	6.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	4.73E-08	0.00E+00	0.00E+00	6.63E-08	2.39E-09	4.64E-09	0.00E+00	0.00E+00	7.02E-09
4802	420451.6	3740353	1.93E-08	4.81E-08	0.00E+00	0.00E+00	6.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	4.81E-08	0.00E+00	0.00E+00	6.74E-08	2.43E-09	4.71E-09	0.00E+00	0.00E+00	7.14E-09
4803	420437.7	3740364	1.95E-08	4.87E-08	0.00E+00	0.00E+00	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	4.87E-08	0.00E+00	0.00E+00	6.82E-08	2.46E-09	4.77E-09	0.00E+00	0.00E+00	7.23E-09
4804	420423.7	3740374	1.96E-08	4.88E-08	0.00E+00	0.00E+00	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	4.88E-08	0.00E+00	0.00E+00	6.84E-08	2.46E-09	4.78E-09	0.00E+00	0.00E+00	7.25E-09
4805	420409.7	3740385	1.96E-08	4.89E-08	0.00E+00	0.00E+00	6.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	4.89E-08	0.00E+00	0.00E+00	6.85E-08	2.47E-09	4.79E-09	0.00E+00	0.00E+00	7.26E-09
4806	420395.8	3740396	1.95E-08	4.85E-08	0.00E+00	0.00E+00	6.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	4.85E-08	0.00E+00	0.00E+00	6.80E-08	2.45E-09	4.75E-09	0.00E+00	0.00E+00	7.20E-09
4807	420381.8	3740406	1.92E-08	4.77E-08	0.00E+00	0.00E+00	6.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	4.77E-08	0.00E+00	0.00E+00	6.69E-08	2.41E-09	4.68E-09	0.00E+00	0.00E+00	7.08E-09
4808	420367.8	3740417	1.87E-08	4.66E-08	0.00E+00	0.00E+00	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	4.66E-08	0.00E+00	0.00E+00	6.53E-08	2.35E-09	4.57E-09	0.00E+00	0.00E+00	6.92E-09
4809	420353.8	3740428	1.81E-08	4.52E-08	0.00E+00	0.00E+00	6.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-08	4.52E-08	0.00E+00	0.00E+00	6.33E-08	2.28E-09	4.42E-09	0.00E+00	0.00E+00	6.70E-09
4810	420599.3	3740060	8.62E-09	2.15E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-09	2.15E-08	0.00E+00	0.00E+00	3.01E-08	1.08E-09	2.10E-09	0.00E+00	0.00E+00	3.19E-09
4811	420599.2	3740051	8.32E-09	2.07E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	2.07E-08	0.00E+00	0.00E+00	2.91E-08	1.05E-09	2.03E-09	0.00E+00	0.00E+00	3.08E-09
4812	420599.2	3740042	8.03E-09	2.00E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-09	2.00E-08	0.00E+00

4861	420458.2	3740420	1.58E-08	3.94E-08	0.00E+00	0.00E+00	5.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	3.94E-08	0.00E+00	0.00E+00	5.52E-08	1.99E-09	3.86E-09	0.00E+00	0.00E+00	5.85E-09
4862	420444.2	3740431	1.58E-08	3.93E-08	0.00E+00	0.00E+00	5.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-08	3.93E-08	0.00E+00	0.00E+00	5.51E-08	1.98E-09	3.85E-09	0.00E+00	0.00E+00	5.84E-09
4863	420430.2	3740441	1.57E-08	3.90E-08	0.00E+00	0.00E+00	5.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-08	3.90E-08	0.00E+00	0.00E+00	5.47E-08	1.97E-09	3.82E-09	0.00E+00	0.00E+00	5.79E-09
4864	420416.1	3740452	1.55E-08	3.85E-08	0.00E+00	0.00E+00	5.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-08	3.85E-08	0.00E+00	0.00E+00	5.40E-08	1.94E-09	3.77E-09	0.00E+00	0.00E+00	5.72E-09
4865	420402.1	3740463	1.52E-08	3.78E-08	0.00E+00	0.00E+00	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.78E-08	0.00E+00	0.00E+00	5.29E-08	1.91E-09	3.70E-09	0.00E+00	0.00E+00	5.60E-09
4866	420388	3740473	1.48E-08	3.68E-08	0.00E+00	0.00E+00	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-08	3.68E-08	0.00E+00	0.00E+00	5.16E-08	1.86E-09	3.60E-09	0.00E+00	0.00E+00	5.46E-09
4867	420374	3740484	1.43E-08	3.56E-08	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	3.56E-08	0.00E+00	0.00E+00	4.99E-08	1.80E-09	3.49E-09	0.00E+00	0.00E+00	5.29E-09
4868	420659.3	3740059	6.64E-09	1.65E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.65E-08	0.00E+00	0.00E+00	2.32E-08	8.35E-10	1.62E-09	0.00E+00	0.00E+00	2.45E-09
4869	420659.2	3740050	6.43E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	8.09E-10	1.57E-09	0.00E+00	0.00E+00	2.38E-09
4870	420659.2	3740041	6.23E-09	1.55E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.55E-08	0.00E+00	0.00E+00	2.18E-08	7.84E-10	1.52E-09	0.00E+00	0.00E+00	2.31E-09
4871	420659.1	3740032	6.03E-09	1.50E-08	0.00E+00	0.00E+00	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-09	1.50E-08	0.00E+00	0.00E+00	2.11E-08	7.59E-10	1.47E-09	0.00E+00	0.00E+00	2.23E-09
4872	420659.1	3740023	5.84E-09	1.46E-08	0.00E+00	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-09	1.46E-08	0.00E+00	0.00E+00	2.04E-08	7.35E-10	1.43E-09	0.00E+00	0.00E+00	2.16E-09
4873	420659	3740014	5.65E-09	1.41E-08	0.00E+00	0.00E+00	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-09	1.41E-08	0.00E+00	0.00E+00	1.97E-08	7.11E-10	1.38E-09	0.00E+00	0.00E+00	2.09E-09
4874	420659	3740005	5.46E-09	1.36E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-09	1.36E-08	0.00E+00	0.00E+00	1.91E-08	6.87E-10	1.33E-09	0.00E+00	0.00E+00	2.02E-09
4875	420686.7	3740077	6.41E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	8.06E-10	1.56E-09	0.00E+00	0.00E+00	2.37E-09
4876	420681.4	3740094	6.88E-09	1.72E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-09	1.72E-08	0.00E+00	0.00E+00	2.40E-08	8.66E-10	1.68E-09	0.00E+00	0.00E+00	2.55E-09
4877	420676.1	3740110	7.42E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	9.33E-10	1.81E-09	0.00E+00	0.00E+00	2.74E-09
4878	420670.8	3740127	7.99E-09	1.99E-08	0.00E+00	0.00E+00	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-09	1.99E-08	0.00E+00	0.00E+00	2.79E-08	1.00E-09	1.95E-09	0.00E+00	0.00E+00	2.95E-09
4879	420665.5	3740144	8.58E-09	2.14E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-09	2.14E-08	0.00E+00	0.00E+00	2.99E-08	1.08E-09	2.09E-09	0.00E+00	0.00E+00	3.17E-09
4880	420660.2	3740161	9.14E-09	2.28E-08	0.00E+00	0.00E+00	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-09	2.28E-08	0.00E+00	0.00E+00	3.19E-08	1.15E-09	2.23E-09	0.00E+00	0.00E+00	3.38E-09
4881	420655	3740178	9.67E-09	2.41E-08	0.00E+00	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-09	2.41E-08	0.00E+00	0.00E+00	3.38E-08	1.22E-09	2.36E-09	0.00E+00	0.00E+00	3.57E-09
4882	420649.7	3740195	1.02E-08	2.53E-08	0.00E+00	0.00E+00	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.53E-08	0.00E+00	0.00E+00	3.55E-08	1.28E-09	2.48E-09	0.00E+00	0.00E+00	3.76E-09
4883	420628.5	3740262	1.16E-08	2.89E-08	0.00E+00	0.00E+00	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.89E-08	0.00E+00	0.00E+00	4.05E-08	1.46E-09	2.83E-09	0.00E+00	0.00E+00	4.29E-09
4884	420623.3	3740279	1.19E-08	2.96E-08	0.00E+00	0.00E+00	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.96E-08	0.00E+00	0.00E+00	4.14E-08	1.49E-09	2.89E-09	0.00E+00	0.00E+00	4.38E-09
4885	420618	3740296	1.20E-08	3.00E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	3.00E-08	0.00E+00	0.00E+00	4.20E-08	1.51E-09	2.93E-09	0.00E+00	0.00E+00	4.45E-09
4886	420612.7	3740313	1.22E-08	3.05E-08	0.00E+00	0.00E+00	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	3.05E-08	0.00E+00	0.00E+00	4.27E-08	1.54E-09	2.98E-09	0.00E+00	0.00E+00	4.52E-09
4887	420607.4	3740330	1.23E-08	3.06E-08	0.00E+00	0.00E+00	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	3.06E-08	0.00E+00	0.00E+00	4.29E-08	1.54E-09	3.00E-09	0.00E+00	0.00E+00	4.54E-09
4888	420595.1	3740352	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.11E-08	0.00E+00	0.00E+00	4.36E-08	1.57E-09	3.05E-09	0.00E+00	0.00E+00	4.62E-09
4889	420581	3740363	1.29E-08	3.21E-08	0.00E+00	0.00E+00	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	3.21E-08	0.00E+00	0.00E+00	4.50E-08	1.62E-09	3.14E-09	0.00E+00	0.00E+00	4.76E-09
4890	420567	3740373	1.32E-08	3.29E-08	0.00E+00	0.00E+00	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	3.29E-08	0.00E+00	0.00E+00	4.60E-08	1.66E-09	3.22E-09	0.00E+00	0.00E+00	4.87E-09
4891	420552.9	3740384	1.35E-08	3.37E-08	0.00E+00	0.00E+00	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-08	3.37E-08	0.00E+00	0.00E+00	4.72E-08	1.70E-09	3.30E-09	0.00E+00	0.00E+00	5.00E-09
4892	420538.8	3740395	1.38E-08	3.44E-08	0.00E+00	0.00E+00	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	3.44E-08	0.00E+00	0.00E+00	4.82E-08	1.73E-09	3.37E-09	0.00E+00	0.00E+00	5.10E-09
4893	420524.7	3740405	1.40E-08	3.49E-08	0.00E+00	0.00E+00	4.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	3.49E-08	0.00E+00	0.00E+00	4.89E-08	1.76E-09	3.42E-09	0.00E+00	0.00E+00	5.18E-09
4894	420510.7	3740416	1.42E-08	3.53E-08	0.00E+00	0.00E+00	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-08	3.53E-08	0.00E+00	0.00E+00	4.95E-08	1.78E-09	3.46E-09	0.00E+00	0.00E+00	5.24E-09
4895	420496.6	3740427	1.43E-08	3.56E-08	0.00E+00	0.00E+00	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	3.56E-08	0.00E+00	0.00E+00	4.99E-08	1.80E-09	3.49E-09	0.00E+00	0.00E+00	5.28E-09
4896	420482.5	3740437	1.43E-08	3.58E-08	0.00E+00	0.00E+00	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	3.58E-08	0.00E+00	0.00E+00	5.01E-08	1.80E-09	3.50E-09	0.00E+00	0.00E+00	5.31E-09
4897	420468.5	3740448	1.43E-08	3.57E-08	0.00E+00	0.00E+00	5.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	3.57E-08	0.00E+00	0.00E+00	5.01E-08	1.80E-09	3.50E-09	0.00E+00	0.00E+00	5.30E-09
4898	420454.4	3740459	1.43E-08	3.55E-08	0.00E+00	0.00E+00	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-08	3.55E-08	0.00E+00	0.00E+00	4.98E-08	1.79E-09	3.48E-09	0.00E+00	0.00E+00	5.27E-09
4899	420440.3	3740469	1.41E-08	3.52E-08	0.00E+00	0.00E+00	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	3.52E-08	0.00E+00	0.00E+00	4.93E-08	1.78E-09	3.45E-09	0.00E+00	0.00E+00	5.22E-09
4900	420426.3	3740480	1.39E-08	3.47E-08	0.00E+00	0.00E+00	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	3.47E-08	0.00E+00	0.00E+00	4.86E-08	1.75E-09	3.39E-09	0.00E+00	0.00E+00	5.14E-09
4901	420412.2	3740491	1.36E-08	3.39E-08	0.00E+00	0.00E+00	4.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	3.39E-08	0.00E+00	0.00E+00	4.75E-08	1.71E-09	3.32E-09	0.00E+00	0.00E+00	5.03E-09
4902	420398.1	3740502	1.32E-08	3.30E-08	0.00E+00	0.00E+00	4.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	3.30E-08	0.00E+00	0.00E+00	4.63E-08	1.67E-09	3.23E-09	0.00E+00	0.00E+00	4.90E-09
4903	420384.1	3740512	1.28E-08	3.19E-08	0.00E+00	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	3.19E-08	0.00E+00	0.00E+00	4.48E-08	1.61E-09	3.13E-09	0.00E+00	0.00E+00	4.74E-09
4904	420689.3	3740059	6.02E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-09	1.50E-08	0.00E+00	0.00E+00	2.10E-08	7.57E-10	1.47E-09	0.00E+00	0.00E+00	2.23E-09
4905	420689.2	3740050	5.86E-09	1.46E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-09	1.46E-08	0.00E+00	0.00E+00	2.05E-08	7.37E-10	1.43E-09	0.00E+00	0.00E+00	2.17E-09
4906	420689.2	3740041	5.70E-09	1.42E-08	0.00E+00	0.00E+00	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-09	1.42E-08	0.00E+00	0.00E+00	1.99E-08	7.16E-10	1.39E-09	0.00E+00	0.00E+00	2.11E-09
4907	420689.1	3740032	5.52E-09	1.37E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.37E-08	0.00E+00	0.00E+00	1.93E-08	6.94E-10	1.35E-09	0.00E+00	0.00E+00	2.04E-09
4908	420689.1	3740023	5.34E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-09	1.33E-08	0.00E+00	0.00E+00	1.86E-08	6.71E-10	1.30E-09	0.00E+00	0.00E+00	1.97E-09
4909	420689	3740014	5.16E-09	1.29E-08	0.00E+00	0.00E+00	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-09	1.29E-08	0.00E+00	0.00E+00	1.80E-08	6.49E-10	1.26E-09	0.00E+00	0.00E+00	1.91E-09
4910	420716.7	3740077	5.87E-09	1.46E-08	0.00E+00	0.00E+00	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-09	1.46E-08	0.00E+00	0.00E+00	2.05E-08	7.38E-10	1.43E-09	0.00E+00	0.00E+00	2.17E-09
4911	420711.4	3740093	6.23E-09	1.55E-08	0.00E+00	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-09	1.55E-08	0.00E+00	0.00E+00	2.18E-08	7.83E-10	1.52E-09	0.00E+00	0.00E+00	2.30E-09
4912	420706.1	3740110	6.65E-09	1.66E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-09	1.66E-08	0.00E+00	0.00E+00	2.32E-08	8.37E-10	1.62E-09	0.00E+00	0.00E+00	2.46E-09
4913	420700.8	3740127	7.12E-09	1.77E-08	0.00E+00	0.00E+00	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-09	1.77E-08	0.00E+00	0.00E+00	2.49E-08	8.95E-10	1.74E-09	0.00E+00	0.00E+00	2.63E-09
4914	420695.5	3740144	7.64E-09	1.90E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-09	1.90E-08	0.00E+00	0.00E+00	2.67E-08	9.61E-10	1.86E-09	0.00E+00	0.00E+00	2.82E-09
4915	420690.2	3740161	8.16E-09	2.03E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-09	2.03E-08	0.00E+00	0.00E+00	2.85E-08	1.03E-09	1.99E-09	0.00E+00	0.00E+00	3.02E-09
4916	420684.9	3740178	8.64E-09	2.15E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-09	2.15E-08	0.00E+00	0.00E+00	3.02E-08	1.09E-09	2.11E-09	0.00E+00	0.00E+00	3.20E-09
4917	420679.6	3740195	9.09E-09	2.27E-08	0.00E+00	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-09	2.27E-08	0.00E+00	0.00E+00	3.17E-08	1.14E-09	2.22E-09	0.00E+00	0.00E+00	3.36E-09
4918	420674.3	3740212	9.50E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	1.20E-09	2.32E-09	0.00E+00	0.00E+00	3.51E-09
4919	420669	3740229	9.89E-09	2.46E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-09	2.46E-08	0.00E+00	0.00E+00	3.45E-08	1.24E-09	2.41E-09	0.00E+00	0.00E+00	3.66E-09
4920	420663.7	3740246	1.02E-08	2.55E-08	0.00E+00	0.00E+00	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-08	2.55E-08	0.00E+00	0.00E+00	3.57E-08	1.29E-09	2.50E-09	0.00E+00	0.00E+00	3.78E-09
4921	420658.4	3740262	1.04E-08	2.60E-08	0.00E+00	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	2.60E-08	0.00E+00	0.00E+00	3.64E-08	1.31E-09	2.55E-09	0.00E+00	0.00E+00	3.86E-09
4922	420653.1	3740279	1.07E-08	2.66E-08	0.00E+00	0.00E+00	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	2.66E-08	0.00E+00	0.00E+00	3.73E-08	1.34E-09	2.61E-09	0.00E+00	0.00E+00	3.95E-09
4923	420619.6	3740369	1.14E-08	2.83E-08	0.00E+00	0.00E+00	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.83E-08	0.00E+00	0.00E+00	3.97E-08	1.43E-09	2.77E-09	0.00E+00	0.00E+00	4.20E-09
4924	420605.5	3740380	1.17E-08	2.92E-08	0.00E+00	0.00E+00	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	2.92E-08	0.00E+00	0.00E+00	4.10E-08	1.48E-09	2.86E-09	0.00E+00	0.00E+00	4.34E-09
4925	420591.4	3740391	1.20E-08	3.00E-08	0.00E+00	0.00E+00	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	3.00E-08	0.00E+00	0.00E+00	4.20E-08	1.51E-09	2.93E-09	0.00E+00	0.00E+00	4.44E-09
4926	420577.3	3740401	1.23E-08	3.06E-08	0.00E+00	0.00E+00	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	3.06E-08	0.00E+00	0.00E+00	4.29E-08	1.55E-09	3.00E-09	0.00E+00	0.00E+00	4.55E-09
4927	420563.3	3740412	1.25E-08	3.12E-08	0.00E+00	0.00E+00	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	3.12E-08	0.00E+00	0.00E+00	4.38E-08	1.58E-09	3.06E-09	0.00E+00	0.00E+00	4.63E-09
4928	420549.2	3740423	1.27E-08	3.16E-08	0.00E+00	0.00E+00	4.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-08	3.16E-08	0.00E+00	0.00E+00	4.43E-08	1.60E-09	3.10E-09	0.00E+00	0.00E+00	4.70E-09
4929	420535.1	3740433	1.29E-08	3.20E-08	0.00E+00	0.00E+00	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	3.20E-08	0.00E+00	0.00E+00	4.49E-08	1.62E-09	3.14E-09	0.00E+00	0.00E+00	4.76E-09
4930	420521	3740444	1.30E-08	3.24E-08	0.00E+00	0.00E+00	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	3.24E-08	0.00E+00	0.00E+00	4.53E-08	1.63E-09	3.17E-09	0.00E+00	0.00E+00	4.80E-09
4931	420506.9	3740455	1.31E-08	3.25E-08	0.00E+00	0.00E+00	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	3.25E-08	0.00E+00	0.00E+00	4.56E-08	1.64E-09	3.19E-09	0.00E+00	0.00E+00	4.83E-09
4932	420492.8	3740466	1.31E-08	3.26E-08	0.00E+00	0.00E+00	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-08	3.26E-08	0.00E+00	0.00E+00	4.57E-08	1.64E-09	3.19E-09	0.00E+00	0.00E+00	4.83E-09
4933	420478.7	3740476	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	3.25E-08	0.00E+00	0.00E+00	4.55E-08	1.64E-09	3.18E-09	0.00E+00	0.00E+00	4.82E-09
4934	420464.6	3740487	1.29E-08	3.22E-08	0.00E+00	0.00E+00	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-08	3.22E-08	0.00E+00	0.00E+00	4.52E-08	1.63E-09	3.16E-09	0.00E+00	0.00E+00	4.78E-09
4935	420450.5	3740498	1.28E-08	3.18E-08	0.00E+00	0.00E+00	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	3.18E-08	0.00E+00	0.00E+00	4.46E-08	1.61E-09	3.12E-09	0.00E+00	0.00E+00	4.72E-09
4936	420436.4	3740508	1.26E-08	3.13E-08	0.00E+00	0.00E+00	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	3.13E-08	0.00E+00	0.00E+00	4.38E-08	1.58E-09	3.06E-09	0.00E+00	0.00E+00	4.64E-09
4937	420422.3	3740519	1.23E-08	3.06E-08	0.00E+00	0.00E+00	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	3.06E-08	0.00E+00	0.00E+00	4.29E-08	1.55E-09	3.00E-09	0.00E+00	0.00E+00	4.54E-09
4938	420408.2	3740530	1.19E-08	2.98E-08	0.00E+00	0.00E+00	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-08	2.98E-08	0.00E+00	0.00E+00	4.17E-08	1.50E-09	2.92E-09	0.00E+00	0.00E+00	4.42E-09
4939	420394.1	3740541	1.16E-08	2.88E-08	0.00E+00	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-08	2.88E-08	0.00E+00	0.00E+00	4.04E-08	1.45E-09	2.82E-09	0.00E+00	0.00E+00	4.28E-09
4940	420719.3	3740059	5.54E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-09	1.38E-08	0.00E+00	0.00E+00	1.93

4989	420771.3	3740093	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.53E-10	1.27E-09	0.00E+00	0.00E+00	1.92E-09
4990	420766	3740110	5.49E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	6.90E-10	1.34E-09	0.00E+00	0.00E+00	2.03E-09
4991	420760.7	3740127	5.80E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-09	1.45E-08	0.00E+00	0.00E+00	2.03E-08	7.30E-10	1.42E-09	0.00E+00	0.00E+00	2.15E-09
4992	420755.4	3740144	6.19E-09	1.54E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-09	1.54E-08	0.00E+00	0.00E+00	2.16E-08	7.78E-10	1.51E-09	0.00E+00	0.00E+00	2.29E-09
4993	420750.1	3740161	6.60E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	8.29E-10	1.61E-09	0.00E+00	0.00E+00	2.44E-09
4994	420744.8	3740178	6.99E-09	1.74E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-09	1.74E-08	0.00E+00	0.00E+00	2.44E-08	8.79E-10	1.71E-09	0.00E+00	0.00E+00	2.59E-09
4995	420739.5	3740195	7.37E-09	1.84E-08	0.00E+00	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-09	1.84E-08	0.00E+00	0.00E+00	2.57E-08	9.27E-10	1.80E-09	0.00E+00	0.00E+00	2.73E-09
4996	420734.2	3740212	7.72E-09	1.93E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-09	1.93E-08	0.00E+00	0.00E+00	2.70E-08	9.72E-10	1.89E-09	0.00E+00	0.00E+00	2.86E-09
4997	420728.9	3740229	8.05E-09	2.01E-08	0.00E+00	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-09	2.01E-08	0.00E+00	0.00E+00	2.81E-08	1.01E-09	1.97E-09	0.00E+00	0.00E+00	2.98E-09
4998	420723.6	3740246	8.36E-09	2.08E-08	0.00E+00	0.00E+00	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-09	2.08E-08	0.00E+00	0.00E+00	2.92E-08	1.05E-09	2.04E-09	0.00E+00	0.00E+00	3.09E-09
4999	420718.2	3740263	8.63E-09	2.15E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-09	2.15E-08	0.00E+00	0.00E+00	3.01E-08	1.08E-09	2.11E-09	0.00E+00	0.00E+00	3.19E-09
5000	420712.9	3740280	8.86E-09	2.21E-08	0.00E+00	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-09	2.21E-08	0.00E+00	0.00E+00	3.09E-08	1.11E-09	2.16E-09	0.00E+00	0.00E+00	3.28E-09
5001	420707.6	3740297	8.97E-09	2.24E-08	0.00E+00	0.00E+00	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-09	2.24E-08	0.00E+00	0.00E+00	3.13E-08	1.13E-09	2.19E-09	0.00E+00	0.00E+00	3.32E-09
5002	420702.3	3740314	9.15E-09	2.28E-08	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-09	2.28E-08	0.00E+00	0.00E+00	3.20E-08	1.15E-09	2.23E-09	0.00E+00	0.00E+00	3.38E-09
5003	420697	3740330	9.28E-09	2.31E-08	0.00E+00	0.00E+00	3.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-09	2.31E-08	0.00E+00	0.00E+00	3.24E-08	1.17E-09	2.27E-09	0.00E+00	0.00E+00	3.43E-09
5004	420691.7	3740347	9.38E-09	2.34E-08	0.00E+00	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-09	2.34E-08	0.00E+00	0.00E+00	3.28E-08	1.18E-09	2.29E-09	0.00E+00	0.00E+00	3.47E-09
5005	420686.4	3740364	9.44E-09	2.35E-08	0.00E+00	0.00E+00	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-09	2.35E-08	0.00E+00	0.00E+00	3.30E-08	1.19E-09	2.30E-09	0.00E+00	0.00E+00	3.49E-09
5006	420681.1	3740381	9.47E-09	2.36E-08	0.00E+00	0.00E+00	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-09	2.36E-08	0.00E+00	0.00E+00	3.31E-08	1.19E-09	2.31E-09	0.00E+00	0.00E+00	3.50E-09
5007	420668.7	3740404	9.64E-09	2.40E-08	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-09	2.40E-08	0.00E+00	0.00E+00	3.37E-08	1.21E-09	2.35E-09	0.00E+00	0.00E+00	3.57E-09
5008	420654.6	3740414	9.87E-09	2.46E-08	0.00E+00	0.00E+00	3.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-09	2.46E-08	0.00E+00	0.00E+00	3.45E-08	1.24E-09	2.41E-09	0.00E+00	0.00E+00	3.65E-09
5009	420626.3	3740436	1.03E-08	2.56E-08	0.00E+00	0.00E+00	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	2.56E-08	0.00E+00	0.00E+00	3.59E-08	1.29E-09	2.51E-09	0.00E+00	0.00E+00	3.80E-09
5010	420612.2	3740447	1.05E-08	2.61E-08	0.00E+00	0.00E+00	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-08	2.61E-08	0.00E+00	0.00E+00	3.65E-08	1.32E-09	2.55E-09	0.00E+00	0.00E+00	3.87E-09
5011	420598	3740457	1.06E-08	2.65E-08	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.65E-08	0.00E+00	0.00E+00	3.71E-08	1.34E-09	2.59E-09	0.00E+00	0.00E+00	3.93E-09
5012	420583.9	3740468	1.08E-08	2.69E-08	0.00E+00	0.00E+00	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.69E-08	0.00E+00	0.00E+00	3.76E-08	1.36E-09	2.63E-09	0.00E+00	0.00E+00	3.99E-09
5013	420569.8	3740479	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.79E-08	1.37E-09	2.65E-09	0.00E+00	0.00E+00	4.02E-09
5014	420555.6	3740490	1.09E-08	2.73E-08	0.00E+00	0.00E+00	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.73E-08	0.00E+00	0.00E+00	3.82E-08	1.38E-09	2.67E-09	0.00E+00	0.00E+00	4.05E-09
5015	420541.5	3740500	1.10E-08	2.74E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.74E-08	0.00E+00	0.00E+00	3.83E-08	1.38E-09	2.68E-09	0.00E+00	0.00E+00	4.06E-09
5016	420527.3	3740511	1.10E-08	2.73E-08	0.00E+00	0.00E+00	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	2.73E-08	0.00E+00	0.00E+00	3.83E-08	1.38E-09	2.68E-09	0.00E+00	0.00E+00	4.06E-09
5017	420513.2	3740522	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.72E-08	0.00E+00	0.00E+00	3.81E-08	1.37E-09	2.66E-09	0.00E+00	0.00E+00	4.04E-09
5018	420499.1	3740533	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-08	2.71E-08	0.00E+00	0.00E+00	3.79E-08	1.37E-09	2.65E-09	0.00E+00	0.00E+00	4.01E-09
5019	420484.9	3740543	1.08E-08	2.68E-08	0.00E+00	0.00E+00	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-08	2.68E-08	0.00E+00	0.00E+00	3.76E-08	1.35E-09	2.62E-09	0.00E+00	0.00E+00	3.98E-09
5020	420470.8	3740554	1.06E-08	2.64E-08	0.00E+00	0.00E+00	3.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	2.64E-08	0.00E+00	0.00E+00	3.70E-08	1.33E-09	2.59E-09	0.00E+00	0.00E+00	3.92E-09
5021	420456.7	3740565	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-08	2.59E-08	0.00E+00	0.00E+00	3.63E-08	1.31E-09	2.54E-09	0.00E+00	0.00E+00	3.85E-09
5022	420414.3	3740597	9.56E-09	2.38E-08	0.00E+00	0.00E+00	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-09	2.38E-08	0.00E+00	0.00E+00	3.34E-08	1.20E-09	2.33E-09	0.00E+00	0.00E+00	3.54E-09
5023	420779.3	3740059	4.65E-09	1.16E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	1.16E-08	0.00E+00	0.00E+00	1.62E-08	5.85E-10	1.13E-09	0.00E+00	0.00E+00	1.72E-09
5024	420779.2	3740050	4.53E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	5.70E-10	1.11E-09	0.00E+00	0.00E+00	1.68E-09
5025	420779.2	3740041	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	5.66E-10	1.10E-09	0.00E+00	0.00E+00	1.66E-09
5026	420779.1	3740023	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	5.36E-10	1.04E-09	0.00E+00	0.00E+00	1.58E-09
5027	420779	3740014	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	1.03E-08	0.00E+00	0.00E+00	1.45E-08	5.21E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
5028	420779	3740005	4.03E-09	1.00E-08	0.00E+00	0.00E+00	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-09	1.00E-08	0.00E+00	0.00E+00	1.41E-08	5.07E-10	9.84E-10	0.00E+00	0.00E+00	1.49E-09
5029	420806.6	3740076	4.51E-09	1.12E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-09	1.12E-08	0.00E+00	0.00E+00	1.58E-08	5.67E-10	1.10E-09	0.00E+00	0.00E+00	1.67E-09
5030	420801.3	3740093	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	5.98E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5031	420796	3740110	5.01E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	6.30E-10	1.22E-09	0.00E+00	0.00E+00	1.85E-09
5032	420790.7	3740127	5.28E-09	1.32E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-09	1.32E-08	0.00E+00	0.00E+00	1.84E-08	6.64E-10	1.29E-09	0.00E+00	0.00E+00	1.95E-09
5033	420785.4	3740144	5.59E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-09	1.39E-08	0.00E+00	0.00E+00	1.95E-08	7.03E-10	1.37E-09	0.00E+00	0.00E+00	2.07E-09
5034	420780.1	3740161	5.93E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-09	1.48E-08	0.00E+00	0.00E+00	2.07E-08	7.45E-10	1.45E-09	0.00E+00	0.00E+00	2.19E-09
5035	420774.8	3740178	6.31E-09	1.57E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.57E-08	0.00E+00	0.00E+00	2.20E-08	7.94E-10	1.54E-09	0.00E+00	0.00E+00	2.33E-09
5036	420769.4	3740195	6.68E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	8.40E-10	1.63E-09	0.00E+00	0.00E+00	2.47E-09
5037	420764.1	3740212	7.02E-09	1.75E-08	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-09	1.75E-08	0.00E+00	0.00E+00	2.45E-08	8.82E-10	1.71E-09	0.00E+00	0.00E+00	2.59E-09
5038	420758.8	3740229	7.32E-09	1.82E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-09	1.82E-08	0.00E+00	0.00E+00	2.56E-08	9.21E-10	1.79E-09	0.00E+00	0.00E+00	2.71E-09
5039	420753.5	3740246	7.60E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	9.55E-10	1.85E-09	0.00E+00	0.00E+00	2.81E-09
5040	420748.2	3740263	7.85E-09	1.96E-08	0.00E+00	0.00E+00	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-09	1.96E-08	0.00E+00	0.00E+00	2.74E-08	9.87E-10	1.91E-09	0.00E+00	0.00E+00	2.90E-09
5041	420742.9	3740280	8.07E-09	2.01E-08	0.00E+00	0.00E+00	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-09	2.01E-08	0.00E+00	0.00E+00	2.82E-08	1.02E-09	1.97E-09	0.00E+00	0.00E+00	2.98E-09
5042	420737.5	3740297	8.27E-09	2.06E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-09	2.06E-08	0.00E+00	0.00E+00	2.89E-08	1.04E-09	2.02E-09	0.00E+00	0.00E+00	3.06E-09
5043	420732.2	3740314	8.44E-09	2.10E-08	0.00E+00	0.00E+00	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-09	2.10E-08	0.00E+00	0.00E+00	2.95E-08	1.06E-09	2.06E-09	0.00E+00	0.00E+00	3.12E-09
5044	420726.9	3740331	8.57E-09	2.14E-08	0.00E+00	0.00E+00	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-09	2.14E-08	0.00E+00	0.00E+00	2.99E-08	1.08E-09	2.09E-09	0.00E+00	0.00E+00	3.17E-09
5045	420721.6	3740348	8.61E-09	2.14E-08	0.00E+00	0.00E+00	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-09	2.14E-08	0.00E+00	0.00E+00	3.01E-08	1.08E-09	2.10E-09	0.00E+00	0.00E+00	3.18E-09
5046	420716.3	3740365	8.69E-09	2.17E-08	0.00E+00	0.00E+00	3.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-09	2.17E-08	0.00E+00	0.00E+00	3.03E-08	1.09E-09	2.12E-09	0.00E+00	0.00E+00	3.21E-09
5047	420711	3740382	8.79E-09	2.19E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-09	2.19E-08	0.00E+00	0.00E+00	3.07E-08	1.11E-09	2.15E-09	0.00E+00	0.00E+00	3.25E-09
5048	420705.6	3740399	8.80E-09	2.19E-08	0.00E+00	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-09	2.19E-08	0.00E+00	0.00E+00	3.07E-08	1.11E-09	2.15E-09	0.00E+00	0.00E+00	3.26E-09
5049	420693.2	3740421	8.90E-09	2.22E-08	0.00E+00	0.00E+00	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-09	2.22E-08	0.00E+00	0.00E+00	3.11E-08	1.12E-09	2.17E-09	0.00E+00	0.00E+00	3.29E-09
5050	420679.1	3740432	9.10E-09	2.27E-08	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-09	2.27E-08	0.00E+00	0.00E+00	3.18E-08	1.14E-09	2.22E-09	0.00E+00	0.00E+00	3.37E-09
5051	420664.9	3740442	9.30E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	1.17E-09	2.27E-09	0.00E+00	0.00E+00	3.44E-09
5052	420622.5	3740475	9.80E-09	2.44E-08	0.00E+00	0.00E+00	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-09	2.44E-08	0.00E+00	0.00E+00	3.42E-08	1.23E-09	2.39E-09	0.00E+00	0.00E+00	3.62E-09
5053	420608.3	3740485	9.93E-09	2.47E-08	0.00E+00	0.00E+00	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-09	2.47E-08	0.00E+00	0.00E+00	3.47E-08	1.25E-09	2.42E-09	0.00E+00	0.00E+00	3.67E-09
5054	420594.2	3740496	1.00E-08	2.49E-08	0.00E+00	0.00E+00	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-08	2.49E-08	0.00E+00	0.00E+00	3.49E-08	1.26E-09	2.44E-09	0.00E+00	0.00E+00	3.70E-09
5055	420580	3740507	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.52E-08	1.27E-09	2.46E-09	0.00E+00	0.00E+00	3.73E-09
5056	420565.9	3740518	1.01E-08	2.52E-08	0.00E+00	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.52E-08	0.00E+00	0.00E+00	3.54E-08	1.27E-09	2.47E-09	0.00E+00	0.00E+00	3.74E-09
5057	420551.7	3740528	1.01E-08	2.53E-08	0.00E+00	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.53E-08	0.00E+00	0.00E+00	3.54E-08	1.27E-09	2.47E-09	0.00E+00	0.00E+00	3.75E-09
5058	420537.6	3740539	1.01E-08	2.52E-08	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.52E-08	0.00E+00	0.00E+00	3.53E-08	1.27E-09	2.47E-09	0.00E+00	0.00E+00	3.74E-09
5059	420523.4	3740550	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-08	2.51E-08	0.00E+00	0.00E+00	3.51E-08	1.27E-09	2.46E-09	0.00E+00	0.00E+00	3.72E-09
5060	420509.2	3740561	9.97E-09	2.48E-08	0.00E+00	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-09	2.48E-08	0.00E+00	0.00E+00	3.48E-08	1.25E-09	2.43E-09	0.00E+00	0.00E+00	3.69E-09
5061	420466.8	3740593	9.52E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-09	2.37E-08	0.00E+00	0.00E+00	3.32E-08	1.20E-09	2.32E-09	0.00E+00	0.00E+00	3.52E-09
5062	420452.6	3740604	9.30E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-09	2.32E-08	0.00E+00	0.00E+00	3.25E-08	1.17E-09	2.27E-09	0.00E+00	0.00E+00	3.44E-09
5063	420438.5	3740615	9.04E-09	2.25E-08	0.00E+00	0.00E+00	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-09	2.25E-08	0.00E+00	0.00E+00	3.16E-08	1.14E-09	2.21E-09	0.00E+00	0.00E+00	3.34E-09
5064	420424.3	3740625	8.76E-09	2.18E-08	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-09	2.18E-08	0.00E+00	0.00E+00	3.06E-08	1.10E-09	2.14E-09	0.00E+00	0.00E+00	3.24E-09
5065	420809.3	3740059	4.27E-09	1.07E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	1.07E-08	0.00E+00	0.00E+00	1.49E-08	5.38E-10	1.04E-09	0.00E+00	0.00E+00	1.58E-09
5066	420809.2	3740050	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-09	1.04E-08	0.00E+00	0.00E+00	1.45E-08	5.24E-10	1.02E-09	0.00E+00	0.00E+00	1.54E-09
5067	420809.2	3740041	4.05E-09	1.01E-08	0.00E+00	0.00E+00	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-09	1.01E-08	0.00E+00	0.00E+00	1.42E-08	5.10E-10	9.89E-10	0.00E+00	0.00E+00	1.50E-09
5068	420809.1	3740032	3.95E-09	9.85E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-09	9.85E-09	0.00

5117	420771.2	3740444	7.23E-09	1.80E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-09	1.80E-08	0.00E+00	0.00E+00	2.52E-08	9.09E-10	1.76E-09	0.00E+00	0.00E+00	2.67E-09
5118	420768.5	3740453	7.21E-09	1.80E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-09	1.80E-08	0.00E+00	0.00E+00	2.52E-08	9.06E-10	1.76E-09	0.00E+00	0.00E+00	2.67E-09
5119	420758.6	3740467	7.26E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	9.14E-10	1.77E-09	0.00E+00	0.00E+00	2.69E-09
5120	420744.3	3740478	7.43E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	9.34E-10	1.81E-09	0.00E+00	0.00E+00	2.75E-09
5121	420737.2	3740483	7.50E-09	1.87E-08	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-09	1.87E-08	0.00E+00	0.00E+00	2.62E-08	9.44E-10	1.83E-09	0.00E+00	0.00E+00	2.78E-09
5122	420730	3740489	7.58E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	9.53E-10	1.85E-09	0.00E+00	0.00E+00	2.80E-09
5123	420715.8	3740500	7.70E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-09	1.92E-08	0.00E+00	0.00E+00	2.69E-08	9.69E-10	1.88E-09	0.00E+00	0.00E+00	2.85E-09
5124	420708.6	3740505	7.77E-09	1.94E-08	0.00E+00	0.00E+00	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-09	1.94E-08	0.00E+00	0.00E+00	2.71E-08	9.77E-10	1.90E-09	0.00E+00	0.00E+00	2.87E-09
5125	420694.3	3740516	7.91E-09	1.97E-08	0.00E+00	0.00E+00	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-09	1.97E-08	0.00E+00	0.00E+00	2.76E-08	9.94E-10	1.93E-09	0.00E+00	0.00E+00	2.92E-09
5126	420687.2	3740521	7.97E-09	1.99E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-09	1.99E-08	0.00E+00	0.00E+00	2.78E-08	1.00E-09	1.94E-09	0.00E+00	0.00E+00	2.95E-09
5127	420680	3740527	8.02E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	1.01E-09	1.96E-09	0.00E+00	0.00E+00	2.97E-09
5128	420665.7	3740538	8.12E-09	2.02E-08	0.00E+00	0.00E+00	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-09	2.02E-08	0.00E+00	0.00E+00	2.84E-08	1.02E-09	1.98E-09	0.00E+00	0.00E+00	3.00E-09
5129	420658.6	3740543	8.17E-09	2.04E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-09	2.04E-08	0.00E+00	0.00E+00	2.85E-08	1.03E-09	1.99E-09	0.00E+00	0.00E+00	3.02E-09
5130	420651.4	3740548	8.21E-09	2.05E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-09	2.05E-08	0.00E+00	0.00E+00	2.87E-08	1.03E-09	2.00E-09	0.00E+00	0.00E+00	3.04E-09
5131	420587.1	3740597	8.32E-09	2.07E-08	0.00E+00	0.00E+00	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-09	2.07E-08	0.00E+00	0.00E+00	2.91E-08	1.05E-09	2.03E-09	0.00E+00	0.00E+00	3.08E-09
5132	420579.9	3740603	8.30E-09	2.07E-08	0.00E+00	0.00E+00	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-09	2.07E-08	0.00E+00	0.00E+00	2.90E-08	1.04E-09	2.03E-09	0.00E+00	0.00E+00	3.07E-09
5133	420572.8	3740608	8.28E-09	2.06E-08	0.00E+00	0.00E+00	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	2.06E-08	0.00E+00	0.00E+00	2.89E-08	1.04E-09	2.02E-09	0.00E+00	0.00E+00	3.06E-09
5134	420558.5	3740619	8.22E-09	2.05E-08	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-09	2.05E-08	0.00E+00	0.00E+00	2.87E-08	1.03E-09	2.01E-09	0.00E+00	0.00E+00	3.04E-09
5135	420551.3	3740624	8.19E-09	2.04E-08	0.00E+00	0.00E+00	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-09	2.04E-08	0.00E+00	0.00E+00	2.86E-08	1.03E-09	2.00E-09	0.00E+00	0.00E+00	3.03E-09
5136	420544.2	3740630	8.15E-09	2.03E-08	0.00E+00	0.00E+00	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-09	2.03E-08	0.00E+00	0.00E+00	2.85E-08	1.02E-09	1.99E-09	0.00E+00	0.00E+00	3.01E-09
5137	420529.9	3740641	8.01E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-09	2.00E-08	0.00E+00	0.00E+00	2.80E-08	1.01E-09	1.95E-09	0.00E+00	0.00E+00	2.96E-09
5138	420522.7	3740646	7.95E-09	1.98E-08	0.00E+00	0.00E+00	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-09	1.98E-08	0.00E+00	0.00E+00	2.78E-08	1.00E-09	1.94E-09	0.00E+00	0.00E+00	2.94E-09
5139	420515.6	3740652	7.88E-09	1.97E-08	0.00E+00	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-09	1.97E-08	0.00E+00	0.00E+00	2.75E-08	9.92E-10	1.92E-09	0.00E+00	0.00E+00	2.92E-09
5140	420501.3	3740663	7.74E-09	1.93E-08	0.00E+00	0.00E+00	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-09	1.93E-08	0.00E+00	0.00E+00	2.70E-08	9.73E-10	1.89E-09	0.00E+00	0.00E+00	2.86E-09
5141	420494.1	3740668	7.65E-09	1.91E-08	0.00E+00	0.00E+00	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-09	1.91E-08	0.00E+00	0.00E+00	2.67E-08	9.62E-10	1.87E-09	0.00E+00	0.00E+00	2.83E-09
5142	420487	3740673	7.56E-09	1.89E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.89E-08	0.00E+00	0.00E+00	2.64E-08	9.51E-10	1.85E-09	0.00E+00	0.00E+00	2.80E-09
5143	420472.7	3740684	7.38E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	9.28E-10	1.80E-09	0.00E+00	0.00E+00	2.73E-09
5144	420465.5	3740690	7.27E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-09	1.81E-08	0.00E+00	0.00E+00	2.54E-08	9.15E-10	1.78E-09	0.00E+00	0.00E+00	2.69E-09
5145	420451.2	3740701	7.06E-09	1.76E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-09	1.76E-08	0.00E+00	0.00E+00	2.47E-08	8.88E-10	1.72E-09	0.00E+00	0.00E+00	2.61E-09
5146	420444.1	3740706	6.95E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	8.74E-10	1.70E-09	0.00E+00	0.00E+00	2.57E-09
5147	420825.2	3740399	6.56E-09	1.64E-08	0.00E+00	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-09	1.64E-08	0.00E+00	0.00E+00	2.29E-08	8.25E-10	1.60E-09	0.00E+00	0.00E+00	2.43E-09
5148	420819.9	3740416	6.61E-09	1.65E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-09	1.65E-08	0.00E+00	0.00E+00	2.31E-08	8.31E-10	1.61E-09	0.00E+00	0.00E+00	2.44E-09
5149	420814.5	3740433	6.63E-09	1.65E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-09	1.65E-08	0.00E+00	0.00E+00	2.31E-08	8.33E-10	1.62E-09	0.00E+00	0.00E+00	2.45E-09
5150	420809.2	3740450	6.63E-09	1.65E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-09	1.65E-08	0.00E+00	0.00E+00	2.32E-08	8.34E-10	1.62E-09	0.00E+00	0.00E+00	2.45E-09
5151	420803.9	3740467	6.61E-09	1.65E-08	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-09	1.65E-08	0.00E+00	0.00E+00	2.31E-08	8.31E-10	1.61E-09	0.00E+00	0.00E+00	2.44E-09
5152	420791.4	3740490	6.64E-09	1.66E-08	0.00E+00	0.00E+00	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-09	1.66E-08	0.00E+00	0.00E+00	2.32E-08	8.36E-10	1.62E-09	0.00E+00	0.00E+00	2.46E-09
5153	420777.2	3740501	6.77E-09	1.69E-08	0.00E+00	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-09	1.69E-08	0.00E+00	0.00E+00	2.36E-08	8.52E-10	1.65E-09	0.00E+00	0.00E+00	2.50E-09
5154	420763	3740511	6.89E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	8.67E-10	1.68E-09	0.00E+00	0.00E+00	2.55E-09
5155	420748.8	3740522	6.99E-09	1.74E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-09	1.74E-08	0.00E+00	0.00E+00	2.44E-08	8.80E-10	1.71E-09	0.00E+00	0.00E+00	2.59E-09
5156	420734.6	3740533	7.09E-09	1.77E-08	0.00E+00	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-09	1.77E-08	0.00E+00	0.00E+00	2.48E-08	8.91E-10	1.73E-09	0.00E+00	0.00E+00	2.62E-09
5157	420720.4	3740544	7.20E-09	1.79E-08	0.00E+00	0.00E+00	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-09	1.79E-08	0.00E+00	0.00E+00	2.51E-08	9.05E-10	1.76E-09	0.00E+00	0.00E+00	2.66E-09
5158	420706.1	3740555	7.30E-09	1.82E-08	0.00E+00	0.00E+00	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-09	1.82E-08	0.00E+00	0.00E+00	2.55E-08	9.18E-10	1.78E-09	0.00E+00	0.00E+00	2.70E-09
5159	420691.9	3740565	7.40E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-09	1.84E-08	0.00E+00	0.00E+00	2.58E-08	9.31E-10	1.81E-09	0.00E+00	0.00E+00	2.74E-09
5160	420620.9	3740619	7.59E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-09	1.89E-08	0.00E+00	0.00E+00	2.65E-08	9.55E-10	1.85E-09	0.00E+00	0.00E+00	2.81E-09
5161	420606.7	3740630	7.56E-09	1.88E-08	0.00E+00	0.00E+00	2.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-09	1.88E-08	0.00E+00	0.00E+00	2.64E-08	9.51E-10	1.84E-09	0.00E+00	0.00E+00	2.80E-09
5162	420592.5	3740641	7.53E-09	1.88E-08	0.00E+00	0.00E+00	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-09	1.88E-08	0.00E+00	0.00E+00	2.63E-08	9.46E-10	1.84E-09	0.00E+00	0.00E+00	2.78E-09
5163	420578.2	3740652	7.49E-09	1.87E-08	0.00E+00	0.00E+00	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-09	1.87E-08	0.00E+00	0.00E+00	2.61E-08	9.42E-10	1.83E-09	0.00E+00	0.00E+00	2.77E-09
5164	420564	3740663	7.42E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-09	1.85E-08	0.00E+00	0.00E+00	2.59E-08	9.33E-10	1.81E-09	0.00E+00	0.00E+00	2.74E-09
5165	420549.8	3740673	7.33E-09	1.83E-08	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-09	1.83E-08	0.00E+00	0.00E+00	2.56E-08	9.22E-10	1.79E-09	0.00E+00	0.00E+00	2.71E-09
5166	420535.6	3740684	7.23E-09	1.80E-08	0.00E+00	0.00E+00	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-09	1.80E-08	0.00E+00	0.00E+00	2.52E-08	9.09E-10	1.76E-09	0.00E+00	0.00E+00	2.67E-09
5167	420521.4	3740695	7.07E-09	1.76E-08	0.00E+00	0.00E+00	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-09	1.76E-08	0.00E+00	0.00E+00	2.47E-08	8.89E-10	1.72E-09	0.00E+00	0.00E+00	2.61E-09
5168	420514.3	3740701	7.00E-09	1.74E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-09	1.74E-08	0.00E+00	0.00E+00	2.44E-08	8.80E-10	1.71E-09	0.00E+00	0.00E+00	2.59E-09
5169	420500.1	3740711	6.85E-09	1.71E-08	0.00E+00	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-09	1.71E-08	0.00E+00	0.00E+00	2.39E-08	8.61E-10	1.67E-09	0.00E+00	0.00E+00	2.53E-09
5170	420485.9	3740722	6.68E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-09	1.66E-08	0.00E+00	0.00E+00	2.33E-08	8.40E-10	1.63E-09	0.00E+00	0.00E+00	2.47E-09
5171	420478.8	3740728	6.59E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	8.29E-10	1.61E-09	0.00E+00	0.00E+00	2.44E-09
5172	420464.5	3740738	6.40E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-09	1.60E-08	0.00E+00	0.00E+00	2.24E-08	8.05E-10	1.56E-09	0.00E+00	0.00E+00	2.37E-09
5173	420824.2	3740513	6.09E-09	1.52E-08	0.00E+00	0.00E+00	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-09	1.52E-08	0.00E+00	0.00E+00	2.13E-08	7.65E-10	1.49E-09	0.00E+00	0.00E+00	2.25E-09
5174	420810.1	3740524	6.18E-09	1.54E-08	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-09	1.54E-08	0.00E+00	0.00E+00	2.16E-08	7.78E-10	1.51E-09	0.00E+00	0.00E+00	2.29E-09
5175	420795.9	3740534	6.28E-09	1.57E-08	0.00E+00	0.00E+00	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-09	1.57E-08	0.00E+00	0.00E+00	2.19E-08	7.90E-10	1.53E-09	0.00E+00	0.00E+00	2.32E-09
5176	420781.8	3740545	6.36E-09	1.59E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.59E-08	0.00E+00	0.00E+00	2.22E-08	8.00E-10	1.55E-09	0.00E+00	0.00E+00	2.35E-09
5177	420767.6	3740556	6.44E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-09	1.60E-08	0.00E+00	0.00E+00	2.25E-08	8.09E-10	1.57E-09	0.00E+00	0.00E+00	2.38E-09
5178	420711.1	3740599	6.83E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	8.58E-10	1.67E-09	0.00E+00	0.00E+00	2.52E-09
5179	420697	3740610	6.90E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	8.68E-10	1.68E-09	0.00E+00	0.00E+00	2.55E-09
5180	420682.8	3740620	6.95E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-09	1.73E-08	0.00E+00	0.00E+00	2.43E-08	8.74E-10	1.70E-09	0.00E+00	0.00E+00	2.57E-09
5181	420668.7	3740631	6.97E-09	1.74E-08	0.00E+00	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-09	1.74E-08	0.00E+00	0.00E+00	2.44E-08	8.77E-10	1.70E-09	0.00E+00	0.00E+00	2.58E-09
5182	420612.2	3740674	6.91E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-09	1.72E-08	0.00E+00	0.00E+00	2.41E-08	8.69E-10	1.69E-09	0.00E+00	0.00E+00	2.55E-09
5183	420598	3740685	6.86E-09	1.71E-08	0.00E+00	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-09	1.71E-08	0.00E+00	0.00E+00	2.40E-08	8.63E-10	1.68E-09	0.00E+00	0.00E+00	2.54E-09
5184	420583.9	3740695	6.80E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-09	1.70E-08	0.00E+00	0.00E+00	2.38E-08	8.56E-10	1.66E-09	0.00E+00	0.00E+00	2.52E-09
5185	420569.7	3740706	6.72E-09	1.68E-08	0.00E+00	0.00E+00	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-09	1.68E-08	0.00E+00	0.00E+00	2.35E-08	8.46E-10	1.64E-09	0.00E+00	0.00E+00	2.49E-09
5186	420555.6	3740717	6.60E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-09	1.64E-08	0.00E+00	0.00E+00	2.30E-08	8.29E-10	1.61E-09	0.00E+00	0.00E+00	2.44E-09
5187	420541.5	3740728	6.49E-09	1.62E-08	0.00E+00	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-09	1.62E-08	0.00E+00	0.00E+00	2.27E-08	8.16E-10	1.58E-09	0.00E+00	0.00E+00	2.40E-09
5188	420527.3	3740738	6.36E-09	1.59E-08	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-09	1.59E-08	0.00E+00	0.00E+00	2.22E-08	8.00E-10	1.55E-09	0.00E+00	0.00E+00	2.35E-09
5189	420513.2	3740749	6.22E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	7.83E-10	1.52E-09	0.00E+00	0.00E+00	2.30E-09
5190	420499.1	3740760	6.08E-09	1.51E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.51E-08	0.00E+00	0.00E+00	2.12E-08	7.64E-10	1.48E-09	0.00E+00	0.00E+00	2.25E-09
5191	420484.9	3740771	5.91E-09	1.47E-08	0.00E+00	0.00E+00	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-09	1.47E-08	0.00E+00	0.00E+00	2.07E-08	7.44E-10	1.44E-09	0.00E+00	0.00E+00	2.19E-09
5192	420828.8	3740557	5.79E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-09	1.44E-08	0.00E+00	0.00E+00	2.02E-08	7.28E-10	1.41E-09	0.00E+00	0.00E+00	2.14E-09
5193	420772.6	3740600	6.08E-09	1.51E-08	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-09	1.51E-08	0.00E+00	0.00E+00	2.12E-08	7.64E-10	1.48E-09	0.00E+00	0.00E+00	2.25E-09
5194	420758.5	3740611	6.14E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-09	1.53E-08	0.00E+00	0.00E+00	2.14E-08	7.72E-10	1.50E-09	0.00E+00	0.00E+00	2.27E-09
5195	420744.4	3740621	6.22E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-09	1.55E-08	0.00E+00	0.00E+00	2.17E-08	7.83E-10	1.52E-09	0.00E+00	0.00E+00	2.30E-09
5196	420730.3	3740632	6.31E-09	1.57E-08	0.00E+00	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-09	1.57E-08	0

5245	420752.1	3740711	5.49E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	6.90E-10	1.34E-09	0.00E+00	0.00E+00	2.03E-09
5246	420738	3740722	5.51E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-09	1.37E-08	0.00E+00	0.00E+00	1.92E-08	6.92E-10	1.34E-09	0.00E+00	0.00E+00	2.04E-09
5247	420723.8	3740733	5.52E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	6.94E-10	1.35E-09	0.00E+00	0.00E+00	2.04E-09
5248	420709.6	3740744	5.52E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-09	1.38E-08	0.00E+00	0.00E+00	1.93E-08	6.94E-10	1.35E-09	0.00E+00	0.00E+00	2.04E-09
5249	420695.4	3740754	5.48E-09	1.37E-08	0.00E+00	0.00E+00	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-09	1.37E-08	0.00E+00	0.00E+00	1.91E-08	6.89E-10	1.34E-09	0.00E+00	0.00E+00	2.03E-09
5250	420681.2	3740765	5.45E-09	1.36E-08	0.00E+00	0.00E+00	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-09	1.36E-08	0.00E+00	0.00E+00	1.90E-08	6.86E-10	1.33E-09	0.00E+00	0.00E+00	2.02E-09
5251	420667	3740776	5.42E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-09	1.35E-08	0.00E+00	0.00E+00	1.89E-08	6.82E-10	1.32E-09	0.00E+00	0.00E+00	2.00E-09
5252	420610.3	3740819	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-09	1.29E-08	0.00E+00	0.00E+00	1.81E-08	6.52E-10	1.27E-09	0.00E+00	0.00E+00	1.92E-09
5253	420596.1	3740830	5.11E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.42E-10	1.25E-09	0.00E+00	0.00E+00	1.89E-09
5254	420581.9	3740841	5.02E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	6.31E-10	1.23E-09	0.00E+00	0.00E+00	1.86E-09
5255	420567.7	3740851	4.92E-09	1.23E-08	0.00E+00	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-09	1.23E-08	0.00E+00	0.00E+00	1.72E-08	6.19E-10	1.20E-09	0.00E+00	0.00E+00	1.82E-09
5256	420553.5	3740862	4.82E-09	1.20E-08	0.00E+00	0.00E+00	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-09	1.20E-08	0.00E+00	0.00E+00	1.68E-08	6.06E-10	1.18E-09	0.00E+00	0.00E+00	1.78E-09
5257	420539.4	3740873	4.71E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.92E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
5258	420525.2	3740884	4.59E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	5.77E-10	1.12E-09	0.00E+00	0.00E+00	1.70E-09
5259	420828	3740701	4.98E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	6.26E-10	1.21E-09	0.00E+00	0.00E+00	1.84E-09
5260	420813.9	3740712	5.03E-09	1.25E-08	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-09	1.25E-08	0.00E+00	0.00E+00	1.76E-08	6.33E-10	1.23E-09	0.00E+00	0.00E+00	1.86E-09
5261	420799.8	3740723	5.07E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	6.38E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
5262	420785.6	3740734	5.09E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.41E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
5263	420771.5	3740744	5.10E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.42E-10	1.25E-09	0.00E+00	0.00E+00	1.89E-09
5264	420757.4	3740755	5.11E-09	1.27E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	1.27E-08	0.00E+00	0.00E+00	1.79E-08	6.43E-10	1.25E-09	0.00E+00	0.00E+00	1.89E-09
5265	420743.3	3740766	5.12E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	6.44E-10	1.25E-09	0.00E+00	0.00E+00	1.89E-09
5266	420729.1	3740777	5.12E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-09	1.28E-08	0.00E+00	0.00E+00	1.79E-08	6.44E-10	1.25E-09	0.00E+00	0.00E+00	1.89E-09
5267	420715	3740787	5.11E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.43E-10	1.25E-09	0.00E+00	0.00E+00	1.89E-09
5268	420700.9	3740798	5.09E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-09	1.27E-08	0.00E+00	0.00E+00	1.78E-08	6.40E-10	1.24E-09	0.00E+00	0.00E+00	1.88E-09
5269	420686.8	3740809	5.06E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	1.26E-08	0.00E+00	0.00E+00	1.77E-08	6.36E-10	1.23E-09	0.00E+00	0.00E+00	1.87E-09
5270	420672.7	3740819	5.02E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	1.25E-08	0.00E+00	0.00E+00	1.75E-08	6.31E-10	1.22E-09	0.00E+00	0.00E+00	1.86E-09
5271	420658.5	3740830	4.97E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-09	1.24E-08	0.00E+00	0.00E+00	1.74E-08	6.25E-10	1.21E-09	0.00E+00	0.00E+00	1.84E-09
5272	420616.2	3740862	4.78E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-09	1.19E-08	0.00E+00	0.00E+00	1.67E-08	6.01E-10	1.17E-09	0.00E+00	0.00E+00	1.77E-09
5273	420602	3740873	4.67E-09	1.17E-08	0.00E+00	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-09	1.17E-08	0.00E+00	0.00E+00	1.63E-08	5.88E-10	1.14E-09	0.00E+00	0.00E+00	1.73E-09
5274	420587.9	3740884	4.59E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-09	1.14E-08	0.00E+00	0.00E+00	1.60E-08	5.77E-10	1.12E-09	0.00E+00	0.00E+00	1.70E-09
5275	420573.8	3740895	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-09	1.12E-08	0.00E+00	0.00E+00	1.57E-08	5.66E-10	1.10E-09	0.00E+00	0.00E+00	1.67E-09
5276	420559.7	3740905	4.40E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	5.54E-10	1.07E-09	0.00E+00	0.00E+00	1.63E-09
5277	420545.5	3740916	4.30E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-09	1.07E-08	0.00E+00	0.00E+00	1.50E-08	5.41E-10	1.05E-09	0.00E+00	0.00E+00	1.59E-09
5278	420531.4	3740927	4.19E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.27E-10	1.02E-09	0.00E+00	0.00E+00	1.55E-09
5279	420830.7	3740747	4.71E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.92E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
5280	420823.5	3740753	4.72E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	5.94E-10	1.15E-09	0.00E+00	0.00E+00	1.75E-09
5281	420809.2	3740764	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	5.97E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5282	420802.1	3740769	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	5.97E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5283	420794.9	3740774	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	5.98E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5284	420780.7	3740785	4.75E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	5.98E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5285	420773.5	3740791	4.76E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	5.98E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5286	420759.2	3740802	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	5.99E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5287	420752.1	3740807	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	6.00E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5288	420744.9	3740812	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	5.99E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5289	420730.7	3740823	4.76E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-09	1.19E-08	0.00E+00	0.00E+00	1.66E-08	5.98E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5290	420723.5	3740829	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-09	1.18E-08	0.00E+00	0.00E+00	1.66E-08	5.97E-10	1.16E-09	0.00E+00	0.00E+00	1.76E-09
5291	420709.2	3740840	4.72E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	1.18E-08	0.00E+00	0.00E+00	1.65E-08	5.94E-10	1.15E-09	0.00E+00	0.00E+00	1.75E-09
5292	420702.1	3740845	4.71E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.92E-10	1.15E-09	0.00E+00	0.00E+00	1.74E-09
5293	420695	3740850	4.69E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-09	1.17E-08	0.00E+00	0.00E+00	1.64E-08	5.90E-10	1.14E-09	0.00E+00	0.00E+00	1.73E-09
5294	420680.7	3740861	4.65E-09	1.16E-08	0.00E+00	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-09	1.16E-08	0.00E+00	0.00E+00	1.62E-08	5.84E-10	1.13E-09	0.00E+00	0.00E+00	1.72E-09
5295	420673.5	3740867	4.62E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-09	1.15E-08	0.00E+00	0.00E+00	1.61E-08	5.81E-10	1.13E-09	0.00E+00	0.00E+00	1.71E-09
5296	420659.2	3740878	4.57E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-09	1.14E-08	0.00E+00	0.00E+00	1.59E-08	5.74E-10	1.11E-09	0.00E+00	0.00E+00	1.69E-09
5297	420652.1	3740883	4.54E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-09	1.13E-08	0.00E+00	0.00E+00	1.58E-08	5.70E-10	1.11E-09	0.00E+00	0.00E+00	1.68E-09
5298	420609.2	3740916	4.32E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	5.44E-10	1.06E-09	0.00E+00	0.00E+00	1.60E-09
5299	420602.1	3740921	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-09	1.06E-08	0.00E+00	0.00E+00	1.49E-08	5.36E-10	1.04E-09	0.00E+00	0.00E+00	1.58E-09
5300	420595	3740926	4.22E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-09	1.05E-08	0.00E+00	0.00E+00	1.47E-08	5.31E-10	1.03E-09	0.00E+00	0.00E+00	1.56E-09
5301	420580.7	3740937	4.13E-09	1.03E-08	0.00E+00	0.00E+00	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-09	1.03E-08	0.00E+00	0.00E+00	1.44E-08	5.20E-10	1.01E-09	0.00E+00	0.00E+00	1.53E-09
5302	420573.5	3740943	4.09E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-09	1.02E-08	0.00E+00	0.00E+00	1.43E-08	5.14E-10	9.97E-10	0.00E+00	0.00E+00	1.51E-09
5303	420559.2	3740954	3.99E-09	9.95E-09	0.00E+00	0.00E+00	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-09	9.95E-09	0.00E+00	0.00E+00	1.39E-08	5.02E-10	9.74E-10	0.00E+00	0.00E+00	1.48E-09
5304	420552.1	3740959	3.94E-09	9.82E-09	0.00E+00	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-09	9.82E-09	0.00E+00	0.00E+00	1.38E-08	4.96E-10	9.62E-10	0.00E+00	0.00E+00	1.46E-09
5305	420545	3740964	3.89E-09	9.70E-09	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-09	9.70E-09	0.00E+00	0.00E+00	1.36E-08	4.89E-10	9.50E-10	0.00E+00	0.00E+00	1.44E-09
5306	420828.5	3740797	4.43E-09	1.10E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-09	1.10E-08	0.00E+00	0.00E+00	1.55E-08	5.57E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
5307	420821.4	3740802	4.44E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	5.58E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
5308	420807.2	3740813	4.45E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	5.60E-10	1.09E-09	0.00E+00	0.00E+00	1.65E-09
5309	420793	3740824	4.46E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	5.61E-10	1.09E-09	0.00E+00	0.00E+00	1.65E-09
5310	420778.8	3740835	4.47E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	5.62E-10	1.09E-09	0.00E+00	0.00E+00	1.65E-09
5311	420771.6	3740840	4.47E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	5.62E-10	1.09E-09	0.00E+00	0.00E+00	1.65E-09
5312	420757.4	3740851	4.46E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	1.11E-08	0.00E+00	0.00E+00	1.56E-08	5.61E-10	1.09E-09	0.00E+00	0.00E+00	1.65E-09
5313	420743.2	3740862	4.44E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-09	1.11E-08	0.00E+00	0.00E+00	1.55E-08	5.59E-10	1.08E-09	0.00E+00	0.00E+00	1.64E-09
5314	420729	3740872	4.42E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-09	1.10E-08	0.00E+00	0.00E+00	1.54E-08	5.56E-10	1.08E-09	0.00E+00	0.00E+00	1.63E-09
5315	420714.7	3740883	4.39E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	5.52E-10	1.07E-09	0.00E+00	0.00E+00	1.62E-09
5316	420707.6	3740889	4.37E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-09	1.09E-08	0.00E+00	0.00E+00	1.53E-08	5.49E-10	1.07E-09	0.00E+00	0.00E+00	1.62E-09
5317	420693.4	3740899	4.32E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-09	1.08E-08	0.00E+00	0.00E+00	1.51E-08	5.44E-10	1.06E-09	0.00E+00	0.00E+00	1.60E-09
5318	420679.2	3740910	4.27E-09	1.07E-08	0.00E+00	0.00E+00	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-09	1.07E-08	0.00E+00	0.00E+00	1.49E-08	5.37E-10	1.04E-09	0.00E+00	0.00E+00	1.58E-09
5319	420672.1	3740916	4.25E-09	1.06E-08	0.00E+00	0.00E+00	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-09	1.06E-08	0.00E+00	0.00E+00	1.48E-08	5.34E-10	1.04E-09	0.00E+00	0.00E+00	1.57E-09
5320	420657.9	3740926	4.19E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-09	1.04E-08	0.00E+00	0.00E+00	1.46E-08	5.27E-10	1.02E-09	0.00E+00	0.00E+00	1.55E-09
5321	420622.3	3740953	4.02E-09	1.00E-08	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-09	1.00E-08	0.00E+00	0.00E+00	1.40E-08	5.05E-10	9.81E-10	0.00E+00	0.00E+00	1.49E-09
5322	420608.1	3740964	3.92E-09	9.78E-09	0.00E+00	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-09	9.78E-09	0.00E+00	0.00E+00	1.37E-08	4.93E-10	9.57E-10	0.00E+00	0.00E+00	1.45E-09
5323	420593.8	3740975	3.86E-09	9.62E-09	0.00E+00	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-09	9.62E-09	0.00E+00	0.00E+00	1.35E-08	4.86E-10	9.42E-10	0.00E+00	0.00E+00	1.43E-09
5324	420586.7	3740981	3.82E-09	9.52E-09	0.00E+00	0.00E+00	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-09	9.52E-09	0.00E+00

5373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

5885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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291	420531.79	3739989	6.33E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.58E-03	0.00E+00	0.00E+00	7.96E-05	1.55E-04	0.00E+00	0.00E+00	420531.8	3739989	0.001578	0	0.001578	0.000154506
292	420535.4	3739997	6.53E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.63E-03	0.00E+00	0.00E+00	8.21E-05	1.59E-04	0.00E+00	0.00E+00	420535.4	3739997	0.001627	0	0.001627	0.000159264
293	420498.29	3739837	3.44E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.57E-04	0.00E+00	0.00E+00	4.32E-05	8.39E-05	0.00E+00	0.00E+00	420498.3	3739837	0.000857	0	0.000857	8.39054E-05
294	420501.82	3739845	3.52E-04	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	8.77E-04	0.00E+00	0.00E+00	4.43E-05	8.59E-05	0.00E+00	0.00E+00	420501.8	3739845	0.000877	0	0.000877	8.58872E-05
295	420505.36	3739854	3.61E-04	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	8.99E-04	0.00E+00	0.00E+00	4.53E-05	8.80E-05	0.00E+00	0.00E+00	420505.4	3739854	0.000899	0	0.000899	8.79817E-05
296	420512.43	3739871	3.79E-04	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	9.45E-04	0.00E+00	0.00E+00	4.77E-05	9.25E-05	0.00E+00	0.00E+00	420512.4	3739871	0.000945	0	0.000945	9.25437E-05
297	420515.96	3739879	3.89E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	9.71E-04	0.00E+00	0.00E+00	4.90E-05	9.50E-05	0.00E+00	0.00E+00	420516	3739879	0.000971	0	0.000971	9.50328E-05
298	420519.5	3739888	4.00E-04	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	9.97E-04	0.00E+00	0.00E+00	5.03E-05	9.76E-05	0.00E+00	0.00E+00	420519.5	3739888	0.000997	0	0.000997	9.76492E-05
299	420523.03	3739896	4.11E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	1.03E-03	0.00E+00	0.00E+00	5.17E-05	1.00E-04	0.00E+00	0.00E+00	420523	3739896	0.001025	0	0.001025	0.000100396
300	420530.11	3739913	4.36E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	1.09E-03	0.00E+00	0.00E+00	5.48E-05	1.06E-04	0.00E+00	0.00E+00	420530.1	3739913	0.001086	0	0.001086	0.000106291
301	420547.78	3739955	5.04E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	1.26E-03	0.00E+00	0.00E+00	6.34E-05	1.23E-04	0.00E+00	0.00E+00	420547.8	3739955	0.001257	0	0.001257	0.000123044
302	420551.32	3739964	5.19E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	1.29E-03	0.00E+00	0.00E+00	6.53E-05	1.27E-04	0.00E+00	0.00E+00	420551.3	3739964	0.001294	0	0.001294	0.000126658
303	420554.85	3739972	5.34E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	1.33E-03	0.00E+00	0.00E+00	6.72E-05	1.30E-04	0.00E+00	0.00E+00	420554.9	3739972	0.001331	0	0.001331	0.000130349
304	420561.92	3739989	5.65E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.41E-03	0.00E+00	0.00E+00	7.10E-05	1.38E-04	0.00E+00	0.00E+00	420561.9	3739989	0.001408	0	0.001408	0.000137869
305	420565.46	3739997	5.80E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	1.45E-03	0.00E+00	0.00E+00	7.30E-05	1.42E-04	0.00E+00	0.00E+00	420565.5	3739997	0.001447	0	0.001447	0.000141659
306	420509.23	3739791	2.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.08E-04	0.00E+00	0.00E+00	3.57E-05	6.93E-05	0.00E+00	0.00E+00	420509.2	3739791	0.000708	0	0.000708	6.93233E-05
307	420512.82	3739800	2.90E-04	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.22E-04	0.00E+00	0.00E+00	3.64E-05	7.07E-05	0.00E+00	0.00E+00	420512.8	3739800	0.000722	0	0.000722	7.06952E-05
308	420516.41	3739808	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.22E-05	0.00E+00	0.00E+00	420516.4	3739808	0.000737	0	0.000737	7.21512E-05
309	420520	3739817	3.02E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.53E-04	0.00E+00	0.00E+00	3.80E-05	7.37E-05	0.00E+00	0.00E+00	420520	3739817	0.000753	0	0.000753	7.36964E-05
310	420523.59	3739826	3.09E-04	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	7.69E-04	0.00E+00	0.00E+00	3.88E-05	7.53E-05	0.00E+00	0.00E+00	420523.6	3739826	0.000769	0	0.000769	7.53346E-05
311	420527.18	3739834	3.16E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.87E-04	0.00E+00	0.00E+00	3.97E-05	7.71E-05	0.00E+00	0.00E+00	420527.2	3739834	0.000787	0	0.000787	7.70589E-05
312	420530.77	3739843	3.23E-04	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.05E-04	0.00E+00	0.00E+00	4.06E-05	7.89E-05	0.00E+00	0.00E+00	420530.8	3739843	0.000805	0	0.000805	7.88675E-05
313	420534.36	3739851	3.31E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.25E-04	0.00E+00	0.00E+00	4.16E-05	8.08E-05	0.00E+00	0.00E+00	420534.4	3739851	0.000825	0	0.000825	8.0771E-05
314	420537.95	3739860	3.39E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	8.45E-04	0.00E+00	0.00E+00	4.27E-05	8.28E-05	0.00E+00	0.00E+00	420538	3739860	0.000845	0	0.000845	8.27754E-05
315	420541.54	3739869	3.48E-04	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.67E-04	0.00E+00	0.00E+00	4.37E-05	8.49E-05	0.00E+00	0.00E+00	420541.5	3739869	0.000867	0	0.000867	8.48787E-05
316	420545.13	3739877	3.57E-04	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	8.89E-04	0.00E+00	0.00E+00	4.49E-05	8.71E-05	0.00E+00	0.00E+00	420545.1	3739877	0.000889	0	0.000889	8.70906E-05
317	420548.72	3739886	3.66E-04	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.13E-04	0.00E+00	0.00E+00	4.61E-05	8.94E-05	0.00E+00	0.00E+00	420548.7	3739886	0.000913	0	0.000913	8.94103E-05
318	420552.32	3739894	3.76E-04	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	9.38E-04	0.00E+00	0.00E+00	4.73E-05	9.18E-05	0.00E+00	0.00E+00	420552.3	3739894	0.000938	0	0.000938	9.1823E-05
319	420570.27	3739937	4.31E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	1.07E-03	0.00E+00	0.00E+00	5.42E-05	1.05E-04	0.00E+00	0.00E+00	420570.3	3739937	0.001074	0	0.001074	0.000105204
320	420573.86	3739946	4.43E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	1.10E-03	0.00E+00	0.00E+00	5.57E-05	1.08E-04	0.00E+00	0.00E+00	420573.9	3739946	0.001104	0	0.001104	0.000108102
321	420577.45	3739954	4.55E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	1.13E-03	0.00E+00	0.00E+00	5.72E-05	1.11E-04	0.00E+00	0.00E+00	420577.5	3739954	0.001134	0	0.001134	0.000111079
322	420581.04	3739963	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.88E-05	1.14E-04	0.00E+00	0.00E+00	420581	3739963	0.001166	0	0.001166	0.000114134
323	420584.63	3739971	4.80E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	1.20E-03	0.00E+00	0.00E+00	6.04E-05	1.17E-04	0.00E+00	0.00E+00	420584.6	3739971	0.001197	0	0.001197	0.000117218
324	420588.22	3739980	4.78E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	1.19E-03	0.00E+00	0.00E+00	6.01E-05	1.17E-04	0.00E+00	0.00E+00	420588.2	3739980	0.001191	0	0.001191	0.000116582
325	420591.81	3739989	5.06E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	1.26E-03	0.00E+00	0.00E+00	6.37E-05	1.24E-04	0.00E+00	0.00E+00	420591.8	3739989	0.001262	0	0.001262	0.000123602
326	420595.4	3739997	5.20E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	1.30E-03	0.00E+00	0.00E+00	6.54E-05	1.27E-04	0.00E+00	0.00E+00	420595.4	3739997	0.001297	0	0.001297	0.000126951
327	420537.07	3739786	2.61E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.50E-04	0.00E+00	0.00E+00	3.28E-05	6.37E-05	0.00E+00	0.00E+00	420537.1	3739786	0.00065	0	0.00065	6.36656E-05
328	420540.61	3739794	2.66E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.63E-04	0.00E+00	0.00E+00	3.34E-05	6.49E-05	0.00E+00	0.00E+00	420540.6	3739794	0.000663	0	0.000663	6.48964E-05
329	420544.14	3739803	2.71E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.76E-04	0.00E+00	0.00E+00	3.41E-05	6.62E-05	0.00E+00	0.00E+00	420544.1	3739803	0.000676	0	0.000676	6.61821E-05
330	420551.21	3739820	2.83E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	7.04E-04	0.00E+00	0.00E+00	3.55E-05	6.90E-05	0.00E+00	0.00E+00	420551.2	3739820	0.000704	0	0.000704	6.89777E-05
331	420554.75	3739828	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00	420554.8	3739828	0.00072	0	0.00072	7.04876E-05
332	420558.29	3739837	2.95E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	7.36E-04	0.00E+00	0.00E+00	3.71E-05	7.21E-05	0.00E+00	0.00E+00	420558.3	3739837	0.000736	0	0.000736	7.20562E-05
333	420561.82	3739845	3.02E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.53E-04	0.00E+00	0.00E+00	3.80E-05	7.37E-05	0.00E+00	0.00E+00	420561.8	3739845	0.000753	0	0.000753	7.37023E-05
334	420568.89	3739862	3.17E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	7.89E-04	0.00E+00	0.00E+00	3.98E-05	7.72E-05	0.00E+00	0.00E+00	420568.9	3739862	0.000789	0	0.000789	7.7244E-05
335	420590.1	3739913	3.67E-04	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	9.14E-04	0.00E+00	0.00E+00	4.61E-05	8.95E-05	0.00E+00	0.00E+00	420590.1	3739913	0.000914	0	0.000914	8.95122E-05
336	420593.64	3739921	3.76E-04	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	9.38E-04	0.00E+00	0.00E+00	4.73E-05	9.18E-05	0.00E+00	0.00E+00	420593.6	3739921	0.000938	0	0.000938	9.17986E-05
337	420600.71	3739938	3.95E-04	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	9.85E-04	0.00E+00	0.00E+00	4.97E-05	9.65E-05	0.00E+00	0.00E+00	420600.7	3739938	0.000985	0	0.000985	9.64595E-05
338	420604.25	3739947	4.05E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	1.01E-03	0.00E+00	0.00E+00	5.09E-05	9.88E-05	0.00E+00	0.00E+00	420604.3	3739947	0.001009	0	0.001009	9.88389E-05
339	420607.78	3739955	4.01E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	1.00E-03	0.00E+00	0.00E+00	5.05E-05	9.80E-05	0.00E+00	0.00E+00	420607.8	3739955	0.001001	0	0.001001	9.79674E-05
340	420611.32	3739963	4.11E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	1.02E-03	0.00E+00	0.00E+00	5.17E-05	1.00E-04	0.00E+00	0.00E+00	420611.3	3739963	0.001024	0	0.001024	0.000100278
341	420618.39	3739980	4.31E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	1.07E-03	0.00E+00	0.00E+00	5.42E-05	1.05E-04	0.00E+00	0.00E+00	420618.4	3739980	0.001075	0	0.001075	0.000105253
342	420621.92	3739989	4.44E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	1.11E-03	0.00E+00	0.00E+00	5.58E-05	1.08E-04	0.00E+00	0.00E+00	420621.9	3739989	0.001106	0	0.001106	0.000108337
343	420530	3739697	2.01E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.02E-04	0.00E+00	0.00E+00	2.53E-05	4.91E-05	0.00E+00	0.00E+00	420530	3739697	0.000502	0	0.000502	4.91188E-05
344	420533.58	3739706	2.04E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00	420533.6	3739706	0.000507	0	0.000507	4.96917E-05
345	420537.16	3739714	2.06E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.14E-04	0.00E+00	0.00E+00	2.59E-05	5.03E-05	0.00E+00	0.00E+00	420537.2	3739714	0.000514	0	0.000514	5.03232E-05
346	420540.75	3739723	2.09E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.21E-04	0.00E+00	0.00E+00	2.63E-05	5.10E-05	0.00E+00	0.00E+00	420540.8	3739723	0.000521	0	0.000521	5.10214E-05
347	420544.33	3739732	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00	420544.3	3739732	0.000529	0	0.000529	5.1794E-05
348	420547.91	3739740	2.16E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00	420547.9	3739740	0.000537	0	0.000537	5.25998E-05
349	420551.5	3739749	2.19E-04	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.46E-04	0.00E+00	0.00E+00	2.76E-05	5.35E-05	0.00E+00	0.00E+00	420551.5	3739749	0.000546	0	0.000546	5.35115E-05
350	420555.08	3739757	2.23E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.56E-04	0.00E+00	0.00E+00	2.81E-05	5.44E-05	0.00E+00	0.00E+00	420555.1	3739757	0.000556	0	0.000556	5.44348E-05
351	420569.41	3739791	2.40E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.98E-04	0.00E+00	0.00E+00	3.02E-05	5.86E-05	0.00E+00	0.00E+00	420569.4	3739791	0.000598	0	0.000598	5.85513E-05
352	420573	3739800	2.51E-04	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.26E-04	0.00E+00	0.00E+00	3.16E-05	6.13E-05	0.00E+00	0.00E+00	420573	3739800	0.000626	0	0.000626	6.12647E-05
353	420576.58	3739809	2.56E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.39E-04	0.00E+00	0.00E+00	3.22E-05	6.26E-05	0.00E+00	0.00E+00	420576.6	3739809	0.000639	0	0.000639	6.25523E-05
354	420580.16	3739817	2.62E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	6.52E-04	0.00E+00	0.00E+00	3.29E-05	6.39E-05	0.00E+00	0.00E+00	420580.2	3739817	0.000652	0	0.000652	6.38869E-05
355	420583.75	3739826	2.67E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.67E-04	0.00E+00	0.00E+00	3.36E-05	6.53E-05	0.00E+00	0.00E+00	420583.8	3739826	0.000667	0	0.000667	6.52715E-05
356	420587.33	3739834	2.73E-04	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	6.81E-04	0.00E+00	0.00E+00	3.44E-05	6.67E-05	0.00E+00	0.00E+00	420587.3	3739834	0.000681	0	0.000681	6.66991E-05
357	420608.83	3739886	3.14E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	7.82E-04	0.00E+00	0.00E+00	3.94E-05	7.65E-05	0.00E+00	0.00E+00	420608.8	3739886	0.000782	0	0.000782	7.65468E-05
358	420612.41	3739894	3.21E-04	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.01E-04	0.00E+00	0.00E+00	4.04E-05	7.84E-05	0.00E+00	0.00E+00	420612.4	3739894	0.000801	0	0.000801	7.83974E-05
359	420644.66	3739971	3.85E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	9.58E-04	0.00E+00	0.00E+00	4.84E-05	9.38E-05	0.00E+00	0.00E+00	420644.7	3739971	0.000958	0	0.000958	9.38402E-05
360	420648.24	3739980	3.94E-04	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	9.81E-04	0.00E+00	0.00E+00	4.95E-05	9.60E-05	0.00E+00	0.00E+00	420648.2	3739980	0.000981	0	0.000981	9.60433E-05
361	420651.83	3739988	4.03E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	1.01E-03	0.00E+00	0.00E+00	5.07E-05	9.85E-05	0.00E+00	0.00E+00	420651.8	3739988	0.001006	0	0.001006	9.84668E-05
362	420655.41	3739997	4.13E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	1.03E-03	0.00E+00	0.00E+00	5.20E-05	1.01E-04	0.00E+00	0.00E+00	420655.4	3739997	0.00103	0	0.00103	0.000100846
363	420530.65	3739660	1.89E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.70E-04	0.00E+00	0.00E+00	2.37E-05	4.60E-05	0.00E+00	0.00E+00	420530.7	3739660	0.00047	0	0.00047	4.60452E-05
364	420539.11	3739664	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00	420539.1	3739664	0.000466	0	0.000466	4.5584E-05
365	420551.11	3739676	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.57E-05	0.00E+00	0.00E+00	420551.1	3739676	0.000466	0	0.000466	4.56702E-05
366	420558.18	3739693	1.87E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.67E-04	0.00E+00	0.00E+00	2.36E-05	4.57E-05	0.00E+00	0.00E+00	420558.2	3739693	0.000467	0	0.000467	4.57446E-05
367	420561.72	3739701	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.38E-05	4.63E-05	0.00E+00	0.00E+00	420561.7	3739701	0.000473	0	0.000473	4.62743E-05
368	420565.25	3739710	1.92E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.78E-04	0.00E+00	0.00E+00	2.41E-05	4.68E-05	0.00E+00	0.00E+00	420565.3	3739710	0.000478	0	0.000478	4.68285E-05
369	420568.79	3739718	1.95E-04	4.85E-04	0.00E+00	0.00E+00	0

438	420680.29	3739841	2.28E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.69E-04	0.00E+00	0.00E+00	2.87E-05	5.58E-05	0.00E+00	0.00E+00	420680.3	3739841	0.000569	0	0.000569	5.57636E-05
439	420683.91	3739850	2.33E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.81E-04	0.00E+00	0.00E+00	2.93E-05	5.69E-05	0.00E+00	0.00E+00	420683.9	3739850	0.000581	0	0.000581	5.68877E-05
440	420687.52	3739858	2.38E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.93E-04	0.00E+00	0.00E+00	2.99E-05	5.81E-05	0.00E+00	0.00E+00	420687.5	3739858	0.000593	0	0.000593	5.80519E-05
441	420691.14	3739867	2.43E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.05E-04	0.00E+00	0.00E+00	3.05E-05	5.93E-05	0.00E+00	0.00E+00	420691.1	3739867	0.000605	0	0.000605	5.92534E-05
442	420694.76	3739875	2.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.18E-04	0.00E+00	0.00E+00	3.12E-05	6.05E-05	0.00E+00	0.00E+00	420694.8	3739875	0.000618	0	0.000618	6.04901E-05
443	420698.37	3739884	2.53E-04	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.31E-04	0.00E+00	0.00E+00	3.18E-05	6.18E-05	0.00E+00	0.00E+00	420698.4	3739884	0.000631	0	0.000631	6.1767E-05
444	420701.99	3739893	2.58E-04	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	6.44E-04	0.00E+00	0.00E+00	3.25E-05	6.31E-05	0.00E+00	0.00E+00	420702	3739893	0.000644	0	0.000644	6.30742E-05
445	420705.6	3739901	2.64E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.58E-04	0.00E+00	0.00E+00	3.32E-05	6.44E-05	0.00E+00	0.00E+00	420705.6	3739901	0.000658	0	0.000658	6.44088E-05
446	420709.22	3739910	2.70E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.72E-04	0.00E+00	0.00E+00	3.39E-05	6.58E-05	0.00E+00	0.00E+00	420709.2	3739910	0.000672	0	0.000672	6.57816E-05
447	420712.83	3739919	2.75E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	6.86E-04	0.00E+00	0.00E+00	3.46E-05	6.72E-05	0.00E+00	0.00E+00	420712.8	3739919	0.000686	0	0.000686	6.71926E-05
448	420716.45	3739927	2.81E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.01E-04	0.00E+00	0.00E+00	3.53E-05	6.86E-05	0.00E+00	0.00E+00	420716.5	3739927	0.000701	0	0.000701	6.85948E-05
449	420720.07	3739936	2.87E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.15E-04	0.00E+00	0.00E+00	3.61E-05	7.00E-05	0.00E+00	0.00E+00	420720.1	3739936	0.000715	0	0.000715	7.00009E-05
450	420723.68	3739945	2.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.08E-04	0.00E+00	0.00E+00	3.57E-05	6.93E-05	0.00E+00	0.00E+00	420723.7	3739945	0.000708	0	0.000708	6.93038E-05
451	420727.3	3739953	2.90E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.23E-04	0.00E+00	0.00E+00	3.65E-05	7.08E-05	0.00E+00	0.00E+00	420727.3	3739953	0.000723	0	0.000723	7.0751E-05
452	420738.15	3739979	3.09E-04	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	7.71E-04	0.00E+00	0.00E+00	3.89E-05	7.55E-05	0.00E+00	0.00E+00	420738.2	3739979	0.000771	0	0.000771	7.54756E-05
453	420741.76	3739988	3.16E-04	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.88E-04	0.00E+00	0.00E+00	3.98E-05	7.72E-05	0.00E+00	0.00E+00	420741.8	3739988	0.000788	0	0.000788	7.71549E-05
454	420745.38	3739996	3.31E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.25E-04	0.00E+00	0.00E+00	4.16E-05	8.08E-05	0.00E+00	0.00E+00	420745.4	3739996	0.000825	0	0.000825	8.07837E-05
455	420534.07	3739572	1.55E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.87E-04	0.00E+00	0.00E+00	1.95E-05	3.79E-05	0.00E+00	0.00E+00	420534.1	3739572	0.000387	0	0.000387	3.78612E-05
456	420542.62	3739575	1.54E-04	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.83E-04	0.00E+00	0.00E+00	1.93E-05	3.75E-05	0.00E+00	0.00E+00	420542.6	3739575	0.000383	0	0.000383	3.7493E-05
457	420551.18	3739579	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00	420551.2	3739579	0.000379	0	0.000379	3.71268E-05
458	420559.73	3739582	1.51E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.76E-04	0.00E+00	0.00E+00	1.89E-05	3.68E-05	0.00E+00	0.00E+00	420559.7	3739582	0.000376	0	0.000376	3.67703E-05
459	420568.29	3739586	1.49E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.72E-04	0.00E+00	0.00E+00	1.88E-05	3.64E-05	0.00E+00	0.00E+00	420568.3	3739586	0.000372	0	0.000372	3.64208E-05
460	420576.84	3739590	1.48E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.69E-04	0.00E+00	0.00E+00	1.86E-05	3.61E-05	0.00E+00	0.00E+00	420576.8	3739590	0.000369	0	0.000369	3.60879E-05
461	420585.39	3739593	1.47E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.58E-05	0.00E+00	0.00E+00	420585.4	3739593	0.000365	0	0.000365	3.57677E-05
462	420593.95	3739597	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.83E-05	3.55E-05	0.00E+00	0.00E+00	420594	3739597	0.000362	0	0.000362	3.54553E-05
463	420602.5	3739600	1.44E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.59E-04	0.00E+00	0.00E+00	1.81E-05	3.52E-05	0.00E+00	0.00E+00	420602.5	3739600	0.000359	0	0.000359	3.51508E-05
464	420686.09	3739783	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00	420686.1	3739783	0.000474	0	0.000474	4.63771E-05
465	420689.67	3739791	1.93E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.82E-04	0.00E+00	0.00E+00	2.43E-05	4.72E-05	0.00E+00	0.00E+00	420689.7	3739791	0.000482	0	0.000482	4.71908E-05
466	420693.24	3739800	1.97E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.91E-04	0.00E+00	0.00E+00	2.48E-05	4.80E-05	0.00E+00	0.00E+00	420693.2	3739800	0.000491	0	0.000491	4.80359E-05
467	420696.81	3739809	2.00E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.99E-04	0.00E+00	0.00E+00	2.52E-05	4.89E-05	0.00E+00	0.00E+00	420696.8	3739809	0.000499	0	0.000499	4.88936E-05
468	420700.38	3739817	2.04E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.08E-04	0.00E+00	0.00E+00	2.57E-05	4.98E-05	0.00E+00	0.00E+00	420700.4	3739817	0.000508	0	0.000508	4.97837E-05
469	420703.96	3739826	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00	420704	3739826	0.000518	0	0.000518	5.07032E-05
470	420707.53	3739834	2.12E-04	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.28E-04	0.00E+00	0.00E+00	2.66E-05	5.17E-05	0.00E+00	0.00E+00	420707.5	3739834	0.000528	0	0.000528	5.1654E-05
471	420711.1	3739843	2.16E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.38E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00	420711.1	3739843	0.000538	0	0.000538	5.26371E-05
472	420714.68	3739851	2.20E-04	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.48E-04	0.00E+00	0.00E+00	2.76E-05	5.37E-05	0.00E+00	0.00E+00	420714.7	3739851	0.000548	0	0.000548	5.36505E-05
473	420718.25	3739860	2.24E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.59E-04	0.00E+00	0.00E+00	2.82E-05	5.47E-05	0.00E+00	0.00E+00	420718.3	3739860	0.000559	0	0.000559	5.46963E-05
474	420721.82	3739868	2.29E-04	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.70E-04	0.00E+00	0.00E+00	2.87E-05	5.58E-05	0.00E+00	0.00E+00	420721.8	3739868	0.00057	0	0.00057	5.57724E-05
475	420725.4	3739877	2.33E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.81E-04	0.00E+00	0.00E+00	2.93E-05	5.69E-05	0.00E+00	0.00E+00	420725.4	3739877	0.000581	0	0.000581	5.68779E-05
476	420768.27	3739979	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.21E-05	0.00E+00	0.00E+00	420768.3	3739979	0.000737	0	0.000737	7.21434E-05
477	420771.85	3739988	3.01E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.51E-04	0.00E+00	0.00E+00	3.79E-05	7.35E-05	0.00E+00	0.00E+00	420771.9	3739988	0.000751	0	0.000751	7.34976E-05
478	420775.42	3739996	3.07E-04	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	7.64E-04	0.00E+00	0.00E+00	3.86E-05	7.48E-05	0.00E+00	0.00E+00	420775.4	3739996	0.000764	0	0.000764	7.4844E-05
479	420606.31	3739572	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00	420606.3	3739572	0.000337	0	0.000337	3.30455E-05
480	420715.19	3739781	1.79E-04	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.46E-04	0.00E+00	0.00E+00	2.25E-05	4.37E-05	0.00E+00	0.00E+00	420715.2	3739781	0.000446	0	0.000446	4.36834E-05
481	420718.8	3739789	1.82E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.54E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-05	0.00E+00	0.00E+00	420718.8	3739789	0.000454	0	0.000454	4.44256E-05
482	420722.41	3739798	1.85E-04	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.61E-04	0.00E+00	0.00E+00	2.33E-05	4.52E-05	0.00E+00	0.00E+00	420722.4	3739798	0.000461	0	0.000461	4.51864E-05
483	420726.02	3739807	1.88E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.69E-04	0.00E+00	0.00E+00	2.37E-05	4.60E-05	0.00E+00	0.00E+00	420726	3739807	0.000469	0	0.000469	4.59688E-05
484	420798.17	3739979	2.75E-04	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	6.85E-04	0.00E+00	0.00E+00	3.46E-05	6.71E-05	0.00E+00	0.00E+00	420798.2	3739979	0.000685	0	0.000685	6.71172E-05
485	420801.78	3739988	2.80E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.98E-04	0.00E+00	0.00E+00	3.52E-05	6.83E-05	0.00E+00	0.00E+00	420801.8	3739988	0.000698	0	0.000698	6.83128E-05
486	420805.39	3739996	2.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	7.10E-04	0.00E+00	0.00E+00	3.58E-05	6.95E-05	0.00E+00	0.00E+00	420805.4	3739996	0.00071	0	0.00071	6.95045E-05
487	420058.45	3740008	1.22E-02	3.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02	3.04E-02	0.00E+00	0.00E+00	1.54E-03	2.98E-03	0.00E+00	0.00E+00	420058.5	3740008	0.030437	0	0.030437	0.002980345
488	420058.5	3740017	1.39E-02	3.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02	3.47E-02	0.00E+00	0.00E+00	1.75E-03	3.40E-03	0.00E+00	0.00E+00	420058.5	3740017	0.034702	0	0.034702	0.003397967
489	420058.55	3740027	1.54E-02	3.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-02	3.84E-02	0.00E+00	0.00E+00	1.94E-03	3.76E-03	0.00E+00	0.00E+00	420058.6	3740027	0.038425	0	0.038425	0.003762517
490	420058.61	3740036	1.65E-02	4.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-02	4.11E-02	0.00E+00	0.00E+00	2.08E-03	4.03E-03	0.00E+00	0.00E+00	420058.6	3740036	0.041137	0	0.041137	0.004028072
491	420058.66	3740045	1.72E-02	4.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-02	4.29E-02	0.00E+00	0.00E+00	2.17E-03	4.21E-03	0.00E+00	0.00E+00	420058.7	3740045	0.042944	0	0.042944	0.004205011
492	420058.71	3740055	1.76E-02	4.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-02	4.38E-02	0.00E+00	0.00E+00	2.21E-03	4.29E-03	0.00E+00	0.00E+00	420058.7	3740055	0.043816	0	0.043816	0.004290396
493	420058.76	3740064	1.69E-02	4.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-02	4.22E-02	0.00E+00	0.00E+00	2.13E-03	4.13E-03	0.00E+00	0.00E+00	420058.8	3740064	0.042188	0	0.042188	0.004130985
494	420058.81	3740074	1.58E-02	3.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	3.94E-02	0.00E+00	0.00E+00	1.99E-03	3.86E-03	0.00E+00	0.00E+00	420058.8	3740074	0.0394	0	0.0394	0.003857988
495	420058.86	3740083	1.48E-02	3.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-02	3.69E-02	0.00E+00	0.00E+00	1.86E-03	3.61E-03	0.00E+00	0.00E+00	420058.9	3740083	0.036866	0	0.036866	0.003609862
496	420058.92	3740092	1.35E-02	3.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	3.36E-02	0.00E+00	0.00E+00	1.70E-03	3.29E-03	0.00E+00	0.00E+00	420058.9	3740092	0.033626	0	0.033626	0.003292607
497	420058.97	3740102	1.21E-02	3.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-02	3.00E-02	0.00E+00	0.00E+00	1.52E-03	2.94E-03	0.00E+00	0.00E+00	420059	3740102	0.030048	0	0.030048	0.002942254
498	420059.02	3740111	1.07E-02	2.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-02	2.67E-02	0.00E+00	0.00E+00	1.35E-03	2.61E-03	0.00E+00	0.00E+00	420059	3740111	0.026683	0	0.026683	0.002612759
499	420059.07	3740121	9.30E-03	2.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-03	2.32E-02	0.00E+00	0.00E+00	1.17E-03	2.27E-03	0.00E+00	0.00E+00	420059.1	3740121	0.023184	0	0.023184	0.002270142
500	420051.36	3740001	9.39E-03	2.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-03	2.34E-02	0.00E+00	0.00E+00	1.18E-03	2.29E-03	0.00E+00	0.00E+00	420051.4	3740001	0.023402	0	0.023402	0.002291488
501	420048.5	3740017	1.06E-02	2.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-02	2.64E-02	0.00E+00	0.00E+00	1.33E-03	2.58E-03	0.00E+00	0.00E+00	420048.5	3740017	0.026358	0	0.026358	0.002580935
502	420048.55	3740027	1.15E-02	2.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-02	2.86E-02	0.00E+00	0.00E+00	1.45E-03	2.80E-03	0.00E+00	0.00E+00	420048.6	3740027	0.028639	0	0.028639	0.002804287
503	420048.61	3740036	1.22E-02	3.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02	3.04E-02	0.00E+00	0.00E+00	1.53E-03	2.98E-03	0.00E+00	0.00E+00	420048.6	3740036	0.030401	0	0.030401	0.00297682
504	420048.66	3740045	1.27E-02	3.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-02	3.17E-02	0.00E+00	0.00E+00	1.60E-03	3.10E-03	0.00E+00	0.00E+00	420048.7	3740045	0.031675	0	0.031675	0.003101568
505	420048.71	3740055	1.30E-02	3.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-02	3.23E-02	0.00E+00	0.00E+00	1.63E-03	3.16E-03	0.00E+00	0.00E+00	420048.7	3740055	0.032317	0	0.032317	0.003164431
506	420048.76	3740064	1.26E-02	3.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-02	3.13E-02	0.00E+00	0.00E+00	1.58E-03	3.07E-03	0.00E+00	0.00E+00	420048.8	3740064	0.031327	0	0.031327	0.003067492
507	420048.81	3740074	1.19E-02	2.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-02	2.98E-02	0.00E+00	0.00E+00	1.50E-03	2.91E-03	0.00E+00	0.00E+00	420048.8	3740074	0.029758	0	0.029758	0.002913858
508	420048.86	3740083	1.12E-02	2.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-02	2.80E-02	0.00E+00	0.00E+00	1.41E-03	2.74E-03	0.00E+00	0.00E+00	420048.9	3740083	0.027957	0	0.027957	0.002737507
509	420048.92	3740092	1.03E-02	2.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02	2.58E-02	0.00E+00	0.00E+00	1.30E-03	2.53E-03	0.00E+00	0.00E+00	420048.9	3740092	0.025793	0	0.025793	0.002525611
510	420048.97	3740102	9.43E-03	2.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-03	2.35E-02	0.00E+00	0.00E+00	1.19E-03	2.30E-03	0.00E+00	0.00E+00	420049	3740102	0.023495	0	0.023495	0.002300595
511	420049.02	3740111	8.56E-03	2.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-03	2.13E-02	0.00E+00	0.00E+00	1.08E-03	2.09E-03	0.00E+00	0.00E+00	420049	3740111	0.02133	0	0.02133	0.002088601
512	420049.07	3740121	7.64E-03	1.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-03	1.90E-02	0.00E+00	0.00E+00	9.61E-04	1.86E-03	0.00E+00	0.00E+00	420049.1	3740121	0.019038	0	0.019038	0.001864172
513	420041.36	3740001	7.52E-03	1.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-03	1.87E-02	0.00E+00	0.00E+00	9.45E-04	1.83E-03	0.00E+00	0.00E+00	420041.4	3740001	0.018738	0	0.018738	0.001834796
514	420054.27	3739984	7.58E-03	1.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-03	1.89E-02	0.00E+00	0.00E+00	9.53E-04	1.85E-03	0.00E+00	0.00E+00	420054.3	3739984	0.018891	0	0.018891	0.001849778
515	420038.5	3740017	8.26E-03	2.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-03	2.06E-02	0.00E+00	0.00E+00	1.04E-03	2.01E-03	0.00E+00	0.00E+00	420038.5	3740017	0.020576	0	0.020576	0.002014771
516	420038.55	3740027	8.85E-03	2.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E

585	419998.55	3740027	3.90E-03	9.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	9.73E-03	0.00E+00	0.00E+00	4.91E-04	9.53E-04	0.00E+00	0.00E+00	419998.6	3740027	0.009729	0	0.009729	0.00095261
586	419998.61	3740036	4.01E-03	1.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-03	1.00E-02	0.00E+00	0.00E+00	5.05E-04	9.79E-04	0.00E+00	0.00E+00	419998.6	3740036	0.01	0	0.01	0.000979165
587	419998.66	3740046	4.10E-03	1.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-03	1.02E-02	0.00E+00	0.00E+00	5.16E-04	1.00E-03	0.00E+00	0.00E+00	419998.7	3740046	0.010226	0	0.010226	0.001001314
588	419998.71	3740055	4.17E-03	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-03	1.04E-02	0.00E+00	0.00E+00	5.24E-04	1.02E-03	0.00E+00	0.00E+00	419998.7	3740055	0.010389	0	0.010389	0.001017275
589	419998.76	3740064	4.20E-03	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-03	1.05E-02	0.00E+00	0.00E+00	5.29E-04	1.03E-03	0.00E+00	0.00E+00	419998.8	3740064	0.010481	0	0.010481	0.001026284
590	419998.81	3740074	4.21E-03	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-03	1.05E-02	0.00E+00	0.00E+00	5.29E-04	1.03E-03	0.00E+00	0.00E+00	419998.8	3740074	0.010493	0	0.010493	0.001027459
591	419998.86	3740083	4.18E-03	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-03	1.04E-02	0.00E+00	0.00E+00	5.26E-04	1.02E-03	0.00E+00	0.00E+00	419998.9	3740083	0.010423	0	0.010423	0.001020604
592	419998.92	3740093	4.12E-03	1.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-03	1.03E-02	0.00E+00	0.00E+00	5.18E-04	1.01E-03	0.00E+00	0.00E+00	419998.9	3740093	0.010268	0	0.010268	0.001005427
593	419998.97	3740102	4.02E-03	1.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-03	1.00E-02	0.00E+00	0.00E+00	5.05E-04	9.81E-04	0.00E+00	0.00E+00	419999	3740102	0.010014	0	0.010014	0.000980556
594	419999.02	3740111	3.86E-03	9.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-03	9.63E-03	0.00E+00	0.00E+00	4.86E-04	9.43E-04	0.00E+00	0.00E+00	419999	3740111	0.009632	0	0.009632	0.00094319
595	419999.07	3740121	3.69E-03	9.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-03	9.19E-03	0.00E+00	0.00E+00	4.64E-04	9.00E-04	0.00E+00	0.00E+00	419999.1	3740121	0.009186	0	0.009186	0.000899518
596	419991.78	3740000	3.23E-03	8.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03	8.06E-03	0.00E+00	0.00E+00	4.07E-04	7.89E-04	0.00E+00	0.00E+00	419991.8	3740000	0.008056	0	0.008056	0.000788861
597	419998.43	3739984	3.32E-03	8.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03	8.28E-03	0.00E+00	0.00E+00	4.18E-04	8.11E-04	0.00E+00	0.00E+00	419998.4	3739984	0.008278	0	0.008278	0.00081053
598	420005.08	3739968	3.34E-03	8.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-03	8.33E-03	0.00E+00	0.00E+00	4.20E-04	8.15E-04	0.00E+00	0.00E+00	420005.1	3739968	0.008326	0	0.008326	0.000815279
599	420019.83	3739948	3.48E-03	8.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-03	8.67E-03	0.00E+00	0.00E+00	4.38E-04	8.49E-04	0.00E+00	0.00E+00	420019.8	3739948	0.008671	0	0.008671	0.000849071
600	420036.04	3739941	3.83E-03	9.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-03	9.54E-03	0.00E+00	0.00E+00	4.82E-04	9.34E-04	0.00E+00	0.00E+00	420036	3739941	0.009542	0	0.009542	0.000934367
601	420052.24	3739934	4.03E-03	1.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-03	1.01E-02	0.00E+00	0.00E+00	5.07E-04	9.84E-04	0.00E+00	0.00E+00	420052.2	3739934	0.010052	0	0.010052	0.000984276
602	419988.5	3740018	3.26E-03	8.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	8.13E-03	0.00E+00	0.00E+00	4.10E-04	7.96E-04	0.00E+00	0.00E+00	419988.5	3740018	0.00813	0	0.00813	0.000796097
603	419988.55	3740027	3.35E-03	8.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-03	8.36E-03	0.00E+00	0.00E+00	4.22E-04	8.18E-04	0.00E+00	0.00E+00	419988.6	3740027	0.008357	0	0.008357	0.000818256
604	419988.61	3740036	3.44E-03	8.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	8.57E-03	0.00E+00	0.00E+00	4.32E-04	8.39E-04	0.00E+00	0.00E+00	419988.6	3740036	0.008565	0	0.008565	0.000838701
605	419988.66	3740046	3.51E-03	8.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03	8.74E-03	0.00E+00	0.00E+00	4.41E-04	8.56E-04	0.00E+00	0.00E+00	419988.7	3740046	0.008744	0	0.008744	0.00085618
606	419988.71	3740055	3.56E-03	8.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03	8.88E-03	0.00E+00	0.00E+00	4.48E-04	8.70E-04	0.00E+00	0.00E+00	419988.7	3740055	0.008883	0	0.008883	0.00086978
607	419988.76	3740065	3.60E-03	8.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	8.97E-03	0.00E+00	0.00E+00	4.53E-04	8.79E-04	0.00E+00	0.00E+00	419988.8	3740065	0.008975	0	0.008975	0.000878809
608	419988.81	3740074	3.61E-03	9.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	9.01E-03	0.00E+00	0.00E+00	4.55E-04	8.82E-04	0.00E+00	0.00E+00	419988.8	3740074	0.009009	0	0.009009	0.000882177
609	419988.86	3740083	3.60E-03	8.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	8.98E-03	0.00E+00	0.00E+00	4.53E-04	8.80E-04	0.00E+00	0.00E+00	419988.9	3740083	0.008982	0	0.008982	0.000879514
610	419988.92	3740093	3.57E-03	8.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-03	8.89E-03	0.00E+00	0.00E+00	4.49E-04	8.71E-04	0.00E+00	0.00E+00	419988.9	3740093	0.00889	0	0.00889	0.000870534
611	419988.97	3740102	3.50E-03	8.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-03	8.72E-03	0.00E+00	0.00E+00	4.40E-04	8.54E-04	0.00E+00	0.00E+00	419989	3740102	0.008723	0	0.008723	0.000854182
612	419989.02	3740112	3.40E-03	8.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	8.47E-03	0.00E+00	0.00E+00	4.27E-04	8.29E-04	0.00E+00	0.00E+00	419989	3740112	0.008466	0	0.008466	0.000828997
613	419989.07	3740121	3.27E-03	8.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03	8.15E-03	0.00E+00	0.00E+00	4.11E-04	7.98E-04	0.00E+00	0.00E+00	419989.1	3740121	0.008153	0	0.008153	0.0007983
614	419981.72	3740000	2.83E-03	7.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03	7.06E-03	0.00E+00	0.00E+00	3.56E-04	6.92E-04	0.00E+00	0.00E+00	419981.7	3740000	0.007065	0	0.007065	0.000691745
615	419988.27	3739984	2.93E-03	7.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-03	7.30E-03	0.00E+00	0.00E+00	3.68E-04	7.15E-04	0.00E+00	0.00E+00	419988.3	3739984	0.007301	0	0.007301	0.000714854
616	419994.82	3739968	2.97E-03	7.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-03	7.40E-03	0.00E+00	0.00E+00	3.74E-04	7.25E-04	0.00E+00	0.00E+00	419994.8	3739968	0.007404	0	0.007404	0.000725028
617	420001.36	3739952	2.96E-03	7.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	7.37E-03	0.00E+00	0.00E+00	3.72E-04	7.22E-04	0.00E+00	0.00E+00	420001.4	3739952	0.007374	0	0.007374	0.000722031
618	420012.61	3739941	3.10E-03	7.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	7.73E-03	0.00E+00	0.00E+00	3.90E-04	7.57E-04	0.00E+00	0.00E+00	420012.6	3739941	0.007727	0	0.007727	0.000756577
619	420028.57	3739934	3.41E-03	8.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03	8.50E-03	0.00E+00	0.00E+00	4.29E-04	8.32E-04	0.00E+00	0.00E+00	420028.6	3739934	0.008496	0	0.008496	0.000831896
620	420044.52	3739928	3.61E-03	9.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	9.00E-03	0.00E+00	0.00E+00	4.54E-04	8.81E-04	0.00E+00	0.00E+00	420044.5	3739928	0.008995	0	0.008995	0.000880806
621	419978.5	3740018	2.85E-03	7.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-03	7.09E-03	0.00E+00	0.00E+00	3.58E-04	6.94E-04	0.00E+00	0.00E+00	419978.5	3740018	0.007093	0	0.007093	0.000694497
622	419978.55	3740027	2.92E-03	7.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03	7.27E-03	0.00E+00	0.00E+00	3.67E-04	7.12E-04	0.00E+00	0.00E+00	419978.6	3740027	0.007269	0	0.007269	0.00071173
623	419978.61	3740036	2.98E-03	7.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03	7.44E-03	0.00E+00	0.00E+00	3.75E-04	7.28E-04	0.00E+00	0.00E+00	419978.6	3740036	0.007435	0	0.007435	0.000728034
624	419978.66	3740046	3.04E-03	7.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03	7.58E-03	0.00E+00	0.00E+00	3.83E-04	7.42E-04	0.00E+00	0.00E+00	419978.7	3740046	0.007581	0	0.007581	0.00074231
625	419978.71	3740055	3.09E-03	7.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-03	7.70E-03	0.00E+00	0.00E+00	3.89E-04	7.54E-04	0.00E+00	0.00E+00	419978.7	3740055	0.0077	0	0.0077	0.000754011
626	419978.76	3740065	3.12E-03	7.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03	7.79E-03	0.00E+00	0.00E+00	3.93E-04	7.62E-04	0.00E+00	0.00E+00	419978.8	3740065	0.007786	0	0.007786	0.000762393
627	419978.81	3740074	3.14E-03	7.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03	7.83E-03	0.00E+00	0.00E+00	3.95E-04	7.67E-04	0.00E+00	0.00E+00	419978.8	3740074	0.007831	0	0.007831	0.000766809
628	419978.86	3740083	3.14E-03	7.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03	7.83E-03	0.00E+00	0.00E+00	3.95E-04	7.67E-04	0.00E+00	0.00E+00	419978.9	3740083	0.007831	0	0.007831	0.000766829
629	419978.92	3740093	3.12E-03	7.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03	7.78E-03	0.00E+00	0.00E+00	3.93E-04	7.62E-04	0.00E+00	0.00E+00	419978.9	3740093	0.00778	0	0.00778	0.000761845
630	419978.97	3740102	3.08E-03	7.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-03	7.67E-03	0.00E+00	0.00E+00	3.87E-04	7.51E-04	0.00E+00	0.00E+00	419979	3740102	0.007673	0	0.007673	0.000751299
631	419979.02	3740112	3.01E-03	7.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03	7.50E-03	0.00E+00	0.00E+00	3.79E-04	7.35E-04	0.00E+00	0.00E+00	419979	3740112	0.007502	0	0.007502	0.000734575
632	419979.07	3740121	2.92E-03	7.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03	7.28E-03	0.00E+00	0.00E+00	3.68E-04	7.13E-04	0.00E+00	0.00E+00	419979.1	3740121	0.007285	0	0.007285	0.000713287
633	419971.68	3740000	2.51E-03	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	6.25E-03	0.00E+00	0.00E+00	3.15E-04	6.12E-04	0.00E+00	0.00E+00	419971.7	3740000	0.00625	0	0.00625	0.00061199
634	419978.15	3739985	2.60E-03	6.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	6.48E-03	0.00E+00	0.00E+00	3.27E-04	6.35E-04	0.00E+00	0.00E+00	419978.2	3739985	0.006483	0	0.006483	0.000634766
635	419984.61	3739969	2.65E-03	6.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03	6.60E-03	0.00E+00	0.00E+00	3.33E-04	6.47E-04	0.00E+00	0.00E+00	419984.6	3739969	0.006604	0	0.006604	0.000646644
636	419991.08	3739953	2.66E-03	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	6.63E-03	0.00E+00	0.00E+00	3.35E-04	6.49E-04	0.00E+00	0.00E+00	419991.1	3739953	0.006631	0	0.006631	0.000649337
637	420005.42	3739934	2.78E-03	6.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	6.93E-03	0.00E+00	0.00E+00	3.50E-04	6.79E-04	0.00E+00	0.00E+00	420005.4	3739934	0.006931	0	0.006931	0.000678634
638	420021.18	3739927	3.05E-03	7.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-03	7.61E-03	0.00E+00	0.00E+00	3.84E-04	7.45E-04	0.00E+00	0.00E+00	420021.2	3739927	0.007606	0	0.007606	0.000744729
639	420036.94	3739921	3.25E-03	8.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-03	8.09E-03	0.00E+00	0.00E+00	4.08E-04	7.92E-04	0.00E+00	0.00E+00	420036.9	3739921	0.008093	0	0.008093	0.000792415
640	420052.69	3739914	3.33E-03	8.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-03	8.29E-03	0.00E+00	0.00E+00	4.18E-04	8.12E-04	0.00E+00	0.00E+00	420052.7	3739914	0.00829	0	0.00829	0.000811725
641	419968.5	3740018	2.51E-03	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	6.25E-03	0.00E+00	0.00E+00	3.16E-04	6.12E-04	0.00E+00	0.00E+00	419968.5	3740018	0.006253	0	0.006253	0.000612274
642	419968.55	3740027	2.57E-03	6.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03	6.40E-03	0.00E+00	0.00E+00	3.23E-04	6.26E-04	0.00E+00	0.00E+00	419968.6	3740027	0.006395	0	0.006395	0.000626228
643	419968.61	3740036	2.62E-03	6.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	6.53E-03	0.00E+00	0.00E+00	3.30E-04	6.39E-04	0.00E+00	0.00E+00	419968.6	3740036	0.006531	0	0.006531	0.000639486
644	419968.66	3740046	2.67E-03	6.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	6.65E-03	0.00E+00	0.00E+00	3.36E-04	6.51E-04	0.00E+00	0.00E+00	419968.7	3740046	0.006653	0	0.006653	0.000651481
645	419968.71	3740055	2.71E-03	6.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03	6.76E-03	0.00E+00	0.00E+00	3.41E-04	6.62E-04	0.00E+00	0.00E+00	419968.7	3740055	0.006757	0	0.006757	0.000661606
646	419968.76	3740065	2.74E-03	6.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03	6.84E-03	0.00E+00	0.00E+00	3.45E-04	6.69E-04	0.00E+00	0.00E+00	419968.8	3740065	0.006836	0	0.006836	0.000669371
647	419968.81	3740074	2.76E-03	6.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03	6.89E-03	0.00E+00	0.00E+00	3.47E-04	6.74E-04	0.00E+00	0.00E+00	419968.8	3740074	0.006887	0	0.006887	0.000674335
648	419968.86	3740083	2.77E-03	6.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03	6.90E-03	0.00E+00	0.00E+00	3.48E-04	6.76E-04	0.00E+00	0.00E+00	419968.9	3740083	0.006902	0	0.006902	0.000675843
649	419968.92	3740093	2.76E-03	6.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03	6.88E-03	0.00E+00	0.00E+00	3.47E-04	6.74E-04	0.00E+00	0.00E+00	419968.9	3740093	0.006879	0	0.006879	0.000673571
650	419968.97	3740102	2.73E-03	6.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03	6.81E-03	0.00E+00	0.00E+00	3.44E-04	6.67E-04	0.00E+00	0.00E+00	419969	3740102	0.006812	0	0.006812	0.000666981
651	419969.02	3740112	2.69E-03	6.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	6.70E-03	0.00E+00	0.00E+00	3.38E-04	6.56E-04	0.00E+00	0.00E+00	419969	3740112	0.006702	0	0.006702	0.00065623
652	419969.07	3740121	2.63E-03	6.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	6.55E-03	0.00E+00	0.00E+00	3.31E-04	6.41E-04	0.00E+00	0.00E+00	419969.1	3740121	0.006551	0	0.006551	0.000641454
653	419951.94	3740000	2.00E-03	4.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	4.99E-03	0.00E+00	0.00E+00	2.52E-04	4.88E-04	0.00E+00	0.00E+00	419951.9	3740000	0.004988	0	0.004988	0.000488398
654	419955.43	3739991	2.04E-03	5.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	5.09E-03	0.00E+00	0.00E+00	2.57E-04	4.99E-04	0.00E+00	0.00E+00	419955.4	3739991	0.005092	0	0.005092	0.000498552
655	419958.93	3739983	2.08E-03	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	5.20E-03	0.00E+00	0.00E+00	2.62E-04	5.09E-04	0.00E+00	0.00E+00	419958.9	3739983	0.005196	0	0.005196	0.000508794
656	419962.42	3739974	2.12E-03	5.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	5.28E-03	0.00E+00	0.00E+00	2.67E-04	5.17E-04	0.00E+00	0.00E+00	419962.4	3739974	0.005282	0	0.005282	0.000517156
657	419965.91	3739966	2.14E-03	5.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	5.34E-03	0.00E+00	0.00E+00	2.70E-04	5.23E-04	0.00E+00	0.00E+00	419965.9	3739966	0.005343	0	0.005343	0.000523139
658	419969.4	3739957	2.16E-03	5.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	5.38E-03	0.00E+00	0.00E+00	2.72E-04	5.27E-04	0.00E+00	0.00E+00	419969.4	3739957	0.005382	0	0.005382	0.000526958
659	419972.89	3739949	2.17E-03	5.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	5.41E-03	0.00E+00	0.00E+00	2.73E-04	5.29E-04	0.00E+00	0.00E+00	419972.9	3739949	0.005407	0	0.005407	0.000529445
660	419976.38	3739940	2.18E-03	5.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	5.44E-03	0.00E+00	0.00E+00	2.74E-04	5.32E-04	0.00E+00	0.00E+00	419976.4	3739940	0.005438	0	0.005438	0.00053249
661	419979.87	3739932	2.18E-03	5.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	5.44E-03	0.00E+00	0.00E+00	2.75E-04	5.33E-04	0.00E+00	0.00E+00	419979.9	3739932	0.005441	0	0.005441	0.000532755
662	419991.87	3739920	2.29E-03	5.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	5.71E-03	0.00E+00	0.00E+00	2.88E-04	5.59E-04	0.00E+00	0.00E+00	419991.9	3739920	0.005713	0	0.005713	0.000559408
663	420000.38	3739916	2.41E-03	6.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	6.00E-03	0.00E+00	0.00E+00	3.03E-04	5.88E-04	0.00E+00	0.00E+00	420000.4

732	419889.07	3740121	1.33E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	3.32E-03	0.00E+00	0.00E+00	1.68E-04	3.25E-04	0.00E+00	0.00E+00	419889.1	3740121	0.00332	0	0.00332	0.00032507
733	419871.88	3740000	1.05E-03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.62E-03	0.00E+00	0.00E+00	1.32E-04	2.57E-04	0.00E+00	0.00E+00	419871.9	3740000	0.002621	0	0.002621	0.000256683
734	419875.3	3739992	1.06E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	2.65E-03	0.00E+00	0.00E+00	1.34E-04	2.59E-04	0.00E+00	0.00E+00	419875.3	3739992	0.00265	0	0.00265	0.000259435
735	419882.14	3739975	1.08E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.70E-03	0.00E+00	0.00E+00	1.36E-04	2.65E-04	0.00E+00	0.00E+00	419882.1	3739975	0.002704	0	0.002704	0.000264781
736	419888.99	3739959	1.11E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.76E-03	0.00E+00	0.00E+00	1.39E-04	2.71E-04	0.00E+00	0.00E+00	419889	3739959	0.002764	0	0.002764	0.000270686
737	419892.41	3739950	1.12E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.80E-03	0.00E+00	0.00E+00	1.41E-04	2.74E-04	0.00E+00	0.00E+00	419892.4	3739950	0.002796	0	0.002796	0.000273731
738	419899.26	3739934	1.14E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.85E-03	0.00E+00	0.00E+00	1.44E-04	2.79E-04	0.00E+00	0.00E+00	419899.3	3739934	0.002851	0	0.002851	0.000279195
739	419906.1	3739917	1.16E-03	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.90E-03	0.00E+00	0.00E+00	1.46E-04	2.84E-04	0.00E+00	0.00E+00	419906.1	3739917	0.0029	0	0.0029	0.000283973
740	419868.5	3740018	1.05E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.63E-03	0.00E+00	0.00E+00	1.33E-04	2.57E-04	0.00E+00	0.00E+00	419868.5	3740018	0.002629	0	0.002629	0.000257408
741	419868.56	3740028	1.07E-03	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.67E-03	0.00E+00	0.00E+00	1.35E-04	2.61E-04	0.00E+00	0.00E+00	419868.6	3740028	0.002666	0	0.002666	0.000261021
742	419868.61	3740037	1.08E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.70E-03	0.00E+00	0.00E+00	1.36E-04	2.65E-04	0.00E+00	0.00E+00	419868.6	3740037	0.002703	0	0.002703	0.000264634
743	419868.66	3740046	1.10E-03	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.74E-03	0.00E+00	0.00E+00	1.38E-04	2.68E-04	0.00E+00	0.00E+00	419868.7	3740046	0.002738	0	0.002738	0.00026813
744	419868.71	3740056	1.11E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.77E-03	0.00E+00	0.00E+00	1.40E-04	2.72E-04	0.00E+00	0.00E+00	419868.7	3740056	0.002773	0	0.002773	0.000271508
745	419868.76	3740065	1.13E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.81E-03	0.00E+00	0.00E+00	1.42E-04	2.75E-04	0.00E+00	0.00E+00	419868.8	3740065	0.002805	0	0.002805	0.0002747
746	419868.81	3740075	1.14E-03	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.83E-03	0.00E+00	0.00E+00	1.43E-04	2.77E-04	0.00E+00	0.00E+00	419868.8	3740075	0.002834	0	0.002834	0.000277491
747	419868.87	3740084	1.15E-03	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.86E-03	0.00E+00	0.00E+00	1.44E-04	2.80E-04	0.00E+00	0.00E+00	419868.9	3740084	0.002857	0	0.002857	0.000279782
748	419868.92	3740093	1.15E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.88E-03	0.00E+00	0.00E+00	1.45E-04	2.82E-04	0.00E+00	0.00E+00	419868.9	3740093	0.002876	0	0.002876	0.000281565
749	419869.07	3740122	1.16E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.89E-03	0.00E+00	0.00E+00	1.46E-04	2.83E-04	0.00E+00	0.00E+00	419869.1	3740122	0.002887	0	0.002887	0.00028273
750	419852.01	3740000	9.23E-04	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04	2.30E-03	0.00E+00	0.00E+00	1.16E-04	2.25E-04	0.00E+00	0.00E+00	419852	3740000	0.0023	0	0.0023	0.000225222
751	419855.57	3739992	9.33E-04	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	2.33E-03	0.00E+00	0.00E+00	1.17E-04	2.28E-04	0.00E+00	0.00E+00	419855.6	3739992	0.002326	0	0.002326	0.000227788
752	419859.12	3739983	9.44E-04	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	2.35E-03	0.00E+00	0.00E+00	1.19E-04	2.30E-04	0.00E+00	0.00E+00	419859.1	3739983	0.002352	0	0.002352	0.000230285
753	419862.68	3739974	9.54E-04	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	2.38E-03	0.00E+00	0.00E+00	1.20E-04	2.33E-04	0.00E+00	0.00E+00	419862.7	3739974	0.002378	0	0.002378	0.00023285
754	419866.23	3739965	9.65E-04	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	2.40E-03	0.00E+00	0.00E+00	1.21E-04	2.35E-04	0.00E+00	0.00E+00	419866.2	3739965	0.002404	0	0.002404	0.000235435
755	419869.79	3739957	9.75E-04	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	2.43E-03	0.00E+00	0.00E+00	1.23E-04	2.38E-04	0.00E+00	0.00E+00	419869.8	3739957	0.002431	0	0.002431	0.00023802
756	419873.34	3739948	9.86E-04	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	2.46E-03	0.00E+00	0.00E+00	1.24E-04	2.41E-04	0.00E+00	0.00E+00	419873.3	3739948	0.002457	0	0.002457	0.000240556
757	419876.9	3739939	9.96E-04	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-04	2.48E-03	0.00E+00	0.00E+00	1.25E-04	2.43E-04	0.00E+00	0.00E+00	419876.9	3739939	0.002482	0	0.002482	0.000243034
758	419880.46	3739931	1.01E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.51E-03	0.00E+00	0.00E+00	1.27E-04	2.45E-04	0.00E+00	0.00E+00	419880.5	3739931	0.002507	0	0.002507	0.000245491
759	419884.01	3739922	1.02E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.53E-03	0.00E+00	0.00E+00	1.28E-04	2.48E-04	0.00E+00	0.00E+00	419884	3739922	0.002531	0	0.002531	0.000247783
760	419887.57	3739913	1.02E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.55E-03	0.00E+00	0.00E+00	1.29E-04	2.50E-04	0.00E+00	0.00E+00	419887.6	3739913	0.002553	0	0.002553	0.000249976
761	419848.45	3740009	9.12E-04	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	2.27E-03	0.00E+00	0.00E+00	1.15E-04	2.23E-04	0.00E+00	0.00E+00	419848.5	3740009	0.002274	0	0.002274	0.000222627
762	419848.5	3740018	9.23E-04	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-04	2.30E-03	0.00E+00	0.00E+00	1.16E-04	2.25E-04	0.00E+00	0.00E+00	419848.5	3740018	0.002301	0	0.002301	0.00022533
763	419848.56	3740028	9.35E-04	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	2.33E-03	0.00E+00	0.00E+00	1.18E-04	2.28E-04	0.00E+00	0.00E+00	419848.6	3740028	0.002329	0	0.002329	0.000228082
764	419848.61	3740037	9.46E-04	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04	2.36E-03	0.00E+00	0.00E+00	1.19E-04	2.31E-04	0.00E+00	0.00E+00	419848.6	3740037	0.002357	0	0.002357	0.000230833
765	419848.66	3740047	9.58E-04	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	2.39E-03	0.00E+00	0.00E+00	1.20E-04	2.34E-04	0.00E+00	0.00E+00	419848.7	3740047	0.002388	0	0.002388	0.00023378
766	419848.71	3740056	9.70E-04	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.70E-04	2.42E-03	0.00E+00	0.00E+00	1.22E-04	2.37E-04	0.00E+00	0.00E+00	419848.7	3740056	0.002418	0	0.002418	0.000236718
767	419848.76	3740065	9.81E-04	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	2.45E-03	0.00E+00	0.00E+00	1.23E-04	2.40E-04	0.00E+00	0.00E+00	419848.8	3740065	0.002446	0	0.002446	0.000239528
768	419848.81	3740075	9.92E-04	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	2.47E-03	0.00E+00	0.00E+00	1.25E-04	2.42E-04	0.00E+00	0.00E+00	419848.8	3740075	0.002472	0	0.002472	0.000242035
769	419848.87	3740084	1.00E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	2.49E-03	0.00E+00	0.00E+00	1.26E-04	2.44E-04	0.00E+00	0.00E+00	419848.9	3740084	0.002494	0	0.002494	0.000244209
770	419848.92	3740093	1.01E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.51E-03	0.00E+00	0.00E+00	1.27E-04	2.46E-04	0.00E+00	0.00E+00	419848.9	3740093	0.002513	0	0.002513	0.000246059
771	419849.07	3740122	1.02E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.54E-03	0.00E+00	0.00E+00	1.28E-04	2.48E-04	0.00E+00	0.00E+00	419849.1	3740122	0.002537	0	0.002537	0.000248449
772	419831.94	3740001	8.16E-04	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	2.03E-03	0.00E+00	0.00E+00	1.03E-04	1.99E-04	0.00E+00	0.00E+00	419831.9	3740001	0.002033	0	0.002033	0.000199107
773	419835.44	3739992	8.24E-04	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	2.05E-03	0.00E+00	0.00E+00	1.04E-04	2.01E-04	0.00E+00	0.00E+00	419835.4	3739992	0.002055	0	0.002055	0.000201174
774	419838.93	3739983	8.33E-04	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	2.08E-03	0.00E+00	0.00E+00	1.05E-04	2.03E-04	0.00E+00	0.00E+00	419838.9	3739983	0.002076	0	0.002076	0.000203318
775	419842.42	3739975	8.42E-04	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	2.10E-03	0.00E+00	0.00E+00	1.06E-04	2.06E-04	0.00E+00	0.00E+00	419842.4	3739975	0.0021	0	0.0021	0.000205609
776	419845.91	3739966	8.52E-04	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	2.12E-03	0.00E+00	0.00E+00	1.07E-04	2.08E-04	0.00E+00	0.00E+00	419845.9	3739966	0.002124	0	0.002124	0.00020794
777	419849.4	3739958	8.61E-04	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	2.15E-03	0.00E+00	0.00E+00	1.08E-04	2.10E-04	0.00E+00	0.00E+00	419849.4	3739958	0.002147	0	0.002147	0.000210211
778	419852.89	3739949	8.70E-04	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	2.17E-03	0.00E+00	0.00E+00	1.09E-04	2.12E-04	0.00E+00	0.00E+00	419852.9	3739949	0.002169	0	0.002169	0.000212356
779	419856.38	3739941	8.78E-04	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04	2.19E-03	0.00E+00	0.00E+00	1.10E-04	2.14E-04	0.00E+00	0.00E+00	419856.4	3739941	0.002188	0	0.002188	0.000214275
780	419859.87	3739932	8.86E-04	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	2.21E-03	0.00E+00	0.00E+00	1.11E-04	2.16E-04	0.00E+00	0.00E+00	419859.9	3739932	0.002208	0	0.002208	0.000216184
781	419863.37	3739924	8.94E-04	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	2.23E-03	0.00E+00	0.00E+00	1.12E-04	2.18E-04	0.00E+00	0.00E+00	419863.4	3739924	0.002228	0	0.002228	0.000218113
782	419866.86	3739915	9.01E-04	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04	2.25E-03	0.00E+00	0.00E+00	1.13E-04	2.20E-04	0.00E+00	0.00E+00	419866.9	3739915	0.002247	0	0.002247	0.000220013
783	419870.35	3739907	9.09E-04	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04	2.27E-03	0.00E+00	0.00E+00	1.14E-04	2.22E-04	0.00E+00	0.00E+00	419870.4	3739907	0.002266	0	0.002266	0.000221883
784	419828.45	3740009	8.08E-04	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	2.01E-03	0.00E+00	0.00E+00	1.02E-04	1.97E-04	0.00E+00	0.00E+00	419828.5	3740009	0.002013	0	0.002013	0.00019712
785	419828.51	3740018	8.17E-04	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	2.04E-03	0.00E+00	0.00E+00	1.03E-04	1.99E-04	0.00E+00	0.00E+00	419828.5	3740018	0.002036	0	0.002036	0.000199362
786	419828.56	3740028	8.26E-04	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	2.06E-03	0.00E+00	0.00E+00	1.04E-04	2.02E-04	0.00E+00	0.00E+00	419828.6	3740028	0.002059	0	0.002059	0.000201604
787	419828.61	3740037	8.35E-04	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	2.08E-03	0.00E+00	0.00E+00	1.05E-04	2.04E-04	0.00E+00	0.00E+00	419828.6	3740037	0.002082	0	0.002082	0.000203866
788	419828.66	3740047	8.45E-04	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	2.11E-03	0.00E+00	0.00E+00	1.06E-04	2.06E-04	0.00E+00	0.00E+00	419828.7	3740047	0.002107	0	0.002107	0.000206295
789	419828.71	3740056	8.55E-04	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	2.13E-03	0.00E+00	0.00E+00	1.08E-04	2.09E-04	0.00E+00	0.00E+00	419828.7	3740056	0.002132	0	0.002132	0.000208733
790	419828.76	3740065	8.65E-04	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	2.16E-03	0.00E+00	0.00E+00	1.09E-04	2.11E-04	0.00E+00	0.00E+00	419828.8	3740065	0.002156	0	0.002156	0.000211083
791	419828.82	3740075	8.74E-04	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	2.18E-03	0.00E+00	0.00E+00	1.10E-04	2.13E-04	0.00E+00	0.00E+00	419828.8	3740075	0.002178	0	0.002178	0.000213227
792	419828.87	3740084	8.81E-04	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-04	2.20E-03	0.00E+00	0.00E+00	1.11E-04	2.15E-04	0.00E+00	0.00E+00	419828.9	3740084	0.002197	0	0.002197	0.000215117
793	419828.92	3740094	8.88E-04	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-04	2.21E-03	0.00E+00	0.00E+00	1.12E-04	2.17E-04	0.00E+00	0.00E+00	419828.9	3740094	0.002214	0	0.002214	0.000216801
794	419829.07	3740122	9.01E-04	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04	2.25E-03	0.00E+00	0.00E+00	1.13E-04	2.20E-04	0.00E+00	0.00E+00	419829.1	3740122	0.002245	0	0.002245	0.000219866
795	419811.89	3740001	7.27E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.81E-03	0.00E+00	0.00E+00	9.15E-05	1.78E-04	0.00E+00	0.00E+00	419811.9	3740001	0.001813	0	0.001813	0.000177516
796	419815.33	3739992	7.34E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	1.83E-03	0.00E+00	0.00E+00	9.23E-05	1.79E-04	0.00E+00	0.00E+00	419815.3	3739992	0.001829	0	0.001829	0.000179073
797	419822.21	3739976	7.48E-04	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.86E-03	0.00E+00	0.00E+00	9.41E-05	1.83E-04	0.00E+00	0.00E+00	419822.2	3739976	0.001865	0	0.001865	0.000182589
798	419829.08	3739959	7.65E-04	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.91E-03	0.00E+00	0.00E+00	9.62E-05	1.87E-04	0.00E+00	0.00E+00	419829.1	3739959	0.001907	0	0.001907	0.000186682
799	419832.52	3739950	7.73E-04	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	1.93E-03	0.00E+00	0.00E+00	9.72E-05	1.89E-04	0.00E+00	0.00E+00	419832.5	3739950	0.001927	0	0.001927	0.00018865
800	419839.4	3739934	7.86E-04	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	1.96E-03	0.00E+00	0.00E+00	9.89E-05	1.92E-04	0.00E+00	0.00E+00	419839.4	3739934	0.00196	0	0.00196	0.00019195
801	419846.28	3739917	7.99E-04	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-04	1.99E-03	0.00E+00	0.00E+00	1.01E-04	1.95E-04	0.00E+00	0.00E+00	419846.3	3739917	0.001992	0	0.001992	0.000195054
802	419849.71	3739908	8.05E-04	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	2.01E-03	0.00E+00	0.00E+00	1.01E-04	1.97E-04	0.00E+00	0.00E+00	419849.7	3739908	0.002007	0	0.002007	0.000196513
803	419808.45	3740009	7.21E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.80E-03	0.00E+00	0.00E+00	9.07E-05	1.76E-04	0.00E+00	0.00E+00	419808.5	3740009	0.001797	0	0.001797	0.000175999
804	419808.51	3740019	7.29E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	1.82E-03	0.00E+00	0.00E+00	9.17E-05	1.78E-04	0.00E+00	0.00E+00	419808.5	3740019	0.001817	0	0.001817	0.000177937
805	419808.56	3740028	7.37E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.84E-03	0.00E+00	0.00E+00	9.27E-05	1.80E-04	0.00E+00	0.00E+00	419808.6	3740028	0.001837	0	0.001837	0.000179866
806	419808.61	3740037	7.45E-04	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04	1.86E-03	0.00E+00	0.00E+00	9.37E-05	1.82E-04	0.00E+00	0.00E+00	419808.6	3740037	0.001857	0	0.001857	0.000181815
807	419808.66	3740047	7.53E-04	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	1.88E-03	0.00E+00	0.00E+00	9.47E-05	1.84E-04	0.00E+00	0.00E+00	419808.7	3740047	0.001877	0	0.001877	0.000183832
808	419808.71	3740056	7.62E-04	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	1.90E-03	0.00E+00	0.00E+00	9.58E-05	1.86E-04	0.00E+00	0.00E+00	419808.7	3740056	0.001898	0	0.001898	0.000185849
809	419808.76	3740066	7.69E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.92E-03	0.00E+00	0.00E+00	9.68E-05	1.88E-04	0.00E+00	0.00E+00	419808.8	3740066	0.001917	0	0.001917	0.000187749
810	419808.82	3740075	7.77E-04	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	1.94E-03	0.00E+00	0.00E+00	9.77E-05	1.90E-04	0.00E+00

879	419708.46	3740010	4.50E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	1.12E-03	0.00E+00	0.00E+00	5.66E-05	1.10E-04	0.00E+00	0.00E+00	419708.5	3740010	0.001122	0	0.001122	0.000109835
880	419708.51	3740019	4.53E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	1.13E-03	0.00E+00	0.00E+00	5.70E-05	1.11E-04	0.00E+00	0.00E+00	419708.5	3740019	0.00113	0	0.00113	0.000110667
881	419708.56	3740028	4.57E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	1.14E-03	0.00E+00	0.00E+00	5.75E-05	1.11E-04	0.00E+00	0.00E+00	419708.6	3740028	0.001139	0	0.001139	0.00011149
882	419708.61	3740038	4.60E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	1.15E-03	0.00E+00	0.00E+00	5.79E-05	1.12E-04	0.00E+00	0.00E+00	419708.6	3740038	0.001147	0	0.001147	0.000112322
883	419708.66	3740047	4.64E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	1.16E-03	0.00E+00	0.00E+00	5.83E-05	1.13E-04	0.00E+00	0.00E+00	419708.7	3740047	0.001156	0	0.001156	0.000113223
884	419708.71	3740057	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.88E-05	1.14E-04	0.00E+00	0.00E+00	419708.7	3740057	0.001166	0	0.001166	0.000114153
885	419708.77	3740066	4.71E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	1.18E-03	0.00E+00	0.00E+00	5.93E-05	1.15E-04	0.00E+00	0.00E+00	419708.8	3740066	0.001175	0	0.001175	0.000115054
886	419708.82	3740075	4.75E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	1.18E-03	0.00E+00	0.00E+00	5.97E-05	1.16E-04	0.00E+00	0.00E+00	419708.8	3740075	0.001183	0	0.001183	0.000115838
887	419708.87	3740085	4.77E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	1.19E-03	0.00E+00	0.00E+00	6.00E-05	1.16E-04	0.00E+00	0.00E+00	419708.9	3740085	0.00119	0	0.00119	0.000116494
888	419708.92	3740094	4.80E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	1.20E-03	0.00E+00	0.00E+00	6.03E-05	1.17E-04	0.00E+00	0.00E+00	419708.9	3740094	0.001195	0	0.001195	0.000117042
889	419708.97	3740104	4.82E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	1.20E-03	0.00E+00	0.00E+00	6.06E-05	1.18E-04	0.00E+00	0.00E+00	419709	3740104	0.001201	0	0.001201	0.00011759
890	419709.02	3740113	4.84E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	1.21E-03	0.00E+00	0.00E+00	6.09E-05	1.18E-04	0.00E+00	0.00E+00	419709	3740113	0.001207	0	0.001207	0.000118207
891	419709.08	3740122	4.87E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	1.21E-03	0.00E+00	0.00E+00	6.12E-05	1.19E-04	0.00E+00	0.00E+00	419709.1	3740122	0.001213	0	0.001213	0.000118765
892	419682	3740001	4.01E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	1.00E-03	0.00E+00	0.00E+00	5.05E-05	9.79E-05	0.00E+00	0.00E+00	419682	3740001	0.001	0	0.001	9.79116E-05
893	419685.55	3739993	4.03E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	1.01E-03	0.00E+00	0.00E+00	5.07E-05	9.84E-05	0.00E+00	0.00E+00	419685.6	3739993	0.001005	0	0.001005	9.84472E-05
894	419689.09	3739984	4.05E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	1.01E-03	0.00E+00	0.00E+00	5.10E-05	9.89E-05	0.00E+00	0.00E+00	419689.1	3739984	0.00101	0	0.00101	9.89368E-05
895	419692.64	3739975	4.08E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	1.02E-03	0.00E+00	0.00E+00	5.13E-05	9.96E-05	0.00E+00	0.00E+00	419692.6	3739975	0.001017	0	0.001017	9.95831E-05
896	419696.18	3739967	4.11E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	1.03E-03	0.00E+00	0.00E+00	5.17E-05	1.00E-04	0.00E+00	0.00E+00	419696.2	3739967	0.001025	0	0.001025	0.000100366
897	419699.73	3739958	4.15E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	1.03E-03	0.00E+00	0.00E+00	5.21E-05	1.01E-04	0.00E+00	0.00E+00	419699.7	3739958	0.001033	0	0.001033	0.000101169
898	419703.28	3739949	4.18E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	1.04E-03	0.00E+00	0.00E+00	5.25E-05	1.02E-04	0.00E+00	0.00E+00	419703.3	3739949	0.001041	0	0.001041	0.000101923
899	419706.82	3739941	4.21E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	1.05E-03	0.00E+00	0.00E+00	5.29E-05	1.03E-04	0.00E+00	0.00E+00	419706.8	3739941	0.001048	0	0.001048	0.000102648
900	419710.37	3739932	4.23E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	1.06E-03	0.00E+00	0.00E+00	5.33E-05	1.03E-04	0.00E+00	0.00E+00	419710.4	3739932	0.001056	0	0.001056	0.000103353
901	419713.91	3739923	4.26E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	1.06E-03	0.00E+00	0.00E+00	5.36E-05	1.04E-04	0.00E+00	0.00E+00	419713.9	3739923	0.001062	0	0.001062	0.000104019
902	419717.46	3739915	4.29E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	1.07E-03	0.00E+00	0.00E+00	5.40E-05	1.05E-04	0.00E+00	0.00E+00	419717.5	3739915	0.00107	0	0.00107	0.000104792
903	419721.01	3739906	4.33E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	1.08E-03	0.00E+00	0.00E+00	5.44E-05	1.06E-04	0.00E+00	0.00E+00	419721	3739906	0.001079	0	0.001079	0.000105634
904	419724.55	3739897	4.36E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	1.09E-03	0.00E+00	0.00E+00	5.49E-05	1.06E-04	0.00E+00	0.00E+00	419724.6	3739897	0.001087	0	0.001087	0.000106447
905	419728.1	3739889	4.39E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	1.09E-03	0.00E+00	0.00E+00	5.52E-05	1.07E-04	0.00E+00	0.00E+00	419728.1	3739889	0.001095	0	0.001095	0.000107211
906	419731.64	3739880	4.42E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	1.10E-03	0.00E+00	0.00E+00	5.56E-05	1.08E-04	0.00E+00	0.00E+00	419731.6	3739880	0.001103	0	0.001103	0.000107975
907	419735.19	3739871	4.46E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	1.11E-03	0.00E+00	0.00E+00	5.61E-05	1.09E-04	0.00E+00	0.00E+00	419735.2	3739871	0.001111	0	0.001111	0.000108787
908	419738.73	3739863	4.49E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	1.12E-03	0.00E+00	0.00E+00	5.65E-05	1.10E-04	0.00E+00	0.00E+00	419738.7	3739863	0.00112	0	0.00112	0.000109639
909	419742.28	3739854	4.53E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	1.13E-03	0.00E+00	0.00E+00	5.70E-05	1.11E-04	0.00E+00	0.00E+00	419742.3	3739854	0.001129	0	0.001129	0.000110521
910	419745.83	3739845	4.56E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	1.14E-03	0.00E+00	0.00E+00	5.74E-05	1.11E-04	0.00E+00	0.00E+00	419745.8	3739845	0.001137	0	0.001137	0.000111372
911	419749.37	3739837	4.60E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	1.15E-03	0.00E+00	0.00E+00	5.78E-05	1.12E-04	0.00E+00	0.00E+00	419749.4	3739837	0.001146	0	0.001146	0.000112195
912	419752.92	3739828	4.63E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	1.15E-03	0.00E+00	0.00E+00	5.82E-05	1.13E-04	0.00E+00	0.00E+00	419752.9	3739828	0.001153	0	0.001153	0.000112939
913	419756.46	3739819	4.65E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	1.16E-03	0.00E+00	0.00E+00	5.85E-05	1.14E-04	0.00E+00	0.00E+00	419756.5	3739819	0.00116	0	0.00116	0.000113566
914	419760.01	3739811	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.88E-05	1.14E-04	0.00E+00	0.00E+00	419760	3739811	0.001166	0	0.001166	0.000114163
915	419763.55	3739802	4.70E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	1.17E-03	0.00E+00	0.00E+00	5.91E-05	1.15E-04	0.00E+00	0.00E+00	419763.6	3739802	0.001171	0	0.001171	0.000114653
916	419678.46	3740010	3.99E-04	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	9.94E-04	0.00E+00	0.00E+00	5.02E-05	9.73E-05	0.00E+00	0.00E+00	419678.5	3740010	0.000994	0	0.000994	9.73437E-05
917	419678.51	3740019	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.06E-05	9.81E-05	0.00E+00	0.00E+00	419678.5	3740019	0.001002	0	0.001002	9.81143E-05
918	419678.56	3740029	4.05E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	1.01E-03	0.00E+00	0.00E+00	5.09E-05	9.88E-05	0.00E+00	0.00E+00	419678.6	3740029	0.001009	0	0.001009	9.88389E-05
919	419678.61	3740038	4.08E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	1.02E-03	0.00E+00	0.00E+00	5.13E-05	9.95E-05	0.00E+00	0.00E+00	419678.6	3740038	0.001016	0	0.001016	9.95243E-05
920	419678.66	3740047	4.11E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	1.02E-03	0.00E+00	0.00E+00	5.17E-05	1.00E-04	0.00E+00	0.00E+00	419678.7	3740047	0.001024	0	0.001024	0.000100249
921	419678.71	3740057	4.14E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	1.03E-03	0.00E+00	0.00E+00	5.20E-05	1.01E-04	0.00E+00	0.00E+00	419678.7	3740057	0.001032	0	0.001032	0.000101003
922	419678.77	3740066	4.17E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.04E-03	0.00E+00	0.00E+00	5.24E-05	1.02E-04	0.00E+00	0.00E+00	419678.8	3740066	0.001039	0	0.001039	0.000101737
923	419678.82	3740076	4.20E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	1.05E-03	0.00E+00	0.00E+00	5.28E-05	1.02E-04	0.00E+00	0.00E+00	419678.8	3740076	0.001046	0	0.001046	0.000102403
924	419678.87	3740085	4.22E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	1.05E-03	0.00E+00	0.00E+00	5.31E-05	1.03E-04	0.00E+00	0.00E+00	419678.9	3740085	0.001052	0	0.001052	0.000103
925	419678.92	3740094	4.24E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.06E-03	0.00E+00	0.00E+00	5.34E-05	1.04E-04	0.00E+00	0.00E+00	419678.9	3740094	0.001057	0	0.001057	0.000103539
926	419678.97	3740104	4.26E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	1.06E-03	0.00E+00	0.00E+00	5.36E-05	1.04E-04	0.00E+00	0.00E+00	419679	3740104	0.001063	0	0.001063	0.000104058
927	419679.02	3740113	4.29E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	1.07E-03	0.00E+00	0.00E+00	5.39E-05	1.05E-04	0.00E+00	0.00E+00	419679	3740113	0.001069	0	0.001069	0.000104626
928	419679.08	3740123	4.31E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	1.07E-03	0.00E+00	0.00E+00	5.42E-05	1.05E-04	0.00E+00	0.00E+00	419679.1	3740123	0.001074	0	0.001074	0.000105145
929	419651.95	3740001	3.58E-04	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.91E-04	0.00E+00	0.00E+00	4.50E-05	8.73E-05	0.00E+00	0.00E+00	419652	3740001	0.000891	0	0.000891	8.72679E-05
930	419655.44	3739993	3.60E-04	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.96E-04	0.00E+00	0.00E+00	4.52E-05	8.78E-05	0.00E+00	0.00E+00	419655.4	3739993	0.000896	0	0.000896	8.77585E-05
931	419658.93	3739984	3.61E-04	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	9.01E-04	0.00E+00	0.00E+00	4.55E-05	8.82E-05	0.00E+00	0.00E+00	419658.9	3739984	0.000901	0	0.000901	8.81981E-05
932	419662.42	3739976	3.63E-04	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	9.06E-04	0.00E+00	0.00E+00	4.57E-05	8.87E-05	0.00E+00	0.00E+00	419662.4	3739976	0.000906	0	0.000906	8.87102E-05
933	419665.91	3739967	3.66E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.12E-04	0.00E+00	0.00E+00	4.60E-05	8.93E-05	0.00E+00	0.00E+00	419665.9	3739967	0.000912	0	0.000912	8.93379E-05
934	419669.4	3739959	3.69E-04	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	9.19E-04	0.00E+00	0.00E+00	4.63E-05	8.99E-05	0.00E+00	0.00E+00	419669.4	3739959	0.000919	0	0.000919	8.99401E-05
935	419672.9	3739950	3.71E-04	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	9.25E-04	0.00E+00	0.00E+00	4.67E-05	9.06E-05	0.00E+00	0.00E+00	419672.9	3739950	0.000925	0	0.000925	9.05981E-05
936	419676.39	3739942	3.75E-04	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	9.33E-04	0.00E+00	0.00E+00	4.71E-05	9.14E-05	0.00E+00	0.00E+00	419676.4	3739942	0.000933	0	0.000933	9.14059E-05
937	419679.88	3739933	3.78E-04	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.41E-04	0.00E+00	0.00E+00	4.75E-05	9.22E-05	0.00E+00	0.00E+00	419679.9	3739933	0.000941	0	0.000941	9.21667E-05
938	419683.37	3739925	3.81E-04	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	9.49E-04	0.00E+00	0.00E+00	4.79E-05	9.29E-05	0.00E+00	0.00E+00	419683.4	3739925	0.000949	0	0.000949	9.28776E-05
939	419686.86	3739916	3.83E-04	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.56E-04	0.00E+00	0.00E+00	4.82E-05	9.36E-05	0.00E+00	0.00E+00	419686.9	3739916	0.000956	0	0.000956	9.35709E-05
940	419690.35	3739908	3.86E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	9.63E-04	0.00E+00	0.00E+00	4.86E-05	9.43E-05	0.00E+00	0.00E+00	419690.4	3739908	0.000963	0	0.000963	9.42847E-05
941	419693.84	3739899	3.89E-04	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	9.70E-04	0.00E+00	0.00E+00	4.90E-05	9.50E-05	0.00E+00	0.00E+00	419693.8	3739899	0.00097	0	0.00097	9.50034E-05
942	419697.33	3739891	3.92E-04	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	9.78E-04	0.00E+00	0.00E+00	4.93E-05	9.57E-05	0.00E+00	0.00E+00	419697.3	3739891	0.000978	0	0.000978	9.57182E-05
943	419700.82	3739882	3.95E-04	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	9.84E-04	0.00E+00	0.00E+00	4.96E-05	9.63E-05	0.00E+00	0.00E+00	419700.8	3739882	0.000984	0	0.000984	9.63253E-05
944	419704.32	3739874	3.97E-04	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	9.90E-04	0.00E+00	0.00E+00	4.99E-05	9.69E-05	0.00E+00	0.00E+00	419704.3	3739874	0.00099	0	0.00099	9.6904E-05
945	419707.81	3739865	3.99E-04	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	9.96E-04	0.00E+00	0.00E+00	5.02E-05	9.75E-05	0.00E+00	0.00E+00	419707.8	3739865	0.000996	0	0.000996	9.74876E-05
946	419711.3	3739857	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.06E-05	9.81E-05	0.00E+00	0.00E+00	419711.3	3739857	0.001002	0	0.001002	9.81045E-05
947	419714.79	3739848	4.05E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	1.01E-03	0.00E+00	0.00E+00	5.09E-05	9.88E-05	0.00E+00	0.00E+00	419714.8	3739848	0.001009	0	0.001009	9.87606E-05
948	419718.28	3739839	4.07E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	1.02E-03	0.00E+00	0.00E+00	5.12E-05	9.94E-05	0.00E+00	0.00E+00	419718.3	3739839	0.001015	0	0.001015	9.94068E-05
949	419721.77	3739831	4.10E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	1.02E-03	0.00E+00	0.00E+00	5.16E-05	1.00E-04	0.00E+00	0.00E+00	419721.8	3739831	0.001022	0	0.001022	0.000100063
950	419725.26	3739822	4.12E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	1.03E-03	0.00E+00	0.00E+00	5.19E-05	1.01E-04	0.00E+00	0.00E+00	419725.3	3739822	0.001028	0	0.001028	0.000100621
951	419728.75	3739814	4.14E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	1.03E-03	0.00E+00	0.00E+00	5.21E-05	1.01E-04	0.00E+00	0.00E+00	419728.8	3739814	0.001033	0	0.001033	0.00010115
952	419732.25	3739805	4.17E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.04E-03	0.00E+00	0.00E+00	5.24E-05	1.02E-04	0.00E+00	0.00E+00	419732.3	3739805	0.001038	0	0.001038	0.000101669
953	419735.74	3739797	4.18E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	1.04E-03	0.00E+00	0.00E+00	5.26E-05	1.02E-04	0.00E+00	0.00E+00	419735.7	3739797	0.001043	0	0.001043	0.000102129
954	419648.46	3740010	3.55E-04	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	8.86E-04	0.00E+00	0.00E+00	4.47E-05	8.67E-05	0.00E+00	0.00E+00	419648.5	3740010	0.000886	0	0.000886	8.67411E-05
955	419648.51	3740019	3.58E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.93E-04	0.00E+00	0.00E+00	4.51E-05	8.74E-05	0.00E+00	0.00E+00	419648.5	3740019	0.000893	0	0.000893	8.74481E-05
956	419648.56	3740029	3.61E-04	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	9.00E-04	0.00E+00	0.00E+00	4.54E-05	8.81E-05	0.00E+00	0.00E+00	419648.6	3740029	0.0009	0	0.0009	8.81423E-05
957	419648.61	3740038	3.64E-04	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	9.07E-04

1026	419665.26	3739823	3.32E-04	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	8.27E-04	0.00E+00	0.00E+00	4.17E-05	8.09E-05	0.00E+00	0.00E+00	419665.3	3739823	0.000827	0	0.000827	8.09453E-05
1027	419668.76	3739814	3.34E-04	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	8.32E-04	0.00E+00	0.00E+00	4.20E-05	8.14E-05	0.00E+00	0.00E+00	419668.8	3739814	0.000832	0	0.000832	8.14212E-05
1028	419672.25	3739806	3.35E-04	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	8.36E-04	0.00E+00	0.00E+00	4.22E-05	8.19E-05	0.00E+00	0.00E+00	419672.3	3739806	0.000836	0	0.000836	8.18775E-05
1029	419675.74	3739797	3.37E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	8.41E-04	0.00E+00	0.00E+00	4.24E-05	8.23E-05	0.00E+00	0.00E+00	419675.7	3739797	0.000841	0	0.000841	8.23122E-05
1030	419679.23	3739789	3.39E-04	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	8.45E-04	0.00E+00	0.00E+00	4.26E-05	8.27E-05	0.00E+00	0.00E+00	419679.2	3739789	0.000845	0	0.000845	8.27225E-05
1031	419588.46	3740010	2.89E-04	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.21E-04	0.00E+00	0.00E+00	3.64E-05	7.06E-05	0.00E+00	0.00E+00	419588.5	3740010	0.000721	0	0.000721	7.06335E-05
1032	419588.51	3740020	2.91E-04	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.26E-04	0.00E+00	0.00E+00	3.67E-05	7.11E-05	0.00E+00	0.00E+00	419588.5	3740020	0.000726	0	0.000726	7.11299E-05
1033	419588.56	3740029	2.93E-04	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.31E-04	0.00E+00	0.00E+00	3.69E-05	7.16E-05	0.00E+00	0.00E+00	419588.6	3740029	0.000731	0	0.000731	7.16254E-05
1034	419588.61	3740039	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.21E-05	0.00E+00	0.00E+00	419588.6	3740039	0.000737	0	0.000737	7.21219E-05
1035	419588.66	3740048	2.97E-04	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.41E-04	0.00E+00	0.00E+00	3.74E-05	7.26E-05	0.00E+00	0.00E+00	419588.7	3740048	0.000741	0	0.000741	7.25674E-05
1036	419588.72	3740057	2.99E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.46E-04	0.00E+00	0.00E+00	3.76E-05	7.30E-05	0.00E+00	0.00E+00	419588.7	3740057	0.000746	0	0.000746	7.30139E-05
1037	419588.77	3740067	3.01E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.50E-04	0.00E+00	0.00E+00	3.79E-05	7.35E-05	0.00E+00	0.00E+00	419588.8	3740067	0.00075	0	0.00075	7.34673E-05
1038	419588.82	3740076	3.03E-04	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	7.55E-04	0.00E+00	0.00E+00	3.81E-05	7.39E-05	0.00E+00	0.00E+00	419588.8	3740076	0.000755	0	0.000755	7.38863E-05
1039	419588.87	3740086	3.04E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.59E-04	0.00E+00	0.00E+00	3.83E-05	7.43E-05	0.00E+00	0.00E+00	419588.9	3740086	0.000759	0	0.000759	7.42839E-05
1040	419588.92	3740095	3.06E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.63E-04	0.00E+00	0.00E+00	3.85E-05	7.47E-05	0.00E+00	0.00E+00	419588.9	3740095	0.000763	0	0.000763	7.46805E-05
1041	419588.97	3740104	3.08E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	7.67E-04	0.00E+00	0.00E+00	3.87E-05	7.51E-05	0.00E+00	0.00E+00	419589	3740104	0.000767	0	0.000767	7.51015E-05
1042	419589.03	3740114	3.10E-04	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	7.72E-04	0.00E+00	0.00E+00	3.89E-05	7.56E-05	0.00E+00	0.00E+00	419589	3740114	0.000772	0	0.000772	7.55539E-05
1043	419589.08	3740123	3.11E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	7.76E-04	0.00E+00	0.00E+00	3.92E-05	7.60E-05	0.00E+00	0.00E+00	419589.1	3740123	0.000776	0	0.000776	7.59975E-05
1044	419561.99	3740002	2.67E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.65E-04	0.00E+00	0.00E+00	3.35E-05	6.51E-05	0.00E+00	0.00E+00	419562	3740002	0.000665	0	0.000665	6.50933E-05
1045	419565.52	3739993	2.68E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.68E-04	0.00E+00	0.00E+00	3.37E-05	6.54E-05	0.00E+00	0.00E+00	419565.5	3739993	0.000668	0	0.000668	6.54095E-05
1046	419569.06	3739985	2.69E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.71E-04	0.00E+00	0.00E+00	3.39E-05	6.57E-05	0.00E+00	0.00E+00	419569.1	3739985	0.000671	0	0.000671	6.5716E-05
1047	419572.59	3739976	2.71E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.60E-05	0.00E+00	0.00E+00	419572.6	3739976	0.000674	0	0.000674	6.60235E-05
1048	419576.12	3739967	2.72E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.78E-04	0.00E+00	0.00E+00	3.42E-05	6.64E-05	0.00E+00	0.00E+00	419576.1	3739967	0.000678	0	0.000678	6.63535E-05
1049	419579.65	3739959	2.73E-04	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	6.81E-04	0.00E+00	0.00E+00	3.44E-05	6.67E-05	0.00E+00	0.00E+00	419579.7	3739959	0.000681	0	0.000681	6.66962E-05
1050	419583.19	3739950	2.75E-04	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	6.85E-04	0.00E+00	0.00E+00	3.46E-05	6.71E-05	0.00E+00	0.00E+00	419583.2	3739950	0.000685	0	0.000685	6.71182E-05
1051	419586.72	3739941	2.77E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.90E-04	0.00E+00	0.00E+00	3.48E-05	6.75E-05	0.00E+00	0.00E+00	419586.7	3739941	0.00069	0	0.00069	6.75432E-05
1052	419590.25	3739933	2.79E-04	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	6.94E-04	0.00E+00	0.00E+00	3.50E-05	6.80E-05	0.00E+00	0.00E+00	419590.3	3739933	0.000694	0	0.000694	6.79701E-05
1053	419593.79	3739924	2.80E-04	6.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.99E-04	0.00E+00	0.00E+00	3.52E-05	6.84E-05	0.00E+00	0.00E+00	419593.8	3739924	0.000699	0	0.000699	6.8397E-05
1054	419597.32	3739916	2.82E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	7.03E-04	0.00E+00	0.00E+00	3.55E-05	6.88E-05	0.00E+00	0.00E+00	419597.3	3739916	0.000703	0	0.000703	6.88308E-05
1055	419600.85	3739907	2.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.07E-04	0.00E+00	0.00E+00	3.57E-05	6.93E-05	0.00E+00	0.00E+00	419600.9	3739907	0.000707	0	0.000707	6.92646E-05
1056	419604.38	3739898	2.86E-04	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	7.12E-04	0.00E+00	0.00E+00	3.59E-05	6.97E-05	0.00E+00	0.00E+00	419604.4	3739898	0.000712	0	0.000712	6.96807E-05
1057	419607.92	3739890	2.87E-04	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.16E-04	0.00E+00	0.00E+00	3.61E-05	7.01E-05	0.00E+00	0.00E+00	419607.9	3739890	0.000716	0	0.000716	7.00832E-05
1058	419611.45	3739881	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00	419611.5	3739881	0.00072	0	0.00072	7.04768E-05
1059	419614.98	3739872	2.90E-04	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.24E-04	0.00E+00	0.00E+00	3.65E-05	7.09E-05	0.00E+00	0.00E+00	419615	3739872	0.000724	0	0.000724	7.08695E-05
1060	419618.52	3739864	2.92E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.28E-04	0.00E+00	0.00E+00	3.67E-05	7.12E-05	0.00E+00	0.00E+00	419618.5	3739864	0.000728	0	0.000728	7.12484E-05
1061	419622.05	3739855	2.94E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.32E-04	0.00E+00	0.00E+00	3.69E-05	7.17E-05	0.00E+00	0.00E+00	419622.1	3739855	0.000732	0	0.000732	7.16509E-05
1062	419625.58	3739847	2.95E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	7.36E-04	0.00E+00	0.00E+00	3.71E-05	7.21E-05	0.00E+00	0.00E+00	419625.6	3739847	0.000736	0	0.000736	7.20817E-05
1063	419629.11	3739838	2.97E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.40E-04	0.00E+00	0.00E+00	3.74E-05	7.25E-05	0.00E+00	0.00E+00	419629.1	3739838	0.00074	0	0.00074	7.25057E-05
1064	419632.65	3739829	2.99E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.45E-04	0.00E+00	0.00E+00	3.76E-05	7.29E-05	0.00E+00	0.00E+00	419632.7	3739829	0.000745	0	0.000745	7.29277E-05
1065	419636.18	3739821	3.01E-04	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.49E-04	0.00E+00	0.00E+00	3.78E-05	7.33E-05	0.00E+00	0.00E+00	419636.2	3739821	0.000749	0	0.000749	7.33468E-05
1066	419639.71	3739812	3.02E-04	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.53E-04	0.00E+00	0.00E+00	3.80E-05	7.38E-05	0.00E+00	0.00E+00	419639.7	3739812	0.000753	0	0.000753	7.37522E-05
1067	419643.25	3739803	3.04E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.57E-04	0.00E+00	0.00E+00	3.82E-05	7.42E-05	0.00E+00	0.00E+00	419643.3	3739803	0.000757	0	0.000757	7.41713E-05
1068	419646.78	3739795	3.06E-04	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.62E-04	0.00E+00	0.00E+00	3.84E-05	7.46E-05	0.00E+00	0.00E+00	419646.8	3739795	0.000762	0	0.000762	7.46031E-05
1069	419650.31	3739786	3.07E-04	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	7.66E-04	0.00E+00	0.00E+00	3.87E-05	7.50E-05	0.00E+00	0.00E+00	419650.3	3739786	0.000766	0	0.000766	7.50026E-05
1070	419653.84	3739778	3.09E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	7.70E-04	0.00E+00	0.00E+00	3.88E-05	7.54E-05	0.00E+00	0.00E+00	419653.8	3739778	0.00077	0	0.00077	7.5363E-05
1071	419558.46	3740011	2.65E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.61E-04	0.00E+00	0.00E+00	3.34E-05	6.48E-05	0.00E+00	0.00E+00	419558.5	3740011	0.000661	0	0.000661	6.47643E-05
1072	419558.51	3740020	2.67E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.65E-04	0.00E+00	0.00E+00	3.35E-05	6.51E-05	0.00E+00	0.00E+00	419558.5	3740020	0.000665	0	0.000665	6.50903E-05
1073	419558.56	3740029	2.68E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.68E-04	0.00E+00	0.00E+00	3.37E-05	6.54E-05	0.00E+00	0.00E+00	419558.6	3740029	0.000668	0	0.000668	6.54203E-05
1074	419558.61	3740039	2.69E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.72E-04	0.00E+00	0.00E+00	3.39E-05	6.58E-05	0.00E+00	0.00E+00	419558.6	3740039	0.000672	0	0.000672	6.57581E-05
1075	419558.66	3740048	2.71E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.75E-04	0.00E+00	0.00E+00	3.41E-05	6.61E-05	0.00E+00	0.00E+00	419558.7	3740048	0.000675	0	0.000675	6.6094E-05
1076	419558.72	3740058	2.72E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.79E-04	0.00E+00	0.00E+00	3.42E-05	6.64E-05	0.00E+00	0.00E+00	419558.7	3740058	0.000679	0	0.000679	6.64377E-05
1077	419558.77	3740067	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00	419558.8	3740067	0.000682	0	0.000682	6.67833E-05
1078	419558.82	3740076	2.75E-04	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	6.86E-04	0.00E+00	0.00E+00	3.46E-05	6.71E-05	0.00E+00	0.00E+00	419558.8	3740076	0.000686	0	0.000686	6.71251E-05
1079	419558.87	3740086	2.76E-04	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	6.89E-04	0.00E+00	0.00E+00	3.48E-05	6.75E-05	0.00E+00	0.00E+00	419558.9	3740086	0.000689	0	0.000689	6.74648E-05
1080	419558.92	3740095	2.78E-04	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.92E-04	0.00E+00	0.00E+00	3.49E-05	6.78E-05	0.00E+00	0.00E+00	419558.9	3740095	0.000692	0	0.000692	6.78046E-05
1081	419558.97	3740104	2.79E-04	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	6.96E-04	0.00E+00	0.00E+00	3.51E-05	6.82E-05	0.00E+00	0.00E+00	419559	3740104	0.000696	0	0.000696	6.81708E-05
1082	419559.03	3740114	2.81E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.00E-04	0.00E+00	0.00E+00	3.53E-05	6.86E-05	0.00E+00	0.00E+00	419559	3740114	0.0007	0	0.0007	6.85674E-05
1083	419559.08	3740123	2.83E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	7.04E-04	0.00E+00	0.00E+00	3.55E-05	6.90E-05	0.00E+00	0.00E+00	419559.1	3740123	0.000704	0	0.000704	6.89601E-05
1084	419531.95	3740002	2.44E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.09E-04	0.00E+00	0.00E+00	3.07E-05	5.97E-05	0.00E+00	0.00E+00	419532	3740002	0.000609	0	0.000609	5.96568E-05
1085	419535.44	3739994	2.46E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.13E-04	0.00E+00	0.00E+00	3.09E-05	6.00E-05	0.00E+00	0.00E+00	419535.4	3739994	0.000613	0	0.000613	5.99966E-05
1086	419538.93	3739985	2.47E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.16E-04	0.00E+00	0.00E+00	3.11E-05	6.03E-05	0.00E+00	0.00E+00	419538.9	3739985	0.000616	0	0.000616	6.03364E-05
1087	419542.42	3739977	2.49E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.20E-04	0.00E+00	0.00E+00	3.13E-05	6.07E-05	0.00E+00	0.00E+00	419542.4	3739977	0.00062	0	0.00062	6.06644E-05
1088	419545.91	3739968	2.50E-04	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.23E-04	0.00E+00	0.00E+00	3.14E-05	6.10E-05	0.00E+00	0.00E+00	419545.9	3739968	0.000623	0	0.000623	6.09875E-05
1089	419549.41	3739960	2.51E-04	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.26E-04	0.00E+00	0.00E+00	3.16E-05	6.13E-05	0.00E+00	0.00E+00	419549.4	3739960	0.000626	0	0.000626	6.13165E-05
1090	419552.9	3739951	2.52E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.29E-04	0.00E+00	0.00E+00	3.18E-05	6.16E-05	0.00E+00	0.00E+00	419552.9	3739951	0.000629	0	0.000629	6.16152E-05
1091	419556.39	3739942	2.54E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.32E-04	0.00E+00	0.00E+00	3.19E-05	6.19E-05	0.00E+00	0.00E+00	419556.4	3739942	0.000632	0	0.000632	6.18776E-05
1092	419559.88	3739934	2.55E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.35E-04	0.00E+00	0.00E+00	3.20E-05	6.21E-05	0.00E+00	0.00E+00	419559.9	3739934	0.000635	0	0.000635	6.214E-05
1093	419563.37	3739925	2.56E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.37E-04	0.00E+00	0.00E+00	3.22E-05	6.24E-05	0.00E+00	0.00E+00	419563.4	3739925	0.000637	0	0.000637	6.24142E-05
1094	419566.86	3739917	2.57E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.41E-04	0.00E+00	0.00E+00	3.23E-05	6.27E-05	0.00E+00	0.00E+00	419566.9	3739917	0.000641	0	0.000641	6.27344E-05
1095	419570.35	3739908	2.59E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.45E-04	0.00E+00	0.00E+00	3.25E-05	6.31E-05	0.00E+00	0.00E+00	419570.4	3739908	0.000645	0	0.000645	6.31134E-05
1096	419573.84	3739900	2.60E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.49E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00	419573.8	3739900	0.000649	0	0.000649	6.35021E-05
1097	419577.34	3739891	2.62E-04	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	6.53E-04	0.00E+00	0.00E+00	3.29E-05	6.39E-05	0.00E+00	0.00E+00	419577.3	3739891	0.000653	0	0.000653	6.38996E-05
1098	419580.83	3739883	2.64E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.57E-04	0.00E+00	0.00E+00	3.31E-05	6.43E-05	0.00E+00	0.00E+00	419580.8	3739883	0.000657	0	0.000657	6.43275E-05
1099	419584.32	3739874	2.65E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.61E-04	0.00E+00	0.00E+00	3.34E-05	6.47E-05	0.00E+00	0.00E+00	419584.3	3739874	0.000661	0	0.000661	6.47192E-05
1100	419587.81	3739866	2.67E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.65E-04	0.00E+00	0.00E+00	3.35E-05	6.51E-05	0.00E+00	0.00E+00	419587.8	3739866	0.000665	0	0.000665	6.50893E-05
1101	419591.3	3739857	2.68E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.68E-04	0.00E+00	0.00E+00	3.37E-05	6.54E-05	0.00E+00	0.00E+00	419591.3	3739857	0.000668	0	0.000668	6.5435E-05
1102	419594.79	3739849	2.69E-04	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.72E-04	0.00E+00	0.00E+00	3.39E-05	6.58E-05	0.00E+00	0.00E+00	419594.8	3739849	0.000672	0	0.000672	6.57679E-05
1103	419598.28	3739840	2.71E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.75E-04	0.00E+00	0.00E+00	3.41E-05	6.61E-

1173	419524.32	3739875	2.23E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.55E-04	0.00E+00	0.00E+00	2.80E-05	5.44E-05	0.00E+00	0.00E+00	419524.3	3739875	0.000555	0	0.000555	5.43545E-05
1174	419527.81	3739866	2.24E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.59E-04	0.00E+00	0.00E+00	2.82E-05	5.47E-05	0.00E+00	0.00E+00	419527.8	3739866	0.000559	0	0.000559	5.46884E-05
1175	419531.3	3739858	2.25E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.62E-04	0.00E+00	0.00E+00	2.84E-05	5.50E-05	0.00E+00	0.00E+00	419531.3	3739858	0.000562	0	0.000562	5.50194E-05
1176	419534.79	3739849	2.27E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.65E-04	0.00E+00	0.00E+00	2.85E-05	5.53E-05	0.00E+00	0.00E+00	419534.8	3739849	0.000565	0	0.000565	5.53328E-05
1177	419538.28	3739840	2.28E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.68E-04	0.00E+00	0.00E+00	2.87E-05	5.56E-05	0.00E+00	0.00E+00	419538.3	3739840	0.000568	0	0.000568	5.56402E-05
1178	419541.78	3739832	2.29E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.71E-04	0.00E+00	0.00E+00	2.88E-05	5.59E-05	0.00E+00	0.00E+00	419541.8	3739832	0.000571	0	0.000571	5.59398E-05
1179	419545.27	3739823	2.30E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.74E-04	0.00E+00	0.00E+00	2.90E-05	5.62E-05	0.00E+00	0.00E+00	419545.3	3739823	0.000574	0	0.000574	5.6213E-05
1180	419548.76	3739815	2.31E-04	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.77E-04	0.00E+00	0.00E+00	2.91E-05	5.65E-05	0.00E+00	0.00E+00	419548.8	3739815	0.000577	0	0.000577	5.64794E-05
1181	419552.25	3739806	2.32E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.79E-04	0.00E+00	0.00E+00	2.92E-05	5.67E-05	0.00E+00	0.00E+00	419552.3	3739806	0.000579	0	0.000579	5.67379E-05
1182	419555.74	3739798	2.34E-04	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.82E-04	0.00E+00	0.00E+00	2.94E-05	5.70E-05	0.00E+00	0.00E+00	419555.7	3739798	0.000582	0	0.000582	5.69866E-05
1183	419559.23	3739789	2.34E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.84E-04	0.00E+00	0.00E+00	2.95E-05	5.72E-05	0.00E+00	0.00E+00	419559.2	3739789	0.000584	0	0.000584	5.72285E-05
1184	419562.72	3739781	2.35E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.75E-05	0.00E+00	0.00E+00	419562.7	3739781	0.000587	0	0.000587	5.74732E-05
1185	419468.67	3740049	2.09E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.21E-04	0.00E+00	0.00E+00	2.63E-05	5.10E-05	0.00E+00	0.00E+00	419468.7	3740049	0.000521	0	0.000521	5.10038E-05
1186	419468.72	3740058	2.10E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.24E-04	0.00E+00	0.00E+00	2.64E-05	5.13E-05	0.00E+00	0.00E+00	419468.7	3740058	0.000524	0	0.000524	5.12789E-05
1187	419468.77	3740067	2.11E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.27E-04	0.00E+00	0.00E+00	2.66E-05	5.16E-05	0.00E+00	0.00E+00	419468.8	3740067	0.000527	0	0.000527	5.1557E-05
1188	419468.82	3740077	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00	419468.8	3740077	0.000529	0	0.000529	5.17979E-05
1189	419468.87	3740086	2.13E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.31E-04	0.00E+00	0.00E+00	2.68E-05	5.20E-05	0.00E+00	0.00E+00	419468.9	3740086	0.000531	0	0.000531	5.2028E-05
1190	419468.92	3740096	2.14E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.34E-04	0.00E+00	0.00E+00	2.69E-05	5.23E-05	0.00E+00	0.00E+00	419468.9	3740096	0.000534	0	0.000534	5.2261E-05
1191	419468.98	3740105	2.15E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.36E-04	0.00E+00	0.00E+00	2.71E-05	5.25E-05	0.00E+00	0.00E+00	419469	3740105	0.000536	0	0.000536	5.25088E-05
1192	419469.03	3740114	2.16E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.39E-04	0.00E+00	0.00E+00	2.72E-05	5.28E-05	0.00E+00	0.00E+00	419469	3740114	0.000539	0	0.000539	5.27663E-05
1193	419469.08	3740124	2.17E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.42E-04	0.00E+00	0.00E+00	2.73E-05	5.30E-05	0.00E+00	0.00E+00	419469.1	3740124	0.000542	0	0.000542	5.30258E-05
1194	419431.97	3740003	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00	419432	3740003	0.000466	0	0.000466	4.56261E-05
1195	419435.49	3739994	1.88E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.68E-04	0.00E+00	0.00E+00	2.36E-05	4.59E-05	0.00E+00	0.00E+00	419435.5	3739994	0.000468	0	0.000468	4.58513E-05
1196	419439	3739985	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.37E-05	4.61E-05	0.00E+00	0.00E+00	419439	3739985	0.000471	0	0.000471	4.60765E-05
1197	419449.54	3739960	1.92E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.78E-04	0.00E+00	0.00E+00	2.41E-05	4.68E-05	0.00E+00	0.00E+00	419449.5	3739960	0.000478	0	0.000478	4.67571E-05
1198	419453.05	3739951	1.93E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.80E-04	0.00E+00	0.00E+00	2.42E-05	4.70E-05	0.00E+00	0.00E+00	419453.1	3739951	0.00048	0	0.00048	4.69823E-05
1199	419456.57	3739943	1.93E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.82E-04	0.00E+00	0.00E+00	2.43E-05	4.72E-05	0.00E+00	0.00E+00	419456.6	3739943	0.000482	0	0.000482	4.72085E-05
1200	419460.08	3739934	1.94E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.84E-04	0.00E+00	0.00E+00	2.44E-05	4.74E-05	0.00E+00	0.00E+00	419460.1	3739934	0.000484	0	0.000484	4.74327E-05
1201	419463.59	3739925	1.95E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.87E-04	0.00E+00	0.00E+00	2.46E-05	4.77E-05	0.00E+00	0.00E+00	419463.6	3739925	0.000487	0	0.000487	4.76706E-05
1202	419467.1	3739917	1.96E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.89E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00	419467.1	3739917	0.000489	0	0.000489	4.79027E-05
1203	419470.62	3739908	1.97E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.92E-04	0.00E+00	0.00E+00	2.48E-05	4.81E-05	0.00E+00	0.00E+00	419470.6	3739908	0.000492	0	0.000492	4.81357E-05
1204	419474.13	3739900	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.84E-05	0.00E+00	0.00E+00	419474.1	3739900	0.000494	0	0.000494	4.83659E-05
1205	419477.64	3739891	1.99E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.96E-04	0.00E+00	0.00E+00	2.50E-05	4.86E-05	0.00E+00	0.00E+00	419477.6	3739891	0.000496	0	0.000496	4.8595E-05
1206	419481.16	3739883	2.00E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.99E-04	0.00E+00	0.00E+00	2.52E-05	4.88E-05	0.00E+00	0.00E+00	419481.2	3739883	0.000499	0	0.000499	4.883E-05
1207	419484.67	3739874	2.01E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.01E-04	0.00E+00	0.00E+00	2.53E-05	4.91E-05	0.00E+00	0.00E+00	419484.7	3739874	0.000501	0	0.000501	4.90572E-05
1208	419488.18	3739865	2.02E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.03E-04	0.00E+00	0.00E+00	2.54E-05	4.93E-05	0.00E+00	0.00E+00	419488.2	3739865	0.000503	0	0.000503	4.92736E-05
1209	419491.7	3739857	2.03E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.06E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00	419491.7	3739857	0.000506	0	0.000506	4.95027E-05
1210	419495.21	3739848	2.04E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.08E-04	0.00E+00	0.00E+00	2.56E-05	4.98E-05	0.00E+00	0.00E+00	419495.2	3739848	0.000508	0	0.000508	4.97534E-05
1211	419498.72	3739840	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.00E-05	0.00E+00	0.00E+00	419498.7	3739840	0.000511	0	0.000511	5.00021E-05
1212	419502.24	3739831	2.06E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.13E-04	0.00E+00	0.00E+00	2.59E-05	5.02E-05	0.00E+00	0.00E+00	419502.2	3739831	0.000513	0	0.000513	5.02498E-05
1213	419505.75	3739822	2.07E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.15E-04	0.00E+00	0.00E+00	2.60E-05	5.05E-05	0.00E+00	0.00E+00	419505.8	3739822	0.000515	0	0.000515	5.04662E-05
1214	419509.26	3739814	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00	419509.3	3739814	0.000518	0	0.000518	5.06787E-05
1215	419512.78	3739805	2.09E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.20E-04	0.00E+00	0.00E+00	2.62E-05	5.09E-05	0.00E+00	0.00E+00	419512.8	3739805	0.00052	0	0.00052	5.08912E-05
1216	419516.29	3739797	2.09E-04	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.22E-04	0.00E+00	0.00E+00	2.63E-05	5.11E-05	0.00E+00	0.00E+00	419516.3	3739797	0.000522	0	0.000522	5.10909E-05
1217	419519.8	3739788	2.10E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.24E-04	0.00E+00	0.00E+00	2.64E-05	5.13E-05	0.00E+00	0.00E+00	419519.8	3739788	0.000524	0	0.000524	5.12701E-05
1218	419523.32	3739780	2.11E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.26E-04	0.00E+00	0.00E+00	2.65E-05	5.15E-05	0.00E+00	0.00E+00	419523.3	3739780	0.000526	0	0.000526	5.14738E-05
1219	419428.46	3740011	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.54E-05	0.00E+00	0.00E+00	419428.5	3740011	0.000464	0	0.000464	4.54077E-05
1220	419428.51	3740021	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00	419428.5	3740021	0.000466	0	0.000466	4.56143E-05
1221	419428.56	3740030	1.88E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.68E-04	0.00E+00	0.00E+00	2.36E-05	4.58E-05	0.00E+00	0.00E+00	419428.6	3740030	0.000468	0	0.000468	4.58239E-05
1222	419428.61	3740039	1.89E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.70E-04	0.00E+00	0.00E+00	2.37E-05	4.60E-05	0.00E+00	0.00E+00	419428.6	3740039	0.00047	0	0.00047	4.60334E-05
1223	419428.67	3740049	1.89E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.72E-04	0.00E+00	0.00E+00	2.38E-05	4.62E-05	0.00E+00	0.00E+00	419428.7	3740049	0.000472	0	0.000472	4.62077E-05
1224	419428.72	3740058	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00	419428.7	3740058	0.000474	0	0.000474	4.6384E-05
1225	419428.77	3740068	1.91E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.76E-04	0.00E+00	0.00E+00	2.40E-05	4.66E-05	0.00E+00	0.00E+00	419428.8	3740068	0.000476	0	0.000476	4.65622E-05
1226	419428.82	3740077	1.92E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.78E-04	0.00E+00	0.00E+00	2.41E-05	4.68E-05	0.00E+00	0.00E+00	419428.8	3740077	0.000478	0	0.000478	4.67649E-05
1227	419428.87	3740086	1.93E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.80E-04	0.00E+00	0.00E+00	2.42E-05	4.70E-05	0.00E+00	0.00E+00	419428.9	3740086	0.00048	0	0.00048	4.69823E-05
1228	419428.92	3740096	1.93E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.82E-04	0.00E+00	0.00E+00	2.43E-05	4.72E-05	0.00E+00	0.00E+00	419428.9	3740096	0.000482	0	0.000482	4.72026E-05
1229	419428.98	3740105	1.94E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.85E-04	0.00E+00	0.00E+00	2.44E-05	4.74E-05	0.00E+00	0.00E+00	419429	3740105	0.000485	0	0.000485	4.74435E-05
1230	419429.03	3740115	1.95E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.87E-04	0.00E+00	0.00E+00	2.46E-05	4.77E-05	0.00E+00	0.00E+00	419429	3740115	0.000487	0	0.000487	4.77E-05
1231	419429.08	3740124	1.97E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.90E-04	0.00E+00	0.00E+00	2.47E-05	4.80E-05	0.00E+00	0.00E+00	419429.1	3740124	0.00049	0	0.00049	4.79605E-05
1232	419391.99	3740003	1.70E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.25E-04	0.00E+00	0.00E+00	2.14E-05	4.16E-05	0.00E+00	0.00E+00	419392	3740003	0.000425	0	0.000425	4.15791E-05
1233	419395.53	3739994	1.71E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.27E-04	0.00E+00	0.00E+00	2.15E-05	4.18E-05	0.00E+00	0.00E+00	419395.5	3739994	0.000427	0	0.000427	4.17779E-05
1234	419399.06	3739986	1.72E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.29E-04	0.00E+00	0.00E+00	2.16E-05	4.20E-05	0.00E+00	0.00E+00	419399.1	3739986	0.000429	0	0.000429	4.19835E-05
1235	419402.59	3739977	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.17E-05	4.22E-05	0.00E+00	0.00E+00	419402.6	3739977	0.000431	0	0.000431	4.21745E-05
1236	419406.12	3739968	1.74E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.32E-04	0.00E+00	0.00E+00	2.18E-05	4.23E-05	0.00E+00	0.00E+00	419406.1	3739968	0.000432	0	0.000432	4.23458E-05
1237	419409.66	3739960	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00	419409.7	3739960	0.000434	0	0.000434	4.2524E-05
1238	419413.19	3739951	1.75E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.36E-04	0.00E+00	0.00E+00	2.20E-05	4.27E-05	0.00E+00	0.00E+00	419413.2	3739951	0.000436	0	0.000436	4.27091E-05
1239	419416.72	3739942	1.76E-04	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.39E-04	0.00E+00	0.00E+00	2.21E-05	4.29E-05	0.00E+00	0.00E+00	419416.7	3739942	0.000439	0	0.000439	4.29431E-05
1240	419420.26	3739934	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.22E-05	4.32E-05	0.00E+00	0.00E+00	419420.3	3739934	0.000441	0	0.000441	4.31713E-05
1241	419430.85	3739908	1.80E-04	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.47E-04	0.00E+00	0.00E+00	2.26E-05	4.38E-05	0.00E+00	0.00E+00	419430.9	3739908	0.000447	0	0.000447	4.38126E-05
1242	419434.39	3739899	1.80E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.50E-04	0.00E+00	0.00E+00	2.27E-05	4.40E-05	0.00E+00	0.00E+00	419434.4	3739899	0.00045	0	0.00045	4.40222E-05
1243	419437.92	3739891	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00	419437.9	3739891	0.000452	0	0.000452	4.42239E-05
1244	419441.45	3739882	1.82E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.54E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-05	0.00E+00	0.00E+00	419441.5	3739882	0.000454	0	0.000454	4.44246E-05
1245	419444.99	3739873	1.83E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.56E-04	0.00E+00	0.00E+00	2.30E-05	4.46E-05	0.00E+00	0.00E+00	419445	3739873	0.000456	0	0.000456	4.46254E-05
1246	419448.52	3739865	1.84E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.58E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00	419448.5	3739865	0.000458	0	0.000458	4.48241E-05
1247	419452.05	3739856	1.84E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.60E-04	0.00E+00	0.00E+00	2.32E-05	4.50E-05	0.00E+00	0.00E+00	419452.1	3739856	0.00046	0	0.00046	4.5017E-05
1248	419455.58	3739847	1.85E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.62E-04	0.00E+00	0.00E+00	2.33E-05	4.52E-05	0.00E+00	0.00E+00	419455.6	3739847	0.000462	0	0.000462	4.52099E-05
1249	419459.12	3739839	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.54E-05	0.00E+00	0.00E+00	419459.1	3739839	0.000464	0	0.000464	4.54058E-05
1250	419462.65	3739830	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0

1320	419308.56	3740031	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.79E-05	3.48E-05	0.00E+00	0.00E+00	419308.6	3740031	0.000356	0	0.000356	3.4813E-05
1321	419308.62	3740040	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00	419308.6	3740040	0.000356	0	0.000356	3.48844E-05
1322	419308.67	3740049	1.44E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.58E-04	0.00E+00	0.00E+00	1.81E-05	3.51E-05	0.00E+00	0.00E+00	419308.7	3740049	0.000358	0	0.000358	3.50685E-05
1323	419308.72	3740059	1.44E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.60E-04	0.00E+00	0.00E+00	1.82E-05	3.52E-05	0.00E+00	0.00E+00	419308.7	3740059	0.00036	0	0.00036	3.52458E-05
1324	419308.77	3740068	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.83E-05	3.54E-05	0.00E+00	0.00E+00	419308.8	3740068	0.000362	0	0.000362	3.5422E-05
1325	419308.82	3740078	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.56E-05	0.00E+00	0.00E+00	419308.8	3740078	0.000363	0	0.000363	3.55787E-05
1326	419308.87	3740087	1.46E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.57E-05	0.00E+00	0.00E+00	419308.9	3740087	0.000365	0	0.000365	3.57344E-05
1327	419308.93	3740096	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00	419308.9	3740096	0.000367	0	0.000367	3.5893E-05
1328	419308.98	3740106	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.60E-05	0.00E+00	0.00E+00	419309	3740106	0.000368	0	0.000368	3.60389E-05
1329	419309.03	3740115	1.48E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.70E-04	0.00E+00	0.00E+00	1.86E-05	3.62E-05	0.00E+00	0.00E+00	419309	3740115	0.00037	0	0.00037	3.61868E-05
1330	419309.08	3740125	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00	419309.1	3740125	0.000371	0	0.000371	3.63415E-05
1331	419271.99	3740003	1.32E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.28E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00	419272	3740003	0.000328	0	0.000328	3.21075E-05
1332	419275.52	3739995	1.32E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.29E-04	0.00E+00	0.00E+00	1.66E-05	3.22E-05	0.00E+00	0.00E+00	419275.5	3739995	0.000329	0	0.000329	3.22494E-05
1333	419279.04	3739986	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00	419279	3739986	0.000331	0	0.000331	3.23993E-05
1334	419282.57	3739978	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00	419282.6	3739978	0.000332	0	0.000332	3.2552E-05
1335	419286.09	3739969	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.68E-05	3.27E-05	0.00E+00	0.00E+00	419286.1	3739969	0.000334	0	0.000334	3.26881E-05
1336	419289.62	3739960	1.35E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00	419289.6	3739960	0.000335	0	0.000335	3.28242E-05
1337	419314.31	3739900	1.39E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.45E-04	0.00E+00	0.00E+00	1.74E-05	3.38E-05	0.00E+00	0.00E+00	419314.3	3739900	0.000345	0	0.000345	3.38142E-05
1338	419317.83	3739892	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00	419317.8	3739892	0.000347	0	0.000347	3.39924E-05
1339	419321.36	3739883	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00	419321.4	3739883	0.000349	0	0.000349	3.41843E-05
1340	419324.89	3739874	1.41E-04	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.51E-04	0.00E+00	0.00E+00	1.77E-05	3.43E-05	0.00E+00	0.00E+00	419324.9	3739874	0.000351	0	0.000351	3.43498E-05
1341	419328.41	3739866	1.41E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.52E-04	0.00E+00	0.00E+00	1.78E-05	3.45E-05	0.00E+00	0.00E+00	419328.4	3739866	0.000352	0	0.000352	3.44722E-05
1342	419331.94	3739857	1.42E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.46E-05	0.00E+00	0.00E+00	419331.9	3739857	0.000353	0	0.000353	3.45917E-05
1343	419335.47	3739848	1.42E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.55E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00	419335.5	3739848	0.000355	0	0.000355	3.4715E-05
1344	419338.99	3739840	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.80E-05	3.48E-05	0.00E+00	0.00E+00	419339	3739840	0.000356	0	0.000356	3.48374E-05
1345	419342.52	3739831	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.50E-05	0.00E+00	0.00E+00	419342.5	3739831	0.000357	0	0.000357	3.49569E-05
1346	419346.05	3739823	1.44E-04	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.58E-04	0.00E+00	0.00E+00	1.81E-05	3.51E-05	0.00E+00	0.00E+00	419346.1	3739823	0.000358	0	0.000358	3.50891E-05
1347	419349.57	3739814	1.44E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.60E-04	0.00E+00	0.00E+00	1.82E-05	3.52E-05	0.00E+00	0.00E+00	419349.6	3739814	0.00036	0	0.00036	3.52223E-05
1348	419353.1	3739805	1.45E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.61E-04	0.00E+00	0.00E+00	1.82E-05	3.54E-05	0.00E+00	0.00E+00	419353.1	3739805	0.000361	0	0.000361	3.53544E-05
1349	419374.26	3739754	1.48E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.69E-04	0.00E+00	0.00E+00	1.86E-05	3.61E-05	0.00E+00	0.00E+00	419374.3	3739754	0.000369	0	0.000369	3.6083E-05
1350	419268.46	3740012	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00	419268.5	3740012	0.000326	0	0.000326	3.19684E-05
1351	419268.51	3740022	1.31E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.28E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00	419268.5	3740022	0.000328	0	0.000328	3.20712E-05
1352	419268.57	3740031	1.32E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.29E-04	0.00E+00	0.00E+00	1.66E-05	3.22E-05	0.00E+00	0.00E+00	419268.6	3740031	0.000329	0	0.000329	3.21711E-05
1353	419268.62	3740040	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00	419268.6	3740040	0.00033	0	0.00033	3.22749E-05
1354	419268.67	3740050	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00	419268.7	3740050	0.000331	0	0.000331	3.23963E-05
1355	419268.72	3740059	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.68E-05	3.25E-05	0.00E+00	0.00E+00	419268.7	3740059	0.000332	0	0.000332	3.25128E-05
1356	419268.77	3740068	1.34E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.33E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00	419268.8	3740068	0.000333	0	0.000333	3.26392E-05
1357	419268.82	3740078	1.34E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00	419268.8	3740078	0.000335	0	0.000335	3.27645E-05
1358	419268.88	3740087	1.35E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.36E-04	0.00E+00	0.00E+00	1.70E-05	3.29E-05	0.00E+00	0.00E+00	419268.9	3740087	0.000336	0	0.000336	3.28938E-05
1359	419268.93	3740097	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00	419268.9	3740097	0.000337	0	0.000337	3.30289E-05
1360	419268.98	3740106	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00	419269	3740106	0.000339	0	0.000339	3.31532E-05
1361	419269.03	3740115	1.36E-04	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.40E-04	0.00E+00	0.00E+00	1.72E-05	3.33E-05	0.00E+00	0.00E+00	419269	3740115	0.00034	0	0.00034	3.32835E-05
1362	419269.08	3740125	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00	419269.1	3740125	0.000341	0	0.000341	3.34127E-05
1363	419232	3740004	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00	419232	3740004	0.000304	0	0.000304	2.97966E-05
1364	419235.55	3739995	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00	419235.6	3739995	0.000306	0	0.000306	2.99161E-05
1365	419239.09	3739986	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00	419239.1	3739986	0.000307	0	0.000307	3.00394E-05
1366	419242.63	3739978	1.24E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.08E-04	0.00E+00	0.00E+00	1.55E-05	3.02E-05	0.00E+00	0.00E+00	419242.6	3739978	0.000308	0	0.000308	3.01628E-05
1367	419246.17	3739969	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00	419246.2	3739969	0.000309	0	0.000309	3.02881E-05
1368	419249.71	3739960	1.25E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.11E-04	0.00E+00	0.00E+00	1.57E-05	3.04E-05	0.00E+00	0.00E+00	419249.7	3739960	0.000311	0	0.000311	3.04164E-05
1369	419253.26	3739952	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00	419253.3	3739952	0.000312	0	0.000312	3.05388E-05
1370	419256.8	3739943	1.26E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00	419256.8	3739943	0.000313	0	0.000313	3.06593E-05
1371	419260.34	3739934	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00	419260.3	3739934	0.000314	0	0.000314	3.07719E-05
1372	419263.88	3739926	1.27E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00	419263.9	3739926	0.000315	0	0.000315	3.08835E-05
1373	419267.42	3739917	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00	419267.4	3739917	0.000317	0	0.000317	3.09951E-05
1374	419270.96	3739909	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.60E-05	3.11E-05	0.00E+00	0.00E+00	419271	3739909	0.000318	0	0.000318	3.11351E-05
1375	419292.22	3739857	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00	419292.2	3739857	0.000326	0	0.000326	3.19625E-05
1376	419295.76	3739848	1.31E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.28E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00	419295.8	3739848	0.000328	0	0.000328	3.20712E-05
1377	419299.3	3739839	1.32E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.29E-04	0.00E+00	0.00E+00	1.66E-05	3.22E-05	0.00E+00	0.00E+00	419299.3	3739839	0.000329	0	0.000329	3.2176E-05
1378	419302.84	3739831	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00	419302.8	3739831	0.00033	0	0.00033	3.22798E-05
1379	419306.38	3739822	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00	419306.4	3739822	0.000331	0	0.000331	3.23944E-05
1380	419324.09	3739779	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00	419324.1	3739779	0.000337	0	0.000337	3.29701E-05
1381	419327.63	3739770	1.36E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.38E-04	0.00E+00	0.00E+00	1.70E-05	3.31E-05	0.00E+00	0.00E+00	419327.6	3739770	0.000338	0	0.000338	3.30769E-05
1382	419331.18	3739761	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00	419331.2	3739761	0.000339	0	0.000339	3.31797E-05
1383	419228.46	3740012	1.22E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.97E-05	0.00E+00	0.00E+00	419228.5	3740012	0.000303	0	0.000303	2.96762E-05
1384	419228.51	3740022	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.53E-05	2.98E-05	0.00E+00	0.00E+00	419228.5	3740022	0.000304	0	0.000304	2.97594E-05
1385	419228.57	3740031	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00	419228.6	3740031	0.000305	0	0.000305	2.98465E-05
1386	419228.62	3740041	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00	419228.6	3740041	0.000306	0	0.000306	2.99298E-05
1387	419228.67	3740050	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00	419228.7	3740050	0.000307	0	0.000307	3.00179E-05
1388	419228.72	3740059	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.01E-05	0.00E+00	0.00E+00	419228.7	3740059	0.000307	0	0.000307	3.01001E-05
1389	419228.77	3740069	1.24E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.08E-04	0.00E+00	0.00E+00	1.56E-05	3.02E-05	0.00E+00	0.00E+00	419228.8	3740069	0.000308	0	0.000308	3.01912E-05
1390	419228.82	3740078	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00	419228.8	3740078	0.000309	0	0.000309	3.0294E-05
1391	419228.88	3740088	1.25E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.10E-04	0.00E+00	0.00E+00	1.57E-05	3.04E-05	0.00E+00	0.00E+00	419228.9	3740088	0.00031	0	0.00031	3.03978E-05
1392	419228.93	3740097	1.25E-04	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.12E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00	419228.9	3740097	0.000312	0	0.000312	3.05134E-05
1393	419228.98	3740106	1.25E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00	419229	3740106	0.000313	0	0.000313	3.06181E-05
1394	419229.03	3740116	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00	419229	3740116	0.000314	0	0.000314	3.07347E-05
1395	419229.08	3740125	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00	419229.1	3740125	0.000315	0	0.000315	3.08453E-05
1396	419192.02	3740004	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00	419192	3740004	0.000282	0	0.000282	2.76091E-05
1397	419195.58	3739995	1.14E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00

1467	419147.35	3739918	1.02E-04	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.55E-04	0.00E+00	0.00E+00	1.29E-05	2.50E-05	0.00E+00	0.00E+00	419147.4	3739918	0.000255	0	0.000255	2.49594E-05
1468	419150.89	3739909	1.03E-04	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.56E-04	0.00E+00	0.00E+00	1.29E-05	2.51E-05	0.00E+00	0.00E+00	419150.9	3739909	0.000256	0	0.000256	2.50759E-05
1469	419154.43	3739901	1.03E-04	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.57E-04	0.00E+00	0.00E+00	1.30E-05	2.52E-05	0.00E+00	0.00E+00	419154.4	3739901	0.000257	0	0.000257	2.51797E-05
1470	419157.96	3739892	1.04E-04	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	2.58E-04	0.00E+00	0.00E+00	1.30E-05	2.53E-05	0.00E+00	0.00E+00	419158	3739892	0.000258	0	0.000258	2.52933E-05
1471	419182.71	3739832	1.06E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.65E-04	0.00E+00	0.00E+00	1.34E-05	2.59E-05	0.00E+00	0.00E+00	419182.7	3739832	0.000265	0	0.000265	2.59112E-05
1472	419186.24	3739823	1.06E-04	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.65E-04	0.00E+00	0.00E+00	1.34E-05	2.60E-05	0.00E+00	0.00E+00	419186.2	3739823	0.000265	0	0.000265	2.59905E-05
1473	419189.78	3739814	1.07E-04	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.66E-04	0.00E+00	0.00E+00	1.34E-05	2.61E-05	0.00E+00	0.00E+00	419189.8	3739814	0.000266	0	0.000266	2.60737E-05
1474	419193.31	3739806	1.07E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	2.67E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00	419193.3	3739806	0.000267	0	0.000267	2.61579E-05
1475	419196.85	3739797	1.08E-04	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.68E-04	0.00E+00	0.00E+00	1.35E-05	2.62E-05	0.00E+00	0.00E+00	419196.9	3739797	0.000268	0	0.000268	2.62382E-05
1476	419200.39	3739788	1.08E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.69E-04	0.00E+00	0.00E+00	1.36E-05	2.63E-05	0.00E+00	0.00E+00	419200.4	3739788	0.000269	0	0.000269	2.63117E-05
1477	419203.92	3739780	1.08E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.69E-04	0.00E+00	0.00E+00	1.36E-05	2.64E-05	0.00E+00	0.00E+00	419203.9	3739780	0.000269	0	0.000269	2.63802E-05
1478	419207.46	3739771	1.08E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.70E-04	0.00E+00	0.00E+00	1.36E-05	2.65E-05	0.00E+00	0.00E+00	419207.5	3739771	0.00027	0	0.00027	2.64517E-05
1479	419210.99	3739763	1.09E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.71E-04	0.00E+00	0.00E+00	1.37E-05	2.65E-05	0.00E+00	0.00E+00	419211	3739763	0.000271	0	0.000271	2.65242E-05
1480	419072.01	3740005	9.23E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00	419072	3740005	0.00023	0	0.00023	2.25281E-05
1481	419075.56	3739996	9.27E-05	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	2.31E-04	0.00E+00	0.00E+00	1.17E-05	2.26E-05	0.00E+00	0.00E+00	419075.6	3739996	0.000231	0	0.000231	2.26162E-05
1482	419079.11	3739987	9.29E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00	419079.1	3739987	0.000232	0	0.000232	2.26838E-05
1483	419082.66	3739979	9.33E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	2.33E-04	0.00E+00	0.00E+00	1.17E-05	2.28E-05	0.00E+00	0.00E+00	419082.7	3739979	0.000233	0	0.000233	2.27739E-05
1484	419086.21	3739970	9.37E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-05	2.33E-04	0.00E+00	0.00E+00	1.18E-05	2.29E-05	0.00E+00	0.00E+00	419086.2	3739970	0.000233	0	0.000233	2.28571E-05
1485	419089.75	3739961	9.41E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.30E-05	0.00E+00	0.00E+00	419089.8	3739961	0.000234	0	0.000234	2.29599E-05
1486	419093.3	3739953	9.44E-05	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	2.35E-04	0.00E+00	0.00E+00	1.19E-05	2.30E-05	0.00E+00	0.00E+00	419093.3	3739953	0.000235	0	0.000235	2.30432E-05
1487	419096.85	3739944	9.48E-05	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	2.36E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00	419096.9	3739944	0.000236	0	0.000236	2.31391E-05
1488	419100.4	3739935	9.51E-05	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-05	2.37E-04	0.00E+00	0.00E+00	1.20E-05	2.32E-05	0.00E+00	0.00E+00	419100.4	3739935	0.000237	0	0.000237	2.32165E-05
1489	419103.95	3739927	9.55E-05	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	2.38E-04	0.00E+00	0.00E+00	1.20E-05	2.33E-05	0.00E+00	0.00E+00	419104	3739927	0.000238	0	0.000238	2.33066E-05
1490	419139.43	3739840	9.91E-05	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-05	2.47E-04	0.00E+00	0.00E+00	1.25E-05	2.42E-05	0.00E+00	0.00E+00	419139.4	3739840	0.000247	0	0.000247	2.4179E-05
1491	419142.97	3739831	9.94E-05	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	2.48E-04	0.00E+00	0.00E+00	1.25E-05	2.43E-05	0.00E+00	0.00E+00	419143	3739831	0.000248	0	0.000248	2.42554E-05
1492	419146.52	3739823	9.97E-05	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	2.48E-04	0.00E+00	0.00E+00	1.25E-05	2.43E-05	0.00E+00	0.00E+00	419146.5	3739823	0.000248	0	0.000248	2.43288E-05
1493	419150.07	3739814	1.00E-04	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.49E-04	0.00E+00	0.00E+00	1.26E-05	2.44E-05	0.00E+00	0.00E+00	419150.1	3739814	0.000249	0	0.000249	2.44003E-05
1494	419153.62	3739805	1.00E-04	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	2.50E-04	0.00E+00	0.00E+00	1.26E-05	2.45E-05	0.00E+00	0.00E+00	419153.6	3739805	0.00025	0	0.00025	2.44679E-05
1495	419157.17	3739797	1.01E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.51E-04	0.00E+00	0.00E+00	1.26E-05	2.45E-05	0.00E+00	0.00E+00	419157.2	3739797	0.000251	0	0.000251	2.45345E-05
1496	419160.71	3739788	1.01E-04	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.51E-04	0.00E+00	0.00E+00	1.27E-05	2.46E-05	0.00E+00	0.00E+00	419160.7	3739788	0.000251	0	0.000251	2.4604E-05
1497	419164.26	3739779	1.01E-04	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.52E-04	0.00E+00	0.00E+00	1.27E-05	2.47E-05	0.00E+00	0.00E+00	419164.3	3739779	0.000252	0	0.000252	2.46715E-05
1498	419167.81	3739771	1.01E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	2.53E-04	0.00E+00	0.00E+00	1.27E-05	2.47E-05	0.00E+00	0.00E+00	419167.8	3739771	0.000253	0	0.000253	2.47391E-05
1499	419171.36	3739762	1.02E-04	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	2.53E-04	0.00E+00	0.00E+00	1.28E-05	2.48E-05	0.00E+00	0.00E+00	419171.4	3739762	0.000253	0	0.000253	2.47979E-05
1500	419068.47	3740013	9.20E-05	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	2.29E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00	419068.5	3740013	0.000229	0	0.000229	2.24635E-05
1501	419068.52	3740023	9.23E-05	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-05	2.30E-04	0.00E+00	0.00E+00	1.16E-05	2.25E-05	0.00E+00	0.00E+00	419068.5	3740023	0.00023	0	0.00023	2.25154E-05
1502	419068.57	3740032	9.25E-05	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-05	2.31E-04	0.00E+00	0.00E+00	1.16E-05	2.26E-05	0.00E+00	0.00E+00	419068.6	3740032	0.000231	0	0.000231	2.2581E-05
1503	419068.62	3740041	9.27E-05	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-05	2.31E-04	0.00E+00	0.00E+00	1.17E-05	2.26E-05	0.00E+00	0.00E+00	419068.6	3740041	0.000231	0	0.000231	2.26182E-05
1504	419068.67	3740051	9.29E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00	419068.7	3740051	0.000232	0	0.000232	2.2673E-05
1505	419068.72	3740060	9.31E-05	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-05	2.32E-04	0.00E+00	0.00E+00	1.17E-05	2.27E-05	0.00E+00	0.00E+00	419068.7	3740060	0.000232	0	0.000232	2.27141E-05
1506	419068.78	3740070	9.33E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	2.33E-04	0.00E+00	0.00E+00	1.17E-05	2.28E-05	0.00E+00	0.00E+00	419068.8	3740070	0.000233	0	0.000233	2.2769E-05
1507	419068.83	3740079	9.35E-05	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	2.33E-04	0.00E+00	0.00E+00	1.18E-05	2.28E-05	0.00E+00	0.00E+00	419068.8	3740079	0.000233	0	0.000233	2.28277E-05
1508	419068.88	3740088	9.38E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.29E-05	0.00E+00	0.00E+00	419068.9	3740088	0.000234	0	0.000234	2.28943E-05
1509	419068.93	3740098	9.41E-05	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	2.34E-04	0.00E+00	0.00E+00	1.18E-05	2.30E-05	0.00E+00	0.00E+00	419068.9	3740098	0.000234	0	0.000234	2.29599E-05
1510	419068.98	3740107	9.44E-05	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-05	2.35E-04	0.00E+00	0.00E+00	1.19E-05	2.30E-05	0.00E+00	0.00E+00	419069	3740107	0.000235	0	0.000235	2.30285E-05
1511	419069.03	3740117	9.46E-05	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	2.36E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00	419069	3740117	0.000236	0	0.000236	2.30892E-05
1512	419069.09	3740126	9.48E-05	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	2.36E-04	0.00E+00	0.00E+00	1.19E-05	2.31E-05	0.00E+00	0.00E+00	419069.1	3740126	0.000236	0	0.000236	2.3143E-05
1513	420075.77	3740139	9.34E-03	2.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-03	2.33E-02	0.00E+00	0.00E+00	1.18E-03	2.28E-03	0.00E+00	0.00E+00	420075.8	3740139	0.023287	0	0.023287	0.002280227
1514	420085.11	3740136	1.21E-02	3.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-02	3.02E-02	0.00E+00	0.00E+00	1.52E-03	2.95E-03	0.00E+00	0.00E+00	420085.1	3740136	0.030156	0	0.030156	0.002952829
1515	420094.46	3740133	1.58E-02	3.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	3.93E-02	0.00E+00	0.00E+00	1.98E-03	3.85E-03	0.00E+00	0.00E+00	420094.5	3740133	0.039301	0	0.039301	0.003848294
1516	420103.81	3740129	1.98E-02	4.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-02	4.94E-02	0.00E+00	0.00E+00	2.49E-03	4.84E-03	0.00E+00	0.00E+00	420103.8	3740129	0.049384	0	0.049384	0.004835606
1517	420113.16	3740126	2.35E-02	5.85E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-02	5.85E-02	0.00E+00	0.00E+00	2.95E-03	5.72E-03	0.00E+00	0.00E+00	420113.2	3740126	0.05845	0	0.05845	0.005723335
1518	420122.51	3740123	2.65E-02	6.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-02	6.59E-02	0.00E+00	0.00E+00	3.33E-03	6.46E-03	0.00E+00	0.00E+00	420122.5	3740123	0.065931	0	0.065931	0.006455863
1519	420131.86	3740119	2.88E-02	7.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-02	7.18E-02	0.00E+00	0.00E+00	3.62E-03	7.03E-03	0.00E+00	0.00E+00	420131.9	3740119	0.071783	0	0.071783	0.007028882
1520	420141.21	3740116	3.03E-02	7.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-02	7.56E-02	0.00E+00	0.00E+00	3.81E-03	7.40E-03	0.00E+00	0.00E+00	420141.2	3740116	0.0756	0	0.0756	0.007402637
1521	420150.56	3740113	3.13E-02	7.79E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-02	7.79E-02	0.00E+00	0.00E+00	3.93E-03	7.63E-03	0.00E+00	0.00E+00	420150.6	3740113	0.077902	0	0.077902	0.007628045
1522	420159.91	3740109	3.20E-02	7.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-02	7.98E-02	0.00E+00	0.00E+00	4.02E-03	7.81E-03	0.00E+00	0.00E+00	420159.9	3740109	0.079758	0	0.079758	0.007809782
1523	420169.26	3740106	3.23E-02	8.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-02	8.06E-02	0.00E+00	0.00E+00	4.07E-03	7.89E-03	0.00E+00	0.00E+00	420169.3	3740106	0.080581	0	0.080581	0.007890369
1524	420178.61	3740103	3.22E-02	8.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-02	8.03E-02	0.00E+00	0.00E+00	4.05E-03	7.86E-03	0.00E+00	0.00E+00	420178.6	3740103	0.080276	0	0.080276	0.007860503
1525	420187.96	3740099	3.16E-02	7.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-02	7.87E-02	0.00E+00	0.00E+00	3.97E-03	7.70E-03	0.00E+00	0.00E+00	420188	3740099	0.078651	0	0.078651	0.007701386
1526	420197.31	3740096	3.04E-02	7.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-02	7.58E-02	0.00E+00	0.00E+00	3.83E-03	7.43E-03	0.00E+00	0.00E+00	420197.3	3740096	0.075845	0	0.075845	0.007426627
1527	420206.66	3740093	2.85E-02	7.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-02	7.10E-02	0.00E+00	0.00E+00	3.58E-03	6.95E-03	0.00E+00	0.00E+00	420206.7	3740093	0.070968	0	0.070968	0.006949078
1528	420070.02	3740148	7.31E-03	1.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-03	1.82E-02	0.00E+00	0.00E+00	9.20E-04	1.79E-03	0.00E+00	0.00E+00	420070	3740148	0.018231	0	0.018231	0.001785152
1529	420060.93	3740146	6.49E-03	1.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-03	1.62E-02	0.00E+00	0.00E+00	8.16E-04	1.58E-03	0.00E+00	0.00E+00	420060.9	3740146	0.016172	0	0.016172	0.001583538
1530	420079.11	3740149	8.30E-03	2.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-03	2.07E-02	0.00E+00	0.00E+00	1.04E-03	2.03E-03	0.00E+00	0.00E+00	420079.1	3740149	0.020697	0	0.020697	0.002026619
1531	420088.46	3740145	1.04E-02	2.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-02	2.59E-02	0.00E+00	0.00E+00	1.31E-03	2.54E-03	0.00E+00	0.00E+00	420088.5	3740145	0.025916	0	0.025916	0.002537655
1532	420097.81	3740142	1.30E-02	3.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-02	3.24E-02	0.00E+00	0.00E+00	1.63E-03	3.17E-03	0.00E+00	0.00E+00	420097.8	3740142	0.032381	0	0.032381	0.003170698
1533	420107.16	3740139	1.58E-02	3.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	3.95E-02	0.00E+00	0.00E+00	1.99E-03	3.86E-03	0.00E+00	0.00E+00	420107.2	3740139	0.03947	0	0.03947	0.003864842
1534	420116.51	3740135	1.86E-02	4.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-02	4.63E-02	0.00E+00	0.00E+00	2.34E-03	4.53E-03	0.00E+00	0.00E+00	420116.5	3740135	0.046297	0	0.046297	0.004533332
1535	420125.86	3740132	2.09E-02	5.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-02	5.22E-02	0.00E+00	0.00E+00	2.63E-03	5.11E-03	0.00E+00	0.00E+00	420125.9	3740132	0.052155	0	0.052155	0.005106938
1536	420135.21	3740129	2.27E-02	5.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-02	5.67E-02	0.00E+00	0.00E+00	2.86E-03	5.55E-03	0.00E+00	0.00E+00	420135.2	3740129	0.056675	0	0.056675	0.005549529
1537	420144.56	3740125	2.41E-02	6.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-02	6.00E-02	0.00E+00	0.00E+00	3.03E-03	5.88E-03	0.00E+00	0.00E+00	420144.6	3740125	0.060031	0	0.060031	0.005878144
1538	420153.91	3740122	2.51E-02	6.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-02	6.24E-02	0.00E+00	0.00E+00	3.15E-03	6.11E-03	0.00E+00	0.00E+00	420153.9	3740122	0.062449	0	0.062449	0.006114911
1539	420163.26	3740119	2.58E-02	6.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-02	6.42E-02	0.00E+00	0.00E+00	3.24E-03	6.29E-03	0.00E+00	0.00E+00	420163.3	3740119	0.064199	0	0.064199	0.006286268
1540	420172.61	3740116	2.61E-02	6.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-02	6.51E-02	0.00E+00	0.00E+00	3.29E-03	6.38E-03	0.00E+00	0.00E+00	420172.6	3740116	0.065149	0	0.065149	0.006379291
1541	420181.96	3740112	2.62E-02	6.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-02	6.52E-02	0.00E+00	0.00E+00	3.29E-03	6.39E-03	0.00E+00	0.00E+00	420182	3740112	0.065208	0	0.065208	0.006385068
1542	420191.3	3740109	2.58E-02	6.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-02	6.43E-02	0.00E+00	0.00E+00	3.24E-03	6.29E-03	0.00E+00	0.00E+00	420191.3	3740109	0.064279	0	0.064279	0.006294102
1543	420200.65	3740106	2.50E-02	6.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-02	6.22E-02	0.00E+00	0.00E+00	3.14E-03	6.09E-03	0.00E+00	0.00E+00	420200.7	3740106	0.062227	0	0.062227	0.006093173
1544	420073.37	3740157	6.61E-03	1.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-03	1.65E-02	0.00E+00	0.00E+00	8.32E-04	1.61E-03	0.00E+00	0.00E+00	420073.4	3740157	0.016479	0	0.016479	0.001613599
1545

1614	420111.2	3740180	6.96E-03	1.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-03	1.73E-02	0.00E+00	0.00E+00	8.75E-04	1.70E-03	0.00E+00	0.00E+00	420111.2	3740180	0.017349	0	0.017349	0.001698788
1615	420120.55	3740176	7.93E-03	1.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-03	1.98E-02	0.00E+00	0.00E+00	9.98E-04	1.94E-03	0.00E+00	0.00E+00	420120.6	3740176	0.01977	0	0.01977	0.001935848
1616	420129.9	3740173	8.94E-03	2.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-03	2.23E-02	0.00E+00	0.00E+00	1.12E-03	2.18E-03	0.00E+00	0.00E+00	420129.9	3740173	0.022289	0	0.022289	0.002182505
1617	420139.25	3740170	9.91E-03	2.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-03	2.47E-02	0.00E+00	0.00E+00	1.25E-03	2.42E-03	0.00E+00	0.00E+00	420139.3	3740170	0.024702	0	0.024702	0.002418782
1618	420148.6	3740167	1.08E-02	2.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-02	2.69E-02	0.00E+00	0.00E+00	1.36E-03	2.63E-03	0.00E+00	0.00E+00	420148.6	3740167	0.026874	0	0.026874	0.002631461
1619	420157.95	3740163	1.17E-02	2.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-02	2.91E-02	0.00E+00	0.00E+00	1.47E-03	2.85E-03	0.00E+00	0.00E+00	420158	3740163	0.029069	0	0.029069	0.002846392
1620	420167.3	3740160	1.23E-02	3.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-02	3.08E-02	0.00E+00	0.00E+00	1.55E-03	3.01E-03	0.00E+00	0.00E+00	420167.3	3740160	0.030763	0	0.030763	0.003012266
1621	420176.65	3740157	1.28E-02	3.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02	3.19E-02	0.00E+00	0.00E+00	1.61E-03	3.12E-03	0.00E+00	0.00E+00	420176.7	3740157	0.03188	0	0.03188	0.003121641
1622	420186	3740153	1.31E-02	3.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-02	3.27E-02	0.00E+00	0.00E+00	1.65E-03	3.20E-03	0.00E+00	0.00E+00	420186	3740153	0.032687	0	0.032687	0.003200661
1623	420195.35	3740150	1.33E-02	3.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-02	3.31E-02	0.00E+00	0.00E+00	1.67E-03	3.24E-03	0.00E+00	0.00E+00	420195.4	3740150	0.033123	0	0.033123	0.003243354
1624	420204.69	3740147	1.33E-02	3.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-02	3.31E-02	0.00E+00	0.00E+00	1.67E-03	3.24E-03	0.00E+00	0.00E+00	420204.7	3740147	0.033114	0	0.033114	0.003242472
1625	420086.76	3740195	4.47E-03	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-03	1.11E-02	0.00E+00	0.00E+00	5.62E-04	1.09E-03	0.00E+00	0.00E+00	420086.8	3740195	0.011135	0	0.011135	0.001090322
1626	420077.67	3740193	4.17E-03	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-03	1.04E-02	0.00E+00	0.00E+00	5.24E-04	1.02E-03	0.00E+00	0.00E+00	420077.7	3740193	0.010387	0	0.010387	0.001017079
1627	420068.57	3740192	3.89E-03	9.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03	9.70E-03	0.00E+00	0.00E+00	4.89E-04	9.50E-04	0.00E+00	0.00E+00	420068.6	3740192	0.009699	0	0.009699	0.000949682
1628	420059.48	3740191	3.64E-03	9.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-03	9.08E-03	0.00E+00	0.00E+00	4.58E-04	8.89E-04	0.00E+00	0.00E+00	420059.5	3740191	0.009083	0	0.009083	0.000889423
1629	420050.39	3740190	3.42E-03	8.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	8.53E-03	0.00E+00	0.00E+00	4.31E-04	8.36E-04	0.00E+00	0.00E+00	420050.4	3740190	0.008535	0	0.008535	0.000835705
1630	420041.3	3740188	3.23E-03	8.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03	8.05E-03	0.00E+00	0.00E+00	4.06E-04	7.88E-04	0.00E+00	0.00E+00	420041.3	3740188	0.008046	0	0.008046	0.000787852
1631	420032.2	3740187	3.05E-03	7.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-03	7.60E-03	0.00E+00	0.00E+00	3.84E-04	7.44E-04	0.00E+00	0.00E+00	420032.2	3740187	0.007603	0	0.007603	0.000744484
1632	420018.86	3740178	3.00E-03	7.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03	7.47E-03	0.00E+00	0.00E+00	3.77E-04	7.32E-04	0.00E+00	0.00E+00	420018.9	3740178	0.007472	0	0.007472	0.000731666
1633	420014.6	3740170	3.10E-03	7.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	7.72E-03	0.00E+00	0.00E+00	3.90E-04	7.56E-04	0.00E+00	0.00E+00	420014.6	3740170	0.00772	0	0.00772	0.00075595
1634	420010.35	3740162	3.18E-03	7.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-03	7.92E-03	0.00E+00	0.00E+00	4.00E-04	7.76E-04	0.00E+00	0.00E+00	420010.4	3740162	0.007924	0	0.007924	0.000775886
1635	419997.58	3740137	3.31E-03	8.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-03	8.25E-03	0.00E+00	0.00E+00	4.16E-04	8.08E-04	0.00E+00	0.00E+00	419997.6	3740137	0.008252	0	0.008252	0.000808062
1636	419993.33	3740129	3.29E-03	8.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03	8.21E-03	0.00E+00	0.00E+00	4.14E-04	8.04E-04	0.00E+00	0.00E+00	419993.3	3740129	0.008211	0	0.008211	0.000804048
1637	420095.85	3740196	4.78E-03	1.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-03	1.19E-02	0.00E+00	0.00E+00	6.01E-04	1.17E-03	0.00E+00	0.00E+00	420095.9	3740196	0.011917	0	0.011917	0.001166894
1638	420105.2	3740193	5.43E-03	1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-03	1.35E-02	0.00E+00	0.00E+00	6.83E-04	1.33E-03	0.00E+00	0.00E+00	420105.2	3740193	0.013532	0	0.013532	0.001325033
1639	420114.55	3740189	6.15E-03	1.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-03	1.53E-02	0.00E+00	0.00E+00	7.73E-04	1.50E-03	0.00E+00	0.00E+00	420114.6	3740189	0.015325	0	0.015325	0.001500601
1640	420123.9	3740186	6.95E-03	1.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-03	1.73E-02	0.00E+00	0.00E+00	8.74E-04	1.70E-03	0.00E+00	0.00E+00	420123.9	3740186	0.017323	0	0.017323	0.001696242
1641	420133.25	3740183	7.79E-03	1.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-03	1.94E-02	0.00E+00	0.00E+00	9.80E-04	1.90E-03	0.00E+00	0.00E+00	420133.3	3740183	0.019428	0	0.019428	0.00190236
1642	420142.6	3740179	8.62E-03	2.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-03	2.15E-02	0.00E+00	0.00E+00	1.08E-03	2.10E-03	0.00E+00	0.00E+00	420142.6	3740179	0.021473	0	0.021473	0.002102603
1643	420151.95	3740176	9.39E-03	2.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-03	2.34E-02	0.00E+00	0.00E+00	1.18E-03	2.29E-03	0.00E+00	0.00E+00	420152	3740176	0.023397	0	0.023397	0.002290999
1644	420161.3	3740173	1.01E-02	2.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-02	2.52E-02	0.00E+00	0.00E+00	1.27E-03	2.47E-03	0.00E+00	0.00E+00	420161.3	3740173	0.025198	0	0.025198	0.00246735
1645	420170.64	3740169	1.07E-02	2.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-02	2.66E-02	0.00E+00	0.00E+00	1.34E-03	2.61E-03	0.00E+00	0.00E+00	420170.6	3740169	0.026606	0	0.026606	0.002605219
1646	420179.99	3740166	1.11E-02	2.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-02	2.76E-02	0.00E+00	0.00E+00	1.39E-03	2.71E-03	0.00E+00	0.00E+00	420180	3740166	0.027626	0	0.027626	0.002705096
1647	420189.34	3740163	1.14E-02	2.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-02	2.84E-02	0.00E+00	0.00E+00	1.43E-03	2.78E-03	0.00E+00	0.00E+00	420189.3	3740163	0.028371	0	0.028371	0.002778045
1648	420198.69	3740159	1.16E-02	2.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	2.88E-02	0.00E+00	0.00E+00	1.45E-03	2.82E-03	0.00E+00	0.00E+00	420198.7	3740159	0.028801	0	0.028801	0.00282015
1649	420208.04	3740156	1.16E-02	2.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	2.89E-02	0.00E+00	0.00E+00	1.46E-03	2.83E-03	0.00E+00	0.00E+00	420208	3740156	0.028894	0	0.028894	0.002829256
1650	420090.11	3740204	4.09E-03	1.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-03	1.02E-02	0.00E+00	0.00E+00	5.14E-04	9.98E-04	0.00E+00	0.00E+00	420090.1	3740204	0.010196	0	0.010196	0.000998377
1651	420081.01	3740203	3.83E-03	9.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-03	9.56E-03	0.00E+00	0.00E+00	4.82E-04	9.36E-04	0.00E+00	0.00E+00	420081	3740203	0.009555	0	0.009555	0.00093565
1652	420071.92	3740202	3.59E-03	8.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03	8.96E-03	0.00E+00	0.00E+00	4.52E-04	8.77E-04	0.00E+00	0.00E+00	420071.9	3740202	0.008958	0	0.008958	0.000877183
1653	420062.83	3740200	3.38E-03	8.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03	8.42E-03	0.00E+00	0.00E+00	4.25E-04	8.24E-04	0.00E+00	0.00E+00	420062.8	3740200	0.008418	0	0.008418	0.000824248
1654	420053.74	3740199	3.19E-03	7.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03	7.94E-03	0.00E+00	0.00E+00	4.01E-04	7.78E-04	0.00E+00	0.00E+00	420053.7	3740199	0.00794	0	0.00794	0.000777502
1655	420044.64	3740198	3.01E-03	7.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-03	7.51E-03	0.00E+00	0.00E+00	3.79E-04	7.36E-04	0.00E+00	0.00E+00	420044.6	3740198	0.007514	0	0.007514	0.00073571
1656	420035.55	3740197	2.86E-03	7.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-03	7.13E-03	0.00E+00	0.00E+00	3.60E-04	6.98E-04	0.00E+00	0.00E+00	420035.6	3740197	0.007129	0	0.007129	0.000698022
1657	420026.46	3740195	2.72E-03	6.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-03	6.78E-03	0.00E+00	0.00E+00	3.42E-04	6.64E-04	0.00E+00	0.00E+00	420026.5	3740195	0.006776	0	0.006776	0.000663535
1658	420013.11	3740186	2.69E-03	6.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	6.70E-03	0.00E+00	0.00E+00	3.38E-04	6.56E-04	0.00E+00	0.00E+00	420013.1	3740186	0.0067	0	0.0067	0.000656093
1659	420008.86	3740178	2.78E-03	6.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	6.93E-03	0.00E+00	0.00E+00	3.50E-04	6.78E-04	0.00E+00	0.00E+00	420008.9	3740178	0.006927	0	0.006927	0.000678281
1660	420004.6	3740170	2.86E-03	7.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-03	7.12E-03	0.00E+00	0.00E+00	3.59E-04	6.97E-04	0.00E+00	0.00E+00	420004.6	3740170	0.007121	0	0.007121	0.000697268
1661	419991.84	3740145	3.00E-03	7.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03	7.47E-03	0.00E+00	0.00E+00	3.77E-04	7.31E-04	0.00E+00	0.00E+00	419991.8	3740145	0.007465	0	0.007465	0.000730961
1662	419987.58	3740137	2.99E-03	7.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03	7.46E-03	0.00E+00	0.00E+00	3.76E-04	7.30E-04	0.00E+00	0.00E+00	419987.6	3740137	0.007456	0	0.007456	0.00073008
1663	419983.33	3740129	2.96E-03	7.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	7.38E-03	0.00E+00	0.00E+00	3.72E-04	7.22E-04	0.00E+00	0.00E+00	419983.3	3740129	0.007376	0	0.007376	0.000722286
1664	420099.2	3740205	4.36E-03	1.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-03	1.09E-02	0.00E+00	0.00E+00	5.48E-04	1.06E-03	0.00E+00	0.00E+00	420099.2	3740205	0.010862	0	0.010862	0.00106359
1665	420108.55	3740202	4.91E-03	1.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-03	1.22E-02	0.00E+00	0.00E+00	6.18E-04	1.20E-03	0.00E+00	0.00E+00	420108.6	3740202	0.012241	0	0.012241	0.00119862
1666	420117.9	3740199	5.52E-03	1.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-03	1.37E-02	0.00E+00	0.00E+00	6.94E-04	1.35E-03	0.00E+00	0.00E+00	420117.9	3740199	0.013747	0	0.013747	0.001346085
1667	420127.25	3740195	6.18E-03	1.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-03	1.54E-02	0.00E+00	0.00E+00	7.78E-04	1.51E-03	0.00E+00	0.00E+00	420127.3	3740195	0.015411	0	0.015411	0.001509022
1668	420136.6	3740192	6.88E-03	1.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-03	1.72E-02	0.00E+00	0.00E+00	8.66E-04	1.68E-03	0.00E+00	0.00E+00	420136.6	3740192	0.017157	0	0.017157	0.001679987
1669	420145.94	3740189	7.58E-03	1.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-03	1.89E-02	0.00E+00	0.00E+00	9.54E-04	1.85E-03	0.00E+00	0.00E+00	420145.9	3740189	0.018897	0	0.018897	0.001850365
1670	420155.29	3740185	8.25E-03	2.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-03	2.06E-02	0.00E+00	0.00E+00	1.04E-03	2.01E-03	0.00E+00	0.00E+00	420155.3	3740185	0.020553	0	0.020553	0.002012518
1671	420164.64	3740182	8.84E-03	2.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-03	2.20E-02	0.00E+00	0.00E+00	1.11E-03	2.16E-03	0.00E+00	0.00E+00	420164.6	3740182	0.022028	0	0.022028	0.002156948
1672	420173.99	3740179	9.33E-03	2.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-03	2.33E-02	0.00E+00	0.00E+00	1.17E-03	2.28E-03	0.00E+00	0.00E+00	420174	3740179	0.023259	0	0.023259	0.002277486
1673	420183.34	3740175	9.72E-03	2.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-03	2.42E-02	0.00E+00	0.00E+00	1.22E-03	2.37E-03	0.00E+00	0.00E+00	420183.3	3740175	0.024215	0	0.024215	0.002371096
1674	420192.69	3740172	9.99E-03	2.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-03	2.49E-02	0.00E+00	0.00E+00	1.26E-03	2.44E-03	0.00E+00	0.00E+00	420192.7	3740172	0.024894	0	0.024894	0.002437582
1675	420202.04	3740169	1.01E-02	2.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-02	2.53E-02	0.00E+00	0.00E+00	1.28E-03	2.48E-03	0.00E+00	0.00E+00	420202	3740169	0.025293	0	0.025293	0.002476652
1676	420239.44	3740155	9.65E-03	2.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-03	2.41E-02	0.00E+00	0.00E+00	1.21E-03	2.36E-03	0.00E+00	0.00E+00	420239.4	3740155	0.024052	0	0.024052	0.002355135
1677	420093.45	3740213	3.76E-03	9.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-03	9.37E-03	0.00E+00	0.00E+00	4.73E-04	9.18E-04	0.00E+00	0.00E+00	420093.5	3740213	0.009371	0	0.009371	0.000917545
1678	420084.36	3740212	3.53E-03	8.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-03	8.81E-03	0.00E+00	0.00E+00	4.44E-04	8.62E-04	0.00E+00	0.00E+00	420084.4	3740212	0.008808	0	0.008808	0.000862456
1679	420075.27	3740211	3.32E-03	8.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03	8.28E-03	0.00E+00	0.00E+00	4.18E-04	8.11E-04	0.00E+00	0.00E+00	420075.3	3740211	0.008284	0	0.008284	0.000811147
1680	420066.18	3740210	3.13E-03	7.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-03	7.81E-03	0.00E+00	0.00E+00	3.94E-04	7.64E-04	0.00E+00	0.00E+00	420066.2	3740210	0.007807	0	0.007807	0.000764469
1681	420057.08	3740209	2.96E-03	7.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	7.38E-03	0.00E+00	0.00E+00	3.72E-04	7.23E-04	0.00E+00	0.00E+00	420057.1	3740209	0.007382	0	0.007382	0.000722795
1682	420047.99	3740207	2.81E-03	7.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	7.01E-03	0.00E+00	0.00E+00	3.53E-04	6.86E-04	0.00E+00	0.00E+00	420048	3740207	0.007006	0	0.007006	0.000685978
1683	420038.9	3740206	2.67E-03	6.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	6.67E-03	0.00E+00	0.00E+00	3.36E-04	6.53E-04	0.00E+00	0.00E+00	420038.9	3740206	0.006666	0	0.006666	0.000652744
1684	420029.81	3740205	2.55E-03	6.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03	6.36E-03	0.00E+00	0.00E+00	3.21E-04	6.23E-04	0.00E+00	0.00E+00	420029.8	3740205	0.006358	0	0.006358	0.000622517
1685	420020.71	3740204	2.44E-03	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03	6.07E-03	0.00E+00	0.00E+00	3.06E-04	5.95E-04	0.00E+00	0.00E+00	420020.7	3740204	0.006074	0	0.006074	0.000594737
1686	420007.37	3740194	2.42E-03	6.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	6.04E-03	0.00E+00	0.00E+00	3.05E-04	5.91E-04	0.00E+00	0.00E+00	420007.4	3740194	0.006037	0	0.006037	0.000591163
1687	420003.11	3740186	2.51E-03	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	6.25E-03	0.00E+00	0.00E+00	3.15E-04	6.12E-04	0.00E+00	0.00E+00	420003.1	3740186	0.006249	0	0.006249	0.000611912
1688	419998.86	3740178	2.58E-03	6.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03	6.43E-03	0.00E+00	0.00E+00	3.25E-04	6.30E-04	0.00E+00	0.00E+00	419998.9	3740178	0.006432	0	0.006432	0.000629821
1689	419994.6	3740170	2.64E-03	6.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-03	6.59E-03	0.00E+00	0.00E+00	3.32E-04	6.45E-04	0.00E+00	0.00E+00	419994.6	3740170	0.006587	0	0.006587	0.000644979
1690	419981.84	3740145	2.73E-03	6.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03	6.81E-03	0.00E+00	0.00E+00	3.44E-04	6.67E-04	0.00E+00	0.00E+00	419981.8	3740145	0.006808	0	0.006808	0.00066659
1691	419977.58	3740137	2.71E-03	6.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03	6.76E-03	0.00E+00	0.00E+00	3.41E-04	6.62E-04	0.00E+00	0.00E+00	419977.6	3740137	0.006763	0	0.006763	0.000662193
1692	419973.33	3740129	2.67E-03	6.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1761	420115.94	3740252	2.92E-03	7.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03	7.28E-03	0.00E+00	0.00E+00	3.67E-04	7.13E-04	0.00E+00	0.00E+00	420115.9	3740252	0.00728	0	0.00728	0.000712817
1762	420125.28	3740249	3.20E-03	7.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03	7.98E-03	0.00E+00	0.00E+00	4.03E-04	7.81E-04	0.00E+00	0.00E+00	420125.3	3740249	0.007978	0	0.007978	0.000781203
1763	420134.63	3740246	3.50E-03	8.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-03	8.73E-03	0.00E+00	0.00E+00	4.40E-04	8.55E-04	0.00E+00	0.00E+00	420134.6	3740246	0.008728	0	0.008728	0.000854603
1764	420143.98	3740242	3.82E-03	9.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03	9.52E-03	0.00E+00	0.00E+00	4.80E-04	9.32E-04	0.00E+00	0.00E+00	420144	3740242	0.009518	0	0.009518	0.000931939
1765	420153.33	3740239	4.14E-03	1.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-03	1.03E-02	0.00E+00	0.00E+00	5.21E-04	1.01E-03	0.00E+00	0.00E+00	420153.3	3740239	0.010317	0	0.010317	0.001010225
1766	420162.68	3740236	4.45E-03	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-03	1.11E-02	0.00E+00	0.00E+00	5.60E-04	1.09E-03	0.00E+00	0.00E+00	420162.7	3740236	0.01109	0	0.01109	0.001085916
1767	420172.03	3740232	4.75E-03	1.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-03	1.18E-02	0.00E+00	0.00E+00	5.97E-04	1.16E-03	0.00E+00	0.00E+00	420172	3740232	0.011833	0	0.011833	0.001158669
1768	420181.38	3740229	5.03E-03	1.25E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-03	1.25E-02	0.00E+00	0.00E+00	6.32E-04	1.23E-03	0.00E+00	0.00E+00	420181.4	3740229	0.012528	0	0.012528	0.001226723
1769	420190.73	3740226	5.30E-03	1.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-03	1.32E-02	0.00E+00	0.00E+00	6.67E-04	1.29E-03	0.00E+00	0.00E+00	420190.7	3740226	0.013216	0	0.013216	0.001294091
1770	420200.08	3740223	5.54E-03	1.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-03	1.38E-02	0.00E+00	0.00E+00	6.97E-04	1.35E-03	0.00E+00	0.00E+00	420200.1	3740223	0.013816	0	0.013816	0.001352842
1771	420237.48	3740209	6.03E-03	1.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-03	1.50E-02	0.00E+00	0.00E+00	7.58E-04	1.47E-03	0.00E+00	0.00E+00	420237.5	3740209	0.015029	0	0.015029	0.001471617
1772	420246.83	3740206	6.02E-03	1.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-03	1.50E-02	0.00E+00	0.00E+00	7.58E-04	1.47E-03	0.00E+00	0.00E+00	420246.8	3740206	0.015015	0	0.015015	0.001470246
1773	420256.18	3740203	5.97E-03	1.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-03	1.49E-02	0.00E+00	0.00E+00	7.51E-04	1.46E-03	0.00E+00	0.00E+00	420256.2	3740203	0.014882	0	0.014882	0.001457223
1774	420112.93	3740270	2.44E-03	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03	6.08E-03	0.00E+00	0.00E+00	3.07E-04	5.96E-04	0.00E+00	0.00E+00	420112.9	3740270	0.006083	0	0.006083	0.000595618
1775	420103.23	3740269	2.33E-03	5.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	5.80E-03	0.00E+00	0.00E+00	2.92E-04	5.68E-04	0.00E+00	0.00E+00	420103.2	3740269	0.005796	0	0.005796	0.000567575
1776	420093.53	3740267	2.21E-03	5.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	5.52E-03	0.00E+00	0.00E+00	2.78E-04	5.40E-04	0.00E+00	0.00E+00	420093.5	3740267	0.005519	0	0.005519	0.000540392
1777	420083.84	3740266	2.11E-03	5.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	5.26E-03	0.00E+00	0.00E+00	2.66E-04	5.15E-04	0.00E+00	0.00E+00	420083.8	3740266	0.005263	0	0.005263	0.000515384
1778	420074.14	3740265	2.02E-03	5.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	5.03E-03	0.00E+00	0.00E+00	2.54E-04	4.92E-04	0.00E+00	0.00E+00	420074.1	3740265	0.005028	0	0.005028	0.000492285
1779	420064.44	3740263	1.93E-03	4.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	4.81E-03	0.00E+00	0.00E+00	2.43E-04	4.71E-04	0.00E+00	0.00E+00	420064.4	3740263	0.004808	0	0.004808	0.000470831
1780	420054.74	3740262	1.85E-03	4.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	4.61E-03	0.00E+00	0.00E+00	2.33E-04	4.51E-04	0.00E+00	0.00E+00	420054.7	3740262	0.004609	0	0.004609	0.000451277
1781	420045.04	3740261	1.78E-03	4.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	4.43E-03	0.00E+00	0.00E+00	2.23E-04	4.34E-04	0.00E+00	0.00E+00	420045	3740261	0.004427	0	0.004427	0.000433514
1782	420035.34	3740259	1.71E-03	4.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	4.26E-03	0.00E+00	0.00E+00	2.15E-04	4.17E-04	0.00E+00	0.00E+00	420035.3	3740259	0.004262	0	0.004262	0.00041728
1783	420025.64	3740258	1.65E-03	4.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	4.11E-03	0.00E+00	0.00E+00	2.07E-04	4.02E-04	0.00E+00	0.00E+00	420025.6	3740258	0.004109	0	0.004109	0.000402337
1784	420015.95	3740257	1.59E-03	3.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	3.97E-03	0.00E+00	0.00E+00	2.00E-04	3.88E-04	0.00E+00	0.00E+00	420016	3740257	0.003966	0	0.003966	0.000388296
1785	420006.25	3740255	1.54E-03	3.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	3.83E-03	0.00E+00	0.00E+00	1.93E-04	3.75E-04	0.00E+00	0.00E+00	420006.3	3740255	0.003831	0	0.003831	0.000375087
1786	419996.55	3740254	1.48E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	3.70E-03	0.00E+00	0.00E+00	1.87E-04	3.62E-04	0.00E+00	0.00E+00	419996.6	3740254	0.0037	0	0.0037	0.000362308
1787	419986.85	3740253	1.43E-03	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	3.58E-03	0.00E+00	0.00E+00	1.80E-04	3.50E-04	0.00E+00	0.00E+00	419986.9	3740253	0.003576	0	0.003576	0.000350127
1788	419972.61	3740243	1.43E-03	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	3.57E-03	0.00E+00	0.00E+00	1.80E-04	3.50E-04	0.00E+00	0.00E+00	419972.6	3740243	0.003572	0	0.003572	0.000349735
1789	419968.07	3740234	1.48E-03	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	3.69E-03	0.00E+00	0.00E+00	1.86E-04	3.61E-04	0.00E+00	0.00E+00	419968.1	3740234	0.00369	0	0.00369	0.000361339
1790	419963.54	3740225	1.53E-03	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	3.81E-03	0.00E+00	0.00E+00	1.92E-04	3.73E-04	0.00E+00	0.00E+00	419963.5	3740225	0.003807	0	0.003807	0.000372795
1791	419959	3740217	1.57E-03	3.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	3.92E-03	0.00E+00	0.00E+00	1.98E-04	3.83E-04	0.00E+00	0.00E+00	419959	3740217	0.003915	0	0.003915	0.00038338
1792	419954.46	3740208	1.61E-03	4.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	4.01E-03	0.00E+00	0.00E+00	2.02E-04	3.93E-04	0.00E+00	0.00E+00	419954.5	3740208	0.00401	0	0.00401	0.000392643
1793	419949.92	3740199	1.64E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	4.09E-03	0.00E+00	0.00E+00	2.06E-04	4.00E-04	0.00E+00	0.00E+00	419949.9	3740199	0.00409	0	0.00409	0.000400457
1794	419945.38	3740191	1.67E-03	4.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	4.15E-03	0.00E+00	0.00E+00	2.09E-04	4.06E-04	0.00E+00	0.00E+00	419945.4	3740191	0.00415	0	0.00415	0.000406371
1795	419931.77	3740165	1.68E-03	4.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	4.19E-03	0.00E+00	0.00E+00	2.11E-04	4.10E-04	0.00E+00	0.00E+00	419931.8	3740165	0.004186	0	0.004186	0.000409857
1796	419927.23	3740156	1.67E-03	4.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	4.15E-03	0.00E+00	0.00E+00	2.10E-04	4.07E-04	0.00E+00	0.00E+00	419927.2	3740156	0.004154	0	0.004154	0.000406744
1797	419922.69	3740147	1.65E-03	4.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	4.11E-03	0.00E+00	0.00E+00	2.07E-04	4.02E-04	0.00E+00	0.00E+00	419922.7	3740147	0.00411	0	0.00411	0.000402396
1798	419918.15	3740139	1.62E-03	4.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	4.05E-03	0.00E+00	0.00E+00	2.04E-04	3.96E-04	0.00E+00	0.00E+00	419918.2	3740139	0.004046	0	0.004046	0.000396149
1799	419913.61	3740130	1.59E-03	3.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	3.96E-03	0.00E+00	0.00E+00	2.00E-04	3.88E-04	0.00E+00	0.00E+00	419913.6	3740130	0.003965	0	0.003965	0.000388208
1800	420122.63	3740271	2.56E-03	6.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	6.37E-03	0.00E+00	0.00E+00	3.21E-04	6.24E-04	0.00E+00	0.00E+00	420122.6	3740271	0.006371	0	0.006371	0.000623878
1801	420131.98	3740268	2.78E-03	6.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	6.93E-03	0.00E+00	0.00E+00	3.49E-04	6.78E-04	0.00E+00	0.00E+00	420132	3740268	0.006926	0	0.006926	0.000678174
1802	420141.33	3740265	3.02E-03	7.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	7.51E-03	0.00E+00	0.00E+00	3.79E-04	7.36E-04	0.00E+00	0.00E+00	420141.3	3740265	0.007515	0	0.007515	0.000735818
1803	420150.68	3740261	3.26E-03	8.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-03	8.13E-03	0.00E+00	0.00E+00	4.10E-04	7.96E-04	0.00E+00	0.00E+00	420150.7	3740261	0.008126	0	0.008126	0.000795725
1804	420160.03	3740258	3.50E-03	8.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-03	8.73E-03	0.00E+00	0.00E+00	4.40E-04	8.54E-04	0.00E+00	0.00E+00	420160	3740258	0.008725	0	0.008725	0.000854348
1805	420169.38	3740255	3.74E-03	9.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-03	9.32E-03	0.00E+00	0.00E+00	4.70E-04	9.13E-04	0.00E+00	0.00E+00	420169.4	3740255	0.009321	0	0.009321	0.000912688
1806	420178.73	3740251	3.97E-03	9.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03	9.90E-03	0.00E+00	0.00E+00	4.99E-04	9.69E-04	0.00E+00	0.00E+00	420178.7	3740251	0.009897	0	0.009897	0.000969119
1807	420188.08	3740248	4.21E-03	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-03	1.05E-02	0.00E+00	0.00E+00	5.29E-04	1.03E-03	0.00E+00	0.00E+00	420188.1	3740248	0.010491	0	0.010491	0.001027263
1808	420197.43	3740245	4.43E-03	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-03	1.10E-02	0.00E+00	0.00E+00	5.57E-04	1.08E-03	0.00E+00	0.00E+00	420197.4	3740245	0.011048	0	0.011048	0.001081803
1809	420206.77	3740241	4.63E-03	1.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-03	1.15E-02	0.00E+00	0.00E+00	5.82E-04	1.13E-03	0.00E+00	0.00E+00	420206.8	3740241	0.011543	0	0.011543	0.001130273
1810	420244.17	3740228	5.09E-03	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-03	1.27E-02	0.00E+00	0.00E+00	6.40E-04	1.24E-03	0.00E+00	0.00E+00	420244.2	3740228	0.012681	0	0.012681	0.001241704
1811	420253.52	3740225	5.10E-03	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-03	1.27E-02	0.00E+00	0.00E+00	6.42E-04	1.25E-03	0.00E+00	0.00E+00	420253.5	3740225	0.012721	0	0.012721	0.001245621
1812	420262.87	3740221	5.08E-03	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-03	1.27E-02	0.00E+00	0.00E+00	6.39E-04	1.24E-03	0.00E+00	0.00E+00	420262.9	3740221	0.012659	0	0.012659	0.00123955
1813	420119.7	3740289	2.16E-03	5.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	5.40E-03	0.00E+00	0.00E+00	2.72E-04	5.28E-04	0.00E+00	0.00E+00	420119.7	3740289	0.005396	0	0.005396	0.000528368
1814	420110.07	3740287	2.07E-03	5.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	5.17E-03	0.00E+00	0.00E+00	2.61E-04	5.06E-04	0.00E+00	0.00E+00	420110.1	3740287	0.005169	0	0.005169	0.00050618
1815	420100.44	3740286	1.98E-03	4.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	4.95E-03	0.00E+00	0.00E+00	2.50E-04	4.84E-04	0.00E+00	0.00E+00	420100.4	3740286	0.004946	0	0.004946	0.000484334
1816	420090.82	3740285	1.90E-03	4.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	4.73E-03	0.00E+00	0.00E+00	2.39E-04	4.63E-04	0.00E+00	0.00E+00	420090.8	3740285	0.004731	0	0.004731	0.000463233
1817	420081.19	3740284	1.82E-03	4.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	4.54E-03	0.00E+00	0.00E+00	2.29E-04	4.44E-04	0.00E+00	0.00E+00	420081.2	3740284	0.004535	0	0.004535	0.00044408
1818	420071.56	3740282	1.75E-03	4.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	4.35E-03	0.00E+00	0.00E+00	2.20E-04	4.26E-04	0.00E+00	0.00E+00	420071.6	3740282	0.004352	0	0.004352	0.000426171
1819	420061.93	3740281	1.68E-03	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	4.18E-03	0.00E+00	0.00E+00	2.11E-04	4.09E-04	0.00E+00	0.00E+00	420061.9	3740281	0.004182	0	0.004182	0.000409485
1820	420052.31	3740280	1.61E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	4.02E-03	0.00E+00	0.00E+00	2.03E-04	3.94E-04	0.00E+00	0.00E+00	420052.3	3740280	0.004025	0	0.004025	0.000394092
1821	420042.68	3740278	1.56E-03	3.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	3.88E-03	0.00E+00	0.00E+00	1.96E-04	3.80E-04	0.00E+00	0.00E+00	420042.7	3740278	0.003879	0	0.003879	0.000379816
1822	420033.05	3740277	1.50E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	3.74E-03	0.00E+00	0.00E+00	1.89E-04	3.67E-04	0.00E+00	0.00E+00	420033.1	3740277	0.003743	0	0.003743	0.000366509
1823	420023.43	3740276	1.45E-03	3.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	3.62E-03	0.00E+00	0.00E+00	1.82E-04	3.54E-04	0.00E+00	0.00E+00	420023.4	3740276	0.003616	0	0.003616	0.000354093
1824	420013.8	3740274	1.40E-03	3.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	3.50E-03	0.00E+00	0.00E+00	1.76E-04	3.42E-04	0.00E+00	0.00E+00	420013.8	3740274	0.003497	0	0.003497	0.000342382
1825	420004.17	3740273	1.36E-03	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	3.38E-03	0.00E+00	0.00E+00	1.71E-04	3.31E-04	0.00E+00	0.00E+00	420004.2	3740273	0.003385	0	0.003385	0.000331405
1826	419994.54	3740272	1.32E-03	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	3.28E-03	0.00E+00	0.00E+00	1.66E-04	3.21E-04	0.00E+00	0.00E+00	419994.5	3740272	0.003281	0	0.003281	0.000321251
1827	419984.92	3740270	1.28E-03	3.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	3.18E-03	0.00E+00	0.00E+00	1.61E-04	3.12E-04	0.00E+00	0.00E+00	419984.9	3740270	0.003183	0	0.003183	0.000311694
1828	419975.29	3740269	1.24E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	3.09E-03	0.00E+00	0.00E+00	1.56E-04	3.02E-04	0.00E+00	0.00E+00	419975.3	3740269	0.003089	0	0.003089	0.00030246
1829	419961.16	3740259	1.24E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	3.09E-03	0.00E+00	0.00E+00	1.56E-04	3.03E-04	0.00E+00	0.00E+00	419961.2	3740259	0.003095	0	0.003095	0.000303038
1830	419956.65	3740251	1.28E-03	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	3.19E-03	0.00E+00	0.00E+00	1.61E-04	3.12E-04	0.00E+00	0.00E+00	419956.7	3740251	0.00319	0	0.00319	0.000312311
1831	419952.15	3740242	1.32E-03	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	3.28E-03	0.00E+00	0.00E+00	1.66E-04	3.22E-04	0.00E+00	0.00E+00	419952.2	3740242	0.003284	0	0.003284	0.000321594
1832	419947.64	3740233	1.35E-03	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	3.37E-03	0.00E+00	0.00E+00	1.70E-04	3.30E-04	0.00E+00	0.00E+00	419947.6	3740233	0.003375	0	0.003375	0.000330455
1833	419943.14	3740225	1.39E-03	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	3.46E-03	0.00E+00	0.00E+00	1.75E-04	3.39E-04	0.00E+00	0.00E+00	419943.1	3740225	0.003459	0	0.003459	0.00033868
1834	419938.63	3740216	1.42E-03	3.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	3.53E-03	0.00E+00	0.00E+00	1.78E-04	3.46E-04	0.00E+00	0.00E+00	419938.6	3740216	0.003532	0	0.003532	0.000345809
1835	419934.13	3740208	1.44E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	3.59E-03	0.00E+00	0.00E+00	1.81E-04	3.51E-04	0.00E+00	0.00E+00	419934.1	3740208	0.003589	0	0.003589	0.000351459
1836	419929.62	3740199	1.46E-03	3.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	3.63E-03	0.00E+00	0.00E+00	1.83E-04	3.56E-04	0.00E+00	0.00E+00	419929.6	3740199	0.003632	0	0.003632	0.000355611
1837	419925.11	3740190	1.47E-03	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	3.66E-03	0.00E+00	0.00E+00	1.85E-04	3.58E-04	0.00E+00	0.00E+00	419925.1	3740190	0.003657	0	0.003657	0.000358127
1838	419911.6	3740165	1.45E-03	3.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	3.62E-03	0.00E+00	0.00E+00	1.83E-04	3.55E-04	0.00E+00	0.00E+00	419911.6	3740165	0.003621	0	0.003621	0.000354582
1839	419907.09	3740156	1.44E-03	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+

1908	420085.56	3740320	1.45E-03	3.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	3.62E-03	0.00E+00	0.00E+00	1.83E-04	3.55E-04	0.00E+00	0.00E+00	420085.6	3740320	0.003623	0	0.003623	0.000354798
1909	420076.04	3740319	1.40E-03	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	3.49E-03	0.00E+00	0.00E+00	1.76E-04	3.42E-04	0.00E+00	0.00E+00	420076	3740319	0.003493	0	0.003493	0.000342049
1910	420066.51	3740317	1.35E-03	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	3.37E-03	0.00E+00	0.00E+00	1.70E-04	3.30E-04	0.00E+00	0.00E+00	420066.5	3740317	0.003371	0	0.003371	0.000330054
1911	420056.99	3740316	1.31E-03	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	3.26E-03	0.00E+00	0.00E+00	1.64E-04	3.19E-04	0.00E+00	0.00E+00	420057	3740316	0.003255	0	0.003255	0.000318764
1912	420047.46	3740315	1.26E-03	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	3.15E-03	0.00E+00	0.00E+00	1.59E-04	3.08E-04	0.00E+00	0.00E+00	420047.5	3740315	0.003149	0	0.003149	0.000308316
1913	420037.94	3740314	1.22E-03	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	3.05E-03	0.00E+00	0.00E+00	1.54E-04	2.99E-04	0.00E+00	0.00E+00	420037.9	3740314	0.00305	0	0.00305	0.000298671
1914	420028.41	3740312	1.19E-03	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	2.96E-03	0.00E+00	0.00E+00	1.49E-04	2.90E-04	0.00E+00	0.00E+00	420028.4	3740312	0.002959	0	0.002959	0.000289711
1915	420018.89	3740311	1.15E-03	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.87E-03	0.00E+00	0.00E+00	1.45E-04	2.81E-04	0.00E+00	0.00E+00	420018.9	3740311	0.002872	0	0.002872	0.000281173
1916	420009.36	3740310	1.12E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.79E-03	0.00E+00	0.00E+00	1.41E-04	2.73E-04	0.00E+00	0.00E+00	420009.4	3740310	0.00279	0	0.00279	0.000273144
1917	419999.83	3740308	1.09E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.71E-03	0.00E+00	0.00E+00	1.37E-04	2.66E-04	0.00E+00	0.00E+00	419999.8	3740308	0.002712	0	0.002712	0.000265574
1918	419990.31	3740307	1.06E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	2.64E-03	0.00E+00	0.00E+00	1.33E-04	2.59E-04	0.00E+00	0.00E+00	419990.3	3740307	0.002643	0	0.002643	0.00025875
1919	419980.78	3740306	1.03E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	2.58E-03	0.00E+00	0.00E+00	1.30E-04	2.52E-04	0.00E+00	0.00E+00	419980.8	3740306	0.002576	0	0.002576	0.000252267
1920	419971.26	3740304	1.01E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.51E-03	0.00E+00	0.00E+00	1.27E-04	2.46E-04	0.00E+00	0.00E+00	419971.3	3740304	0.002513	0	0.002513	0.000246059
1921	419961.73	3740303	9.85E-04	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	2.45E-03	0.00E+00	0.00E+00	1.24E-04	2.40E-04	0.00E+00	0.00E+00	419961.7	3740303	0.002454	0	0.002454	0.000240321
1922	419952.21	3740302	9.62E-04	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	2.40E-03	0.00E+00	0.00E+00	1.21E-04	2.35E-04	0.00E+00	0.00E+00	419952.2	3740302	0.002397	0	0.002397	0.00023475
1923	419938.23	3740292	9.65E-04	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	2.41E-03	0.00E+00	0.00E+00	1.21E-04	2.36E-04	0.00E+00	0.00E+00	419938.2	3740292	0.002406	0	0.002406	0.000235553
1924	419933.77	3740284	9.91E-04	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.91E-04	2.47E-03	0.00E+00	0.00E+00	1.25E-04	2.42E-04	0.00E+00	0.00E+00	419933.8	3740284	0.002469	0	0.002469	0.00024179
1925	419929.31	3740275	1.02E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.53E-03	0.00E+00	0.00E+00	1.28E-04	2.48E-04	0.00E+00	0.00E+00	419929.3	3740275	0.002533	0	0.002533	0.000247979
1926	419924.85	3740266	1.04E-03	2.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.59E-03	0.00E+00	0.00E+00	1.31E-04	2.54E-04	0.00E+00	0.00E+00	419924.9	3740266	0.002595	0	0.002595	0.000254059
1927	419920.39	3740258	1.07E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.65E-03	0.00E+00	0.00E+00	1.34E-04	2.60E-04	0.00E+00	0.00E+00	419920.4	3740258	0.002655	0	0.002655	0.000259934
1928	419915.94	3740249	1.09E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.71E-03	0.00E+00	0.00E+00	1.37E-04	2.66E-04	0.00E+00	0.00E+00	419915.9	3740249	0.002712	0	0.002712	0.000265545
1929	419911.48	3740241	1.11E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.77E-03	0.00E+00	0.00E+00	1.40E-04	2.71E-04	0.00E+00	0.00E+00	419911.5	3740241	0.002765	0	0.002765	0.000270754
1930	419907.02	3740232	1.13E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.81E-03	0.00E+00	0.00E+00	1.42E-04	2.75E-04	0.00E+00	0.00E+00	419907	3740232	0.00281	0	0.00281	0.000275122
1931	419902.56	3740224	1.14E-03	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.84E-03	0.00E+00	0.00E+00	1.43E-04	2.78E-04	0.00E+00	0.00E+00	419902.6	3740224	0.002843	0	0.002843	0.000278372
1932	419898.11	3740215	1.15E-03	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.87E-03	0.00E+00	0.00E+00	1.45E-04	2.81E-04	0.00E+00	0.00E+00	419898.1	3740215	0.002867	0	0.002867	0.000280762
1933	419893.65	3740207	1.16E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.88E-03	0.00E+00	0.00E+00	1.45E-04	2.82E-04	0.00E+00	0.00E+00	419893.7	3740207	0.002881	0	0.002881	0.000282093
1934	419880.28	3740181	1.14E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.85E-03	0.00E+00	0.00E+00	1.44E-04	2.79E-04	0.00E+00	0.00E+00	419880.3	3740181	0.002853	0	0.002853	0.000279332
1935	419875.82	3740173	1.14E-03	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.83E-03	0.00E+00	0.00E+00	1.43E-04	2.77E-04	0.00E+00	0.00E+00	419875.8	3740173	0.00283	0	0.00283	0.00027706
1936	419871.36	3740164	1.12E-03	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.80E-03	0.00E+00	0.00E+00	1.41E-04	2.74E-04	0.00E+00	0.00E+00	419871.4	3740164	0.002796	0	0.002796	0.00027376
1937	419866.9	3740156	1.11E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.76E-03	0.00E+00	0.00E+00	1.39E-04	2.70E-04	0.00E+00	0.00E+00	419866.9	3740156	0.002757	0	0.002757	0.000269922
1938	419862.45	3740147	1.09E-03	2.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.71E-03	0.00E+00	0.00E+00	1.37E-04	2.66E-04	0.00E+00	0.00E+00	419862.5	3740147	0.002713	0	0.002713	0.000265682
1939	419857.99	3740139	1.07E-03	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.66E-03	0.00E+00	0.00E+00	1.34E-04	2.61E-04	0.00E+00	0.00E+00	419858	3740139	0.002662	0	0.002662	0.000260688
1940	419853.53	3740130	1.04E-03	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.60E-03	0.00E+00	0.00E+00	1.31E-04	2.55E-04	0.00E+00	0.00E+00	419853.5	3740130	0.002604	0	0.002604	0.000255009
1941	420142.72	3740328	1.81E-03	4.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	4.50E-03	0.00E+00	0.00E+00	2.27E-04	4.41E-04	0.00E+00	0.00E+00	420142.7	3740328	0.0045	0	0.0045	0.000440672
1942	420152.06	3740324	1.93E-03	4.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	4.80E-03	0.00E+00	0.00E+00	2.42E-04	4.70E-04	0.00E+00	0.00E+00	420152.1	3740324	0.004803	0	0.004803	0.000470283
1943	420161.41	3740321	2.05E-03	5.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	5.11E-03	0.00E+00	0.00E+00	2.58E-04	5.01E-04	0.00E+00	0.00E+00	420161.4	3740321	0.005114	0	0.005114	0.000500794
1944	420170.76	3740318	2.18E-03	5.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	5.43E-03	0.00E+00	0.00E+00	2.74E-04	5.32E-04	0.00E+00	0.00E+00	420170.8	3740318	0.005434	0	0.005434	0.000532069
1945	420180.11	3740314	2.31E-03	5.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	5.76E-03	0.00E+00	0.00E+00	2.90E-04	5.64E-04	0.00E+00	0.00E+00	420180.1	3740314	0.005756	0	0.005756	0.000563658
1946	420189.46	3740311	2.44E-03	6.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03	6.08E-03	0.00E+00	0.00E+00	3.07E-04	5.95E-04	0.00E+00	0.00E+00	420189.5	3740311	0.006076	0	0.006076	0.000594982
1947	420198.81	3740308	2.57E-03	6.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03	6.39E-03	0.00E+00	0.00E+00	3.23E-04	6.26E-04	0.00E+00	0.00E+00	420198.8	3740308	0.006394	0	0.006394	0.000626042
1948	420208.16	3740305	2.69E-03	6.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	6.70E-03	0.00E+00	0.00E+00	3.38E-04	6.56E-04	0.00E+00	0.00E+00	420208.2	3740305	0.006701	0	0.006701	0.000656191
1949	420245.56	3740291	3.12E-03	7.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03	7.77E-03	0.00E+00	0.00E+00	3.92E-04	7.61E-04	0.00E+00	0.00E+00	420245.6	3740291	0.00777	0	0.00777	0.000760807
1950	420254.91	3740288	3.19E-03	7.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03	7.95E-03	0.00E+00	0.00E+00	4.01E-04	7.78E-04	0.00E+00	0.00E+00	420254.9	3740288	0.007948	0	0.007948	0.000778285
1951	420264.26	3740285	3.24E-03	8.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-03	8.07E-03	0.00E+00	0.00E+00	4.07E-04	7.90E-04	0.00E+00	0.00E+00	420264.3	3740285	0.008071	0	0.008071	0.000790339
1952	420273.61	3740281	3.27E-03	8.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03	8.15E-03	0.00E+00	0.00E+00	4.11E-04	7.98E-04	0.00E+00	0.00E+00	420273.6	3740281	0.008154	0	0.008154	0.000798447
1953	420282.96	3740278	3.29E-03	8.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03	8.21E-03	0.00E+00	0.00E+00	4.14E-04	8.04E-04	0.00E+00	0.00E+00	420283	3740278	0.008208	0	0.008208	0.000803705
1954	420139.92	3740345	1.58E-03	3.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	3.94E-03	0.00E+00	0.00E+00	1.99E-04	3.86E-04	0.00E+00	0.00E+00	420139.9	3740345	0.003944	0	0.003944	0.00038619
1955	420130.44	3740344	1.53E-03	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	3.82E-03	0.00E+00	0.00E+00	1.93E-04	3.74E-04	0.00E+00	0.00E+00	420130.4	3740344	0.003815	0	0.003815	0.000373588
1956	420120.95	3740343	1.48E-03	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	3.69E-03	0.00E+00	0.00E+00	1.86E-04	3.61E-04	0.00E+00	0.00E+00	420121	3740343	0.003687	0	0.003687	0.000361016
1957	420111.46	3740341	1.43E-03	3.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	3.56E-03	0.00E+00	0.00E+00	1.80E-04	3.49E-04	0.00E+00	0.00E+00	420111.5	3740341	0.003564	0	0.003564	0.000349011
1958	420101.97	3740340	1.38E-03	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	3.44E-03	0.00E+00	0.00E+00	1.74E-04	3.37E-04	0.00E+00	0.00E+00	420102	3740340	0.003444	0	0.003444	0.000337192
1959	420092.48	3740339	1.33E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	3.32E-03	0.00E+00	0.00E+00	1.68E-04	3.26E-04	0.00E+00	0.00E+00	420092.5	3740339	0.003325	0	0.003325	0.000325569
1960	420083	3740338	1.29E-03	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	3.21E-03	0.00E+00	0.00E+00	1.62E-04	3.14E-04	0.00E+00	0.00E+00	420083	3740338	0.003212	0	0.003212	0.000314465
1961	420073.51	3740336	1.25E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	3.10E-03	0.00E+00	0.00E+00	1.57E-04	3.04E-04	0.00E+00	0.00E+00	420073.5	3740336	0.003104	0	0.003104	0.000303939
1962	420064.02	3740335	1.20E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	3.00E-03	0.00E+00	0.00E+00	1.52E-04	2.94E-04	0.00E+00	0.00E+00	420064	3740335	0.003003	0	0.003003	0.00029401
1963	420054.53	3740334	1.17E-03	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.91E-03	0.00E+00	0.00E+00	1.47E-04	2.85E-04	0.00E+00	0.00E+00	420054.5	3740334	0.002907	0	0.002907	0.000284639
1964	420045.05	3740332	1.13E-03	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.82E-03	0.00E+00	0.00E+00	1.42E-04	2.76E-04	0.00E+00	0.00E+00	420045.1	3740332	0.002817	0	0.002817	0.000275856
1965	420035.56	3740331	1.10E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.73E-03	0.00E+00	0.00E+00	1.38E-04	2.68E-04	0.00E+00	0.00E+00	420035.6	3740331	0.002733	0	0.002733	0.00026765
1966	420026.07	3740330	1.07E-03	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.66E-03	0.00E+00	0.00E+00	1.34E-04	2.60E-04	0.00E+00	0.00E+00	420026.1	3740330	0.002656	0	0.002656	0.000260062
1967	420016.58	3740329	1.04E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.58E-03	0.00E+00	0.00E+00	1.30E-04	2.53E-04	0.00E+00	0.00E+00	420016.6	3740329	0.002584	0	0.002584	0.000253031
1968	420007.09	3740327	1.01E-03	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.52E-03	0.00E+00	0.00E+00	1.27E-04	2.46E-04	0.00E+00	0.00E+00	420007.1	3740327	0.002517	0	0.002517	0.000246422
1969	419997.61	3740326	9.84E-04	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	2.45E-03	0.00E+00	0.00E+00	1.24E-04	2.40E-04	0.00E+00	0.00E+00	419997.6	3740326	0.002453	0	0.002453	0.000240214
1970	419988.12	3740325	9.61E-04	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	2.39E-03	0.00E+00	0.00E+00	1.21E-04	2.34E-04	0.00E+00	0.00E+00	419988.1	3740325	0.002394	0	0.002394	0.000234456
1971	419978.63	3740323	9.38E-04	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04	2.34E-03	0.00E+00	0.00E+00	1.18E-04	2.29E-04	0.00E+00	0.00E+00	419978.6	3740323	0.002338	0	0.002338	0.000228953
1972	419969.14	3740322	9.17E-04	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-04	2.28E-03	0.00E+00	0.00E+00	1.15E-04	2.24E-04	0.00E+00	0.00E+00	419969.1	3740322	0.002285	0	0.002285	0.000223724
1973	419959.66	3740321	8.97E-04	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-04	2.24E-03	0.00E+00	0.00E+00	1.13E-04	2.19E-04	0.00E+00	0.00E+00	419959.7	3740321	0.002236	0	0.002236	0.000218897
1974	419950.17	3740320	8.78E-04	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04	2.19E-03	0.00E+00	0.00E+00	1.10E-04	2.14E-04	0.00E+00	0.00E+00	419950.2	3740320	0.002187	0	0.002187	0.000214187
1975	419940.68	3740318	8.59E-04	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	2.14E-03	0.00E+00	0.00E+00	1.08E-04	2.10E-04	0.00E+00	0.00E+00	419940.7	3740318	0.00214	0	0.00214	0.000209575
1976	419926.75	3740308	8.61E-04	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	2.15E-03	0.00E+00	0.00E+00	1.08E-04	2.10E-04	0.00E+00	0.00E+00	419926.8	3740308	0.002145	0	0.002145	0.000210045
1977	419922.31	3740300	8.82E-04	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	2.20E-03	0.00E+00	0.00E+00	1.11E-04	2.15E-04	0.00E+00	0.00E+00	419922.3	3740300	0.002198	0	0.002198	0.000215215
1978	419917.87	3740291	9.03E-04	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	2.25E-03	0.00E+00	0.00E+00	1.14E-04	2.20E-04	0.00E+00	0.00E+00	419917.9	3740291	0.002251	0	0.002251	0.000220375
1979	419913.43	3740283	9.24E-04	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	2.30E-03	0.00E+00	0.00E+00	1.16E-04	2.25E-04	0.00E+00	0.00E+00	419913.4	3740283	0.002303	0	0.002303	0.000225457
1980	419908.99	3740275	9.45E-04	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	2.35E-03	0.00E+00	0.00E+00	1.19E-04	2.31E-04	0.00E+00	0.00E+00	419909	3740275	0.002354	0	0.002354	0.00023051
1981	419904.55	3740266	9.65E-04	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	2.41E-03	0.00E+00	0.00E+00	1.21E-04	2.36E-04	0.00E+00	0.00E+00	419904.6	3740266	0.002405	0	0.002405	0.000235523
1982	419900.11	3740258	9.84E-04	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	2.45E-03	0.00E+00	0.00E+00	1.24E-04	2.40E-04	0.00E+00	0.00E+00	419900.1	3740258	0.002453	0	0.002453	0.000240165
1983	419895.67	3740249	1.00E-03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	2.50E-03	0.00E+00	0.00E+00	1.26E-04	2.44E-04	0.00E+00	0.00E+00	419895.7	3740249	0.002496	0	0.002496	0.000244405
1984	419891.23	3740241	1.02E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.53E-03	0.00E+00	0.00E+00	1.28E-04	2.48E-04	0.00E+00	0.00E+00	419891.2	3740241	0.002535	0	0.002535	0.000248174
1985	419886.79	3740232	1.03E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	2.56E-03	0.00E+00	0.00E+00	1.29E-04	2.51E-04	0.00E+00	0.00E+00	419886.8	3740232	0.002564	0	0.002564	0.000251063
1986	419882.35	3740224	1.04E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.

2055	420156.11	3740365	1.49E-03	3.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	3.70E-03	0.00E+00	0.00E+00	1.87E-04	3.63E-04	0.00E+00	0.00E+00	420156.1	3740365	0.003703	0	0.003703	0.000362612
2056	420165.45	3740362	1.57E-03	3.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	3.92E-03	0.00E+00	0.00E+00	1.98E-04	3.84E-04	0.00E+00	0.00E+00	420165.5	3740362	0.003919	0	0.003919	0.000383713
2057	420174.8	3740359	1.66E-03	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	4.14E-03	0.00E+00	0.00E+00	2.09E-04	4.06E-04	0.00E+00	0.00E+00	420174.8	3740359	0.004142	0	0.004142	0.000405539
2058	420184.15	3740356	1.75E-03	4.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	4.37E-03	0.00E+00	0.00E+00	2.20E-04	4.28E-04	0.00E+00	0.00E+00	420184.2	3740356	0.004368	0	0.004368	0.000427698
2059	420193.5	3740352	1.84E-03	4.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	4.59E-03	0.00E+00	0.00E+00	2.32E-04	4.50E-04	0.00E+00	0.00E+00	420193.5	3740352	0.004591	0	0.004591	0.000449505
2060	420202.85	3740349	1.93E-03	4.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	4.81E-03	0.00E+00	0.00E+00	2.43E-04	4.71E-04	0.00E+00	0.00E+00	420202.9	3740349	0.004811	0	0.004811	0.000471056
2061	420240.25	3740336	2.26E-03	5.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	5.63E-03	0.00E+00	0.00E+00	2.84E-04	5.51E-04	0.00E+00	0.00E+00	420240.3	3740336	0.005625	0	0.005625	0.000550801
2062	420249.6	3740332	2.33E-03	5.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03	5.81E-03	0.00E+00	0.00E+00	2.93E-04	5.69E-04	0.00E+00	0.00E+00	420249.6	3740332	0.005814	0	0.005814	0.000569259
2063	420258.95	3740329	2.40E-03	5.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	5.98E-03	0.00E+00	0.00E+00	3.02E-04	5.86E-04	0.00E+00	0.00E+00	420259	3740329	0.005983	0	0.005983	0.000585885
2064	420268.3	3740326	2.46E-03	6.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	6.13E-03	0.00E+00	0.00E+00	3.09E-04	6.00E-04	0.00E+00	0.00E+00	420268.3	3740326	0.006131	0	0.006131	0.000600289
2065	420277.65	3740322	2.51E-03	6.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	6.25E-03	0.00E+00	0.00E+00	3.15E-04	6.12E-04	0.00E+00	0.00E+00	420277.7	3740322	0.00625	0	0.00625	0.000611942
2066	420287	3740319	2.54E-03	6.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-03	6.34E-03	0.00E+00	0.00E+00	3.20E-04	6.21E-04	0.00E+00	0.00E+00	420287	3740319	0.006339	0	0.006339	0.000620735
2067	420296.35	3740316	2.57E-03	6.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03	6.40E-03	0.00E+00	0.00E+00	3.23E-04	6.27E-04	0.00E+00	0.00E+00	420296.4	3740316	0.0064	0	0.0064	0.000626698
2068	420153.01	3740383	1.32E-03	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	3.29E-03	0.00E+00	0.00E+00	1.66E-04	3.22E-04	0.00E+00	0.00E+00	420153	3740383	0.003288	0	0.003288	0.000321976
2069	420143.22	3740382	1.28E-03	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	3.19E-03	0.00E+00	0.00E+00	1.61E-04	3.13E-04	0.00E+00	0.00E+00	420143.2	3740382	0.003192	0	0.003192	0.000312546
2070	420133.43	3740380	1.24E-03	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	3.09E-03	0.00E+00	0.00E+00	1.56E-04	3.03E-04	0.00E+00	0.00E+00	420133.4	3740380	0.003094	0	0.003094	0.000302921
2071	420123.63	3740379	1.20E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	3.00E-03	0.00E+00	0.00E+00	1.51E-04	2.93E-04	0.00E+00	0.00E+00	420123.6	3740379	0.002995	0	0.002995	0.000293305
2072	420113.84	3740378	1.16E-03	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.90E-03	0.00E+00	0.00E+00	1.46E-04	2.84E-04	0.00E+00	0.00E+00	420113.8	3740378	0.002902	0	0.002902	0.00028414
2073	420104.05	3740376	1.13E-03	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.81E-03	0.00E+00	0.00E+00	1.42E-04	2.75E-04	0.00E+00	0.00E+00	420104.1	3740376	0.002811	0	0.002811	0.000275288
2074	420094.26	3740375	1.09E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.72E-03	0.00E+00	0.00E+00	1.37E-04	2.67E-04	0.00E+00	0.00E+00	420094.3	3740375	0.002723	0	0.002723	0.000266583
2075	420084.47	3740374	1.06E-03	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	2.64E-03	0.00E+00	0.00E+00	1.33E-04	2.58E-04	0.00E+00	0.00E+00	420084.5	3740374	0.002636	0	0.002636	0.000258084
2076	420074.67	3740372	1.02E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.55E-03	0.00E+00	0.00E+00	1.29E-04	2.50E-04	0.00E+00	0.00E+00	420074.7	3740372	0.002552	0	0.002552	0.000249917
2077	420064.88	3740371	9.92E-04	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	2.47E-03	0.00E+00	0.00E+00	1.25E-04	2.42E-04	0.00E+00	0.00E+00	420064.9	3740371	0.002473	0	0.002473	0.000242192
2078	420055.09	3740370	9.63E-04	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-04	2.40E-03	0.00E+00	0.00E+00	1.21E-04	2.35E-04	0.00E+00	0.00E+00	420055.1	3740370	0.0024	0	0.0024	0.000235024
2079	420045.3	3740368	9.36E-04	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	2.33E-03	0.00E+00	0.00E+00	1.18E-04	2.28E-04	0.00E+00	0.00E+00	420045.3	3740368	0.002333	0	0.002333	0.000228444
2080	420035.51	3740367	9.11E-04	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	2.27E-03	0.00E+00	0.00E+00	1.15E-04	2.22E-04	0.00E+00	0.00E+00	420035.5	3740367	0.00227	0	0.00227	0.000222265
2081	420025.72	3740366	8.87E-04	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	2.21E-03	0.00E+00	0.00E+00	1.12E-04	2.16E-04	0.00E+00	0.00E+00	420025.7	3740366	0.00221	0	0.00221	0.00021639
2082	420015.92	3740364	8.64E-04	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	2.15E-03	0.00E+00	0.00E+00	1.09E-04	2.11E-04	0.00E+00	0.00E+00	420015.9	3740364	0.002153	0	0.002153	0.000210779
2083	420006.13	3740363	8.42E-04	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-04	2.10E-03	0.00E+00	0.00E+00	1.06E-04	2.06E-04	0.00E+00	0.00E+00	420006.1	3740363	0.002099	0	0.002099	0.000205531
2084	419996.34	3740362	8.23E-04	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	2.05E-03	0.00E+00	0.00E+00	1.03E-04	2.01E-04	0.00E+00	0.00E+00	419996.3	3740362	0.00205	0	0.00205	0.000200762
2085	419986.55	3740360	8.05E-04	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	2.01E-03	0.00E+00	0.00E+00	1.01E-04	1.96E-04	0.00E+00	0.00E+00	419986.6	3740360	0.002007	0	0.002007	0.000196473
2086	419976.76	3740359	7.88E-04	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.96E-03	0.00E+00	0.00E+00	9.91E-05	1.92E-04	0.00E+00	0.00E+00	419976.8	3740359	0.001964	0	0.001964	0.000192351
2087	419966.96	3740358	7.72E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	1.92E-03	0.00E+00	0.00E+00	9.71E-05	1.88E-04	0.00E+00	0.00E+00	419967	3740358	0.001924	0	0.001924	0.000188376
2088	419957.17	3740356	7.56E-04	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.88E-03	0.00E+00	0.00E+00	9.51E-05	1.85E-04	0.00E+00	0.00E+00	419957.2	3740356	0.001885	0	0.001885	0.000184547
2089	419947.38	3740355	7.41E-04	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	1.85E-03	0.00E+00	0.00E+00	9.32E-05	1.81E-04	0.00E+00	0.00E+00	419947.4	3740355	0.001847	0	0.001847	0.000180846
2090	419937.59	3740354	7.27E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	1.81E-03	0.00E+00	0.00E+00	9.14E-05	1.77E-04	0.00E+00	0.00E+00	419937.6	3740354	0.001811	0	0.001811	0.000177311
2091	419927.8	3740352	7.12E-04	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	1.78E-03	0.00E+00	0.00E+00	8.96E-05	1.74E-04	0.00E+00	0.00E+00	419927.8	3740352	0.001776	0	0.001776	0.000173884
2092	419918.01	3740351	6.98E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	1.74E-03	0.00E+00	0.00E+00	8.78E-05	1.70E-04	0.00E+00	0.00E+00	419918	3740351	0.00174	0	0.00174	0.000170368
2093	419903.63	3740341	7.00E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	1.74E-03	0.00E+00	0.00E+00	8.80E-05	1.71E-04	0.00E+00	0.00E+00	419903.6	3740341	0.001745	0	0.001745	0.000170829
2094	419899.05	3740332	7.16E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	1.79E-03	0.00E+00	0.00E+00	9.01E-05	1.75E-04	0.00E+00	0.00E+00	419899.1	3740332	0.001785	0	0.001785	0.000174794
2095	419894.47	3740323	7.33E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.83E-03	0.00E+00	0.00E+00	9.21E-05	1.79E-04	0.00E+00	0.00E+00	419894.5	3740323	0.001826	0	0.001826	0.00017878
2096	419889.88	3740315	7.49E-04	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	1.87E-03	0.00E+00	0.00E+00	9.42E-05	1.83E-04	0.00E+00	0.00E+00	419889.9	3740315	0.001867	0	0.001867	0.000182784
2097	419885.3	3740306	7.65E-04	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.91E-03	0.00E+00	0.00E+00	9.62E-05	1.87E-04	0.00E+00	0.00E+00	419885.3	3740306	0.001907	0	0.001907	0.00018674
2098	419880.72	3740297	7.81E-04	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.95E-03	0.00E+00	0.00E+00	9.82E-05	1.91E-04	0.00E+00	0.00E+00	419880.7	3740297	0.001947	0	0.001947	0.000190628
2099	419876.14	3740288	7.96E-04	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	1.98E-03	0.00E+00	0.00E+00	1.00E-04	1.94E-04	0.00E+00	0.00E+00	419876.1	3740288	0.001985	0	0.001985	0.000194339
2100	419871.56	3740280	8.11E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.98E-04	0.00E+00	0.00E+00	419871.6	3740280	0.00202	0	0.00202	0.000197805
2101	419866.97	3740271	8.24E-04	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	2.05E-03	0.00E+00	0.00E+00	1.04E-04	2.01E-04	0.00E+00	0.00E+00	419867	3740271	0.002053	0	0.002053	0.000200987
2102	419862.39	3740262	8.35E-04	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	2.08E-03	0.00E+00	0.00E+00	1.05E-04	2.04E-04	0.00E+00	0.00E+00	419862.4	3740262	0.002081	0	0.002081	0.000203788
2103	419857.81	3740253	8.45E-04	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	2.11E-03	0.00E+00	0.00E+00	1.06E-04	2.06E-04	0.00E+00	0.00E+00	419857.8	3740253	0.002106	0	0.002106	0.000206167
2104	419853.23	3740245	8.52E-04	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	2.12E-03	0.00E+00	0.00E+00	1.07E-04	2.08E-04	0.00E+00	0.00E+00	419853.2	3740245	0.002123	0	0.002123	0.000207901
2105	419848.64	3740236	8.56E-04	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04	2.13E-03	0.00E+00	0.00E+00	1.08E-04	2.09E-04	0.00E+00	0.00E+00	419848.6	3740236	0.002133	0	0.002133	0.000208811
2106	419844.06	3740227	8.57E-04	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	2.14E-03	0.00E+00	0.00E+00	1.08E-04	2.09E-04	0.00E+00	0.00E+00	419844.1	3740227	0.002135	0	0.002135	0.000209076
2107	419830.31	3740201	8.46E-04	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	2.11E-03	0.00E+00	0.00E+00	1.06E-04	2.06E-04	0.00E+00	0.00E+00	419830.3	3740201	0.002108	0	0.002108	0.000206373
2108	419825.73	3740192	8.37E-04	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	2.09E-03	0.00E+00	0.00E+00	1.05E-04	2.04E-04	0.00E+00	0.00E+00	419825.7	3740192	0.002086	0	0.002086	0.000204258
2109	419821.15	3740183	8.28E-04	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	2.06E-03	0.00E+00	0.00E+00	1.04E-04	2.02E-04	0.00E+00	0.00E+00	419821.2	3740183	0.002064	0	0.002064	0.000202055
2110	419816.57	3740175	8.18E-04	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	2.04E-03	0.00E+00	0.00E+00	1.03E-04	2.00E-04	0.00E+00	0.00E+00	419816.6	3740175	0.002038	0	0.002038	0.000199597
2111	419811.99	3740166	8.06E-04	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	2.01E-03	0.00E+00	0.00E+00	1.01E-04	1.97E-04	0.00E+00	0.00E+00	419812	3740166	0.002008	0	0.002008	0.000196601
2112	419807.4	3740157	7.92E-04	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.97E-03	0.00E+00	0.00E+00	9.95E-05	1.93E-04	0.00E+00	0.00E+00	419807.4	3740157	0.001973	0	0.001973	0.000193183
2113	419802.82	3740148	7.76E-04	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	1.93E-03	0.00E+00	0.00E+00	9.76E-05	1.89E-04	0.00E+00	0.00E+00	419802.8	3740148	0.001935	0	0.001935	0.000189423
2114	420162.8	3740384	1.36E-03	3.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	3.38E-03	0.00E+00	0.00E+00	1.71E-04	3.31E-04	0.00E+00	0.00E+00	420162.8	3740384	0.003382	0	0.003382	0.000331199
2115	420172.15	3740381	1.43E-03	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	3.57E-03	0.00E+00	0.00E+00	1.80E-04	3.49E-04	0.00E+00	0.00E+00	420172.2	3740381	0.003567	0	0.003567	0.000349305
2116	420181.5	3740378	1.51E-03	3.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	3.76E-03	0.00E+00	0.00E+00	1.90E-04	3.68E-04	0.00E+00	0.00E+00	420181.5	3740378	0.003757	0	0.003757	0.000367919
2117	420190.85	3740374	1.59E-03	3.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	3.95E-03	0.00E+00	0.00E+00	1.99E-04	3.87E-04	0.00E+00	0.00E+00	420190.9	3740374	0.003952	0	0.003952	0.000386954
2118	420200.2	3740371	1.66E-03	4.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	4.15E-03	0.00E+00	0.00E+00	2.09E-04	4.06E-04	0.00E+00	0.00E+00	420200.2	3740371	0.004147	0	0.004147	0.000406048
2119	420209.55	3740368	1.74E-03	4.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	4.34E-03	0.00E+00	0.00E+00	2.19E-04	4.25E-04	0.00E+00	0.00E+00	420209.6	3740368	0.004336	0	0.004336	0.000424604
2120	420246.94	3740354	2.02E-03	5.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	5.04E-03	0.00E+00	0.00E+00	2.54E-04	4.93E-04	0.00E+00	0.00E+00	420246.9	3740354	0.005036	0	0.005036	0.000493137
2121	420256.29	3740351	2.08E-03	5.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	5.19E-03	0.00E+00	0.00E+00	2.62E-04	5.08E-04	0.00E+00	0.00E+00	420256.3	3740351	0.00519	0	0.00519	0.000508158
2122	420265.64	3740348	2.14E-03	5.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	5.33E-03	0.00E+00	0.00E+00	2.69E-04	5.22E-04	0.00E+00	0.00E+00	420265.6	3740348	0.005328	0	0.005328	0.000521749
2123	420274.99	3740344	2.19E-03	5.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	5.45E-03	0.00E+00	0.00E+00	2.75E-04	5.34E-04	0.00E+00	0.00E+00	420275	3740344	0.005454	0	0.005454	0.000534038
2124	420284.34	3740341	2.23E-03	5.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	5.56E-03	0.00E+00	0.00E+00	2.81E-04	5.45E-04	0.00E+00	0.00E+00	420284.3	3740341	0.005562	0	0.005562	0.000544583
2125	420293.69	3740338	2.27E-03	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	5.65E-03	0.00E+00	0.00E+00	2.85E-04	5.53E-04	0.00E+00	0.00E+00	420293.7	3740338	0.005649	0	0.005649	0.000553132
2126	420303.04	3740335	2.29E-03	5.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	5.71E-03	0.00E+00	0.00E+00	2.88E-04	5.59E-04	0.00E+00	0.00E+00	420303	3740335	0.005711	0	0.005711	0.000559222
2127	420159.75	3740402	1.21E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	3.02E-03	0.00E+00	0.00E+00	1.52E-04	2.96E-04	0.00E+00	0.00E+00	420159.8	3740402	0.003021	0	0.003021	0.000295841
2128	420150.01	3740401	1.18E-03	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.94E-03	0.00E+00	0.00E+00	1.48E-04	2.88E-04	0.00E+00	0.00E+00	420150	3740401	0.002936	0	0.002936	0.000287528
2129	420140.27	3740399	1.14E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.85E-03	0.00E+00	0.00E+00	1.44E-04	2.79E-04	0.00E+00	0.00E+00	420140.3	3740399	0.002854	0	0.002854	0.00027941
2130	420130.53	3740398	1.11E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.77E-03	0.00E+00	0.00E+00	1.40E-04	2.71E-04	0.00E+00	0.00E+00	420130.5	3740398	0.00277	0	0.00277	0.000271254
2131	420120.79	3740397	1.08E-03	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.69E-03	0.00E+00	0.00E+00	1.36E-04	2.63E-04	0.00E+00	0.00E+00	420120.8	3740397	0.002688	0	0.002688	0.000263185
2132	420111.04	3740395	1.05E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.61E-03	0.00E+00	0.00E+00	1.32E-04	2.55E-04	0.00E+00	0.00E+00	420111	3740395	0.002609	0	0.002609	0.000255499
2133	420101.3	3740394	1.02E-03	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E

2202	420005.32	3740408	6.90E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.72E-03	0.00E+00	0.00E+00	8.68E-05	1.68E-04	0.00E+00	0.00E+00	420005.3	3740408	0.00172	0	0.00172	0.00016839
2203	419995.64	3740406	6.76E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	1.69E-03	0.00E+00	0.00E+00	8.51E-05	1.65E-04	0.00E+00	0.00E+00	419995.6	3740406	0.001686	0	0.001686	0.000165042
2204	419985.96	3740405	6.63E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	1.65E-03	0.00E+00	0.00E+00	8.34E-05	1.62E-04	0.00E+00	0.00E+00	419986	3740405	0.001653	0	0.001653	0.000161898
2205	419976.28	3740404	6.51E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.62E-03	0.00E+00	0.00E+00	8.19E-05	1.59E-04	0.00E+00	0.00E+00	419976.3	3740404	0.001623	0	0.001623	0.000158902
2206	419966.6	3740402	6.39E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	1.59E-03	0.00E+00	0.00E+00	8.04E-05	1.56E-04	0.00E+00	0.00E+00	419966.6	3740402	0.001593	0	0.001593	0.000155965
2207	419956.92	3740401	6.27E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.56E-03	0.00E+00	0.00E+00	7.89E-05	1.53E-04	0.00E+00	0.00E+00	419956.9	3740401	0.001563	0	0.001563	0.000153076
2208	419947.24	3740400	6.16E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	1.53E-03	0.00E+00	0.00E+00	7.75E-05	1.50E-04	0.00E+00	0.00E+00	419947.2	3740400	0.001535	0	0.001535	0.000150295
2209	419937.56	3740398	6.05E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	1.51E-03	0.00E+00	0.00E+00	7.61E-05	1.48E-04	0.00E+00	0.00E+00	419937.6	3740398	0.001508	0	0.001508	0.000147661
2210	419927.88	3740397	5.95E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	1.48E-03	0.00E+00	0.00E+00	7.48E-05	1.45E-04	0.00E+00	0.00E+00	419927.9	3740397	0.001483	0	0.001483	0.000145184
2211	419918.21	3740396	5.85E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.46E-03	0.00E+00	0.00E+00	7.36E-05	1.43E-04	0.00E+00	0.00E+00	419918.2	3740396	0.001458	0	0.001458	0.000142775
2212	419908.53	3740395	5.75E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	1.43E-03	0.00E+00	0.00E+00	7.23E-05	1.40E-04	0.00E+00	0.00E+00	419908.5	3740395	0.001434	0	0.001434	0.000140376
2213	419898.85	3740393	5.65E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.41E-03	0.00E+00	0.00E+00	7.11E-05	1.38E-04	0.00E+00	0.00E+00	419898.9	3740393	0.001409	0	0.001409	0.000137957
2214	419889.17	3740392	5.56E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.38E-03	0.00E+00	0.00E+00	6.99E-05	1.36E-04	0.00E+00	0.00E+00	419889.2	3740392	0.001385	0	0.001385	0.000135607
2215	419874.96	3740382	5.57E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.39E-03	0.00E+00	0.00E+00	7.01E-05	1.36E-04	0.00E+00	0.00E+00	419875	3740382	0.00139	0	0.00139	0.000136058
2216	419870.43	3740373	5.69E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	1.42E-03	0.00E+00	0.00E+00	7.16E-05	1.39E-04	0.00E+00	0.00E+00	419870.4	3740373	0.001418	0	0.001418	0.000138858
2217	419865.9	3740365	5.81E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	1.45E-03	0.00E+00	0.00E+00	7.30E-05	1.42E-04	0.00E+00	0.00E+00	419865.9	3740365	0.001447	0	0.001447	0.000141688
2218	419861.37	3740356	5.92E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.48E-03	0.00E+00	0.00E+00	7.45E-05	1.45E-04	0.00E+00	0.00E+00	419861.4	3740356	0.001476	0	0.001476	0.000144537
2219	419856.84	3740347	6.04E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	1.51E-03	0.00E+00	0.00E+00	7.59E-05	1.47E-04	0.00E+00	0.00E+00	419856.8	3740347	0.001505	0	0.001505	0.000147377
2220	419852.31	3740339	6.15E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.53E-03	0.00E+00	0.00E+00	7.74E-05	1.50E-04	0.00E+00	0.00E+00	419852.3	3740339	0.001534	0	0.001534	0.000150178
2221	419847.78	3740330	6.26E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.56E-03	0.00E+00	0.00E+00	7.88E-05	1.53E-04	0.00E+00	0.00E+00	419847.8	3740330	0.001561	0	0.001561	0.00015289
2222	419843.25	3740321	6.37E-04	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.59E-03	0.00E+00	0.00E+00	8.01E-05	1.56E-04	0.00E+00	0.00E+00	419843.3	3740321	0.001588	0	0.001588	0.000155524
2223	419838.72	3740313	6.48E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.61E-03	0.00E+00	0.00E+00	8.15E-05	1.58E-04	0.00E+00	0.00E+00	419838.7	3740313	0.001614	0	0.001614	0.00015806
2224	419834.19	3740304	6.57E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	1.64E-03	0.00E+00	0.00E+00	8.27E-05	1.60E-04	0.00E+00	0.00E+00	419834.2	3740304	0.001638	0	0.001638	0.00016043
2225	419829.66	3740295	6.66E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.66E-03	0.00E+00	0.00E+00	8.38E-05	1.63E-04	0.00E+00	0.00E+00	419829.7	3740295	0.00166	0	0.00166	0.000162584
2226	419825.14	3740287	6.74E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	1.68E-03	0.00E+00	0.00E+00	8.48E-05	1.65E-04	0.00E+00	0.00E+00	419825.1	3740287	0.00168	0	0.00168	0.000164513
2227	419820.61	3740278	6.81E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.70E-03	0.00E+00	0.00E+00	8.56E-05	1.66E-04	0.00E+00	0.00E+00	419820.6	3740278	0.001697	0	0.001697	0.000166158
2228	419816.08	3740269	6.86E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.71E-03	0.00E+00	0.00E+00	8.63E-05	1.68E-04	0.00E+00	0.00E+00	419816.1	3740269	0.001711	0	0.001711	0.000167509
2229	419811.55	3740261	6.90E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	1.72E-03	0.00E+00	0.00E+00	8.68E-05	1.68E-04	0.00E+00	0.00E+00	419811.6	3740261	0.001721	0	0.001721	0.000168498
2230	419807.02	3740252	6.93E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.73E-03	0.00E+00	0.00E+00	8.71E-05	1.69E-04	0.00E+00	0.00E+00	419807	3740252	0.001727	0	0.001727	0.000169095
2231	419802.49	3740243	6.93E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	1.73E-03	0.00E+00	0.00E+00	8.72E-05	1.69E-04	0.00E+00	0.00E+00	419802.5	3740243	0.001728	0	0.001728	0.000169213
2232	419797.96	3740235	6.92E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.72E-03	0.00E+00	0.00E+00	8.70E-05	1.69E-04	0.00E+00	0.00E+00	419798	3740235	0.001725	0	0.001725	0.0001689
2233	419770.78	3740183	6.51E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	1.62E-03	0.00E+00	0.00E+00	8.19E-05	1.59E-04	0.00E+00	0.00E+00	419770.8	3740183	0.001623	0	0.001623	0.000158902
2234	419766.25	3740174	6.40E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.60E-03	0.00E+00	0.00E+00	8.05E-05	1.56E-04	0.00E+00	0.00E+00	419766.3	3740174	0.001595	0	0.001595	0.0001562
2235	419761.72	3740166	6.28E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.56E-03	0.00E+00	0.00E+00	7.90E-05	1.53E-04	0.00E+00	0.00E+00	419761.7	3740166	0.001565	0	0.001565	0.000153213
2236	419757.19	3740157	6.15E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	1.53E-03	0.00E+00	0.00E+00	7.73E-05	1.50E-04	0.00E+00	0.00E+00	419757.2	3740157	0.001532	0	0.001532	0.00015004
2237	419752.66	3740148	6.01E-04	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	1.50E-03	0.00E+00	0.00E+00	7.56E-05	1.47E-04	0.00E+00	0.00E+00	419752.7	3740148	0.001499	0	0.001499	0.00014678
2238	419748.13	3740140	5.87E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.46E-03	0.00E+00	0.00E+00	7.39E-05	1.43E-04	0.00E+00	0.00E+00	419748.1	3740140	0.001464	0	0.001464	0.000143372
2239	419743.6	3740131	5.73E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.43E-03	0.00E+00	0.00E+00	7.21E-05	1.40E-04	0.00E+00	0.00E+00	419743.6	3740131	0.001428	0	0.001428	0.000139847
2240	420179.54	3740431	1.10E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.75E-03	0.00E+00	0.00E+00	1.39E-04	2.69E-04	0.00E+00	0.00E+00	420179.5	3740431	0.002749	0	0.002749	0.000269168
2241	420188.89	3740428	1.15E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.88E-03	0.00E+00	0.00E+00	1.45E-04	2.82E-04	0.00E+00	0.00E+00	420188.9	3740428	0.002877	0	0.002877	0.000281711
2242	420198.24	3740425	1.21E-03	3.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	3.01E-03	0.00E+00	0.00E+00	1.52E-04	2.95E-04	0.00E+00	0.00E+00	420198.2	3740425	0.003008	0	0.003008	0.000294529
2243	420207.59	3740421	1.26E-03	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	3.14E-03	0.00E+00	0.00E+00	1.58E-04	3.07E-04	0.00E+00	0.00E+00	420207.6	3740421	0.00314	0	0.00314	0.000307474
2244	420244.98	3740408	1.47E-03	3.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	3.68E-03	0.00E+00	0.00E+00	1.85E-04	3.60E-04	0.00E+00	0.00E+00	420245	3740408	0.003675	0	0.003675	0.00035988
2245	420254.33	3740405	1.52E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	3.80E-03	0.00E+00	0.00E+00	1.92E-04	3.72E-04	0.00E+00	0.00E+00	420254.3	3740405	0.0038	0	0.0038	0.000372051
2246	420263.68	3740402	1.57E-03	3.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	3.92E-03	0.00E+00	0.00E+00	1.98E-04	3.83E-04	0.00E+00	0.00E+00	420263.7	3740402	0.003915	0	0.003915	0.00038338
2247	420273.03	3740398	1.61E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	4.02E-03	0.00E+00	0.00E+00	2.03E-04	3.94E-04	0.00E+00	0.00E+00	420273	3740398	0.004023	0	0.004023	0.000393916
2248	420282.38	3740395	1.65E-03	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	4.12E-03	0.00E+00	0.00E+00	2.08E-04	4.04E-04	0.00E+00	0.00E+00	420282.4	3740395	0.004125	0	0.004125	0.000403894
2249	420291.73	3740392	1.69E-03	4.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	4.21E-03	0.00E+00	0.00E+00	2.13E-04	4.13E-04	0.00E+00	0.00E+00	420291.7	3740392	0.004215	0	0.004215	0.000412697
2250	420301.08	3740388	1.72E-03	4.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	4.29E-03	0.00E+00	0.00E+00	2.16E-04	4.20E-04	0.00E+00	0.00E+00	420301.1	3740388	0.00429	0	0.00429	0.00042009
2251	420310.43	3740385	1.75E-03	4.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	4.35E-03	0.00E+00	0.00E+00	2.20E-04	4.26E-04	0.00E+00	0.00E+00	420310.4	3740385	0.004354	0	0.004354	0.000426347
2252	420319.78	3740382	1.77E-03	4.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	4.41E-03	0.00E+00	0.00E+00	2.22E-04	4.31E-04	0.00E+00	0.00E+00	420319.8	3740382	0.004406	0	0.004406	0.00043138
2253	420179.95	3740458	9.62E-04	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	2.40E-03	0.00E+00	0.00E+00	1.21E-04	2.35E-04	0.00E+00	0.00E+00	420180	3740458	0.002399	0	0.002399	0.000234897
2254	420170.33	3740457	9.39E-04	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04	2.34E-03	0.00E+00	0.00E+00	1.18E-04	2.29E-04	0.00E+00	0.00E+00	420170.3	3740457	0.002341	0	0.002341	0.000229266
2255	420160.7	3740456	9.16E-04	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-04	2.28E-03	0.00E+00	0.00E+00	1.15E-04	2.24E-04	0.00E+00	0.00E+00	420160.7	3740456	0.002283	0	0.002283	0.000223528
2256	420151.07	3740454	8.92E-04	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	2.22E-03	0.00E+00	0.00E+00	1.12E-04	2.18E-04	0.00E+00	0.00E+00	420151.1	3740454	0.002224	0	0.002224	0.000217741
2257	420141.44	3740453	8.71E-04	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	2.17E-03	0.00E+00	0.00E+00	1.10E-04	2.13E-04	0.00E+00	0.00E+00	420141.4	3740453	0.002171	0	0.002171	0.000212561
2258	420131.82	3740452	8.50E-04	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	2.12E-03	0.00E+00	0.00E+00	1.07E-04	2.07E-04	0.00E+00	0.00E+00	420131.8	3740452	0.002119	0	0.002119	0.00020746
2259	420122.19	3740451	8.29E-04	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	2.07E-03	0.00E+00	0.00E+00	1.04E-04	2.02E-04	0.00E+00	0.00E+00	420122.2	3740451	0.002067	0	0.002067	0.000202388
2260	420112.56	3740449	8.09E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.97E-04	0.00E+00	0.00E+00	420112.6	3740449	0.002016	0	0.002016	0.000197364
2261	420102.94	3740448	7.88E-04	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	1.96E-03	0.00E+00	0.00E+00	9.91E-05	1.92E-04	0.00E+00	0.00E+00	420102.9	3740448	0.001964	0	0.001964	0.000192331
2262	420093.31	3740447	7.67E-04	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.91E-03	0.00E+00	0.00E+00	9.65E-05	1.87E-04	0.00E+00	0.00E+00	420093.3	3740447	0.001913	0	0.001913	0.000187308
2263	420083.68	3740445	7.47E-04	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-04	1.86E-03	0.00E+00	0.00E+00	9.40E-05	1.82E-04	0.00E+00	0.00E+00	420083.7	3740445	0.001863	0	0.001863	0.000182383
2264	420074.05	3740444	7.28E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	1.81E-03	0.00E+00	0.00E+00	9.15E-05	1.78E-04	0.00E+00	0.00E+00	420074.1	3740444	0.001814	0	0.001814	0.000177634
2265	420064.43	3740443	7.09E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.77E-03	0.00E+00	0.00E+00	8.92E-05	1.73E-04	0.00E+00	0.00E+00	420064.4	3740443	0.001768	0	0.001768	0.000173081
2266	420054.8	3740441	6.92E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	1.72E-03	0.00E+00	0.00E+00	8.70E-05	1.69E-04	0.00E+00	0.00E+00	420054.8	3740441	0.001724	0	0.001724	0.000168772
2267	420045.17	3740440	6.75E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	1.68E-03	0.00E+00	0.00E+00	8.49E-05	1.65E-04	0.00E+00	0.00E+00	420045.2	3740440	0.001682	0	0.001682	0.000164709
2268	420035.54	3740439	6.59E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	1.64E-03	0.00E+00	0.00E+00	8.29E-05	1.61E-04	0.00E+00	0.00E+00	420035.5	3740439	0.001643	0	0.001643	0.000160831
2269	420025.92	3740437	6.45E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.61E-03	0.00E+00	0.00E+00	8.11E-05	1.57E-04	0.00E+00	0.00E+00	420025.9	3740437	0.001608	0	0.001608	0.000157453
2270	420016.29	3740436	6.33E-04	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	1.58E-03	0.00E+00	0.00E+00	7.97E-05	1.55E-04	0.00E+00	0.00E+00	420016.3	3740436	0.001579	0	0.001579	0.000154574
2271	420006.66	3740435	6.22E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	1.55E-03	0.00E+00	0.00E+00	7.82E-05	1.52E-04	0.00E+00	0.00E+00	420006.7	3740435	0.00155	0	0.00155	0.000151793
2272	419997.04	3740433	6.11E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	1.52E-03	0.00E+00	0.00E+00	7.68E-05	1.49E-04	0.00E+00	0.00E+00	419997	3740433	0.001522	0	0.001522	0.000149071
2273	419987.41	3740432	6.00E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.49E-03	0.00E+00	0.00E+00	7.54E-05	1.46E-04	0.00E+00	0.00E+00	419987.4	3740432	0.001495	0	0.001495	0.000146378
2274	419977.78	3740431	5.89E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	1.47E-03	0.00E+00	0.00E+00	7.41E-05	1.44E-04	0.00E+00	0.00E+00	419977.8	3740431	0.001468	0	0.001468	0.000143783
2275	419968.15	3740430	5.79E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	1.44E-03	0.00E+00	0.00E+00	7.28E-05	1.41E-04	0.00E+00	0.00E+00	419968.2	3740430	0.001443	0	0.001443	0.000141257
2276	419958.53	3740428	5.68E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.42E-03	0.00E+00	0.00E+00	7.15E-05	1.39E-04	0.00E+00	0.00E+00	419958.5	3740428	0.001417	0	0.001417	0.000138721
2277	419948.9	3740427	5.58E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	1.39E-03	0.00E+00	0.00E+00	7.02E-05	1.36E-04	0.00E+00	0.00E+00	419948.9	3740427	0.001392	0	0.001392	0.000136273
2278	419939.27	3740426	5.49E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.37E-03	0.00E+00	0.00E+00	6.90E-05	1.34E-04	0.00E+00	0.00E+00	419939.3	3740426	0.001368	0	0.001368	0.000133904
2279	419929.65	3740424	5.39E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	1.34E-03	0.00E+00	0.00E+00	6.78E-05	1.32E-04	0.00E+00	0.00E+00	419929.7	3740424	0.001344	0	0.001344	0.000131642
2280	419920.02	3740423	5.30E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.

2349	419960.03	3740455	5.18E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	1.29E-03	0.00E+00	0.00E+00	6.51E-05	1.26E-04	0.00E+00	0.00E+00	419960	3740455	0.00129	0	0.00129	0.000126325
2350	419950.44	3740454	5.09E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	1.27E-03	0.00E+00	0.00E+00	6.40E-05	1.24E-04	0.00E+00	0.00E+00	419950.4	3740454	0.001268	0	0.001268	0.0001242
2351	419940.86	3740453	5.00E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	1.25E-03	0.00E+00	0.00E+00	6.29E-05	1.22E-04	0.00E+00	0.00E+00	419940.9	3740453	0.001247	0	0.001247	0.000122095
2352	419931.27	3740451	4.92E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	1.23E-03	0.00E+00	0.00E+00	6.19E-05	1.20E-04	0.00E+00	0.00E+00	419931.3	3740451	0.001227	0	0.001227	0.000120107
2353	419921.69	3740450	4.84E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	1.21E-03	0.00E+00	0.00E+00	6.09E-05	1.18E-04	0.00E+00	0.00E+00	419921.7	3740450	0.001207	0	0.001207	0.000118168
2354	419912.11	3740449	4.76E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	1.19E-03	0.00E+00	0.00E+00	5.99E-05	1.16E-04	0.00E+00	0.00E+00	419912.1	3740449	0.001188	0	0.001188	0.000116278
2355	419902.52	3740448	4.69E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	1.17E-03	0.00E+00	0.00E+00	5.90E-05	1.15E-04	0.00E+00	0.00E+00	419902.5	3740448	0.00117	0	0.00117	0.000114525
2356	419892.94	3740446	4.62E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	1.15E-03	0.00E+00	0.00E+00	5.81E-05	1.13E-04	0.00E+00	0.00E+00	419892.9	3740446	0.001152	0	0.001152	0.000112831
2357	419883.36	3740445	4.56E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	1.14E-03	0.00E+00	0.00E+00	5.73E-05	1.11E-04	0.00E+00	0.00E+00	419883.4	3740445	0.001135	0	0.001135	0.000111177
2358	419873.77	3740444	4.49E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	1.12E-03	0.00E+00	0.00E+00	5.64E-05	1.10E-04	0.00E+00	0.00E+00	419873.8	3740444	0.001119	0	0.001119	0.000109522
2359	419864.19	3740442	4.42E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	1.10E-03	0.00E+00	0.00E+00	5.56E-05	1.08E-04	0.00E+00	0.00E+00	419864.2	3740442	0.001102	0	0.001102	0.000107857
2360	419854.6	3740441	4.35E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.08E-03	0.00E+00	0.00E+00	5.47E-05	1.06E-04	0.00E+00	0.00E+00	419854.6	3740441	0.001085	0	0.001085	0.000106222
2361	419840.53	3740431	4.36E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	1.09E-03	0.00E+00	0.00E+00	5.48E-05	1.06E-04	0.00E+00	0.00E+00	419840.5	3740431	0.001086	0	0.001086	0.0001063
2362	419836.05	3740423	4.43E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	1.11E-03	0.00E+00	0.00E+00	5.58E-05	1.08E-04	0.00E+00	0.00E+00	419836.1	3740423	0.001105	0	0.001105	0.000108229
2363	419831.57	3740414	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.68E-05	1.10E-04	0.00E+00	0.00E+00	419831.6	3740414	0.001126	0	0.001126	0.000110227
2364	419827.08	3740405	4.60E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	1.15E-03	0.00E+00	0.00E+00	5.78E-05	1.12E-04	0.00E+00	0.00E+00	419827.1	3740405	0.001146	0	0.001146	0.000112234
2365	419822.6	3740397	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.89E-05	1.14E-04	0.00E+00	0.00E+00	419822.6	3740397	0.001166	0	0.001166	0.000114212
2366	419818.11	3740388	4.76E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	1.19E-03	0.00E+00	0.00E+00	5.98E-05	1.16E-04	0.00E+00	0.00E+00	419818.1	3740388	0.001186	0	0.001186	0.000116131
2367	419813.63	3740380	4.84E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	1.21E-03	0.00E+00	0.00E+00	6.09E-05	1.18E-04	0.00E+00	0.00E+00	419813.6	3740380	0.001206	0	0.001206	0.000118129
2368	419809.14	3740371	4.92E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	1.23E-03	0.00E+00	0.00E+00	6.19E-05	1.20E-04	0.00E+00	0.00E+00	419809.1	3740371	0.001227	0	0.001227	0.000120136
2369	419804.66	3740363	5.01E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	1.25E-03	0.00E+00	0.00E+00	6.30E-05	1.22E-04	0.00E+00	0.00E+00	419804.7	3740363	0.001248	0	0.001248	0.000122173
2370	419800.17	3740354	5.08E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	1.27E-03	0.00E+00	0.00E+00	6.39E-05	1.24E-04	0.00E+00	0.00E+00	419800.2	3740354	0.001267	0	0.001267	0.000124092
2371	419795.69	3740345	5.16E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	1.29E-03	0.00E+00	0.00E+00	6.49E-05	1.26E-04	0.00E+00	0.00E+00	419795.7	3740345	0.001285	0	0.001285	0.000125864
2372	419764.29	3740285	5.51E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.37E-03	0.00E+00	0.00E+00	6.93E-05	1.35E-04	0.00E+00	0.00E+00	419764.3	3740285	0.001374	0	0.001374	0.000134511
2373	419759.81	3740277	5.53E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.38E-03	0.00E+00	0.00E+00	6.95E-05	1.35E-04	0.00E+00	0.00E+00	419759.8	3740277	0.001378	0	0.001378	0.000134883
2374	419755.32	3740268	5.53E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	1.38E-03	0.00E+00	0.00E+00	6.96E-05	1.35E-04	0.00E+00	0.00E+00	419755.3	3740268	0.001379	0	0.001379	0.000134981
2375	419750.84	3740260	5.52E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	1.38E-03	0.00E+00	0.00E+00	6.95E-05	1.35E-04	0.00E+00	0.00E+00	419750.8	3740260	0.001377	0	0.001377	0.000134834
2376	419737.38	3740234	5.44E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.35E-03	0.00E+00	0.00E+00	6.84E-05	1.33E-04	0.00E+00	0.00E+00	419737.4	3740234	0.001355	0	0.001355	0.00013265
2377	419732.9	3740225	5.38E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	1.34E-03	0.00E+00	0.00E+00	6.76E-05	1.31E-04	0.00E+00	0.00E+00	419732.9	3740225	0.00134	0	0.00134	0.00013125
2378	419728.41	3740217	5.31E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	1.32E-03	0.00E+00	0.00E+00	6.68E-05	1.30E-04	0.00E+00	0.00E+00	419728.4	3740217	0.001324	0	0.001324	0.000129644
2379	419723.93	3740208	5.25E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	1.31E-03	0.00E+00	0.00E+00	6.60E-05	1.28E-04	0.00E+00	0.00E+00	419723.9	3740208	0.001308	0	0.001308	0.000128058
2380	419719.44	3740200	5.17E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	1.29E-03	0.00E+00	0.00E+00	6.51E-05	1.26E-04	0.00E+00	0.00E+00	419719.4	3740200	0.00129	0	0.00129	0.000126266
2381	419714.96	3740191	5.09E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	1.27E-03	0.00E+00	0.00E+00	6.41E-05	1.24E-04	0.00E+00	0.00E+00	419715	3740191	0.00127	0	0.00127	0.000124308
2382	419710.47	3740183	5.00E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	1.25E-03	0.00E+00	0.00E+00	6.29E-05	1.22E-04	0.00E+00	0.00E+00	419710.5	3740183	0.001247	0	0.001247	0.000122114
2383	419705.99	3740174	4.91E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	1.22E-03	0.00E+00	0.00E+00	6.17E-05	1.20E-04	0.00E+00	0.00E+00	419706	3740174	0.001223	0	0.001223	0.000119784
2384	419701.5	3740165	4.81E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	1.20E-03	0.00E+00	0.00E+00	6.05E-05	1.17E-04	0.00E+00	0.00E+00	419701.5	3740165	0.001198	0	0.001198	0.000117345
2385	419697.02	3740157	4.71E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	1.17E-03	0.00E+00	0.00E+00	5.92E-05	1.15E-04	0.00E+00	0.00E+00	419697	3740157	0.001173	0	0.001173	0.000114858
2386	419692.53	3740148	4.60E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	1.15E-03	0.00E+00	0.00E+00	5.79E-05	1.12E-04	0.00E+00	0.00E+00	419692.5	3740148	0.001147	0	0.001147	0.000112352
2387	419688.05	3740140	4.50E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	1.12E-03	0.00E+00	0.00E+00	5.66E-05	1.10E-04	0.00E+00	0.00E+00	419688.1	3740140	0.001122	0	0.001122	0.000109865
2388	419683.56	3740131	4.40E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	1.10E-03	0.00E+00	0.00E+00	5.54E-05	1.07E-04	0.00E+00	0.00E+00	419683.6	3740131	0.001097	0	0.001097	0.000107417
2389	420199.62	3740488	8.84E-04	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	2.20E-03	0.00E+00	0.00E+00	1.11E-04	2.16E-04	0.00E+00	0.00E+00	420199.6	3740488	0.002203	0	0.002203	0.000215724
2390	420208.97	3740485	9.21E-04	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	2.29E-03	0.00E+00	0.00E+00	1.16E-04	2.25E-04	0.00E+00	0.00E+00	420209	3740485	0.002294	0	0.002294	0.000224654
2391	420246.37	3740471	1.07E-03	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.66E-03	0.00E+00	0.00E+00	1.34E-04	2.60E-04	0.00E+00	0.00E+00	420246.4	3740471	0.00266	0	0.00266	0.000260473
2392	420255.72	3740468	1.10E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.75E-03	0.00E+00	0.00E+00	1.39E-04	2.69E-04	0.00E+00	0.00E+00	420255.7	3740468	0.00275	0	0.00275	0.000269227
2393	420265.07	3740465	1.14E-03	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.84E-03	0.00E+00	0.00E+00	1.43E-04	2.78E-04	0.00E+00	0.00E+00	420265.1	3740465	0.002837	0	0.002837	0.000277765
2394	420274.42	3740461	1.17E-03	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.92E-03	0.00E+00	0.00E+00	1.47E-04	2.86E-04	0.00E+00	0.00E+00	420274.4	3740461	0.002921	0	0.002921	0.00028601
2395	420283.77	3740458	1.20E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	3.00E-03	0.00E+00	0.00E+00	1.51E-04	2.94E-04	0.00E+00	0.00E+00	420283.8	3740458	0.003001	0	0.003001	0.000293883
2396	420293.12	3740455	1.23E-03	3.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	3.08E-03	0.00E+00	0.00E+00	1.55E-04	3.01E-04	0.00E+00	0.00E+00	420293.1	3740455	0.003077	0	0.003077	0.000301315
2397	420302.47	3740451	1.26E-03	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	3.15E-03	0.00E+00	0.00E+00	1.59E-04	3.08E-04	0.00E+00	0.00E+00	420302.5	3740451	0.003148	0	0.003148	0.000308228
2398	420311.82	3740448	1.29E-03	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	3.21E-03	0.00E+00	0.00E+00	1.62E-04	3.15E-04	0.00E+00	0.00E+00	420311.8	3740448	0.003212	0	0.003212	0.000314514
2399	420321.16	3740445	1.31E-03	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	3.27E-03	0.00E+00	0.00E+00	1.65E-04	3.20E-04	0.00E+00	0.00E+00	420321.2	3740445	0.003269	0	0.003269	0.000320115
2400	420330.51	3740441	1.33E-03	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	3.32E-03	0.00E+00	0.00E+00	1.68E-04	3.25E-04	0.00E+00	0.00E+00	420330.5	3740441	0.00332	0	0.00332	0.00032505
2401	420339.86	3740438	1.35E-03	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	3.36E-03	0.00E+00	0.00E+00	1.70E-04	3.29E-04	0.00E+00	0.00E+00	420339.9	3740438	0.003363	0	0.003363	0.000329329
2402	420199.87	3740515	7.84E-04	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.95E-03	0.00E+00	0.00E+00	9.86E-05	1.91E-04	0.00E+00	0.00E+00	420199.9	3740515	0.001954	0	0.001954	0.000191294
2403	420190.08	3740514	7.68E-04	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	1.91E-03	0.00E+00	0.00E+00	9.66E-05	1.88E-04	0.00E+00	0.00E+00	420190.1	3740514	0.001915	0	0.001915	0.000187504
2404	420180.29	3740512	7.52E-04	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	1.88E-03	0.00E+00	0.00E+00	9.46E-05	1.84E-04	0.00E+00	0.00E+00	420180.3	3740512	0.001875	0	0.001875	0.000183607
2405	420170.5	3740511	7.36E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.83E-03	0.00E+00	0.00E+00	9.26E-05	1.80E-04	0.00E+00	0.00E+00	420170.5	3740511	0.001835	0	0.001835	0.000179641
2406	420160.71	3740510	7.20E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.79E-03	0.00E+00	0.00E+00	9.05E-05	1.76E-04	0.00E+00	0.00E+00	420160.7	3740510	0.001794	0	0.001794	0.000175656
2407	420150.92	3740508	7.03E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.75E-03	0.00E+00	0.00E+00	8.85E-05	1.72E-04	0.00E+00	0.00E+00	420150.9	3740508	0.001753	0	0.001753	0.000171641
2408	420141.12	3740507	6.87E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	1.71E-03	0.00E+00	0.00E+00	8.64E-05	1.68E-04	0.00E+00	0.00E+00	420141.1	3740507	0.001713	0	0.001713	0.000167744
2409	420131.33	3740506	6.72E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.67E-03	0.00E+00	0.00E+00	8.45E-05	1.64E-04	0.00E+00	0.00E+00	420131.3	3740506	0.001674	0	0.001674	0.000163916
2410	420121.54	3740504	6.56E-04	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	1.64E-03	0.00E+00	0.00E+00	8.25E-05	1.60E-04	0.00E+00	0.00E+00	420121.5	3740504	0.001636	0	0.001636	0.000160165
2411	420111.75	3740503	6.41E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.60E-03	0.00E+00	0.00E+00	8.07E-05	1.57E-04	0.00E+00	0.00E+00	420111.8	3740503	0.001598	0	0.001598	0.000156513
2412	420101.96	3740502	6.27E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	1.56E-03	0.00E+00	0.00E+00	7.88E-05	1.53E-04	0.00E+00	0.00E+00	420102	3740502	0.001562	0	0.001562	0.000152968
2413	420092.16	3740500	6.13E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.53E-03	0.00E+00	0.00E+00	7.71E-05	1.50E-04	0.00E+00	0.00E+00	420092.2	3740500	0.001527	0	0.001527	0.000149541
2414	420082.37	3740499	6.00E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	1.49E-03	0.00E+00	0.00E+00	7.54E-05	1.46E-04	0.00E+00	0.00E+00	420082.4	3740499	0.001494	0	0.001494	0.000146329
2415	420072.58	3740498	5.87E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.46E-03	0.00E+00	0.00E+00	7.38E-05	1.43E-04	0.00E+00	0.00E+00	420072.6	3740498	0.001462	0	0.001462	0.000143157
2416	420062.79	3740496	5.73E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.43E-03	0.00E+00	0.00E+00	7.21E-05	1.40E-04	0.00E+00	0.00E+00	420062.8	3740496	0.001429	0	0.001429	0.000139925
2417	420053	3740495	5.61E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	1.40E-03	0.00E+00	0.00E+00	7.05E-05	1.37E-04	0.00E+00	0.00E+00	420053	3740495	0.001398	0	0.001398	0.000136861
2418	420043.21	3740494	5.49E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.37E-03	0.00E+00	0.00E+00	6.90E-05	1.34E-04	0.00E+00	0.00E+00	420043.2	3740494	0.001368	0	0.001368	0.000133952
2419	420033.41	3740492	5.37E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	1.34E-03	0.00E+00	0.00E+00	6.76E-05	1.31E-04	0.00E+00	0.00E+00	420033.4	3740492	0.001339	0	0.001339	0.000131152
2420	420023.62	3740491	5.27E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	1.31E-03	0.00E+00	0.00E+00	6.63E-05	1.29E-04	0.00E+00	0.00E+00	420023.6	3740491	0.001314	0	0.001314	0.000128626
2421	420013.83	3740490	5.18E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	1.29E-03	0.00E+00	0.00E+00	6.51E-05	1.26E-04	0.00E+00	0.00E+00	420013.8	3740490	0.00129	0	0.00129	0.000126305
2422	420004.04	3740488	5.09E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	1.27E-03	0.00E+00	0.00E+00	6.40E-05	1.24E-04	0.00E+00	0.00E+00	420004	3740488	0.001268	0	0.001268	0.000124112
2423	419994.25	3740487	5.00E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	1.25E-03	0.00E+00	0.00E+00	6.29E-05	1.22E-04	0.00E+00	0.00E+00	419994.3	3740487	0.001246	0	0.001246	0.000122006
2424	419984.45	3740486	4.92E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	1.23E-03	0.00E+00	0.00E+00	6.18E-05	1.20E-04	0.00E+00	0.00E+00	419984.5	3740486	0.001226	0	0.001226	0.000119999
2425	419974.66	3740484	4.84E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	1.21E-03	0.00E+00	0.00E+00	6.08E-05	1.18E-04	0.00E+00	0.00E+00	419974.7	3740484	0.001206	0	0.001206	0.00011807
2426	419964.87	3740483	4.76E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	1.19E-03	0.00E+00	0.00E+00	5.99E-05	1.16E-04	0.00E+00	0.00E+00	419964.9	3740483	0.001186	0	0.001186	0.000116151
2427	419955.08	3740482	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E

2496	420083.32	3740526	5.43E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.35E-03	0.00E+00	0.00E+00	6.83E-05	1.33E-04	0.00E+00	0.00E+00	420083.3	3740526	0.001354	0	0.001354	0.000132591
2497	420073.58	3740525	5.33E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	1.33E-03	0.00E+00	0.00E+00	6.70E-05	1.30E-04	0.00E+00	0.00E+00	420073.6	3740525	0.001327	0	0.001327	0.000129957
2498	420063.84	3740523	5.22E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	1.30E-03	0.00E+00	0.00E+00	6.57E-05	1.27E-04	0.00E+00	0.00E+00	420063.8	3740523	0.001301	0	0.001301	0.000127412
2499	420054.1	3740522	5.12E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	1.28E-03	0.00E+00	0.00E+00	6.44E-05	1.25E-04	0.00E+00	0.00E+00	420054.1	3740522	0.001275	0	0.001275	0.000124885
2500	420044.36	3740521	5.02E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	1.25E-03	0.00E+00	0.00E+00	6.31E-05	1.22E-04	0.00E+00	0.00E+00	420044.4	3740521	0.001251	0	0.001251	0.000122467
2501	420034.61	3740519	4.92E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	1.23E-03	0.00E+00	0.00E+00	6.19E-05	1.20E-04	0.00E+00	0.00E+00	420034.6	3740519	0.001227	0	0.001227	0.000120136
2502	420024.87	3740518	4.83E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	1.20E-03	0.00E+00	0.00E+00	6.08E-05	1.18E-04	0.00E+00	0.00E+00	420024.9	3740518	0.001204	0	0.001204	0.000117933
2503	420015.13	3740517	4.75E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	1.18E-03	0.00E+00	0.00E+00	5.97E-05	1.16E-04	0.00E+00	0.00E+00	420015.1	3740517	0.001183	0	0.001183	0.000115828
2504	420005.39	3740515	4.66E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	1.16E-03	0.00E+00	0.00E+00	5.87E-05	1.14E-04	0.00E+00	0.00E+00	420005.4	3740515	0.001163	0	0.001163	0.00011383
2505	419995.65	3740514	4.59E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	1.14E-03	0.00E+00	0.00E+00	5.77E-05	1.12E-04	0.00E+00	0.00E+00	419995.7	3740514	0.001143	0	0.001143	0.000111921
2506	419985.9	3740513	4.51E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	1.12E-03	0.00E+00	0.00E+00	5.67E-05	1.10E-04	0.00E+00	0.00E+00	419985.9	3740513	0.001124	0	0.001124	0.0001101
2507	419976.16	3740511	4.44E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	1.11E-03	0.00E+00	0.00E+00	5.58E-05	1.08E-04	0.00E+00	0.00E+00	419976.2	3740511	0.001107	0	0.001107	0.000108357
2508	419966.42	3740510	4.37E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	1.09E-03	0.00E+00	0.00E+00	5.50E-05	1.07E-04	0.00E+00	0.00E+00	419966.4	3740510	0.001089	0	0.001089	0.000106672
2509	419956.68	3740509	4.30E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	1.07E-03	0.00E+00	0.00E+00	5.41E-05	1.05E-04	0.00E+00	0.00E+00	419956.7	3740509	0.001073	0	0.001073	0.000105018
2510	419946.94	3740507	4.24E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.06E-03	0.00E+00	0.00E+00	5.33E-05	1.03E-04	0.00E+00	0.00E+00	419946.9	3740507	0.001056	0	0.001056	0.000103402
2511	419937.19	3740506	4.17E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.04E-03	0.00E+00	0.00E+00	5.25E-05	1.02E-04	0.00E+00	0.00E+00	419937.2	3740506	0.00104	0	0.00104	0.000101845
2512	419927.45	3740505	4.11E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	1.02E-03	0.00E+00	0.00E+00	5.17E-05	1.00E-04	0.00E+00	0.00E+00	419927.5	3740505	0.001025	0	0.001025	0.000100317
2513	419917.71	3740503	4.05E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	1.01E-03	0.00E+00	0.00E+00	5.09E-05	9.88E-05	0.00E+00	0.00E+00	419917.7	3740503	0.00101	0	0.00101	9.88487E-05
2514	419907.97	3740502	3.99E-04	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	9.95E-04	0.00E+00	0.00E+00	5.02E-05	9.74E-05	0.00E+00	0.00E+00	419908	3740502	0.000995	0	0.000995	9.74259E-05
2515	419898.23	3740501	3.94E-04	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	9.82E-04	0.00E+00	0.00E+00	4.95E-05	9.61E-05	0.00E+00	0.00E+00	419898.2	3740501	0.000982	0	0.000982	9.61452E-05
2516	419888.49	3740499	3.89E-04	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	9.69E-04	0.00E+00	0.00E+00	4.89E-05	9.49E-05	0.00E+00	0.00E+00	419888.5	3740499	0.000969	0	0.000969	9.49006E-05
2517	419878.74	3740498	3.84E-04	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	9.57E-04	0.00E+00	0.00E+00	4.83E-05	9.37E-05	0.00E+00	0.00E+00	419878.7	3740498	0.000957	0	0.000957	9.36708E-05
2518	419869	3740497	3.79E-04	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	9.44E-04	0.00E+00	0.00E+00	4.76E-05	9.24E-05	0.00E+00	0.00E+00	419869	3740497	0.000944	0	0.000944	9.2389E-05
2519	419859.26	3740495	3.73E-04	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	9.31E-04	0.00E+00	0.00E+00	4.70E-05	9.11E-05	0.00E+00	0.00E+00	419859.3	3740495	0.000931	0	0.000931	9.11249E-05
2520	419849.52	3740494	3.68E-04	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	9.18E-04	0.00E+00	0.00E+00	4.63E-05	8.99E-05	0.00E+00	0.00E+00	419849.5	3740494	0.000918	0	0.000918	8.98745E-05
2521	419839.78	3740493	3.63E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	9.05E-04	0.00E+00	0.00E+00	4.57E-05	8.86E-05	0.00E+00	0.00E+00	419839.8	3740493	0.000905	0	0.000905	8.86348E-05
2522	419830.03	3740491	3.58E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.93E-04	0.00E+00	0.00E+00	4.50E-05	8.74E-05	0.00E+00	0.00E+00	419830	3740491	0.000893	0	0.000893	8.74089E-05
2523	419820.29	3740490	3.53E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.80E-04	0.00E+00	0.00E+00	4.44E-05	8.62E-05	0.00E+00	0.00E+00	419820.3	3740490	0.00088	0	0.00088	8.62006E-05
2524	419805.99	3740480	3.54E-04	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	8.83E-04	0.00E+00	0.00E+00	4.45E-05	8.64E-05	0.00E+00	0.00E+00	419806	3740480	0.000883	0	0.000883	8.64454E-05
2525	419801.43	3740471	3.60E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.98E-04	0.00E+00	0.00E+00	4.53E-05	8.79E-05	0.00E+00	0.00E+00	419801.4	3740471	0.000898	0	0.000898	8.78955E-05
2526	419796.87	3740463	3.66E-04	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.13E-04	0.00E+00	0.00E+00	4.61E-05	8.94E-05	0.00E+00	0.00E+00	419796.9	3740463	0.000913	0	0.000913	8.93673E-05
2527	419764.96	3740402	4.09E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.02E-03	0.00E+00	0.00E+00	5.14E-05	9.97E-05	0.00E+00	0.00E+00	419765	3740402	0.001018	0	0.001018	9.97202E-05
2528	419760.4	3740393	4.15E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	1.03E-03	0.00E+00	0.00E+00	5.22E-05	1.01E-04	0.00E+00	0.00E+00	419760.4	3740393	0.001034	0	0.001034	0.000101218
2529	419755.84	3740384	4.20E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	1.05E-03	0.00E+00	0.00E+00	5.29E-05	1.03E-04	0.00E+00	0.00E+00	419755.8	3740384	0.001048	0	0.001048	0.000102619
2530	419751.28	3740376	4.26E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	1.06E-03	0.00E+00	0.00E+00	5.36E-05	1.04E-04	0.00E+00	0.00E+00	419751.3	3740376	0.001062	0	0.001062	0.00010395
2531	419746.73	3740367	4.31E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	1.07E-03	0.00E+00	0.00E+00	5.42E-05	1.05E-04	0.00E+00	0.00E+00	419746.7	3740367	0.001074	0	0.001074	0.000105174
2532	419742.17	3740358	4.35E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.09E-03	0.00E+00	0.00E+00	5.48E-05	1.06E-04	0.00E+00	0.00E+00	419742.2	3740358	0.001085	0	0.001085	0.000106261
2533	419737.61	3740349	4.39E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	1.10E-03	0.00E+00	0.00E+00	5.53E-05	1.07E-04	0.00E+00	0.00E+00	419737.6	3740349	0.001095	0	0.001095	0.00010726
2534	419733.05	3740341	4.43E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	1.10E-03	0.00E+00	0.00E+00	5.57E-05	1.08E-04	0.00E+00	0.00E+00	419733.1	3740341	0.001105	0	0.001105	0.000108161
2535	419728.49	3740332	4.46E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	1.11E-03	0.00E+00	0.00E+00	5.61E-05	1.09E-04	0.00E+00	0.00E+00	419728.5	3740332	0.001112	0	0.001112	0.000108925
2536	419723.93	3740323	4.49E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	1.12E-03	0.00E+00	0.00E+00	5.64E-05	1.10E-04	0.00E+00	0.00E+00	419723.9	3740323	0.001119	0	0.001119	0.000109532
2537	419719.37	3740315	4.51E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	1.12E-03	0.00E+00	0.00E+00	5.67E-05	1.10E-04	0.00E+00	0.00E+00	419719.4	3740315	0.001123	0	0.001123	0.000110002
2538	419714.81	3740306	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.68E-05	1.10E-04	0.00E+00	0.00E+00	419714.8	3740306	0.001126	0	0.001126	0.000110295
2539	419710.25	3740297	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00	419710.3	3740297	0.001127	0	0.001127	0.000110374
2540	419705.7	3740288	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.68E-05	1.10E-04	0.00E+00	0.00E+00	419705.7	3740288	0.001126	0	0.001126	0.000110246
2541	419701.14	3740280	4.50E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	1.12E-03	0.00E+00	0.00E+00	5.66E-05	1.10E-04	0.00E+00	0.00E+00	419701.1	3740280	0.001123	0	0.001123	0.000109923
2542	419682.9	3740245	4.40E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	1.10E-03	0.00E+00	0.00E+00	5.53E-05	1.07E-04	0.00E+00	0.00E+00	419682.9	3740245	0.001096	0	0.001096	0.000107358
2543	419678.34	3740236	4.36E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	1.09E-03	0.00E+00	0.00E+00	5.48E-05	1.06E-04	0.00E+00	0.00E+00	419678.3	3740236	0.001085	0	0.001085	0.000106281
2544	419673.78	3740227	4.31E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	1.07E-03	0.00E+00	0.00E+00	5.42E-05	1.05E-04	0.00E+00	0.00E+00	419673.8	3740227	0.001073	0	0.001073	0.000105106
2545	419669.22	3740219	4.25E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	1.06E-03	0.00E+00	0.00E+00	5.35E-05	1.04E-04	0.00E+00	0.00E+00	419669.2	3740219	0.00106	0	0.00106	0.000103803
2546	419664.67	3740210	4.19E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	1.04E-03	0.00E+00	0.00E+00	5.27E-05	1.02E-04	0.00E+00	0.00E+00	419664.7	3740210	0.001045	0	0.001045	0.000102295
2547	419660.11	3740201	4.13E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	1.03E-03	0.00E+00	0.00E+00	5.19E-05	1.01E-04	0.00E+00	0.00E+00	419660.1	3740201	0.001028	0	0.001028	0.00010068
2548	419655.55	3740193	4.06E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	1.01E-03	0.00E+00	0.00E+00	5.10E-05	9.90E-05	0.00E+00	0.00E+00	419655.6	3740193	0.001011	0	0.001011	9.89858E-05
2549	419650.99	3740184	3.98E-04	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	9.92E-04	0.00E+00	0.00E+00	5.01E-05	9.71E-05	0.00E+00	0.00E+00	419651	3740184	0.000992	0	0.000992	9.71449E-05
2550	419646.43	3740175	3.90E-04	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	9.73E-04	0.00E+00	0.00E+00	4.91E-05	9.52E-05	0.00E+00	0.00E+00	419646.4	3740175	0.000973	0	0.000973	9.52365E-05
2551	419641.87	3740167	3.82E-04	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.53E-04	0.00E+00	0.00E+00	4.81E-05	9.33E-05	0.00E+00	0.00E+00	419641.9	3740167	0.000953	0	0.000953	9.33075E-05
2552	419637.31	3740158	3.75E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	9.34E-04	0.00E+00	0.00E+00	4.71E-05	9.14E-05	0.00E+00	0.00E+00	419637.3	3740158	0.000934	0	0.000934	9.14226E-05
2553	419632.75	3740149	3.67E-04	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	9.16E-04	0.00E+00	0.00E+00	4.62E-05	8.97E-05	0.00E+00	0.00E+00	419632.8	3740149	0.000916	0	0.000916	8.96561E-05
2554	419628.19	3740140	3.60E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.98E-04	0.00E+00	0.00E+00	4.53E-05	8.79E-05	0.00E+00	0.00E+00	419628.2	3740140	0.000898	0	0.000898	8.78828E-05
2555	419623.64	3740132	3.53E-04	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.79E-04	0.00E+00	0.00E+00	4.44E-05	8.61E-05	0.00E+00	0.00E+00	419623.6	3740132	0.000879	0	0.000879	8.61183E-05
2556	420247.76	3740535	8.04E-04	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04	2.00E-03	0.00E+00	0.00E+00	1.01E-04	1.96E-04	0.00E+00	0.00E+00	420247.8	3740535	0.002003	0	0.002003	0.00019615
2557	420257.11	3740531	8.30E-04	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	2.07E-03	0.00E+00	0.00E+00	1.04E-04	2.03E-04	0.00E+00	0.00E+00	420257.1	3740531	0.002069	0	0.002069	0.000202544
2558	420266.46	3740528	8.56E-04	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04	2.13E-03	0.00E+00	0.00E+00	1.08E-04	2.09E-04	0.00E+00	0.00E+00	420266.5	3740528	0.002133	0	0.002133	0.000208889
2559	420275.8	3740525	8.82E-04	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	2.20E-03	0.00E+00	0.00E+00	1.11E-04	2.15E-04	0.00E+00	0.00E+00	420275.8	3740525	0.002198	0	0.002198	0.000215264
2560	420285.15	3740521	9.08E-04	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	2.26E-03	0.00E+00	0.00E+00	1.14E-04	2.22E-04	0.00E+00	0.00E+00	420285.2	3740521	0.002263	0	0.002263	0.000221609
2561	420294.5	3740518	9.33E-04	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	2.33E-03	0.00E+00	0.00E+00	1.17E-04	2.28E-04	0.00E+00	0.00E+00	420294.5	3740518	0.002325	0	0.002325	0.00022766
2562	420303.85	3740515	9.56E-04	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	2.38E-03	0.00E+00	0.00E+00	1.20E-04	2.33E-04	0.00E+00	0.00E+00	420303.9	3740515	0.002383	0	0.002383	0.00023331
2563	420313.2	3740511	9.78E-04	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	2.44E-03	0.00E+00	0.00E+00	1.23E-04	2.39E-04	0.00E+00	0.00E+00	420313.2	3740511	0.002438	0	0.002438	0.000238696
2564	420322.55	3740508	9.99E-04	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E-04	2.49E-03	0.00E+00	0.00E+00	1.26E-04	2.44E-04	0.00E+00	0.00E+00	420322.6	3740508	0.002489	0	0.002489	0.00024369
2565	420331.9	3740505	1.02E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.54E-03	0.00E+00	0.00E+00	1.28E-04	2.48E-04	0.00E+00	0.00E+00	420331.9	3740505	0.002536	0	0.002536	0.000248311
2566	420341.25	3740501	1.04E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.58E-03	0.00E+00	0.00E+00	1.30E-04	2.53E-04	0.00E+00	0.00E+00	420341.3	3740501	0.00258	0	0.00258	0.00025259
2567	420350.6	3740498	1.05E-03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.62E-03	0.00E+00	0.00E+00	1.32E-04	2.56E-04	0.00E+00	0.00E+00	420350.6	3740498	0.002619	0	0.002619	0.000256478
2568	420359.95	3740495	1.07E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.65E-03	0.00E+00	0.00E+00	1.34E-04	2.60E-04	0.00E+00	0.00E+00	420360	3740495	0.002655	0	0.002655	0.000259944
2569	420190.96	3740568	6.20E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.55E-03	0.00E+00	0.00E+00	7.80E-05	1.51E-04	0.00E+00	0.00E+00	420191	3740568	0.001547	0	0.001547	0.000151431
2570	420181.26	3740566	6.09E-04	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	1.52E-03	0.00E+00	0.00E+00	7.66E-05	1.49E-04	0.00E+00	0.00E+00	420181.3	3740566	0.001517	0	0.001517	0.000148581
2571	420171.56	3740565	5.97E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.49E-03	0.00E+00	0.00E+00	7.51E-05	1.46E-04	0.00E+00	0.00E+00	420171.6	3740565	0.001488	0	0.001488	0.000145683
2572	420161.86	3740564	5.85E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.46E-03	0.00E+00	0.00E+00	7.36E-05	1.43E-04	0.00E+00	0.00E+00	420161.9	3740564	0.001458	0	0.001458	0.000142775
2573	420152.16	3740562	5.73E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.43E-03	0.00E+00	0.00E+00	7.21E-05	1.40E-04	0.00E+00	0.00E+00	420152.2	3740562	0.001429	0	0.001429	0.000139877
2574	420142.46	3740561	5.61E-04	1.40E-03	0.00E+00	0.00

2643	420295.2	3740550	8.18E-04	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	2.04E-03	0.00E+00	0.00E+00	1.03E-04	2.00E-04	0.00E+00	0.00E+00	420295.2	3740550	0.00204	0	0.00204	0.000199724
2644	420304.55	3740546	8.39E-04	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04	2.09E-03	0.00E+00	0.00E+00	1.06E-04	2.05E-04	0.00E+00	0.00E+00	420304.6	3740546	0.002092	0	0.002092	0.000204885
2645	420313.9	3740543	8.60E-04	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	2.14E-03	0.00E+00	0.00E+00	1.08E-04	2.10E-04	0.00E+00	0.00E+00	420313.9	3740543	0.002143	0	0.002143	0.00020979
2646	420323.24	3740540	8.79E-04	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	2.19E-03	0.00E+00	0.00E+00	1.11E-04	2.14E-04	0.00E+00	0.00E+00	420323.2	3740540	0.00219	0	0.00219	0.000214441
2647	420332.59	3740536	8.97E-04	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-04	2.23E-03	0.00E+00	0.00E+00	1.13E-04	2.19E-04	0.00E+00	0.00E+00	420332.6	3740536	0.002235	0	0.002235	0.000218828
2648	420341.94	3740533	9.13E-04	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	2.28E-03	0.00E+00	0.00E+00	1.15E-04	2.23E-04	0.00E+00	0.00E+00	420341.9	3740533	0.002276	0	0.002276	0.000222902
2649	420351.29	3740530	9.29E-04	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	2.31E-03	0.00E+00	0.00E+00	1.17E-04	2.27E-04	0.00E+00	0.00E+00	420351.3	3740530	0.002315	0	0.002315	0.000226652
2650	420360.64	3740526	9.43E-04	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04	2.35E-03	0.00E+00	0.00E+00	1.19E-04	2.30E-04	0.00E+00	0.00E+00	420360.6	3740526	0.002349	0	0.002349	0.00023004
2651	420369.99	3740523	9.55E-04	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04	2.38E-03	0.00E+00	0.00E+00	1.20E-04	2.33E-04	0.00E+00	0.00E+00	420370	3740523	0.002381	0	0.002381	0.000233134
2652	420220.47	3740598	5.92E-04	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.48E-03	0.00E+00	0.00E+00	7.45E-05	1.45E-04	0.00E+00	0.00E+00	420220.5	3740598	0.001476	0	0.001476	0.000144567
2653	420210.81	3740597	5.83E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.45E-03	0.00E+00	0.00E+00	7.33E-05	1.42E-04	0.00E+00	0.00E+00	420210.8	3740597	0.001452	0	0.001452	0.000142207
2654	420201.15	3740596	5.73E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.43E-03	0.00E+00	0.00E+00	7.20E-05	1.40E-04	0.00E+00	0.00E+00	420201.2	3740596	0.001427	0	0.001427	0.00013972
2655	419998.28	3740568	3.89E-04	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	9.71E-04	0.00E+00	0.00E+00	4.90E-05	9.50E-05	0.00E+00	0.00E+00	419998.3	3740568	0.000971	0	0.000971	9.50348E-05
2656	419988.62	3740567	3.84E-04	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	9.57E-04	0.00E+00	0.00E+00	4.83E-05	9.37E-05	0.00E+00	0.00E+00	419988.6	3740567	0.000957	0	0.000957	9.36737E-05
2657	419978.96	3740566	3.78E-04	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.43E-04	0.00E+00	0.00E+00	4.76E-05	9.24E-05	0.00E+00	0.00E+00	419979	3740566	0.000943	0	0.000943	9.23587E-05
2658	419969.29	3740564	3.73E-04	9.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	9.30E-04	0.00E+00	0.00E+00	4.69E-05	9.11E-05	0.00E+00	0.00E+00	419969.3	3740564	0.00093	0	0.00093	9.10789E-05
2659	419959.63	3740563	3.68E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	9.17E-04	0.00E+00	0.00E+00	4.63E-05	8.98E-05	0.00E+00	0.00E+00	419959.6	3740563	0.000917	0	0.000917	8.98216E-05
2660	419949.97	3740562	3.63E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	9.05E-04	0.00E+00	0.00E+00	4.56E-05	8.86E-05	0.00E+00	0.00E+00	419950	3740562	0.000905	0	0.000905	8.85771E-05
2661	419940.31	3740560	3.58E-04	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.92E-04	0.00E+00	0.00E+00	4.50E-05	8.74E-05	0.00E+00	0.00E+00	419940.3	3740560	0.000892	0	0.000892	8.73531E-05
2662	419930.65	3740559	3.53E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.80E-04	0.00E+00	0.00E+00	4.44E-05	8.62E-05	0.00E+00	0.00E+00	419930.7	3740559	0.00088	0	0.00088	8.61634E-05
2663	419920.99	3740558	3.48E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.68E-04	0.00E+00	0.00E+00	4.38E-05	8.50E-05	0.00E+00	0.00E+00	419921	3740558	0.000868	0	0.000868	8.5004E-05
2664	419911.33	3740556	3.44E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.57E-04	0.00E+00	0.00E+00	4.32E-05	8.39E-05	0.00E+00	0.00E+00	419911.3	3740556	0.000857	0	0.000857	8.38691E-05
2665	419901.67	3740555	3.39E-04	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	8.46E-04	0.00E+00	0.00E+00	4.27E-05	8.29E-05	0.00E+00	0.00E+00	419901.7	3740555	0.000846	0	0.000846	8.28557E-05
2666	419892.01	3740554	3.35E-04	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	8.36E-04	0.00E+00	0.00E+00	4.22E-05	8.19E-05	0.00E+00	0.00E+00	419892	3740554	0.000836	0	0.000836	8.18775E-05
2667	419882.35	3740552	3.32E-04	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	8.26E-04	0.00E+00	0.00E+00	4.17E-05	8.09E-05	0.00E+00	0.00E+00	419882.4	3740552	0.000826	0	0.000826	8.09198E-05
2668	419872.69	3740551	3.27E-04	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	8.16E-04	0.00E+00	0.00E+00	4.12E-05	7.99E-05	0.00E+00	0.00E+00	419872.7	3740551	0.000816	0	0.000816	7.99171E-05
2669	419863.03	3740550	3.23E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.06E-04	0.00E+00	0.00E+00	4.07E-05	7.89E-05	0.00E+00	0.00E+00	419863	3740550	0.000806	0	0.000806	7.89086E-05
2670	419853.37	3740548	3.19E-04	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	7.96E-04	0.00E+00	0.00E+00	4.02E-05	7.79E-05	0.00E+00	0.00E+00	419853.4	3740548	0.000796	0	0.000796	7.79245E-05
2671	419843.71	3740547	3.15E-04	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	7.86E-04	0.00E+00	0.00E+00	3.96E-05	7.69E-05	0.00E+00	0.00E+00	419843.7	3740547	0.000786	0	0.000786	7.69189E-05
2672	419834.05	3740546	3.11E-04	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	7.75E-04	0.00E+00	0.00E+00	3.91E-05	7.59E-05	0.00E+00	0.00E+00	419834.1	3740546	0.000775	0	0.000775	7.59084E-05
2673	419824.38	3740544	3.07E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	7.65E-04	0.00E+00	0.00E+00	3.86E-05	7.49E-05	0.00E+00	0.00E+00	419824.4	3740544	0.000765	0	0.000765	7.49067E-05
2674	419814.72	3740543	3.03E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	7.56E-04	0.00E+00	0.00E+00	3.81E-05	7.40E-05	0.00E+00	0.00E+00	419814.7	3740543	0.000756	0	0.000756	7.40254E-05
2675	419805.06	3740542	3.00E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	7.48E-04	0.00E+00	0.00E+00	3.77E-05	7.32E-05	0.00E+00	0.00E+00	419805.1	3740542	0.000748	0	0.000748	7.32352E-05
2676	419795.4	3740541	2.97E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.40E-04	0.00E+00	0.00E+00	3.73E-05	7.25E-05	0.00E+00	0.00E+00	419795.4	3740541	0.00074	0	0.00074	7.24509E-05
2677	419767.04	3740521	2.99E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.45E-04	0.00E+00	0.00E+00	3.76E-05	7.29E-05	0.00E+00	0.00E+00	419767	3740521	0.000745	0	0.000745	7.29297E-05
2678	419762.52	3740512	3.03E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	7.56E-04	0.00E+00	0.00E+00	3.81E-05	7.40E-05	0.00E+00	0.00E+00	419762.5	3740512	0.000756	0	0.000756	7.39911E-05
2679	419758	3740503	3.08E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	7.67E-04	0.00E+00	0.00E+00	3.87E-05	7.51E-05	0.00E+00	0.00E+00	419758	3740503	0.000767	0	0.000767	7.5079E-05
2680	419753.48	3740495	3.12E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	7.78E-04	0.00E+00	0.00E+00	3.93E-05	7.62E-05	0.00E+00	0.00E+00	419753.5	3740495	0.000778	0	0.000778	7.61737E-05
2681	419748.96	3740486	3.17E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	7.89E-04	0.00E+00	0.00E+00	3.98E-05	7.73E-05	0.00E+00	0.00E+00	419749	3740486	0.000789	0	0.000789	7.72753E-05
2682	419744.44	3740477	3.21E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.00E-04	0.00E+00	0.00E+00	4.04E-05	7.84E-05	0.00E+00	0.00E+00	419744.4	3740477	0.0008	0	0.0008	7.83818E-05
2683	419739.91	3740469	3.26E-04	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	8.12E-04	0.00E+00	0.00E+00	4.10E-05	7.95E-05	0.00E+00	0.00E+00	419739.9	3740469	0.000812	0	0.000812	7.94863E-05
2684	419735.39	3740460	3.30E-04	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	8.23E-04	0.00E+00	0.00E+00	4.15E-05	8.06E-05	0.00E+00	0.00E+00	419735.4	3740460	0.000823	0	0.000823	8.05908E-05
2685	419730.87	3740452	3.35E-04	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	8.35E-04	0.00E+00	0.00E+00	4.21E-05	8.17E-05	0.00E+00	0.00E+00	419730.9	3740452	0.000835	0	0.000835	8.17463E-05
2686	419726.35	3740443	3.40E-04	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	8.46E-04	0.00E+00	0.00E+00	4.27E-05	8.29E-05	0.00E+00	0.00E+00	419726.4	3740443	0.000846	0	0.000846	8.28762E-05
2687	419721.83	3740434	3.44E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.57E-04	0.00E+00	0.00E+00	4.33E-05	8.40E-05	0.00E+00	0.00E+00	419721.8	3740434	0.000857	0	0.000857	8.39622E-05
2688	419717.31	3740426	3.48E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.68E-04	0.00E+00	0.00E+00	4.38E-05	8.50E-05	0.00E+00	0.00E+00	419717.3	3740426	0.000868	0	0.000868	8.49991E-05
2689	419712.79	3740417	3.52E-04	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	8.78E-04	0.00E+00	0.00E+00	4.43E-05	8.60E-05	0.00E+00	0.00E+00	419712.8	3740417	0.000878	0	0.000878	8.60008E-05
2690	419708.27	3740408	3.56E-04	8.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.88E-04	0.00E+00	0.00E+00	4.48E-05	8.70E-05	0.00E+00	0.00E+00	419708.3	3740408	0.000888	0	0.000888	8.6979E-05
2691	419703.75	3740400	3.60E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.98E-04	0.00E+00	0.00E+00	4.53E-05	8.79E-05	0.00E+00	0.00E+00	419703.8	3740400	0.000898	0	0.000898	8.7922E-05
2692	419699.23	3740391	3.64E-04	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	9.07E-04	0.00E+00	0.00E+00	4.57E-05	8.88E-05	0.00E+00	0.00E+00	419699.2	3740391	0.000907	0	0.000907	8.8769E-05
2693	419694.71	3740382	3.67E-04	9.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	9.15E-04	0.00E+00	0.00E+00	4.62E-05	8.96E-05	0.00E+00	0.00E+00	419694.7	3740382	0.000915	0	0.000915	8.95709E-05
2694	419690.18	3740374	3.70E-04	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	9.22E-04	0.00E+00	0.00E+00	4.65E-05	9.03E-05	0.00E+00	0.00E+00	419690.2	3740374	0.000922	0	0.000922	9.02936E-05
2695	419685.66	3740365	3.73E-04	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	9.29E-04	0.00E+00	0.00E+00	4.69E-05	9.09E-05	0.00E+00	0.00E+00	419685.7	3740365	0.000929	0	0.000929	9.093E-05
2696	419681.14	3740357	3.75E-04	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	9.34E-04	0.00E+00	0.00E+00	4.71E-05	9.15E-05	0.00E+00	0.00E+00	419681.1	3740357	0.000934	0	0.000934	9.14725E-05
2697	419676.62	3740348	3.77E-04	9.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	9.39E-04	0.00E+00	0.00E+00	4.74E-05	9.19E-05	0.00E+00	0.00E+00	419676.6	3740348	0.000939	0	0.000939	9.19131E-05
2698	419672.1	3740339	3.78E-04	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.42E-04	0.00E+00	0.00E+00	4.75E-05	9.22E-05	0.00E+00	0.00E+00	419672.1	3740339	0.000942	0	0.000942	9.22412E-05
2699	419667.58	3740331	3.79E-04	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	9.44E-04	0.00E+00	0.00E+00	4.76E-05	9.24E-05	0.00E+00	0.00E+00	419667.6	3740331	0.000944	0	0.000944	9.23969E-05
2700	419663.06	3740322	3.79E-04	9.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	9.44E-04	0.00E+00	0.00E+00	4.76E-05	9.24E-05	0.00E+00	0.00E+00	419663.1	3740322	0.000944	0	0.000944	9.24174E-05
2701	419658.54	3740313	3.78E-04	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.43E-04	0.00E+00	0.00E+00	4.76E-05	9.23E-05	0.00E+00	0.00E+00	419658.5	3740313	0.000943	0	0.000943	9.23097E-05
2702	419654.02	3740305	3.77E-04	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	9.41E-04	0.00E+00	0.00E+00	4.75E-05	9.21E-05	0.00E+00	0.00E+00	419654	3740305	0.000941	0	0.000941	9.20943E-05
2703	419649.5	3740296	3.76E-04	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	9.37E-04	0.00E+00	0.00E+00	4.73E-05	9.17E-05	0.00E+00	0.00E+00	419649.5	3740296	0.000937	0	0.000937	9.17447E-05
2704	419635.93	3740270	3.69E-04	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	9.20E-04	0.00E+00	0.00E+00	4.64E-05	9.01E-05	0.00E+00	0.00E+00	419635.9	3740270	0.00092	0	0.00092	9.00556E-05
2705	419631.41	3740261	3.66E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.12E-04	0.00E+00	0.00E+00	4.60E-05	8.93E-05	0.00E+00	0.00E+00	419631.4	3740261	0.000912	0	0.000912	8.93291E-05
2706	419626.89	3740253	3.62E-04	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	9.03E-04	0.00E+00	0.00E+00	4.56E-05	8.85E-05	0.00E+00	0.00E+00	419626.9	3740253	0.000903	0	0.000903	8.84556E-05
2707	419622.37	3740244	3.58E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.93E-04	0.00E+00	0.00E+00	4.51E-05	8.74E-05	0.00E+00	0.00E+00	419622.4	3740244	0.000893	0	0.000893	8.74255E-05
2708	419617.85	3740236	3.53E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.81E-04	0.00E+00	0.00E+00	4.45E-05	8.63E-05	0.00E+00	0.00E+00	419617.9	3740236	0.000881	0	0.000881	8.62691E-05
2709	419613.33	3740227	3.48E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.68E-04	0.00E+00	0.00E+00	4.38E-05	8.50E-05	0.00E+00	0.00E+00	419613.3	3740227	0.000868	0	0.000868	8.5003E-05
2710	419608.81	3740218	3.43E-04	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.54E-04	0.00E+00	0.00E+00	4.31E-05	8.37E-05	0.00E+00	0.00E+00	419608.8	3740218	0.000854	0	0.000854	8.36645E-05
2711	419604.29	3740210	3.37E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	8.41E-04	0.00E+00	0.00E+00	4.24E-05	8.24E-05	0.00E+00	0.00E+00	419604.3	3740210	0.000841	0	0.000841	8.23622E-05
2712	419599.77	3740201	3.32E-04	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	8.27E-04	0.00E+00	0.00E+00	4.17E-05	8.10E-05	0.00E+00	0.00E+00	419599.8	3740201	0.000827	0	0.000827	8.10109E-05
2713	419595.24	3740192	3.26E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	8.13E-04	0.00E+00	0.00E+00	4.10E-05	7.96E-05	0.00E+00	0.00E+00	419595.2	3740192	0.000813	0	0.000813	7.96224E-05
2714	419563.6	3740132	2.88E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.18E-04	0.00E+00	0.00E+00	3.62E-05	7.03E-05	0.00E+00	0.00E+00	419563.6	3740132	0.000718	0	0.000718	7.02859E-05
2715	420249.14	3740598	6.30E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	1.57E-03	0.00E+00	0.00E+00	7.92E-05	1.54E-04	0.00E+00	0.00E+00	420249.1	3740598	0.00157	0	0.00157	0.000153683
2716	420258.49	3740594	6.49E-04	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	1.62E-03	0.00E+00	0.00E+00	8.16E-05	1.58E-04	0.00E+00	0.00E+00	420258.5	3740594	0.001616	0	0.001616	0.000158275
2717	420323.94	3740571	7.78E-04	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	1.94E-03	0.00E+00	0.00E+00	9.79E-05	1.90E-04	0.00E+00	0.00E+00	420323.9	3740571	0.00194	0	0.00194	0.000189923
2718	420333.29	3740568	7.95E-04	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	1.98E-03	0.00E+00	0.00E+00	1.00E-04	1.94E-04	0.00E+00	0.00E+00	420333.3	3740568	0.001981	0	0.001981	0.000193986
2719	420342.64	3740565	8.11E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.98E-04	0.00E+00	0.00E+00	420342.6	3740565	0.00202	0	0.00202	0.000197815
2720	420351.99	3740561	8.25E-04	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-04	2.06E-03	0.00E+00	0.00E+00	1.04E-04	2.01E-04	0.00E+00	0.00E+00	420352	3740561

2790	419547.46	3740159	2.77E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.91E-04	0.00E+00	0.00E+00	3.49E-05	6.77E-05	0.00E+00	0.00E+00	419547.5	3740159	0.000691	0	0.000691	6.76548E-05
2791	419542.86	3740150	2.72E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.79E-04	0.00E+00	0.00E+00	3.43E-05	6.65E-05	0.00E+00	0.00E+00	419542.9	3740150	0.000679	0	0.000679	6.64827E-05
2792	420249.84	3740629	5.63E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.40E-03	0.00E+00	0.00E+00	7.09E-05	1.37E-04	0.00E+00	0.00E+00	420249.8	3740629	0.001404	0	0.001404	0.000137497
2793	420259.19	3740626	5.80E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	1.45E-03	0.00E+00	0.00E+00	7.29E-05	1.42E-04	0.00E+00	0.00E+00	420259.2	3740626	0.001445	0	0.001445	0.000141502
2794	420268.54	3740623	5.96E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	1.49E-03	0.00E+00	0.00E+00	7.50E-05	1.46E-04	0.00E+00	0.00E+00	420268.5	3740623	0.001486	0	0.001486	0.000145526
2795	420277.88	3740619	6.13E-04	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.53E-03	0.00E+00	0.00E+00	7.71E-05	1.50E-04	0.00E+00	0.00E+00	420277.9	3740619	0.001527	0	0.001527	0.000149551
2796	420287.23	3740616	6.29E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.57E-03	0.00E+00	0.00E+00	7.91E-05	1.54E-04	0.00E+00	0.00E+00	420287.2	3740616	0.001568	0	0.001568	0.000153556
2797	420296.58	3740613	6.45E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	1.61E-03	0.00E+00	0.00E+00	8.12E-05	1.58E-04	0.00E+00	0.00E+00	420296.6	3740613	0.001609	0	0.001609	0.000157502
2798	420305.93	3740609	6.62E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	1.65E-03	0.00E+00	0.00E+00	8.32E-05	1.61E-04	0.00E+00	0.00E+00	420305.9	3740609	0.001649	0	0.001649	0.000161477
2799	420315.28	3740606	6.78E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	1.69E-03	0.00E+00	0.00E+00	8.53E-05	1.65E-04	0.00E+00	0.00E+00	420315.3	3740606	0.00169	0	0.00169	0.000165453
2800	420324.63	3740603	6.94E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	1.73E-03	0.00E+00	0.00E+00	8.73E-05	1.69E-04	0.00E+00	0.00E+00	420324.6	3740603	0.001729	0	0.001729	0.00016933
2801	420333.98	3740599	7.09E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	1.77E-03	0.00E+00	0.00E+00	8.92E-05	1.73E-04	0.00E+00	0.00E+00	420334	3740599	0.001767	0	0.001767	0.000173032
2802	420343.33	3740596	7.23E-04	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	1.80E-03	0.00E+00	0.00E+00	9.10E-05	1.77E-04	0.00E+00	0.00E+00	420343.3	3740596	0.001803	0	0.001803	0.000176557
2803	420250.1	3740656	5.14E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	1.28E-03	0.00E+00	0.00E+00	6.47E-05	1.26E-04	0.00E+00	0.00E+00	420250.1	3740656	0.001282	0	0.001282	0.000125561
2804	420220.76	3740652	4.92E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	1.23E-03	0.00E+00	0.00E+00	6.19E-05	1.20E-04	0.00E+00	0.00E+00	420220.8	3740652	0.001226	0	0.001226	0.000120068
2805	420210.99	3740651	4.84E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	1.21E-03	0.00E+00	0.00E+00	6.09E-05	1.18E-04	0.00E+00	0.00E+00	420211	3740651	0.001207	0	0.001207	0.000118148
2806	420201.21	3740650	4.76E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	1.19E-03	0.00E+00	0.00E+00	5.99E-05	1.16E-04	0.00E+00	0.00E+00	420201.2	3740650	0.001186	0	0.001186	0.000116151
2807	420191.43	3740648	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.88E-05	1.14E-04	0.00E+00	0.00E+00	420191.4	3740648	0.001166	0	0.001166	0.000114134
2808	420181.65	3740647	4.59E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	1.14E-03	0.00E+00	0.00E+00	5.78E-05	1.12E-04	0.00E+00	0.00E+00	420181.7	3740647	0.001145	0	0.001145	0.000112107
2809	420171.87	3740646	4.51E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	1.12E-03	0.00E+00	0.00E+00	5.68E-05	1.10E-04	0.00E+00	0.00E+00	420171.9	3740646	0.001125	0	0.001125	0.000110139
2810	420162.09	3740644	4.43E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	1.10E-03	0.00E+00	0.00E+00	5.57E-05	1.08E-04	0.00E+00	0.00E+00	420162.1	3740644	0.001105	0	0.001105	0.00010818
2811	420152.31	3740643	4.35E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.09E-03	0.00E+00	0.00E+00	5.47E-05	1.06E-04	0.00E+00	0.00E+00	420152.3	3740643	0.001085	0	0.001085	0.000106242
2812	420142.54	3740642	4.28E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	1.07E-03	0.00E+00	0.00E+00	5.38E-05	1.04E-04	0.00E+00	0.00E+00	420142.5	3740642	0.001066	0	0.001066	0.000104391
2813	420132.76	3740640	4.20E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	1.05E-03	0.00E+00	0.00E+00	5.29E-05	1.03E-04	0.00E+00	0.00E+00	420132.8	3740640	0.001048	0	0.001048	0.000102589
2814	420122.98	3740639	4.13E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	1.03E-03	0.00E+00	0.00E+00	5.19E-05	1.01E-04	0.00E+00	0.00E+00	420123	3740639	0.001029	0	0.001029	0.000100778
2815	420113.2	3740638	4.06E-04	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	1.01E-03	0.00E+00	0.00E+00	5.10E-05	9.90E-05	0.00E+00	0.00E+00	420113.2	3740638	0.001011	0	0.001011	9.8976E-05
2816	420103.42	3740636	3.98E-04	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	9.93E-04	0.00E+00	0.00E+00	5.01E-05	9.72E-05	0.00E+00	0.00E+00	420103.4	3740636	0.000993	0	0.000993	9.72115E-05
2817	420093.64	3740635	3.91E-04	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	9.75E-04	0.00E+00	0.00E+00	4.92E-05	9.55E-05	0.00E+00	0.00E+00	420093.6	3740635	0.000975	0	0.000975	9.55028E-05
2818	420083.86	3740634	3.85E-04	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	9.58E-04	0.00E+00	0.00E+00	4.84E-05	9.38E-05	0.00E+00	0.00E+00	420083.9	3740634	0.000958	0	0.000958	9.3847E-05
2819	420074.09	3740632	3.78E-04	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.42E-04	0.00E+00	0.00E+00	4.75E-05	9.22E-05	0.00E+00	0.00E+00	420074.1	3740632	0.000942	0	0.000942	9.22255E-05
2820	420064.31	3740631	3.71E-04	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	9.26E-04	0.00E+00	0.00E+00	4.67E-05	9.06E-05	0.00E+00	0.00E+00	420064.3	3740631	0.000926	0	0.000926	9.065E-05
2821	420054.53	3740630	3.65E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	9.10E-04	0.00E+00	0.00E+00	4.59E-05	8.91E-05	0.00E+00	0.00E+00	420054.5	3740630	0.00091	0	0.00091	8.91097E-05
2822	420044.75	3740628	3.59E-04	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	8.95E-04	0.00E+00	0.00E+00	4.51E-05	8.76E-05	0.00E+00	0.00E+00	420044.8	3740628	0.000895	0	0.000895	8.76126E-05
2823	420034.97	3740627	3.53E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.80E-04	0.00E+00	0.00E+00	4.44E-05	8.62E-05	0.00E+00	0.00E+00	420035	3740627	0.00088	0	0.00088	8.61683E-05
2824	420025.19	3740626	3.48E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.66E-04	0.00E+00	0.00E+00	4.37E-05	8.48E-05	0.00E+00	0.00E+00	420025.2	3740626	0.000866	0	0.000866	8.48229E-05
2825	420015.41	3740624	3.42E-04	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	8.54E-04	0.00E+00	0.00E+00	4.31E-05	8.36E-05	0.00E+00	0.00E+00	420015.4	3740624	0.000854	0	0.000854	8.35734E-05
2826	420005.63	3740623	3.38E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	8.41E-04	0.00E+00	0.00E+00	4.24E-05	8.24E-05	0.00E+00	0.00E+00	420005.6	3740623	0.000841	0	0.000841	8.23739E-05
2827	419995.86	3740622	3.33E-04	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	8.30E-04	0.00E+00	0.00E+00	4.19E-05	8.13E-05	0.00E+00	0.00E+00	419995.9	3740622	0.00083	0	0.00083	8.12782E-05
2828	419986.08	3740620	3.29E-04	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	8.20E-04	0.00E+00	0.00E+00	4.14E-05	8.03E-05	0.00E+00	0.00E+00	419986.1	3740620	0.00082	0	0.00082	8.02716E-05
2829	419976.3	3740619	3.25E-04	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.10E-04	0.00E+00	0.00E+00	4.08E-05	7.93E-05	0.00E+00	0.00E+00	419976.3	3740619	0.00081	0	0.00081	7.9266E-05
2830	419966.52	3740618	3.20E-04	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.99E-04	0.00E+00	0.00E+00	4.03E-05	7.82E-05	0.00E+00	0.00E+00	419966.5	3740618	0.000799	0	0.000799	7.81977E-05
2831	419956.74	3740616	3.16E-04	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.88E-04	0.00E+00	0.00E+00	3.98E-05	7.72E-05	0.00E+00	0.00E+00	419956.7	3740616	0.000788	0	0.000788	7.71735E-05
2832	419946.96	3740615	3.12E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	7.78E-04	0.00E+00	0.00E+00	3.93E-05	7.62E-05	0.00E+00	0.00E+00	419947	3740615	0.000778	0	0.000778	7.61776E-05
2833	419937.18	3740614	3.08E-04	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	7.68E-04	0.00E+00	0.00E+00	3.88E-05	7.52E-05	0.00E+00	0.00E+00	419937.2	3740614	0.000768	0	0.000768	7.52268E-05
2834	419927.41	3740612	3.05E-04	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	7.59E-04	0.00E+00	0.00E+00	3.83E-05	7.43E-05	0.00E+00	0.00E+00	419927.4	3740612	0.000759	0	0.000759	7.43466E-05
2835	419917.63	3740611	3.01E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.50E-04	0.00E+00	0.00E+00	3.79E-05	7.35E-05	0.00E+00	0.00E+00	419917.6	3740611	0.00075	0	0.00075	7.34859E-05
2836	419907.85	3740610	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.74E-05	7.26E-05	0.00E+00	0.00E+00	419907.9	3740610	0.000742	0	0.000742	7.26379E-05
2837	419898.07	3740608	2.94E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.33E-04	0.00E+00	0.00E+00	3.70E-05	7.18E-05	0.00E+00	0.00E+00	419898.1	3740608	0.000733	0	0.000733	7.17948E-05
2838	419888.29	3740607	2.91E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.25E-04	0.00E+00	0.00E+00	3.66E-05	7.10E-05	0.00E+00	0.00E+00	419888.3	3740607	0.000725	0	0.000725	7.09713E-05
2839	419878.51	3740606	2.87E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.17E-04	0.00E+00	0.00E+00	3.62E-05	7.02E-05	0.00E+00	0.00E+00	419878.5	3740606	0.000717	0	0.000717	7.01635E-05
2840	419868.73	3740604	2.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.08E-04	0.00E+00	0.00E+00	3.57E-05	6.94E-05	0.00E+00	0.00E+00	419868.7	3740604	0.000708	0	0.000708	6.93527E-05
2841	419732.46	3740570	2.54E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.33E-04	0.00E+00	0.00E+00	3.19E-05	6.19E-05	0.00E+00	0.00E+00	419732.5	3740570	0.000633	0	0.000633	6.19393E-05
2842	419727.88	3740561	2.57E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.41E-04	0.00E+00	0.00E+00	3.23E-05	6.28E-05	0.00E+00	0.00E+00	419727.9	3740561	0.000641	0	0.000641	6.27726E-05
2843	419723.31	3740552	2.61E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.50E-04	0.00E+00	0.00E+00	3.28E-05	6.36E-05	0.00E+00	0.00E+00	419723.3	3740552	0.00065	0	0.00065	6.36167E-05
2844	419718.73	3740543	2.64E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.58E-04	0.00E+00	0.00E+00	3.32E-05	6.44E-05	0.00E+00	0.00E+00	419718.7	3740543	0.000658	0	0.000658	6.44431E-05
2845	419714.16	3740535	2.67E-04	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.66E-04	0.00E+00	0.00E+00	3.36E-05	6.52E-05	0.00E+00	0.00E+00	419714.2	3740535	0.000666	0	0.000666	6.5248E-05
2846	419709.58	3740526	2.71E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.60E-05	0.00E+00	0.00E+00	419709.6	3740526	0.000674	0	0.000674	6.60303E-05
2847	419705	3740517	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00	419705	3740517	0.000682	0	0.000682	6.68284E-05
2848	419700.43	3740508	2.77E-04	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.91E-04	0.00E+00	0.00E+00	3.49E-05	6.77E-05	0.00E+00	0.00E+00	419700.4	3740508	0.000691	0	0.000691	6.77047E-05
2849	419695.85	3740500	2.81E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.00E-04	0.00E+00	0.00E+00	3.53E-05	6.86E-05	0.00E+00	0.00E+00	419695.9	3740500	0.0007	0	0.0007	6.85615E-05
2850	419691.28	3740491	2.84E-04	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.09E-04	0.00E+00	0.00E+00	3.58E-05	6.94E-05	0.00E+00	0.00E+00	419691.3	3740491	0.000709	0	0.000709	6.93978E-05
2851	419686.7	3740482	2.88E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.17E-04	0.00E+00	0.00E+00	3.62E-05	7.02E-05	0.00E+00	0.00E+00	419686.7	3740482	0.000717	0	0.000717	7.02232E-05
2852	419682.12	3740473	2.91E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.25E-04	0.00E+00	0.00E+00	3.66E-05	7.10E-05	0.00E+00	0.00E+00	419682.1	3740473	0.000725	0	0.000725	7.1035E-05
2853	419677.55	3740465	2.94E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.34E-04	0.00E+00	0.00E+00	3.70E-05	7.18E-05	0.00E+00	0.00E+00	419677.6	3740465	0.000734	0	0.000734	7.18271E-05
2854	419672.97	3740456	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.74E-05	7.26E-05	0.00E+00	0.00E+00	419673	3740456	0.000742	0	0.000742	7.26193E-05
2855	419668.39	3740447	3.01E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.50E-04	0.00E+00	0.00E+00	3.78E-05	7.34E-05	0.00E+00	0.00E+00	419668.4	3740447	0.00075	0	0.00075	7.34418E-05
2856	419663.82	3740438	3.04E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.58E-04	0.00E+00	0.00E+00	3.83E-05	7.42E-05	0.00E+00	0.00E+00	419663.8	3740438	0.000758	0	0.000758	7.42447E-05
2857	419659.24	3740430	3.07E-04	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	7.66E-04	0.00E+00	0.00E+00	3.86E-05	7.50E-05	0.00E+00	0.00E+00	419659.2	3740430	0.000766	0	0.000766	7.49889E-05
2858	419654.67	3740421	3.10E-04	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	7.74E-04	0.00E+00	0.00E+00	3.90E-05	7.58E-05	0.00E+00	0.00E+00	419654.7	3740421	0.000774	0	0.000774	7.57527E-05
2859	419650.09	3740412	3.13E-04	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	7.81E-04	0.00E+00	0.00E+00	3.94E-05	7.64E-05	0.00E+00	0.00E+00	419650.1	3740412	0.000781	0	0.000781	7.64469E-05
2860	419645.51	3740403	3.16E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.87E-04	0.00E+00	0.00E+00	3.97E-05	7.71E-05	0.00E+00	0.00E+00	419645.5	3740403	0.000787	0	0.000787	7.70726E-05
2861	419640.94	3740395	3.18E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.92E-04	0.00E+00	0.00E+00	4.00E-05	7.76E-05	0.00E+00	0.00E+00	419640.9	3740395	0.000792	0	0.000792	7.75828E-05
2862	419636.36	3740386	3.20E-04	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.96E-04	0.00E+00	0.00E+00	4.02E-05	7.80E-05	0.00E+00	0.00E+00	419636.4	3740386	0.000796	0	0.000796	7.79872E-05
2863	419631.79	3740377	3.21E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.00E-04	0.00E+00	0.00E+00	4.04E-05	7.83E-05	0.00E+00	0.00E+00	419631.8	3740377	0.0008	0	0.0008	7.83269E-05
2864	419627.21	3740368	3.22E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.03E-04	0.00E+00	0.00E+00	4.05E-05	7.86E-05	0.00E+00	0.00E+00	419627.2	3740368	0.000803	0	0.000803	7.85903E-05
2865	419622.63	3740360	3.23E-04	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.04E-04	0.00E+00	0.00E+00	4.06E-05	7.87E-05	0.00E+00	0.00E+00	419622.6	3740360	0.000804	0	0.000804	7.87421E-05
2866	419618.06	3740351	3.23E-04	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.05E-04	0.00E+00	0.00E+00	4.06E-05	7.88E-05	0.00E+00	0.00E+00	419618.1	3740351	0.000805	0	0.000805	7.8797E-05
2867	419613.48	3740342	3.23E-04	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	8.04E-04	0.00E+00	0.00E+00	4.06E-05	7.87E-05	0.00E+00	0.00E+00	419613.5	3740342	0.000804	0	0.000804

2937	419948.44	3740642	2.92E-04	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.28E-04	0.00E+00	0.00E+00	3.67E-05	7.12E-05	0.00E+00	0.00E+00	419948.4	3740642	0.000728	0	0.000728	7.12465E-05
2938	419938.7	3740641	2.88E-04	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.19E-04	0.00E+00	0.00E+00	3.63E-05	7.04E-05	0.00E+00	0.00E+00	419938.7	3740641	0.000719	0	0.000719	7.04073E-05
2939	419928.96	3740639	2.85E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	7.11E-04	0.00E+00	0.00E+00	3.59E-05	6.96E-05	0.00E+00	0.00E+00	419929	3740639	0.000711	0	0.000711	6.96181E-05
2940	419919.21	3740638	2.82E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	7.03E-04	0.00E+00	0.00E+00	3.55E-05	6.88E-05	0.00E+00	0.00E+00	419919.2	3740638	0.000703	0	0.000703	6.88406E-05
2941	419909.47	3740637	2.79E-04	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	6.95E-04	0.00E+00	0.00E+00	3.51E-05	6.81E-05	0.00E+00	0.00E+00	419909.5	3740637	0.000695	0	0.000695	6.80817E-05
2942	419899.73	3740635	2.76E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	6.88E-04	0.00E+00	0.00E+00	3.47E-05	6.73E-05	0.00E+00	0.00E+00	419899.7	3740635	0.000688	0	0.000688	6.73219E-05
2943	419889.99	3740634	2.73E-04	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	6.80E-04	0.00E+00	0.00E+00	3.43E-05	6.66E-05	0.00E+00	0.00E+00	419890	3740634	0.00068	0	0.00068	6.65787E-05
2944	419880.25	3740633	2.70E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.73E-04	0.00E+00	0.00E+00	3.39E-05	6.59E-05	0.00E+00	0.00E+00	419880.3	3740633	0.000673	0	0.000673	6.58531E-05
2945	419870.51	3740631	2.67E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.65E-04	0.00E+00	0.00E+00	3.36E-05	6.51E-05	0.00E+00	0.00E+00	419870.5	3740631	0.000665	0	0.000665	6.51089E-05
2946	419860.76	3740630	2.64E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.57E-04	0.00E+00	0.00E+00	3.32E-05	6.44E-05	0.00E+00	0.00E+00	419860.8	3740630	0.000657	0	0.000657	6.43696E-05
2947	419851.02	3740629	2.61E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.50E-04	0.00E+00	0.00E+00	3.28E-05	6.36E-05	0.00E+00	0.00E+00	419851	3740629	0.00065	0	0.00065	6.36402E-05
2948	419841.28	3740627	2.58E-04	6.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	6.42E-04	0.00E+00	0.00E+00	3.24E-05	6.29E-05	0.00E+00	0.00E+00	419841.3	3740627	0.000642	0	0.000642	6.28744E-05
2949	419831.54	3740626	2.54E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.34E-04	0.00E+00	0.00E+00	3.20E-05	6.21E-05	0.00E+00	0.00E+00	419831.5	3740626	0.000634	0	0.000634	6.20872E-05
2950	419821.8	3740625	2.51E-04	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.26E-04	0.00E+00	0.00E+00	3.16E-05	6.13E-05	0.00E+00	0.00E+00	419821.8	3740625	0.000626	0	0.000626	6.12833E-05
2951	419812.05	3740624	2.49E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.20E-04	0.00E+00	0.00E+00	3.13E-05	6.07E-05	0.00E+00	0.00E+00	419812.1	3740624	0.00062	0	0.00062	6.0684E-05
2952	419802.31	3740622	2.46E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.14E-04	0.00E+00	0.00E+00	3.10E-05	6.01E-05	0.00E+00	0.00E+00	419802.3	3740622	0.000614	0	0.000614	6.01445E-05
2953	419753.6	3740616	2.36E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.75E-05	0.00E+00	0.00E+00	419753.6	3740616	0.000587	0	0.000587	5.7483E-05
2954	419743.86	3740614	2.33E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.81E-04	0.00E+00	0.00E+00	2.93E-05	5.69E-05	0.00E+00	0.00E+00	419743.9	3740614	0.000581	0	0.000581	5.69318E-05
2955	419734.12	3740613	2.31E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.76E-04	0.00E+00	0.00E+00	2.91E-05	5.64E-05	0.00E+00	0.00E+00	419734.1	3740613	0.000576	0	0.000576	5.63854E-05
2956	419719.82	3740603	2.32E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.78E-04	0.00E+00	0.00E+00	2.91E-05	5.66E-05	0.00E+00	0.00E+00	419719.8	3740603	0.000578	0	0.000578	5.65587E-05
2957	419701.58	3740568	2.44E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.08E-04	0.00E+00	0.00E+00	3.07E-05	5.96E-05	0.00E+00	0.00E+00	419701.6	3740568	0.000608	0	0.000608	5.95501E-05
2958	419697.02	3740559	2.47E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.16E-04	0.00E+00	0.00E+00	3.11E-05	6.03E-05	0.00E+00	0.00E+00	419697	3740559	0.000616	0	0.000616	6.03227E-05
2959	419692.47	3740551	2.50E-04	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.24E-04	0.00E+00	0.00E+00	3.15E-05	6.11E-05	0.00E+00	0.00E+00	419692.5	3740551	0.000624	0	0.000624	6.10982E-05
2960	419687.91	3740542	2.53E-04	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.31E-04	0.00E+00	0.00E+00	3.19E-05	6.18E-05	0.00E+00	0.00E+00	419687.9	3740542	0.000631	0	0.000631	6.18287E-05
2961	419683.35	3740533	2.56E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.39E-04	0.00E+00	0.00E+00	3.22E-05	6.25E-05	0.00E+00	0.00E+00	419683.4	3740533	0.000639	0	0.000639	6.25337E-05
2962	419678.79	3740524	2.59E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.46E-04	0.00E+00	0.00E+00	3.26E-05	6.32E-05	0.00E+00	0.00E+00	419678.8	3740524	0.000646	0	0.000646	6.32113E-05
2963	419674.23	3740516	2.62E-04	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	6.53E-04	0.00E+00	0.00E+00	3.29E-05	6.39E-05	0.00E+00	0.00E+00	419674.2	3740516	0.000653	0	0.000653	6.39055E-05
2964	419669.67	3740507	2.65E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.60E-04	0.00E+00	0.00E+00	3.33E-05	6.46E-05	0.00E+00	0.00E+00	419669.7	3740507	0.00066	0	0.00066	6.46223E-05
2965	419665.11	3740498	2.68E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.67E-04	0.00E+00	0.00E+00	3.37E-05	6.53E-05	0.00E+00	0.00E+00	419665.1	3740498	0.000667	0	0.000667	6.53234E-05
2966	419660.55	3740490	2.71E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.60E-05	0.00E+00	0.00E+00	419660.6	3740490	0.000674	0	0.000674	6.60254E-05
2967	419655.99	3740481	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00	419656	3740481	0.000682	0	0.000682	6.67814E-05
2968	419651.44	3740472	2.77E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.90E-04	0.00E+00	0.00E+00	3.48E-05	6.75E-05	0.00E+00	0.00E+00	419651.4	3740472	0.00069	0	0.00069	6.75334E-05
2969	419646.88	3740463	2.80E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.97E-04	0.00E+00	0.00E+00	3.52E-05	6.83E-05	0.00E+00	0.00E+00	419646.9	3740463	0.000697	0	0.000697	6.82737E-05
2970	419642.32	3740455	2.83E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	7.04E-04	0.00E+00	0.00E+00	3.55E-05	6.90E-05	0.00E+00	0.00E+00	419642.3	3740455	0.000704	0	0.000704	6.89738E-05
2971	419637.76	3740446	2.85E-04	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	7.11E-04	0.00E+00	0.00E+00	3.59E-05	6.96E-05	0.00E+00	0.00E+00	419637.8	3740446	0.000711	0	0.000711	6.96102E-05
2972	419633.2	3740437	2.88E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.17E-04	0.00E+00	0.00E+00	3.62E-05	7.02E-05	0.00E+00	0.00E+00	419633.2	3740437	0.000717	0	0.000717	7.02173E-05
2973	419628.64	3740429	2.90E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.23E-04	0.00E+00	0.00E+00	3.65E-05	7.08E-05	0.00E+00	0.00E+00	419628.6	3740429	0.000723	0	0.000723	7.0799E-05
2974	419624.08	3740420	2.92E-04	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.29E-04	0.00E+00	0.00E+00	3.68E-05	7.14E-05	0.00E+00	0.00E+00	419624.1	3740420	0.000729	0	0.000729	7.13542E-05
2975	419619.52	3740411	2.94E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.34E-04	0.00E+00	0.00E+00	3.70E-05	7.18E-05	0.00E+00	0.00E+00	419619.5	3740411	0.000734	0	0.000734	7.18252E-05
2976	419614.96	3740403	2.96E-04	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.38E-04	0.00E+00	0.00E+00	3.72E-05	7.22E-05	0.00E+00	0.00E+00	419615	3740403	0.000738	0	0.000738	7.22149E-05
2977	419610.41	3740394	2.97E-04	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.41E-04	0.00E+00	0.00E+00	3.74E-05	7.25E-05	0.00E+00	0.00E+00	419610.4	3740394	0.000741	0	0.000741	7.25458E-05
2978	419605.85	3740385	2.98E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.44E-04	0.00E+00	0.00E+00	3.75E-05	7.28E-05	0.00E+00	0.00E+00	419605.9	3740385	0.000744	0	0.000744	7.28249E-05
2979	419601.29	3740376	2.99E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.46E-04	0.00E+00	0.00E+00	3.76E-05	7.30E-05	0.00E+00	0.00E+00	419601.3	3740376	0.000746	0	0.000746	7.30247E-05
2980	419596.73	3740368	3.00E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	7.47E-04	0.00E+00	0.00E+00	3.77E-05	7.31E-05	0.00E+00	0.00E+00	419596.7	3740368	0.000747	0	0.000747	7.31275E-05
2981	419592.17	3740359	3.00E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	7.47E-04	0.00E+00	0.00E+00	3.77E-05	7.31E-05	0.00E+00	0.00E+00	419592.2	3740359	0.000747	0	0.000747	7.31285E-05
2982	419587.61	3740350	2.99E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.46E-04	0.00E+00	0.00E+00	3.76E-05	7.31E-05	0.00E+00	0.00E+00	419587.6	3740350	0.000746	0	0.000746	7.30599E-05
2983	419583.05	3740342	2.99E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.45E-04	0.00E+00	0.00E+00	3.76E-05	7.29E-05	0.00E+00	0.00E+00	419583.1	3740342	0.000745	0	0.000745	7.29258E-05
2984	419578.49	3740333	2.98E-04	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.43E-04	0.00E+00	0.00E+00	3.75E-05	7.28E-05	0.00E+00	0.00E+00	419578.5	3740333	0.000743	0	0.000743	7.27534E-05
2985	419573.93	3740324	2.97E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.40E-04	0.00E+00	0.00E+00	3.74E-05	7.25E-05	0.00E+00	0.00E+00	419573.9	3740324	0.00074	0	0.00074	7.24949E-05
2986	419560.26	3740298	2.92E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.27E-04	0.00E+00	0.00E+00	3.67E-05	7.12E-05	0.00E+00	0.00E+00	419560.3	3740298	0.000727	0	0.000727	7.12112E-05
2987	419555.7	3740289	2.89E-04	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.21E-04	0.00E+00	0.00E+00	3.64E-05	7.06E-05	0.00E+00	0.00E+00	419555.7	3740289	0.000721	0	0.000721	7.06443E-05
2988	419551.14	3740281	2.87E-04	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.15E-04	0.00E+00	0.00E+00	3.61E-05	7.00E-05	0.00E+00	0.00E+00	419551.1	3740281	0.000715	0	0.000715	7.00195E-05
2989	419546.58	3740272	2.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.07E-04	0.00E+00	0.00E+00	3.57E-05	6.92E-05	0.00E+00	0.00E+00	419546.6	3740272	0.000707	0	0.000707	6.92137E-05
2990	419542.02	3740263	2.80E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.98E-04	0.00E+00	0.00E+00	3.52E-05	6.83E-05	0.00E+00	0.00E+00	419542	3740263	0.000698	0	0.000698	6.83393E-05
2991	419537.46	3740254	2.76E-04	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	6.89E-04	0.00E+00	0.00E+00	3.47E-05	6.74E-05	0.00E+00	0.00E+00	419537.5	3740254	0.000689	0	0.000689	6.74267E-05
2992	419532.9	3740246	2.72E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.79E-04	0.00E+00	0.00E+00	3.43E-05	6.65E-05	0.00E+00	0.00E+00	419532.9	3740246	0.000679	0	0.000679	6.64866E-05
2993	419528.34	3740237	2.68E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.69E-04	0.00E+00	0.00E+00	3.38E-05	6.55E-05	0.00E+00	0.00E+00	419528.3	3740237	0.000669	0	0.000669	6.55124E-05
2994	419523.79	3740228	2.64E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.59E-04	0.00E+00	0.00E+00	3.32E-05	6.45E-05	0.00E+00	0.00E+00	419523.8	3740228	0.000659	0	0.000659	6.45048E-05
2995	419519.23	3740220	2.60E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.48E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00	419519.2	3740220	0.000648	0	0.000648	6.34805E-05
2996	419514.67	3740211	2.57E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.39E-04	0.00E+00	0.00E+00	3.23E-05	6.26E-05	0.00E+00	0.00E+00	419514.7	3740211	0.000639	0	0.000639	6.2611E-05
2997	419510.11	3740202	2.53E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.30E-04	0.00E+00	0.00E+00	3.18E-05	6.17E-05	0.00E+00	0.00E+00	419510.1	3740202	0.00063	0	0.00063	6.16857E-05
2998	419505.55	3740193	2.49E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.20E-04	0.00E+00	0.00E+00	3.13E-05	6.07E-05	0.00E+00	0.00E+00	419505.6	3740193	0.00062	0	0.00062	6.07173E-05
2999	419500.99	3740185	2.45E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	6.10E-04	0.00E+00	0.00E+00	3.08E-05	5.97E-05	0.00E+00	0.00E+00	419501	3740185	0.00061	0	0.00061	5.97303E-05
3000	419496.43	3740176	2.41E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.00E-04	0.00E+00	0.00E+00	3.03E-05	5.87E-05	0.00E+00	0.00E+00	419496.4	3740176	0.0006	0	0.0006	5.87423E-05
3001	419491.87	3740167	2.37E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	5.90E-04	0.00E+00	0.00E+00	2.98E-05	5.77E-05	0.00E+00	0.00E+00	419491.9	3740167	0.00059	0	0.00059	5.77464E-05
3002	419487.31	3740159	2.33E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.80E-04	0.00E+00	0.00E+00	2.93E-05	5.68E-05	0.00E+00	0.00E+00	419487.3	3740159	0.00058	0	0.00058	5.67624E-05
3003	419482.76	3740150	2.29E-04	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.70E-04	0.00E+00	0.00E+00	2.88E-05	5.58E-05	0.00E+00	0.00E+00	419482.8	3740150	0.00057	0	0.00057	5.57998E-05
3004	419478.2	3740141	2.25E-04	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.60E-04	0.00E+00	0.00E+00	2.83E-05	5.49E-05	0.00E+00	0.00E+00	419478.2	3740141	0.00056	0	0.00056	5.48529E-05
3005	419473.64	3740132	2.21E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.51E-04	0.00E+00	0.00E+00	2.78E-05	5.39E-05	0.00E+00	0.00E+00	419473.6	3740132	0.000551	0	0.000551	5.39257E-05
3006	420269.92	3740686	4.84E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	1.21E-03	0.00E+00	0.00E+00	6.09E-05	1.18E-04	0.00E+00	0.00E+00	420269.9	3740686	0.001207	0	0.001207	0.000118227
3007	420279.27	3740683	4.97E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	1.24E-03	0.00E+00	0.00E+00	6.25E-05	1.21E-04	0.00E+00	0.00E+00	420279.3	3740683	0.001239	0	0.001239	0.000121301
3008	420288.62	3740679	5.10E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	1.27E-03	0.00E+00	0.00E+00	6.41E-05	1.24E-04	0.00E+00	0.00E+00	420288.6	3740679	0.001271	0	0.001271	0.000124405
3009	420297.97	3740676	5.22E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	1.30E-03	0.00E+00	0.00E+00	6.57E-05	1.27E-04	0.00E+00	0.00E+00	420298	3740676	0.001302	0	0.001302	0.0001275
3010	420307.32	3740673	5.35E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	1.33E-03	0.00E+00	0.00E+00	6.73E-05	1.31E-04	0.00E+00	0.00E+00	420307.3	3740673	0.001334	0	0.001334	0.000130594
3011	420316.67	3740669	5.48E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.37E-03	0.00E+00	0.00E+00	6.89E-05	1.34E-04	0.00E+00	0.00E+00	420316.7	3740669	0.001365	0	0.001365	0.000133659
3012	420326.02	3740666	5.60E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.40E-03	0.00E+00	0.00E+00	7.04E-05	1.37E-04	0.00E+00	0.00E+00	420326	3740666	0.001396	0	0.001396	0.000136675
3013	420335.37	3740663	5.72E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.43E-03	0.00E+00	0.00E+00	7.20E-05	1.40E-04	0.00E+00	0.00E+00	420335.4	3740663	0.001427	0	0.001427	0.000139681
3014	420344.72	3740659	5.84E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	1.46E-03	0.00E+00	0.00E+00	7.35E-05	1.43E-04	0.00E+00	0.

3084	419628.78	3740506	2.49E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.20E-04	0.00E+00	0.00E+00	3.13E-05	6.07E-05	0.00E+00	0.00E+00	419628.8	3740506	0.00062	0	0.00062	6.07408E-05
3085	419624.24	3740497	2.51E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.27E-04	0.00E+00	0.00E+00	3.16E-05	6.14E-05	0.00E+00	0.00E+00	419624.2	3740497	0.000627	0	0.000627	6.13782E-05
3086	419619.7	3740488	2.54E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.33E-04	0.00E+00	0.00E+00	3.19E-05	6.20E-05	0.00E+00	0.00E+00	419619.7	3740488	0.000633	0	0.000633	6.1999E-05
3087	419615.16	3740480	2.57E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.39E-04	0.00E+00	0.00E+00	3.23E-05	6.26E-05	0.00E+00	0.00E+00	419615.2	3740480	0.000639	0	0.000639	6.25993E-05
3088	419610.63	3740471	2.59E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.45E-04	0.00E+00	0.00E+00	3.25E-05	6.32E-05	0.00E+00	0.00E+00	419610.6	3740471	0.000645	0	0.000645	6.31604E-05
3089	419606.09	3740462	2.61E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.51E-04	0.00E+00	0.00E+00	3.28E-05	6.37E-05	0.00E+00	0.00E+00	419606.1	3740462	0.000651	0	0.000651	6.36979E-05
3090	419601.55	3740454	2.63E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.56E-04	0.00E+00	0.00E+00	3.31E-05	6.42E-05	0.00E+00	0.00E+00	419601.6	3740454	0.000656	0	0.000656	6.42159E-05
3091	419597.01	3740445	2.65E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.61E-04	0.00E+00	0.00E+00	3.33E-05	6.47E-05	0.00E+00	0.00E+00	419597	3740445	0.000661	0	0.000661	6.46761E-05
3092	419592.47	3740436	2.67E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.65E-04	0.00E+00	0.00E+00	3.35E-05	6.51E-05	0.00E+00	0.00E+00	419592.5	3740436	0.000665	0	0.000665	6.50737E-05
3093	419587.93	3740428	2.68E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.68E-04	0.00E+00	0.00E+00	3.37E-05	6.54E-05	0.00E+00	0.00E+00	419587.9	3740428	0.000668	0	0.000668	6.54184E-05
3094	419583.39	3740419	2.69E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.71E-04	0.00E+00	0.00E+00	3.39E-05	6.57E-05	0.00E+00	0.00E+00	419583.4	3740419	0.000671	0	0.000671	6.57434E-05
3095	419578.85	3740410	2.71E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.60E-05	0.00E+00	0.00E+00	419578.9	3740410	0.000674	0	0.000674	6.60323E-05
3096	419574.32	3740402	2.72E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.77E-04	0.00E+00	0.00E+00	3.42E-05	6.63E-05	0.00E+00	0.00E+00	419574.3	3740402	0.000677	0	0.000677	6.62732E-05
3097	419569.78	3740393	2.72E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.78E-04	0.00E+00	0.00E+00	3.42E-05	6.64E-05	0.00E+00	0.00E+00	419569.8	3740393	0.000678	0	0.000678	6.64142E-05
3098	419565.24	3740384	2.72E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.79E-04	0.00E+00	0.00E+00	3.43E-05	6.65E-05	0.00E+00	0.00E+00	419565.2	3740384	0.000679	0	0.000679	6.64778E-05
3099	419560.7	3740375	2.72E-04	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.79E-04	0.00E+00	0.00E+00	3.43E-05	6.65E-05	0.00E+00	0.00E+00	419560.7	3740375	0.000679	0	0.000679	6.64651E-05
3100	419556.16	3740367	2.72E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.78E-04	0.00E+00	0.00E+00	3.42E-05	6.64E-05	0.00E+00	0.00E+00	419556.2	3740367	0.000678	0	0.000678	6.63985E-05
3101	419551.62	3740358	2.72E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.77E-04	0.00E+00	0.00E+00	3.42E-05	6.63E-05	0.00E+00	0.00E+00	419551.6	3740358	0.000677	0	0.000677	6.63133E-05
3102	419547.08	3740349	2.71E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.76E-04	0.00E+00	0.00E+00	3.41E-05	6.62E-05	0.00E+00	0.00E+00	419547.1	3740349	0.000676	0	0.000676	6.61723E-05
3103	419542.55	3740341	2.70E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.60E-05	0.00E+00	0.00E+00	419542.6	3740341	0.000674	0	0.000674	6.5951E-05
3104	419538.01	3740332	2.69E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.70E-04	0.00E+00	0.00E+00	3.38E-05	6.56E-05	0.00E+00	0.00E+00	419538	3740332	0.00067	0	0.00067	6.56328E-05
3105	419524.39	3740306	2.64E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.57E-04	0.00E+00	0.00E+00	3.31E-05	6.43E-05	0.00E+00	0.00E+00	419524.4	3740306	0.000657	0	0.000657	6.43177E-05
3106	419519.85	3740297	2.61E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.52E-04	0.00E+00	0.00E+00	3.29E-05	6.38E-05	0.00E+00	0.00E+00	419519.9	3740297	0.000652	0	0.000652	6.37978E-05
3107	419515.31	3740289	2.59E-04	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.46E-04	0.00E+00	0.00E+00	3.26E-05	6.32E-05	0.00E+00	0.00E+00	419515.3	3740289	0.000646	0	0.000646	6.32436E-05
3108	419510.78	3740280	2.57E-04	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.40E-04	0.00E+00	0.00E+00	3.23E-05	6.26E-05	0.00E+00	0.00E+00	419510.8	3740280	0.00064	0	0.00064	6.26384E-05
3109	419506.24	3740271	2.54E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.33E-04	0.00E+00	0.00E+00	3.19E-05	6.19E-05	0.00E+00	0.00E+00	419506.2	3740271	0.000633	0	0.000633	6.19364E-05
3110	419501.7	3740263	2.51E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.25E-04	0.00E+00	0.00E+00	3.15E-05	6.12E-05	0.00E+00	0.00E+00	419501.7	3740263	0.000625	0	0.000625	6.12049E-05
3111	419497.16	3740254	2.48E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.17E-04	0.00E+00	0.00E+00	3.12E-05	6.04E-05	0.00E+00	0.00E+00	419497.2	3740254	0.000617	0	0.000617	6.0447E-05
3112	419492.62	3740245	2.44E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.09E-04	0.00E+00	0.00E+00	3.07E-05	5.97E-05	0.00E+00	0.00E+00	419492.6	3740245	0.000609	0	0.000609	5.96539E-05
3113	419488.08	3740237	2.41E-04	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.01E-04	0.00E+00	0.00E+00	3.03E-05	5.88E-05	0.00E+00	0.00E+00	419488.1	3740237	0.000601	0	0.000601	5.88324E-05
3114	419483.54	3740228	2.38E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.92E-04	0.00E+00	0.00E+00	2.99E-05	5.80E-05	0.00E+00	0.00E+00	419483.5	3740228	0.000592	0	0.000592	5.79991E-05
3115	419479	3740219	2.34E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.84E-04	0.00E+00	0.00E+00	2.95E-05	5.72E-05	0.00E+00	0.00E+00	419479	3740219	0.000584	0	0.000584	5.71511E-05
3116	419474.47	3740211	2.31E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.75E-04	0.00E+00	0.00E+00	2.90E-05	5.63E-05	0.00E+00	0.00E+00	419474.5	3740211	0.000575	0	0.000575	5.62786E-05
3117	419469.93	3740202	2.27E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.66E-04	0.00E+00	0.00E+00	2.85E-05	5.54E-05	0.00E+00	0.00E+00	419469.9	3740202	0.000566	0	0.000566	5.53895E-05
3118	419465.39	3740193	2.23E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.56E-04	0.00E+00	0.00E+00	2.81E-05	5.45E-05	0.00E+00	0.00E+00	419465.4	3740193	0.000556	0	0.000556	5.44877E-05
3119	419460.85	3740185	2.20E-04	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.47E-04	0.00E+00	0.00E+00	2.76E-05	5.36E-05	0.00E+00	0.00E+00	419460.9	3740185	0.000547	0	0.000547	5.35986E-05
3120	419456.31	3740176	2.16E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.39E-04	0.00E+00	0.00E+00	2.72E-05	5.27E-05	0.00E+00	0.00E+00	419456.3	3740176	0.000539	0	0.000539	5.27389E-05
3121	419451.77	3740167	2.13E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.30E-04	0.00E+00	0.00E+00	2.67E-05	5.19E-05	0.00E+00	0.00E+00	419451.8	3740167	0.00053	0	0.00053	5.18909E-05
3122	419447.23	3740159	2.09E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.21E-04	0.00E+00	0.00E+00	2.63E-05	5.11E-05	0.00E+00	0.00E+00	419447.2	3740159	0.000521	0	0.000521	5.10615E-05
3123	419442.7	3740150	2.06E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.13E-04	0.00E+00	0.00E+00	2.59E-05	5.03E-05	0.00E+00	0.00E+00	419442.7	3740150	0.000513	0	0.000513	5.02704E-05
3124	419438.16	3740141	2.03E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.05E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00	419438.2	3740141	0.000505	0	0.000505	4.94909E-05
3125	419433.62	3740133	2.00E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.98E-04	0.00E+00	0.00E+00	2.51E-05	4.87E-05	0.00E+00	0.00E+00	419433.6	3740133	0.000498	0	0.000498	4.87262E-05
3126	420283.31	3740724	4.40E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	1.10E-03	0.00E+00	0.00E+00	5.53E-05	1.07E-04	0.00E+00	0.00E+00	420283.3	3740724	0.001097	0	0.001097	0.000107387
3127	420292.66	3740720	4.51E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	1.12E-03	0.00E+00	0.00E+00	5.67E-05	1.10E-04	0.00E+00	0.00E+00	420292.7	3740720	0.001123	0	0.001123	0.000109992
3128	420302.01	3740717	4.61E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	1.15E-03	0.00E+00	0.00E+00	5.80E-05	1.13E-04	0.00E+00	0.00E+00	420302	3740717	0.00115	0	0.00115	0.000112606
3129	420311.36	3740714	4.72E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	1.18E-03	0.00E+00	0.00E+00	5.94E-05	1.15E-04	0.00E+00	0.00E+00	420311.4	3740714	0.001177	0	0.001177	0.00011524
3130	420320.71	3740710	4.83E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	1.20E-03	0.00E+00	0.00E+00	6.07E-05	1.18E-04	0.00E+00	0.00E+00	420320.7	3740710	0.001204	0	0.001204	0.000117864
3131	420330.06	3740707	4.94E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	1.23E-03	0.00E+00	0.00E+00	6.21E-05	1.20E-04	0.00E+00	0.00E+00	420330.1	3740707	0.00123	0	0.00123	0.000120469
3132	420339.41	3740704	5.04E-04	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	1.26E-03	0.00E+00	0.00E+00	6.34E-05	1.23E-04	0.00E+00	0.00E+00	420339.4	3740704	0.001256	0	0.001256	0.000123025
3133	420348.76	3740700	5.14E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	1.28E-03	0.00E+00	0.00E+00	6.47E-05	1.26E-04	0.00E+00	0.00E+00	420348.8	3740700	0.001282	0	0.001282	0.000125531
3134	420358.11	3740697	5.24E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	1.31E-03	0.00E+00	0.00E+00	6.60E-05	1.28E-04	0.00E+00	0.00E+00	420358.1	3740697	0.001307	0	0.001307	0.000127999
3135	420367.46	3740694	5.35E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	1.33E-03	0.00E+00	0.00E+00	6.72E-05	1.30E-04	0.00E+00	0.00E+00	420367.5	3740694	0.001332	0	0.001332	0.000130457
3136	420376.8	3740690	5.44E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.36E-03	0.00E+00	0.00E+00	6.85E-05	1.33E-04	0.00E+00	0.00E+00	420376.8	3740690	0.001357	0	0.001357	0.000132846
3137	420386.15	3740687	5.54E-04	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	1.38E-03	0.00E+00	0.00E+00	6.96E-05	1.35E-04	0.00E+00	0.00E+00	420386.2	3740687	0.00138	0	0.00138	0.000135147
3138	420395.5	3740684	5.63E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.40E-03	0.00E+00	0.00E+00	7.08E-05	1.37E-04	0.00E+00	0.00E+00	420395.5	3740684	0.001403	0	0.001403	0.00013736
3139	420404.85	3740680	5.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.42E-03	0.00E+00	0.00E+00	7.19E-05	1.39E-04	0.00E+00	0.00E+00	420404.9	3740680	0.001424	0	0.001424	0.000139465
3140	420414.2	3740677	5.80E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	1.44E-03	0.00E+00	0.00E+00	7.29E-05	1.41E-04	0.00E+00	0.00E+00	420414.2	3740677	0.001444	0	0.001444	0.000141433
3141	420423.55	3740674	5.87E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	1.46E-03	0.00E+00	0.00E+00	7.38E-05	1.43E-04	0.00E+00	0.00E+00	420423.6	3740674	0.001463	0	0.001463	0.000143255
3142	420286.89	3740760	3.98E-04	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	9.92E-04	0.00E+00	0.00E+00	5.00E-05	9.71E-05	0.00E+00	0.00E+00	420286.9	3740760	0.000992	0	0.000992	9.70979E-05
3143	420277.07	3740759	3.94E-04	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	9.81E-04	0.00E+00	0.00E+00	4.95E-05	9.60E-05	0.00E+00	0.00E+00	420277.1	3740759	0.000981	0	0.000981	9.60365E-05
3144	420267.26	3740757	3.89E-04	9.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	9.69E-04	0.00E+00	0.00E+00	4.89E-05	9.49E-05	0.00E+00	0.00E+00	420267.3	3740757	0.000969	0	0.000969	9.49261E-05
3145	420257.45	3740756	3.84E-04	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	9.57E-04	0.00E+00	0.00E+00	4.83E-05	9.38E-05	0.00E+00	0.00E+00	420257.5	3740756	0.000957	0	0.000957	9.3753E-05
3146	420218.19	3740751	3.64E-04	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	9.06E-04	0.00E+00	0.00E+00	4.57E-05	8.87E-05	0.00E+00	0.00E+00	420218.2	3740751	0.000906	0	0.000906	8.87288E-05
3147	420208.38	3740749	3.58E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.93E-04	0.00E+00	0.00E+00	4.51E-05	8.74E-05	0.00E+00	0.00E+00	420208.4	3740749	0.000893	0	0.000893	8.74265E-05
3148	420198.56	3740748	3.53E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.80E-04	0.00E+00	0.00E+00	4.44E-05	8.61E-05	0.00E+00	0.00E+00	420198.6	3740748	0.00088	0	0.00088	8.61281E-05
3149	420188.75	3740747	3.48E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	8.66E-04	0.00E+00	0.00E+00	4.37E-05	8.48E-05	0.00E+00	0.00E+00	420188.8	3740747	0.000866	0	0.000866	8.48366E-05
3150	420178.93	3740745	3.42E-04	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	8.53E-04	0.00E+00	0.00E+00	4.31E-05	8.35E-05	0.00E+00	0.00E+00	420178.9	3740745	0.000853	0	0.000853	8.35421E-05
3151	420169.12	3740744	3.37E-04	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	8.40E-04	0.00E+00	0.00E+00	4.24E-05	8.22E-05	0.00E+00	0.00E+00	420169.1	3740744	0.00084	0	0.00084	8.22466E-05
3152	420159.31	3740743	3.32E-04	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	8.27E-04	0.00E+00	0.00E+00	4.17E-05	8.09E-05	0.00E+00	0.00E+00	420159.3	3740743	0.000827	0	0.000827	8.09472E-05
3153	420149.49	3740741	3.26E-04	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	8.13E-04	0.00E+00	0.00E+00	4.10E-05	7.97E-05	0.00E+00	0.00E+00	420149.5	3740741	0.000813	0	0.000813	7.96518E-05
3154	420139.68	3740740	3.21E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.00E-04	0.00E+00	0.00E+00	4.04E-05	7.84E-05	0.00E+00	0.00E+00	420139.7	3740740	0.0008	0	0.0008	7.83759E-05
3155	420129.86	3740739	3.16E-04	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.88E-04	0.00E+00	0.00E+00	3.97E-05	7.71E-05	0.00E+00	0.00E+00	420129.9	3740739	0.000788	0	0.000788	7.71186E-05
3156	420120.05	3740737	3.11E-04	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	7.75E-04	0.00E+00	0.00E+00	3.91E-05	7.59E-05	0.00E+00	0.00E+00	420120.1	3740737	0.000775	0	0.000775	7.58819E-05
3157	420110.24	3740736	3.06E-04	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.64E-04	0.00E+00	0.00E+00	3.85E-05	7.48E-05	0.00E+00	0.00E+00	420110.2	3740736	0.000764	0	0.000764	7.47676E-05
3158	420100.42	3740735	3.02E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.52E-04	0.00E+00	0.00E+00	3.80E-05	7.37E-05	0.00E+00	0.00E+00	420100.4	3740735	0.000752	0	0.000752	7.36758E-05
3159	420090.61	3740733	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.74E-05	7.26E-05	0.00E+00	0.00E+00	420090.6	3740733	0.000742	0	0.000742	7.26095E-05
3160	420080.79	3740732	2.93E-04	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.31E-04	0.00E+00	0.00E+00	3.69E-05	7.15E-05	0.00E+00	0.00E+00	420080.8	3740732	0.000731	0	0.000731	7.15471E-05
3161	420070.98	3740731	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00

3231	419503.9	3740344	2.45E-04	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	6.11E-04	0.00E+00	0.00E+00	3.09E-05	5.99E-05	0.00E+00	0.00E+00	419503.9	3740344	0.000611	0	0.000611	5.98752E-05
3232	419490.12	3740317	2.40E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.99E-04	0.00E+00	0.00E+00	3.02E-05	5.87E-05	0.00E+00	0.00E+00	419490.1	3740317	0.000599	0	0.000599	5.86806E-05
3233	419485.53	3740308	2.38E-04	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.94E-04	0.00E+00	0.00E+00	3.00E-05	5.82E-05	0.00E+00	0.00E+00	419485.5	3740308	0.000594	0	0.000594	5.81959E-05
3234	419480.93	3740300	2.36E-04	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.89E-04	0.00E+00	0.00E+00	2.97E-05	5.77E-05	0.00E+00	0.00E+00	419480.9	3740300	0.000589	0	0.000589	5.76945E-05
3235	419476.34	3740291	2.34E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.84E-04	0.00E+00	0.00E+00	2.95E-05	5.72E-05	0.00E+00	0.00E+00	419476.3	3740291	0.000584	0	0.000584	5.71501E-05
3236	419471.75	3740282	2.32E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.78E-04	0.00E+00	0.00E+00	2.91E-05	5.66E-05	0.00E+00	0.00E+00	419471.8	3740282	0.000578	0	0.000578	5.65655E-05
3237	419467.16	3740273	2.29E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.71E-04	0.00E+00	0.00E+00	2.88E-05	5.60E-05	0.00E+00	0.00E+00	419467.2	3740273	0.000571	0	0.000571	5.59545E-05
3238	419462.56	3740265	2.27E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.65E-04	0.00E+00	0.00E+00	2.85E-05	5.53E-05	0.00E+00	0.00E+00	419462.6	3740265	0.000565	0	0.000565	5.532E-05
3239	419457.97	3740256	2.24E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.58E-04	0.00E+00	0.00E+00	2.82E-05	5.47E-05	0.00E+00	0.00E+00	419458	3740256	0.000558	0	0.000558	5.46552E-05
3240	420296.7	3740761	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.06E-05	9.81E-05	0.00E+00	0.00E+00	420296.7	3740761	0.001002	0	0.001002	9.81143E-05
3241	420306.05	3740758	4.11E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	1.03E-03	0.00E+00	0.00E+00	5.17E-05	1.00E-04	0.00E+00	0.00E+00	420306.1	3740758	0.001025	0	0.001025	0.000100376
3242	420315.4	3740755	4.21E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	1.05E-03	0.00E+00	0.00E+00	5.29E-05	1.03E-04	0.00E+00	0.00E+00	420315.4	3740755	0.001049	0	0.001049	0.000102668
3243	420324.75	3740751	4.30E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	1.07E-03	0.00E+00	0.00E+00	5.41E-05	1.05E-04	0.00E+00	0.00E+00	420324.8	3740751	0.001072	0	0.001072	0.000104939
3244	420334.1	3740748	4.39E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	1.09E-03	0.00E+00	0.00E+00	5.52E-05	1.07E-04	0.00E+00	0.00E+00	420334.1	3740748	0.001095	0	0.001095	0.000107182
3245	420343.45	3740745	4.48E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	1.12E-03	0.00E+00	0.00E+00	5.64E-05	1.09E-04	0.00E+00	0.00E+00	420343.5	3740745	0.001117	0	0.001117	0.000109365
3246	420352.8	3740741	4.57E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	1.14E-03	0.00E+00	0.00E+00	5.75E-05	1.11E-04	0.00E+00	0.00E+00	420352.8	3740741	0.001139	0	0.001139	0.0001115
3247	420362.15	3740738	4.66E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	1.16E-03	0.00E+00	0.00E+00	5.86E-05	1.14E-04	0.00E+00	0.00E+00	420362.2	3740738	0.001161	0	0.001161	0.000113674
3248	420371.5	3740735	4.75E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	1.18E-03	0.00E+00	0.00E+00	5.97E-05	1.16E-04	0.00E+00	0.00E+00	420371.5	3740735	0.001183	0	0.001183	0.000115857
3249	420380.85	3740731	4.83E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	1.20E-03	0.00E+00	0.00E+00	6.08E-05	1.18E-04	0.00E+00	0.00E+00	420380.9	3740731	0.001205	0	0.001205	0.000117982
3250	420390.2	3740728	4.92E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	1.23E-03	0.00E+00	0.00E+00	6.19E-05	1.20E-04	0.00E+00	0.00E+00	420390.2	3740728	0.001227	0	0.001227	0.000120097
3251	420399.54	3740725	5.01E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	1.25E-03	0.00E+00	0.00E+00	6.30E-05	1.22E-04	0.00E+00	0.00E+00	420399.5	3740725	0.001249	0	0.001249	0.00012229
3252	420408.89	3740721	5.08E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	1.27E-03	0.00E+00	0.00E+00	6.39E-05	1.24E-04	0.00E+00	0.00E+00	420408.9	3740721	0.001265	0	0.001265	0.000123906
3253	420418.24	3740718	5.15E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	1.28E-03	0.00E+00	0.00E+00	6.48E-05	1.26E-04	0.00E+00	0.00E+00	420418.2	3740718	0.001285	0	0.001285	0.000125786
3254	420427.59	3740715	5.22E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	1.30E-03	0.00E+00	0.00E+00	6.57E-05	1.28E-04	0.00E+00	0.00E+00	420427.6	3740715	0.001302	0	0.001302	0.000127509
3255	420436.94	3740711	5.29E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	1.32E-03	0.00E+00	0.00E+00	6.65E-05	1.29E-04	0.00E+00	0.00E+00	420436.9	3740711	0.001319	0	0.001319	0.000129106
3256	420300.32	3740798	3.66E-04	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.12E-04	0.00E+00	0.00E+00	4.60E-05	8.93E-05	0.00E+00	0.00E+00	420300.3	3740798	0.000912	0	0.000912	8.93428E-05
3257	420290.55	3740796	3.62E-04	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	9.03E-04	0.00E+00	0.00E+00	4.55E-05	8.84E-05	0.00E+00	0.00E+00	420290.6	3740796	0.000903	0	0.000903	8.83861E-05
3258	420280.78	3740795	3.58E-04	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.93E-04	0.00E+00	0.00E+00	4.50E-05	8.74E-05	0.00E+00	0.00E+00	420280.8	3740795	0.000893	0	0.000893	8.74001E-05
3259	420271.01	3740794	3.54E-04	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	8.82E-04	0.00E+00	0.00E+00	4.45E-05	8.64E-05	0.00E+00	0.00E+00	420271	3740794	0.000882	0	0.000882	8.63886E-05
3260	420261.24	3740792	3.50E-04	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	8.72E-04	0.00E+00	0.00E+00	4.40E-05	8.54E-05	0.00E+00	0.00E+00	420261.2	3740792	0.000872	0	0.000872	8.53516E-05
3261	420251.47	3740791	3.45E-04	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	8.61E-04	0.00E+00	0.00E+00	4.34E-05	8.43E-05	0.00E+00	0.00E+00	420251.5	3740791	0.000861	0	0.000861	8.42941E-05
3262	420222.15	3740787	3.32E-04	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	8.27E-04	0.00E+00	0.00E+00	4.17E-05	8.10E-05	0.00E+00	0.00E+00	420222.2	3740787	0.000827	0	0.000827	8.09747E-05
3263	420212.38	3740786	3.27E-04	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	8.15E-04	0.00E+00	0.00E+00	4.11E-05	7.98E-05	0.00E+00	0.00E+00	420212.4	3740786	0.000815	0	0.000815	7.98378E-05
3264	420202.61	3740784	3.22E-04	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.04E-04	0.00E+00	0.00E+00	4.06E-05	7.87E-05	0.00E+00	0.00E+00	420202.6	3740784	0.000804	0	0.000804	7.8701E-05
3265	420192.84	3740783	3.18E-04	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	7.92E-04	0.00E+00	0.00E+00	4.00E-05	7.76E-05	0.00E+00	0.00E+00	420192.8	3740783	0.000792	0	0.000792	7.75632E-05
3266	420183.07	3740782	3.13E-04	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	7.81E-04	0.00E+00	0.00E+00	3.94E-05	7.64E-05	0.00E+00	0.00E+00	420183.1	3740782	0.000781	0	0.000781	7.64303E-05
3267	420173.3	3740780	3.09E-04	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	7.69E-04	0.00E+00	0.00E+00	3.88E-05	7.53E-05	0.00E+00	0.00E+00	420173.3	3740780	0.000769	0	0.000769	7.53101E-05
3268	420163.53	3740779	3.04E-04	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.58E-04	0.00E+00	0.00E+00	3.82E-05	7.42E-05	0.00E+00	0.00E+00	420163.5	3740779	0.000758	0	0.000758	7.42065E-05
3269	420153.76	3740778	3.00E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	7.47E-04	0.00E+00	0.00E+00	3.77E-05	7.31E-05	0.00E+00	0.00E+00	420153.8	3740778	0.000747	0	0.000747	7.31177E-05
3270	420143.99	3740776	2.95E-04	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	7.36E-04	0.00E+00	0.00E+00	3.71E-05	7.20E-05	0.00E+00	0.00E+00	420144	3740776	0.000736	0	0.000736	7.20396E-05
3271	420134.21	3740775	2.91E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.25E-04	0.00E+00	0.00E+00	3.66E-05	7.10E-05	0.00E+00	0.00E+00	420134.2	3740775	0.000725	0	0.000725	7.09752E-05
3272	420124.44	3740774	2.87E-04	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.14E-04	0.00E+00	0.00E+00	3.60E-05	6.99E-05	0.00E+00	0.00E+00	420124.4	3740774	0.000714	0	0.000714	6.99275E-05
3273	420114.67	3740772	2.82E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	7.04E-04	0.00E+00	0.00E+00	3.55E-05	6.89E-05	0.00E+00	0.00E+00	420114.7	3740772	0.000704	0	0.000704	6.88964E-05
3274	420104.9	3740771	2.78E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.93E-04	0.00E+00	0.00E+00	3.50E-05	6.79E-05	0.00E+00	0.00E+00	420104.9	3740771	0.000693	0	0.000693	6.78898E-05
3275	420095.13	3740770	2.74E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.83E-04	0.00E+00	0.00E+00	3.45E-05	6.69E-05	0.00E+00	0.00E+00	420095.1	3740770	0.000683	0	0.000683	6.69097E-05
3276	420085.36	3740768	2.70E-04	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.74E-04	0.00E+00	0.00E+00	3.40E-05	6.60E-05	0.00E+00	0.00E+00	420085.4	3740768	0.000674	0	0.000674	6.59755E-05
3277	420075.59	3740767	2.67E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.65E-04	0.00E+00	0.00E+00	3.35E-05	6.51E-05	0.00E+00	0.00E+00	420075.6	3740767	0.000665	0	0.000665	6.50854E-05
3278	420065.82	3740766	2.63E-04	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.56E-04	0.00E+00	0.00E+00	3.31E-05	6.42E-05	0.00E+00	0.00E+00	420065.8	3740766	0.000656	0	0.000656	6.42002E-05
3279	420056.05	3740764	2.59E-04	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.47E-04	0.00E+00	0.00E+00	3.26E-05	6.33E-05	0.00E+00	0.00E+00	420056.1	3740764	0.000647	0	0.000647	6.33268E-05
3280	420046.28	3740763	2.56E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.38E-04	0.00E+00	0.00E+00	3.22E-05	6.25E-05	0.00E+00	0.00E+00	420046.3	3740763	0.000638	0	0.000638	6.24965E-05
3281	420036.51	3740762	2.53E-04	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.30E-04	0.00E+00	0.00E+00	3.18E-05	6.17E-05	0.00E+00	0.00E+00	420036.5	3740762	0.00063	0	0.00063	6.16935E-05
3282	420026.73	3740760	2.50E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.22E-04	0.00E+00	0.00E+00	3.14E-05	6.09E-05	0.00E+00	0.00E+00	420026.7	3740760	0.000622	0	0.000622	6.09151E-05
3283	420016.96	3740759	2.47E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.14E-04	0.00E+00	0.00E+00	3.10E-05	6.02E-05	0.00E+00	0.00E+00	420017	3740759	0.000614	0	0.000614	6.0166E-05
3284	420007.19	3740758	2.44E-04	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.07E-04	0.00E+00	0.00E+00	3.06E-05	5.94E-05	0.00E+00	0.00E+00	420007.2	3740758	0.000607	0	0.000607	5.94424E-05
3285	419997.42	3740756	2.41E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.00E-04	0.00E+00	0.00E+00	3.03E-05	5.87E-05	0.00E+00	0.00E+00	419997.4	3740756	0.0006	0	0.0006	5.87452E-05
3286	419987.65	3740755	2.38E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.93E-04	0.00E+00	0.00E+00	2.99E-05	5.81E-05	0.00E+00	0.00E+00	419987.7	3740755	0.000593	0	0.000593	5.80754E-05
3287	419977.88	3740754	2.35E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.86E-04	0.00E+00	0.00E+00	2.96E-05	5.74E-05	0.00E+00	0.00E+00	419977.9	3740754	0.000586	0	0.000586	5.74272E-05
3288	419968.11	3740752	2.33E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.80E-04	0.00E+00	0.00E+00	2.93E-05	5.68E-05	0.00E+00	0.00E+00	419968.1	3740752	0.00058	0	0.00058	5.68035E-05
3289	419958.34	3740751	2.30E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.74E-04	0.00E+00	0.00E+00	2.90E-05	5.62E-05	0.00E+00	0.00E+00	419958.3	3740751	0.000574	0	0.000574	5.61974E-05
3290	419948.57	3740750	2.28E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.68E-04	0.00E+00	0.00E+00	2.87E-05	5.56E-05	0.00E+00	0.00E+00	419948.6	3740750	0.000568	0	0.000568	5.5605E-05
3291	419938.8	3740748	2.25E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.62E-04	0.00E+00	0.00E+00	2.84E-05	5.50E-05	0.00E+00	0.00E+00	419938.8	3740748	0.000562	0	0.000562	5.50253E-05
3292	419929.03	3740747	2.23E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.56E-04	0.00E+00	0.00E+00	2.81E-05	5.45E-05	0.00E+00	0.00E+00	419929	3740747	0.000556	0	0.000556	5.44505E-05
3293	419919.25	3740746	2.21E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.50E-04	0.00E+00	0.00E+00	2.78E-05	5.39E-05	0.00E+00	0.00E+00	419919.3	3740746	0.00055	0	0.00055	5.38885E-05
3294	419909.48	3740744	2.19E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.45E-04	0.00E+00	0.00E+00	2.75E-05	5.33E-05	0.00E+00	0.00E+00	419909.5	3740744	0.000545	0	0.000545	5.33391E-05
3295	419899.71	3740743	2.16E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.39E-04	0.00E+00	0.00E+00	2.72E-05	5.28E-05	0.00E+00	0.00E+00	419899.7	3740743	0.000539	0	0.000539	5.28084E-05
3296	419889.94	3740742	2.14E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.34E-04	0.00E+00	0.00E+00	2.69E-05	5.23E-05	0.00E+00	0.00E+00	419889.9	3740742	0.000534	0	0.000534	5.22865E-05
3297	419880.17	3740740	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00	419880.2	3740740	0.000529	0	0.000529	5.17724E-05
3298	419870.4	3740739	2.10E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.24E-04	0.00E+00	0.00E+00	2.64E-05	5.13E-05	0.00E+00	0.00E+00	419870.4	3740739	0.000524	0	0.000524	5.1275E-05
3299	419860.63	3740738	2.08E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.19E-04	0.00E+00	0.00E+00	2.62E-05	5.08E-05	0.00E+00	0.00E+00	419860.6	3740738	0.000519	0	0.000519	5.07874E-05
3300	419850.86	3740736	2.06E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.14E-04	0.00E+00	0.00E+00	2.59E-05	5.03E-05	0.00E+00	0.00E+00	419850.9	3740736	0.000514	0	0.000514	5.03105E-05
3301	419841.09	3740735	2.04E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.09E-04	0.00E+00	0.00E+00	2.57E-05	4.99E-05	0.00E+00	0.00E+00	419841.1	3740735	0.000509	0	0.000509	4.98689E-05
3302	419831.32	3740734	2.03E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.05E-04	0.00E+00	0.00E+00	2.55E-05	4.94E-05	0.00E+00	0.00E+00	419831.3	3740734	0.000505	0	0.000505	4.94341E-05
3303	419821.55	3740732	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.53E-05	4.90E-05	0.00E+00	0.00E+00	419821.6	3740732	0.0005	0	0.0005	4.90053E-05
3304	419811.77	3740731	1.99E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.96E-04	0.00E+00	0.00E+00	2.50E-05	4.86E-05	0.00E+00	0.00E+00	419811.8	3740731	0.000496	0	0.000496	4.85774E-05
3305	419802	3740730	1.97E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.92E-04	0.00E+00	0.00E+00	2.48E-05	4.82E-05	0.00E+00	0.00E+00	419802	3740730	0.000492	0	0.000492	4.81553E-05
3306	419753.15	3740723	1.89E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.70E-04	0.00E+00	0.00E+00	2.37E-05	4.61E-05	0.00E+00	0.00E+00	419753.2	3740723	0.00047	0	0.00047	4.60618E-05
3307	419743.38	3740722	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.57E-05	0.00E+00	0.00E+00	419743.4	3740722	0.000466	0	0.000466	4.56574E-05
3308	419733.61	3740720	1.85E-04	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.62E-04	0.00E+00	0.00E+00	2.33E-05	4.53E-05	0.00E+00	0.00E+00	419733

3378	420319.44	3740796	3.78E-04	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	9.42E-04	0.00E+00	0.00E+00	4.75E-05	9.23E-05	0.00E+00	0.00E+00	420319.4	3740796	0.000942	0	0.000942	9.22656E-05
3379	420328.79	3740792	3.86E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	9.63E-04	0.00E+00	0.00E+00	4.86E-05	9.43E-05	0.00E+00	0.00E+00	420328.8	3740792	0.000963	0	0.000963	9.42553E-05
3380	420338.14	3740789	3.94E-04	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	9.83E-04	0.00E+00	0.00E+00	4.96E-05	9.62E-05	0.00E+00	0.00E+00	420338.1	3740789	0.000983	0	0.000983	9.62108E-05
3381	420347.49	3740786	4.02E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	1.00E-03	0.00E+00	0.00E+00	5.06E-05	9.81E-05	0.00E+00	0.00E+00	420347.5	3740786	0.001002	0	0.001002	9.81339E-05
3382	420356.84	3740782	4.10E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	1.02E-03	0.00E+00	0.00E+00	5.16E-05	1.00E-04	0.00E+00	0.00E+00	420356.8	3740782	0.001022	0	0.001022	0.000100043
3383	420366.19	3740779	4.18E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	1.04E-03	0.00E+00	0.00E+00	5.25E-05	1.02E-04	0.00E+00	0.00E+00	420366.2	3740779	0.001041	0	0.001041	0.000101914
3384	420375.54	3740776	4.25E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	1.06E-03	0.00E+00	0.00E+00	5.35E-05	1.04E-04	0.00E+00	0.00E+00	420375.5	3740776	0.00106	0	0.00106	0.000103774
3385	420384.89	3740772	4.33E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	1.08E-03	0.00E+00	0.00E+00	5.44E-05	1.06E-04	0.00E+00	0.00E+00	420384.9	3740772	0.001079	0	0.001079	0.000105605
3386	420394.24	3740769	4.40E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	1.10E-03	0.00E+00	0.00E+00	5.54E-05	1.07E-04	0.00E+00	0.00E+00	420394.2	3740769	0.001097	0	0.001097	0.000107426
3387	420403.59	3740766	4.48E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	1.12E-03	0.00E+00	0.00E+00	5.63E-05	1.09E-04	0.00E+00	0.00E+00	420403.6	3740766	0.001116	0	0.001116	0.000109238
3388	420412.93	3740762	4.55E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	1.13E-03	0.00E+00	0.00E+00	5.72E-05	1.11E-04	0.00E+00	0.00E+00	420412.9	3740762	0.001133	0	0.001133	0.000110981
3389	420422.28	3740759	4.62E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	1.15E-03	0.00E+00	0.00E+00	5.81E-05	1.13E-04	0.00E+00	0.00E+00	420422.3	3740759	0.001151	0	0.001151	0.000112665
3390	420431.63	3740756	4.68E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.17E-03	0.00E+00	0.00E+00	5.89E-05	1.14E-04	0.00E+00	0.00E+00	420431.6	3740756	0.001167	0	0.001167	0.000114281
3391	420440.98	3740752	4.75E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	1.18E-03	0.00E+00	0.00E+00	5.97E-05	1.16E-04	0.00E+00	0.00E+00	420441	3740752	0.001183	0	0.001183	0.000115808
3392	420450.33	3740749	4.80E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	1.20E-03	0.00E+00	0.00E+00	6.04E-05	1.17E-04	0.00E+00	0.00E+00	420450.3	3740749	0.001198	0	0.001198	0.000117257
3393	420313.75	3740835	3.38E-04	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	8.42E-04	0.00E+00	0.00E+00	4.25E-05	8.25E-05	0.00E+00	0.00E+00	420313.8	3740835	0.000842	0	0.000842	8.2466E-05
3394	420304.02	3740834	3.34E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	8.34E-04	0.00E+00	0.00E+00	4.21E-05	8.16E-05	0.00E+00	0.00E+00	420304	3740834	0.000834	0	0.000834	8.16268E-05
3395	420294.28	3740833	3.31E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.25E-04	0.00E+00	0.00E+00	4.16E-05	8.08E-05	0.00E+00	0.00E+00	420294.3	3740833	0.000825	0	0.000825	8.07622E-05
3396	420284.55	3740831	3.27E-04	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	8.16E-04	0.00E+00	0.00E+00	4.12E-05	7.99E-05	0.00E+00	0.00E+00	420284.6	3740831	0.000816	0	0.000816	7.98731E-05
3397	420274.82	3740830	3.24E-04	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.06E-04	0.00E+00	0.00E+00	4.07E-05	7.90E-05	0.00E+00	0.00E+00	420274.8	3740830	0.000806	0	0.000806	7.89575E-05
3398	420265.09	3740829	3.20E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.97E-04	0.00E+00	0.00E+00	4.02E-05	7.80E-05	0.00E+00	0.00E+00	420265.1	3740829	0.000797	0	0.000797	7.80273E-05
3399	420255.35	3740827	3.16E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.87E-04	0.00E+00	0.00E+00	3.97E-05	7.71E-05	0.00E+00	0.00E+00	420255.4	3740827	0.000787	0	0.000787	7.70755E-05
3400	420216.42	3740822	3.00E-04	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	7.47E-04	0.00E+00	0.00E+00	3.77E-05	7.32E-05	0.00E+00	0.00E+00	420216.4	3740822	0.000747	0	0.000747	7.31774E-05
3401	420206.69	3740821	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.22E-05	0.00E+00	0.00E+00	420206.7	3740821	0.000737	0	0.000737	7.21855E-05
3402	420196.96	3740819	2.92E-04	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	7.27E-04	0.00E+00	0.00E+00	3.67E-05	7.12E-05	0.00E+00	0.00E+00	420197	3740819	0.000727	0	0.000727	7.11936E-05
3403	420187.22	3740818	2.88E-04	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.17E-04	0.00E+00	0.00E+00	3.62E-05	7.02E-05	0.00E+00	0.00E+00	420187.2	3740818	0.000717	0	0.000717	7.02056E-05
3404	420177.49	3740817	2.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.07E-04	0.00E+00	0.00E+00	3.57E-05	6.92E-05	0.00E+00	0.00E+00	420177.5	3740817	0.000707	0	0.000707	6.92303E-05
3405	420167.76	3740815	2.80E-04	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.97E-04	0.00E+00	0.00E+00	3.52E-05	6.83E-05	0.00E+00	0.00E+00	420167.8	3740815	0.000697	0	0.000697	6.82815E-05
3406	420158.03	3740814	2.76E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	6.88E-04	0.00E+00	0.00E+00	3.47E-05	6.73E-05	0.00E+00	0.00E+00	420158	3740814	0.000688	0	0.000688	6.73346E-05
3407	420148.29	3740813	2.72E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.78E-04	0.00E+00	0.00E+00	3.42E-05	6.64E-05	0.00E+00	0.00E+00	420148.3	3740813	0.000678	0	0.000678	6.63946E-05
3408	420138.56	3740811	2.68E-04	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.68E-04	0.00E+00	0.00E+00	3.37E-05	6.54E-05	0.00E+00	0.00E+00	420138.6	3740811	0.000668	0	0.000668	6.54487E-05
3409	420128.83	3740810	2.64E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.59E-04	0.00E+00	0.00E+00	3.33E-05	6.45E-05	0.00E+00	0.00E+00	420128.8	3740810	0.000659	0	0.000659	6.45234E-05
3410	420119.1	3740809	2.61E-04	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.50E-04	0.00E+00	0.00E+00	3.28E-05	6.36E-05	0.00E+00	0.00E+00	420119.1	3740809	0.00065	0	0.00065	6.36176E-05
3411	420109.36	3740807	2.57E-04	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	6.41E-04	0.00E+00	0.00E+00	3.23E-05	6.28E-05	0.00E+00	0.00E+00	420109.4	3740807	0.000641	0	0.000641	6.2752E-05
3412	420099.63	3740806	2.54E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.32E-04	0.00E+00	0.00E+00	3.19E-05	6.19E-05	0.00E+00	0.00E+00	420099.6	3740806	0.000632	0	0.000632	6.1909E-05
3413	420089.9	3740805	2.50E-04	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	6.24E-04	0.00E+00	0.00E+00	3.15E-05	6.11E-05	0.00E+00	0.00E+00	420089.9	3740805	0.000624	0	0.000624	6.10913E-05
3414	420080.16	3740804	2.47E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.16E-04	0.00E+00	0.00E+00	3.11E-05	6.03E-05	0.00E+00	0.00E+00	420080.2	3740804	0.000616	0	0.000616	6.02904E-05
3415	420070.43	3740802	2.44E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.08E-04	0.00E+00	0.00E+00	3.07E-05	5.95E-05	0.00E+00	0.00E+00	420070.4	3740802	0.000608	0	0.000608	5.95129E-05
3416	420060.7	3740801	2.41E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.00E-04	0.00E+00	0.00E+00	3.03E-05	5.88E-05	0.00E+00	0.00E+00	420060.7	3740801	0.0006	0	0.0006	5.8754E-05
3417	420050.97	3740800	2.38E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.92E-04	0.00E+00	0.00E+00	2.99E-05	5.80E-05	0.00E+00	0.00E+00	420051	3740800	0.000592	0	0.000592	5.80147E-05
3418	420041.23	3740798	2.35E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.85E-04	0.00E+00	0.00E+00	2.95E-05	5.73E-05	0.00E+00	0.00E+00	420041.2	3740798	0.000585	0	0.000585	5.72999E-05
3419	420031.5	3740797	2.32E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.78E-04	0.00E+00	0.00E+00	2.92E-05	5.66E-05	0.00E+00	0.00E+00	420031.5	3740797	0.000578	0	0.000578	5.66086E-05
3420	420021.77	3740796	2.29E-04	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.71E-04	0.00E+00	0.00E+00	2.88E-05	5.59E-05	0.00E+00	0.00E+00	420021.8	3740796	0.000571	0	0.000571	5.59408E-05
3421	420012.04	3740794	2.27E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.65E-04	0.00E+00	0.00E+00	2.85E-05	5.53E-05	0.00E+00	0.00E+00	420012	3740794	0.000565	0	0.000565	5.52936E-05
3422	420002.3	3740793	2.24E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.58E-04	0.00E+00	0.00E+00	2.82E-05	5.47E-05	0.00E+00	0.00E+00	420002.3	3740793	0.000558	0	0.000558	5.46679E-05
3423	419992.57	3740792	2.22E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	5.52E-04	0.00E+00	0.00E+00	2.79E-05	5.41E-05	0.00E+00	0.00E+00	419992.6	3740792	0.000552	0	0.000552	5.40618E-05
3424	419982.84	3740790	2.19E-04	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.46E-04	0.00E+00	0.00E+00	2.76E-05	5.35E-05	0.00E+00	0.00E+00	419982.8	3740790	0.000546	0	0.000546	5.34782E-05
3425	419973.1	3740789	2.17E-04	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.40E-04	0.00E+00	0.00E+00	2.73E-05	5.29E-05	0.00E+00	0.00E+00	419973.1	3740789	0.00054	0	0.00054	5.29132E-05
3426	419963.37	3740788	2.15E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.35E-04	0.00E+00	0.00E+00	2.70E-05	5.24E-05	0.00E+00	0.00E+00	419963.4	3740788	0.000535	0	0.000535	5.23648E-05
3427	419953.64	3740786	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00	419953.6	3740786	0.000529	0	0.000529	5.18302E-05
3428	419943.91	3740785	2.10E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.24E-04	0.00E+00	0.00E+00	2.64E-05	5.13E-05	0.00E+00	0.00E+00	419943.9	3740785	0.000524	0	0.000524	5.13132E-05
3429	419934.17	3740784	2.08E-04	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.19E-04	0.00E+00	0.00E+00	2.62E-05	5.08E-05	0.00E+00	0.00E+00	419934.2	3740784	0.000519	0	0.000519	5.08021E-05
3430	419924.44	3740782	2.06E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.14E-04	0.00E+00	0.00E+00	2.59E-05	5.03E-05	0.00E+00	0.00E+00	419924.4	3740782	0.000514	0	0.000514	5.02997E-05
3431	419914.71	3740781	2.04E-04	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.09E-04	0.00E+00	0.00E+00	2.57E-05	4.98E-05	0.00E+00	0.00E+00	419914.7	3740781	0.000509	0	0.000509	4.98072E-05
3432	419904.98	3740780	2.02E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.04E-04	0.00E+00	0.00E+00	2.54E-05	4.93E-05	0.00E+00	0.00E+00	419905	3740780	0.000504	0	0.000504	4.93284E-05
3433	419895.24	3740778	2.00E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.99E-04	0.00E+00	0.00E+00	2.52E-05	4.89E-05	0.00E+00	0.00E+00	419895.2	3740778	0.000499	0	0.000499	4.88613E-05
3434	419885.51	3740777	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.84E-05	0.00E+00	0.00E+00	419885.5	3740777	0.000494	0	0.000494	4.8406E-05
3435	419875.78	3740776	1.97E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.90E-04	0.00E+00	0.00E+00	2.47E-05	4.80E-05	0.00E+00	0.00E+00	419875.8	3740776	0.00049	0	0.00049	4.79605E-05
3436	419866.04	3740774	1.95E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.85E-04	0.00E+00	0.00E+00	2.45E-05	4.75E-05	0.00E+00	0.00E+00	419866	3740774	0.000485	0	0.000485	4.75238E-05
3437	419856.31	3740773	1.93E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.81E-04	0.00E+00	0.00E+00	2.43E-05	4.71E-05	0.00E+00	0.00E+00	419856.3	3740773	0.000481	0	0.000481	4.7091E-05
3438	419846.58	3740772	1.91E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.77E-04	0.00E+00	0.00E+00	2.41E-05	4.67E-05	0.00E+00	0.00E+00	419846.6	3740772	0.000477	0	0.000477	4.66758E-05
3439	419836.85	3740770	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00	419836.9	3740770	0.000473	0	0.000473	4.6288E-05
3440	419827.11	3740769	1.88E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.69E-04	0.00E+00	0.00E+00	2.37E-05	4.59E-05	0.00E+00	0.00E+00	419827.1	3740769	0.000469	0	0.000469	4.59022E-05
3441	419817.38	3740768	1.87E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.65E-04	0.00E+00	0.00E+00	2.35E-05	4.55E-05	0.00E+00	0.00E+00	419817.4	3740768	0.000465	0	0.000465	4.55203E-05
3442	419807.65	3740766	1.85E-04	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.61E-04	0.00E+00	0.00E+00	2.33E-05	4.51E-05	0.00E+00	0.00E+00	419807.7	3740766	0.000461	0	0.000461	4.51453E-05
3443	419797.92	3740765	1.83E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.57E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00	419797.9	3740765	0.000457	0	0.000457	4.47693E-05
3444	419749.25	3740758	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.29E-05	0.00E+00	0.00E+00	419749.3	3740758	0.000438	0	0.000438	4.28854E-05
3445	419739.52	3740757	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00	419739.5	3740757	0.000434	0	0.000434	4.2528E-05
3446	419729.79	3740756	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.17E-05	4.22E-05	0.00E+00	0.00E+00	419729.8	3740756	0.000431	0	0.000431	4.21764E-05
3447	419720.05	3740754	1.71E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.27E-04	0.00E+00	0.00E+00	2.16E-05	4.18E-05	0.00E+00	0.00E+00	419720.1	3740754	0.000427	0	0.000427	4.18425E-05
3448	419710.32	3740753	1.70E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.24E-04	0.00E+00	0.00E+00	2.14E-05	4.15E-05	0.00E+00	0.00E+00	419710.3	3740753	0.000424	0	0.000424	4.15125E-05
3449	419700.59	3740752	1.69E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.21E-04	0.00E+00	0.00E+00	2.12E-05	4.12E-05	0.00E+00	0.00E+00	419700.6	3740752	0.000421	0	0.000421	4.11747E-05
3450	419690.86	3740750	1.67E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.17E-04	0.00E+00	0.00E+00	2.10E-05	4.08E-05	0.00E+00	0.00E+00	419690.9	3740750	0.000417	0	0.000417	4.08379E-05
3451	419681.12	3740749	1.66E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.14E-04	0.00E+00	0.00E+00	2.09E-05	4.05E-05	0.00E+00	0.00E+00	419681.1	3740749	0.000414	0	0.000414	4.0504E-05
3452	419671.39	3740748	1.65E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.02E-05	0.00E+00	0.00E+00	419671.4	3740748	0.00041	0	0.00041	4.01759E-05
3453	419661.66	3740747	1.63E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.07E-04	0.00E+00	0.00E+00	2.05E-05	3.99E-05	0.00E+00	0.00E+00	419661.7	3740747	0.000407	0	0.000407	3.98597E-05
3454	419651.93	3740745	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.95E-05	0.00E+00	0.00E+00	419651.9	3740745	0.000404	0	0.000404	3.95493E-05
3455	419642.19	3740744	1.61E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.01E-04	0.00E+00	0.00E+00	2.02E-05	3.92E-05	0.00E+00	0.00E+00	419642.2

3525	420360.88	3740823	3.69E-04	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	9.21E-04	0.00E+00	0.00E+00	4.64E-05	9.01E-05	0.00E+00	0.00E+00	420360.9	3740823	0.000921	0	0.000921	9.01369E-05
3526	420370.23	3740820	3.76E-04	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	9.38E-04	0.00E+00	0.00E+00	4.73E-05	9.18E-05	0.00E+00	0.00E+00	420370.2	3740820	0.000938	0	0.000938	9.18299E-05
3527	420379.58	3740817	3.83E-04	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	9.55E-04	0.00E+00	0.00E+00	4.82E-05	9.35E-05	0.00E+00	0.00E+00	420379.6	3740817	0.000955	0	0.000955	9.35072E-05
3528	420388.93	3740813	3.90E-04	9.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	9.72E-04	0.00E+00	0.00E+00	4.90E-05	9.51E-05	0.00E+00	0.00E+00	420388.9	3740813	0.000972	0	0.000972	9.51474E-05
3529	420398.28	3740810	3.96E-04	9.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	9.88E-04	0.00E+00	0.00E+00	4.99E-05	9.68E-05	0.00E+00	0.00E+00	420398.3	3740810	0.000988	0	0.000988	9.6765E-05
3530	420407.63	3740807	4.03E-04	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	1.00E-03	0.00E+00	0.00E+00	5.07E-05	9.84E-05	0.00E+00	0.00E+00	420407.6	3740807	0.001005	0	0.001005	9.83591E-05
3531	420416.98	3740803	4.09E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.02E-03	0.00E+00	0.00E+00	5.15E-05	9.99E-05	0.00E+00	0.00E+00	420417	3740803	0.00102	0	0.00102	9.9916E-05
3532	420426.32	3740800	4.16E-04	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	1.04E-03	0.00E+00	0.00E+00	5.23E-05	1.01E-04	0.00E+00	0.00E+00	420426.3	3740800	0.001036	0	0.001036	0.000101434
3533	420435.67	3740797	4.22E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	1.05E-03	0.00E+00	0.00E+00	5.30E-05	1.03E-04	0.00E+00	0.00E+00	420435.7	3740797	0.001051	0	0.001051	0.000102903
3534	420445.02	3740793	4.27E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	1.07E-03	0.00E+00	0.00E+00	5.38E-05	1.04E-04	0.00E+00	0.00E+00	420445	3740793	0.001065	0	0.001065	0.000104322
3535	420454.37	3740790	4.33E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	1.08E-03	0.00E+00	0.00E+00	5.44E-05	1.06E-04	0.00E+00	0.00E+00	420454.4	3740790	0.001079	0	0.001079	0.000105654
3536	420463.72	3740787	4.38E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	1.09E-03	0.00E+00	0.00E+00	5.51E-05	1.07E-04	0.00E+00	0.00E+00	420463.7	3740787	0.001091	0	0.001091	0.000106868
3537	420327.04	3740873	3.13E-04	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	7.80E-04	0.00E+00	0.00E+00	3.94E-05	7.64E-05	0.00E+00	0.00E+00	420327	3740873	0.00078	0	0.00078	7.64068E-05
3538	420317.21	3740872	3.10E-04	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	7.73E-04	0.00E+00	0.00E+00	3.90E-05	7.56E-05	0.00E+00	0.00E+00	420317.2	3740872	0.000773	0	0.000773	7.56499E-05
3539	420307.38	3740870	3.07E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	7.65E-04	0.00E+00	0.00E+00	3.86E-05	7.49E-05	0.00E+00	0.00E+00	420307.4	3740870	0.000765	0	0.000765	7.48694E-05
3540	420297.55	3740869	3.03E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	7.56E-04	0.00E+00	0.00E+00	3.82E-05	7.41E-05	0.00E+00	0.00E+00	420297.6	3740869	0.000756	0	0.000756	7.40616E-05
3541	420287.72	3740868	3.00E-04	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	7.48E-04	0.00E+00	0.00E+00	3.77E-05	7.32E-05	0.00E+00	0.00E+00	420287.7	3740868	0.000748	0	0.000748	7.32264E-05
3542	420277.89	3740866	2.97E-04	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.39E-04	0.00E+00	0.00E+00	3.73E-05	7.24E-05	0.00E+00	0.00E+00	420277.9	3740866	0.000739	0	0.000739	7.23755E-05
3543	420268.06	3740865	2.93E-04	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	7.30E-04	0.00E+00	0.00E+00	3.69E-05	7.15E-05	0.00E+00	0.00E+00	420268.1	3740865	0.00073	0	0.00073	7.15177E-05
3544	420258.24	3740864	2.90E-04	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.22E-04	0.00E+00	0.00E+00	3.64E-05	7.07E-05	0.00E+00	0.00E+00	420258.2	3740864	0.000722	0	0.000722	7.06589E-05
3545	420218.92	3740858	2.76E-04	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	6.87E-04	0.00E+00	0.00E+00	3.47E-05	6.72E-05	0.00E+00	0.00E+00	420218.9	3740858	0.000687	0	0.000687	6.72484E-05
3546	420209.09	3740857	2.72E-04	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.78E-04	0.00E+00	0.00E+00	3.42E-05	6.64E-05	0.00E+00	0.00E+00	420209.1	3740857	0.000678	0	0.000678	6.64015E-05
3547	420199.26	3740856	2.69E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.69E-04	0.00E+00	0.00E+00	3.38E-05	6.55E-05	0.00E+00	0.00E+00	420199.3	3740856	0.000669	0	0.000669	6.55378E-05
3548	420189.43	3740854	2.65E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.60E-04	0.00E+00	0.00E+00	3.33E-05	6.47E-05	0.00E+00	0.00E+00	420189.4	3740854	0.00066	0	0.00066	6.46722E-05
3549	420179.6	3740853	2.61E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.52E-04	0.00E+00	0.00E+00	3.29E-05	6.38E-05	0.00E+00	0.00E+00	420179.6	3740853	0.000652	0	0.000652	6.38125E-05
3550	420169.77	3740852	2.58E-04	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	6.43E-04	0.00E+00	0.00E+00	3.24E-05	6.30E-05	0.00E+00	0.00E+00	420169.8	3740852	0.000643	0	0.000643	6.29645E-05
3551	420159.94	3740850	2.54E-04	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.34E-04	0.00E+00	0.00E+00	3.20E-05	6.21E-05	0.00E+00	0.00E+00	420159.9	3740850	0.000634	0	0.000634	6.21097E-05
3552	420150.11	3740849	2.51E-04	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.26E-04	0.00E+00	0.00E+00	3.16E-05	6.13E-05	0.00E+00	0.00E+00	420150.1	3740849	0.000626	0	0.000626	6.12607E-05
3553	420140.28	3740848	2.48E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.17E-04	0.00E+00	0.00E+00	3.11E-05	6.04E-05	0.00E+00	0.00E+00	420140.3	3740848	0.000617	0	0.000617	6.04235E-05
3554	420130.45	3740846	2.44E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.08E-04	0.00E+00	0.00E+00	3.07E-05	5.96E-05	0.00E+00	0.00E+00	420130.5	3740846	0.000608	0	0.000608	5.95765E-05
3555	420120.62	3740845	2.41E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.00E-04	0.00E+00	0.00E+00	3.03E-05	5.87E-05	0.00E+00	0.00E+00	420120.6	3740845	0.0006	0	0.0006	5.87472E-05
3556	420110.79	3740844	2.37E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	5.92E-04	0.00E+00	0.00E+00	2.99E-05	5.80E-05	0.00E+00	0.00E+00	420110.8	3740844	0.000592	0	0.000592	5.7954E-05
3557	420100.96	3740842	2.34E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.84E-04	0.00E+00	0.00E+00	2.95E-05	5.72E-05	0.00E+00	0.00E+00	420101	3740842	0.000584	0	0.000584	5.71815E-05
3558	420091.13	3740841	2.31E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.76E-04	0.00E+00	0.00E+00	2.91E-05	5.64E-05	0.00E+00	0.00E+00	420091.1	3740841	0.000576	0	0.000576	5.64304E-05
3559	420081.3	3740840	2.28E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.69E-04	0.00E+00	0.00E+00	2.87E-05	5.57E-05	0.00E+00	0.00E+00	420081.3	3740840	0.000569	0	0.000569	5.57058E-05
3560	420071.47	3740838	2.25E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.62E-04	0.00E+00	0.00E+00	2.83E-05	5.50E-05	0.00E+00	0.00E+00	420071.5	3740838	0.000562	0	0.000562	5.50077E-05
3561	420061.64	3740837	2.23E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.55E-04	0.00E+00	0.00E+00	2.80E-05	5.43E-05	0.00E+00	0.00E+00	420061.6	3740837	0.000555	0	0.000555	5.4331E-05
3562	420051.81	3740836	2.20E-04	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.48E-04	0.00E+00	0.00E+00	2.77E-05	5.37E-05	0.00E+00	0.00E+00	420051.8	3740836	0.000548	0	0.000548	5.36838E-05
3563	420041.98	3740834	2.17E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.42E-04	0.00E+00	0.00E+00	2.73E-05	5.31E-05	0.00E+00	0.00E+00	420042	3740834	0.000542	0	0.000542	5.30591E-05
3564	420032.15	3740833	2.15E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.36E-04	0.00E+00	0.00E+00	2.70E-05	5.24E-05	0.00E+00	0.00E+00	420032.2	3740833	0.000536	0	0.000536	5.24491E-05
3565	420022.32	3740831	2.12E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.30E-04	0.00E+00	0.00E+00	2.67E-05	5.19E-05	0.00E+00	0.00E+00	420022.3	3740831	0.00053	0	0.00053	5.18596E-05
3566	420012.49	3740830	2.10E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.24E-04	0.00E+00	0.00E+00	2.64E-05	5.13E-05	0.00E+00	0.00E+00	420012.5	3740830	0.000524	0	0.000524	5.12936E-05
3567	420002.66	3740829	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00	420002.7	3740829	0.000518	0	0.000518	5.07433E-05
3568	419992.84	3740827	2.06E-04	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.13E-04	0.00E+00	0.00E+00	2.59E-05	5.02E-05	0.00E+00	0.00E+00	419992.8	3740827	0.000513	0	0.000513	5.02057E-05
3569	419983.01	3740826	2.04E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.97E-05	0.00E+00	0.00E+00	419983	3740826	0.000507	0	0.000507	4.96838E-05
3570	419973.18	3740825	2.02E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.02E-04	0.00E+00	0.00E+00	2.53E-05	4.92E-05	0.00E+00	0.00E+00	419973.2	3740825	0.000502	0	0.000502	4.91766E-05
3571	419963.35	3740823	1.99E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.97E-04	0.00E+00	0.00E+00	2.51E-05	4.87E-05	0.00E+00	0.00E+00	419963.4	3740823	0.000497	0	0.000497	4.86792E-05
3572	419953.52	3740822	1.97E-04	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.92E-04	0.00E+00	0.00E+00	2.48E-05	4.82E-05	0.00E+00	0.00E+00	419953.5	3740822	0.000492	0	0.000492	4.81857E-05
3573	419943.69	3740821	1.95E-04	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.87E-04	0.00E+00	0.00E+00	2.46E-05	4.77E-05	0.00E+00	0.00E+00	419943.7	3740821	0.000487	0	0.000487	4.77039E-05
3574	419933.86	3740819	1.94E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.82E-04	0.00E+00	0.00E+00	2.43E-05	4.72E-05	0.00E+00	0.00E+00	419933.9	3740819	0.000482	0	0.000482	4.72339E-05
3575	419924.03	3740818	1.92E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.78E-04	0.00E+00	0.00E+00	2.41E-05	4.68E-05	0.00E+00	0.00E+00	419924	3740818	0.000478	0	0.000478	4.67776E-05
3576	419914.2	3740817	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00	419914.2	3740817	0.000473	0	0.000473	4.63311E-05
3577	419904.37	3740815	1.88E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.69E-04	0.00E+00	0.00E+00	2.37E-05	4.59E-05	0.00E+00	0.00E+00	419904.4	3740815	0.000469	0	0.000469	4.58944E-05
3578	419894.54	3740814	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.55E-05	0.00E+00	0.00E+00	419894.5	3740814	0.000464	0	0.000464	4.54665E-05
3579	419884.71	3740813	1.85E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.60E-04	0.00E+00	0.00E+00	2.32E-05	4.50E-05	0.00E+00	0.00E+00	419884.7	3740813	0.00046	0	0.00046	4.50454E-05
3580	419874.88	3740811	1.83E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.56E-04	0.00E+00	0.00E+00	2.30E-05	4.46E-05	0.00E+00	0.00E+00	419874.9	3740811	0.000456	0	0.000456	4.46342E-05
3581	419865.05	3740810	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00	419865.1	3740810	0.000452	0	0.000452	4.42356E-05
3582	419855.22	3740809	1.80E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.48E-04	0.00E+00	0.00E+00	2.26E-05	4.38E-05	0.00E+00	0.00E+00	419855.2	3740809	0.000448	0	0.000448	4.3845E-05
3583	419845.39	3740807	1.78E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.44E-04	0.00E+00	0.00E+00	2.24E-05	4.35E-05	0.00E+00	0.00E+00	419845.4	3740807	0.000444	0	0.000444	4.34934E-05
3584	419835.56	3740806	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.22E-05	4.32E-05	0.00E+00	0.00E+00	419835.6	3740806	0.000441	0	0.000441	4.31762E-05
3585	419825.73	3740805	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.28E-05	0.00E+00	0.00E+00	419825.7	3740805	0.000438	0	0.000438	4.28472E-05
3586	419815.9	3740803	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00	419815.9	3740803	0.000434	0	0.000434	4.25152E-05
3587	419806.07	3740802	1.73E-04	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.31E-04	0.00E+00	0.00E+00	2.17E-05	4.22E-05	0.00E+00	0.00E+00	419806.1	3740802	0.000431	0	0.000431	4.21813E-05
3588	419796.24	3740801	1.71E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.27E-04	0.00E+00	0.00E+00	2.16E-05	4.18E-05	0.00E+00	0.00E+00	419796.2	3740801	0.000427	0	0.000427	4.18318E-05
3589	419747.09	3740794	1.64E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.01E-05	0.00E+00	0.00E+00	419747.1	3740794	0.00041	0	0.00041	4.01084E-05
3590	419737.27	3740793	1.63E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.06E-04	0.00E+00	0.00E+00	2.05E-05	3.98E-05	0.00E+00	0.00E+00	419737.3	3740793	0.000406	0	0.000406	3.97921E-05
3591	419727.44	3740791	1.62E-04	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.03E-04	0.00E+00	0.00E+00	2.03E-05	3.95E-05	0.00E+00	0.00E+00	419727.4	3740791	0.000403	0	0.000403	3.94758E-05
3592	419717.61	3740790	1.60E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	4.00E-04	0.00E+00	0.00E+00	2.02E-05	3.92E-05	0.00E+00	0.00E+00	419717.6	3740790	0.0004	0	0.0004	3.91586E-05
3593	419707.78	3740789	1.59E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.97E-04	0.00E+00	0.00E+00	2.00E-05	3.88E-05	0.00E+00	0.00E+00	419707.8	3740789	0.000397	0	0.000397	3.88482E-05
3594	419697.95	3740787	1.58E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.94E-04	0.00E+00	0.00E+00	1.99E-05	3.85E-05	0.00E+00	0.00E+00	419698	3740787	0.000394	0	0.000394	3.85436E-05
3595	419688.12	3740786	1.57E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.91E-04	0.00E+00	0.00E+00	1.97E-05	3.83E-05	0.00E+00	0.00E+00	419688.1	3740786	0.000391	0	0.000391	3.82509E-05
3596	419678.29	3740785	1.56E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.88E-04	0.00E+00	0.00E+00	1.96E-05	3.80E-05	0.00E+00	0.00E+00	419678.3	3740785	0.000388	0	0.000388	3.79581E-05
3597	419668.46	3740783	1.54E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.85E-04	0.00E+00	0.00E+00	1.94E-05	3.77E-05	0.00E+00	0.00E+00	419668.5	3740783	0.000385	0	0.000385	3.76614E-05
3598	419658.63	3740782	1.53E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.82E-04	0.00E+00	0.00E+00	1.93E-05	3.74E-05	0.00E+00	0.00E+00	419658.6	3740782	0.000382	0	0.000382	3.73696E-05
3599	419648.8	3740781	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00	419648.8	3740781	0.000379	0	0.000379	3.70778E-05
3600	419638.97	3740779	1.51E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.76E-04	0.00E+00	0.00E+00	1.90E-05	3.68E-05	0.00E+00	0.00E+00	419639	3740779	0.000376	0	0.000376	3.6788E-05
3601	419629.14	3740778	1.50E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.65E-05	0.00E+00	0.00E+00	419629.1	3740778	0.000373	0	0.000373	3.6503E-05
3602	419619.31	3740777	1.48E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.70E-04	0.00E+00	0.00E+00	1.87E-05	3.62E-05	0.00E+00	0.00

3672	420346.22	3740871	3.22E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.03E-04	0.00E+00	0.00E+00	4.05E-05	7.87E-05	0.00E+00	0.00E+00	420346.2	3740871	0.000803	0	0.000803	7.86618E-05
3673	420355.57	3740868	3.29E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	8.19E-04	0.00E+00	0.00E+00	4.13E-05	8.02E-05	0.00E+00	0.00E+00	420355.6	3740868	0.000819	0	0.000819	8.01943E-05
3674	420364.92	3740864	3.35E-04	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	8.35E-04	0.00E+00	0.00E+00	4.21E-05	8.17E-05	0.00E+00	0.00E+00	420364.9	3740864	0.000835	0	0.000835	8.17237E-05
3675	420374.27	3740861	3.41E-04	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.50E-04	0.00E+00	0.00E+00	4.29E-05	8.32E-05	0.00E+00	0.00E+00	420374.3	3740861	0.00085	0	0.00085	8.32483E-05
3676	420383.62	3740858	3.47E-04	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	8.66E-04	0.00E+00	0.00E+00	4.37E-05	8.47E-05	0.00E+00	0.00E+00	420383.6	3740858	0.000866	0	0.000866	8.47494E-05
3677	420392.97	3740854	3.53E-04	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.80E-04	0.00E+00	0.00E+00	4.44E-05	8.62E-05	0.00E+00	0.00E+00	420393	3740854	0.00088	0	0.00088	8.62143E-05
3678	420402.32	3740851	3.59E-04	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	8.95E-04	0.00E+00	0.00E+00	4.52E-05	8.76E-05	0.00E+00	0.00E+00	420402.3	3740851	0.000895	0	0.000895	8.76292E-05
3679	420411.67	3740848	3.65E-04	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	9.09E-04	0.00E+00	0.00E+00	4.59E-05	8.90E-05	0.00E+00	0.00E+00	420411.7	3740848	0.000909	0	0.000909	8.90216E-05
3680	420421.02	3740844	3.70E-04	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	9.23E-04	0.00E+00	0.00E+00	4.66E-05	9.04E-05	0.00E+00	0.00E+00	420421	3740844	0.000923	0	0.000923	9.03895E-05
3681	420430.37	3740841	3.76E-04	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	9.37E-04	0.00E+00	0.00E+00	4.73E-05	9.17E-05	0.00E+00	0.00E+00	420430.4	3740841	0.000937	0	0.000937	9.17467E-05
3682	420439.71	3740838	3.81E-04	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	9.50E-04	0.00E+00	0.00E+00	4.80E-05	9.31E-05	0.00E+00	0.00E+00	420439.7	3740838	0.00095	0	0.00095	9.30617E-05
3683	420449.06	3740834	3.87E-04	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	9.63E-04	0.00E+00	0.00E+00	4.86E-05	9.43E-05	0.00E+00	0.00E+00	420449.1	3740834	0.000963	0	0.000963	9.43376E-05
3684	420458.41	3740831	3.91E-04	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	9.76E-04	0.00E+00	0.00E+00	4.92E-05	9.55E-05	0.00E+00	0.00E+00	420458.4	3740831	0.000976	0	0.000976	9.55381E-05
3685	420467.76	3740828	3.96E-04	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	9.87E-04	0.00E+00	0.00E+00	4.98E-05	9.67E-05	0.00E+00	0.00E+00	420467.8	3740828	0.000987	0	0.000987	9.66788E-05
3686	420477.11	3740824	4.01E-04	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	9.98E-04	0.00E+00	0.00E+00	5.04E-05	9.78E-05	0.00E+00	0.00E+00	420477.1	3740824	0.000998	0	0.000998	9.77579E-05
3687	420340.47	3740911	2.91E-04	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.26E-04	0.00E+00	0.00E+00	3.66E-05	7.11E-05	0.00E+00	0.00E+00	420340.5	3740911	0.000726	0	0.000726	7.10634E-05
3688	420330.68	3740909	2.88E-04	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.19E-04	0.00E+00	0.00E+00	3.63E-05	7.04E-05	0.00E+00	0.00E+00	420330.7	3740909	0.000719	0	0.000719	7.03867E-05
3689	420320.89	3740908	2.86E-04	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	7.12E-04	0.00E+00	0.00E+00	3.59E-05	6.97E-05	0.00E+00	0.00E+00	420320.9	3740908	0.000712	0	0.000712	6.97062E-05
3690	420311.09	3740907	2.83E-04	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	7.05E-04	0.00E+00	0.00E+00	3.56E-05	6.90E-05	0.00E+00	0.00E+00	420311.1	3740907	0.000705	0	0.000705	6.90159E-05
3691	420301.3	3740905	2.80E-04	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	6.98E-04	0.00E+00	0.00E+00	3.52E-05	6.83E-05	0.00E+00	0.00E+00	420301.3	3740905	0.000698	0	0.000698	6.82991E-05
3692	420291.51	3740904	2.77E-04	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	6.90E-04	0.00E+00	0.00E+00	3.48E-05	6.76E-05	0.00E+00	0.00E+00	420291.5	3740904	0.00069	0	0.00069	6.75667E-05
3693	420281.72	3740903	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00	420281.7	3740903	0.000682	0	0.000682	6.68166E-05
3694	420271.93	3740901	2.71E-04	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.75E-04	0.00E+00	0.00E+00	3.40E-05	6.61E-05	0.00E+00	0.00E+00	420271.9	3740901	0.000675	0	0.000675	6.60529E-05
3695	420262.14	3740900	2.67E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.67E-04	0.00E+00	0.00E+00	3.36E-05	6.53E-05	0.00E+00	0.00E+00	420262.1	3740900	0.000667	0	0.000667	6.52695E-05
3696	420252.34	3740899	2.64E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.59E-04	0.00E+00	0.00E+00	3.32E-05	6.45E-05	0.00E+00	0.00E+00	420252.3	3740899	0.000659	0	0.000659	6.44793E-05
3697	420222.97	3740895	2.55E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.35E-04	0.00E+00	0.00E+00	3.20E-05	6.22E-05	0.00E+00	0.00E+00	420223	3740895	0.000635	0	0.000635	6.219E-05
3698	420213.18	3740893	2.52E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.27E-04	0.00E+00	0.00E+00	3.17E-05	6.14E-05	0.00E+00	0.00E+00	420213.2	3740893	0.000627	0	0.000627	6.14429E-05
3699	420203.38	3740892	2.49E-04	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.20E-04	0.00E+00	0.00E+00	3.13E-05	6.07E-05	0.00E+00	0.00E+00	420203.4	3740892	0.00062	0	0.00062	6.06869E-05
3700	420193.59	3740891	2.46E-04	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.12E-04	0.00E+00	0.00E+00	3.09E-05	5.99E-05	0.00E+00	0.00E+00	420193.6	3740891	0.000612	0	0.000612	5.99232E-05
3701	420183.8	3740889	2.42E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	6.04E-04	0.00E+00	0.00E+00	3.05E-05	5.92E-05	0.00E+00	0.00E+00	420183.8	3740889	0.000604	0	0.000604	5.91692E-05
3702	420174.01	3740888	2.39E-04	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	5.97E-04	0.00E+00	0.00E+00	3.01E-05	5.84E-05	0.00E+00	0.00E+00	420174	3740888	0.000597	0	0.000597	5.84142E-05
3703	420164.22	3740887	2.36E-04	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.89E-04	0.00E+00	0.00E+00	2.97E-05	5.76E-05	0.00E+00	0.00E+00	420164.2	3740887	0.000589	0	0.000589	5.76495E-05
3704	420154.43	3740885	2.33E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.81E-04	0.00E+00	0.00E+00	2.93E-05	5.69E-05	0.00E+00	0.00E+00	420154.4	3740885	0.000581	0	0.000581	5.69034E-05
3705	420144.63	3740884	2.30E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.74E-04	0.00E+00	0.00E+00	2.89E-05	5.62E-05	0.00E+00	0.00E+00	420144.6	3740884	0.000574	0	0.000574	5.61631E-05
3706	420134.84	3740883	2.27E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.66E-04	0.00E+00	0.00E+00	2.86E-05	5.54E-05	0.00E+00	0.00E+00	420134.8	3740883	0.000566	0	0.000566	5.5415E-05
3707	420125.05	3740881	2.24E-04	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.58E-04	0.00E+00	0.00E+00	2.82E-05	5.47E-05	0.00E+00	0.00E+00	420125.1	3740881	0.000558	0	0.000558	5.46806E-05
3708	420115.26	3740880	2.21E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.51E-04	0.00E+00	0.00E+00	2.78E-05	5.40E-05	0.00E+00	0.00E+00	420115.3	3740880	0.000551	0	0.000551	5.3958E-05
3709	420105.47	3740879	2.18E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.44E-04	0.00E+00	0.00E+00	2.74E-05	5.32E-05	0.00E+00	0.00E+00	420105.5	3740879	0.000544	0	0.000544	5.32481E-05
3710	420095.67	3740877	2.15E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00	420095.7	3740877	0.000537	0	0.000537	5.25568E-05
3711	420085.88	3740876	2.13E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.30E-04	0.00E+00	0.00E+00	2.67E-05	5.19E-05	0.00E+00	0.00E+00	420085.9	3740876	0.00053	0	0.00053	5.18919E-05
3712	420076.09	3740875	2.10E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.23E-04	0.00E+00	0.00E+00	2.64E-05	5.12E-05	0.00E+00	0.00E+00	420076.1	3740875	0.000523	0	0.000523	5.12495E-05
3713	420066.3	3740873	2.07E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.17E-04	0.00E+00	0.00E+00	2.61E-05	5.06E-05	0.00E+00	0.00E+00	420066.3	3740873	0.000517	0	0.000517	5.06258E-05
3714	420056.51	3740872	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.00E-05	0.00E+00	0.00E+00	420056.5	3740872	0.000511	0	0.000511	5.00363E-05
3715	420046.72	3740871	2.03E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.05E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00	420046.7	3740871	0.000505	0	0.000505	4.94821E-05
3716	420036.92	3740869	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.89E-05	0.00E+00	0.00E+00	420036.9	3740869	0.0005	0	0.0005	4.89445E-05
3717	420027.13	3740868	1.98E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.95E-04	0.00E+00	0.00E+00	2.50E-05	4.84E-05	0.00E+00	0.00E+00	420027.1	3740868	0.000495	0	0.000495	4.84217E-05
3718	420017.34	3740867	1.96E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.89E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00	420017.3	3740867	0.000489	0	0.000489	4.79007E-05
3719	420007.55	3740865	1.94E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.84E-04	0.00E+00	0.00E+00	2.44E-05	4.74E-05	0.00E+00	0.00E+00	420007.6	3740865	0.000484	0	0.000484	4.73965E-05
3720	419997.76	3740864	1.92E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.79E-04	0.00E+00	0.00E+00	2.42E-05	4.69E-05	0.00E+00	0.00E+00	419997.8	3740864	0.000479	0	0.000479	4.69147E-05
3721	419987.96	3740863	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.65E-05	0.00E+00	0.00E+00	419988	3740863	0.000474	0	0.000474	4.64545E-05
3722	419978.17	3740861	1.89E-04	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.70E-04	0.00E+00	0.00E+00	2.37E-05	4.60E-05	0.00E+00	0.00E+00	419978.2	3740861	0.00047	0	0.00047	4.6007E-05
3723	419968.38	3740860	1.87E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.65E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00	419968.4	3740860	0.000465	0	0.000465	4.55732E-05
3724	419958.59	3740859	1.85E-04	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.61E-04	0.00E+00	0.00E+00	2.33E-05	4.52E-05	0.00E+00	0.00E+00	419958.6	3740859	0.000461	0	0.000461	4.51541E-05
3725	419948.8	3740857	1.83E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.57E-04	0.00E+00	0.00E+00	2.31E-05	4.47E-05	0.00E+00	0.00E+00	419948.8	3740857	0.000457	0	0.000457	4.47429E-05
3726	419939.01	3740856	1.82E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.53E-04	0.00E+00	0.00E+00	2.29E-05	4.43E-05	0.00E+00	0.00E+00	419939	3740856	0.000453	0	0.000453	4.43414E-05
3727	419929.21	3740855	1.80E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.49E-04	0.00E+00	0.00E+00	2.26E-05	4.40E-05	0.00E+00	0.00E+00	419929.2	3740855	0.000449	0	0.000449	4.39517E-05
3728	419919.42	3740853	1.78E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.45E-04	0.00E+00	0.00E+00	2.24E-05	4.35E-05	0.00E+00	0.00E+00	419919.4	3740853	0.000445	0	0.000445	4.35492E-05
3729	419909.63	3740852	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.22E-05	4.31E-05	0.00E+00	0.00E+00	419909.6	3740852	0.000441	0	0.000441	4.31439E-05
3730	419899.84	3740851	1.75E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.37E-04	0.00E+00	0.00E+00	2.20E-05	4.27E-05	0.00E+00	0.00E+00	419899.8	3740851	0.000437	0	0.000437	4.27453E-05
3731	419890.05	3740849	1.74E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.32E-04	0.00E+00	0.00E+00	2.18E-05	4.23E-05	0.00E+00	0.00E+00	419890.1	3740849	0.000432	0	0.000432	4.23439E-05
3732	419880.26	3740848	1.72E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.28E-04	0.00E+00	0.00E+00	2.16E-05	4.19E-05	0.00E+00	0.00E+00	419880.3	3740848	0.000428	0	0.000428	4.19473E-05
3733	419870.46	3740847	1.70E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.25E-04	0.00E+00	0.00E+00	2.14E-05	4.16E-05	0.00E+00	0.00E+00	419870.5	3740847	0.000425	0	0.000425	4.15948E-05
3734	419860.67	3740845	1.69E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.21E-04	0.00E+00	0.00E+00	2.13E-05	4.12E-05	0.00E+00	0.00E+00	419860.7	3740845	0.000421	0	0.000421	4.12462E-05
3735	419850.88	3740844	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00	419850.9	3740844	0.000418	0	0.000418	4.09035E-05
3736	419841.09	3740843	1.66E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.15E-04	0.00E+00	0.00E+00	2.09E-05	4.06E-05	0.00E+00	0.00E+00	419841.1	3740843	0.000415	0	0.000415	4.0597E-05
3737	419831.3	3740841	1.65E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.12E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00	419831.3	3740841	0.000412	0	0.000412	4.02974E-05
3738	419821.5	3740840	1.64E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.09E-04	0.00E+00	0.00E+00	2.06E-05	4.00E-05	0.00E+00	0.00E+00	419821.5	3740840	0.000409	0	0.000409	4.00017E-05
3739	419811.71	3740839	1.63E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.05E-04	0.00E+00	0.00E+00	2.05E-05	3.97E-05	0.00E+00	0.00E+00	419811.7	3740839	0.000405	0	0.000405	3.9704E-05
3740	419801.92	3740837	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00	419801.9	3740837	0.000402	0	0.000402	3.94053E-05
3741	419792.13	3740836	1.60E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.99E-04	0.00E+00	0.00E+00	2.02E-05	3.91E-05	0.00E+00	0.00E+00	419792.1	3740836	0.000399	0	0.000399	3.91077E-05
3742	419577.34	3740791	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00	419577.3	3740791	0.000347	0	0.000347	3.39718E-05
3743	419572.75	3740782	1.41E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.50E-04	0.00E+00	0.00E+00	1.77E-05	3.43E-05	0.00E+00	0.00E+00	419572.8	3740782	0.00035	0	0.00035	3.42979E-05
3744	419568.17	3740773	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.78E-05	3.46E-05	0.00E+00	0.00E+00	419568.2	3740773	0.000354	0	0.000354	3.46259E-05
3745	419563.59	3740764	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.50E-05	0.00E+00	0.00E+00	419563.6	3740764	0.000357	0	0.000357	3.49598E-05
3746	419559.01	3740755	1.45E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.61E-04	0.00E+00	0.00E+00	1.82E-05	3.53E-05	0.00E+00	0.00E+00	419559	3740755	0.000361	0	0.000361	3.53035E-05
3747	419554.42	3740747	1.46E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.64E-04	0.00E+00	0.00E+00	1.84E-05	3.57E-05	0.00E+00	0.00E+00	419554.4	3740747	0.000364	0	0.000364	3.5658E-05
3748	419549.84	3740738	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.60E-05	0.00E+00	0.00E+00	419549.8	3740738	0.000368	0	0.000368	3.60144E-05
3749	419545.26	3740729	1.49E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.72E-04	0.00E+00	0.00E+00	1.87E-05

3819	420415.71	3740889	3.32E-04	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	8.27E-04	0.00E+00	0.00E+00	4.17E-05	8.10E-05	0.00E+00	0.00E+00	420415.7	3740889	0.000827	0	0.000827	8.1005E-05
3820	420425.06	3740885	3.37E-04	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	8.40E-04	0.00E+00	0.00E+00	4.24E-05	8.22E-05	0.00E+00	0.00E+00	420425.1	3740885	0.00084	0	0.00084	8.22349E-05
3821	420434.41	3740882	3.42E-04	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	8.52E-04	0.00E+00	0.00E+00	4.30E-05	8.34E-05	0.00E+00	0.00E+00	420434.4	3740882	0.000852	0	0.000852	8.34344E-05
3822	420443.76	3740879	3.47E-04	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	8.64E-04	0.00E+00	0.00E+00	4.36E-05	8.46E-05	0.00E+00	0.00E+00	420443.8	3740879	0.000864	0	0.000864	8.46055E-05
3823	420453.1	3740875	3.51E-04	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.76E-04	0.00E+00	0.00E+00	4.42E-05	8.58E-05	0.00E+00	0.00E+00	420453.1	3740875	0.000876	0	0.000876	8.5757E-05
3824	420462.45	3740872	3.56E-04	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	8.87E-04	0.00E+00	0.00E+00	4.48E-05	8.69E-05	0.00E+00	0.00E+00	420462.5	3740872	0.000887	0	0.000887	8.6887E-05
3825	420471.8	3740869	3.60E-04	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.98E-04	0.00E+00	0.00E+00	4.53E-05	8.80E-05	0.00E+00	0.00E+00	420471.8	3740869	0.000898	0	0.000898	8.79788E-05
3826	420481.15	3740866	3.65E-04	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	9.09E-04	0.00E+00	0.00E+00	4.59E-05	8.90E-05	0.00E+00	0.00E+00	420481.2	3740866	0.000909	0	0.000909	8.90304E-05
3827	420490.5	3740862	3.69E-04	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	9.20E-04	0.00E+00	0.00E+00	4.64E-05	9.00E-05	0.00E+00	0.00E+00	420490.5	3740862	0.00092	0	0.00092	9.00419E-05
3828	420353.89	3740948	2.72E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.77E-04	0.00E+00	0.00E+00	3.42E-05	6.63E-05	0.00E+00	0.00E+00	420353.9	3740948	0.000677	0	0.000677	6.62771E-05
3829	420344.14	3740947	2.69E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.71E-04	0.00E+00	0.00E+00	3.38E-05	6.57E-05	0.00E+00	0.00E+00	420344.1	3740947	0.000671	0	0.000671	6.56827E-05
3830	420334.38	3740946	2.67E-04	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.65E-04	0.00E+00	0.00E+00	3.35E-05	6.51E-05	0.00E+00	0.00E+00	420334.4	3740946	0.000665	0	0.000665	6.50747E-05
3831	420324.62	3740944	2.64E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.58E-04	0.00E+00	0.00E+00	3.32E-05	6.44E-05	0.00E+00	0.00E+00	420324.6	3740944	0.000658	0	0.000658	6.44499E-05
3832	420314.86	3740943	2.62E-04	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	6.52E-04	0.00E+00	0.00E+00	3.29E-05	6.38E-05	0.00E+00	0.00E+00	420314.9	3740943	0.000652	0	0.000652	6.38291E-05
3833	420305.11	3740942	2.59E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.45E-04	0.00E+00	0.00E+00	3.26E-05	6.32E-05	0.00E+00	0.00E+00	420305.1	3740942	0.000645	0	0.000645	6.31878E-05
3834	420295.35	3740940	2.56E-04	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.39E-04	0.00E+00	0.00E+00	3.22E-05	6.25E-05	0.00E+00	0.00E+00	420295.4	3740940	0.000639	0	0.000639	6.25347E-05
3835	420285.59	3740939	2.54E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.32E-04	0.00E+00	0.00E+00	3.19E-05	6.19E-05	0.00E+00	0.00E+00	420285.6	3740939	0.000632	0	0.000632	6.18717E-05
3836	420275.83	3740938	2.51E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.25E-04	0.00E+00	0.00E+00	3.15E-05	6.12E-05	0.00E+00	0.00E+00	420275.8	3740938	0.000625	0	0.000625	6.11893E-05
3837	420266.08	3740936	2.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.18E-04	0.00E+00	0.00E+00	3.12E-05	6.05E-05	0.00E+00	0.00E+00	420266.1	3740936	0.000618	0	0.000618	6.05087E-05
3838	420256.32	3740935	2.45E-04	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	6.11E-04	0.00E+00	0.00E+00	3.08E-05	5.98E-05	0.00E+00	0.00E+00	420256.3	3740935	0.000611	0	0.000611	5.98106E-05
3839	420217.29	3740930	2.34E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	5.83E-04	0.00E+00	0.00E+00	2.94E-05	5.71E-05	0.00E+00	0.00E+00	420217.3	3740930	0.000583	0	0.000583	5.70806E-05
3840	420207.53	3740928	2.31E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.76E-04	0.00E+00	0.00E+00	2.91E-05	5.64E-05	0.00E+00	0.00E+00	420207.5	3740928	0.000576	0	0.000576	5.64099E-05
3841	420197.77	3740927	2.28E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.69E-04	0.00E+00	0.00E+00	2.87E-05	5.57E-05	0.00E+00	0.00E+00	420197.8	3740927	0.000569	0	0.000569	5.57372E-05
3842	420188.01	3740926	2.26E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.62E-04	0.00E+00	0.00E+00	2.84E-05	5.50E-05	0.00E+00	0.00E+00	420188	3740926	0.000562	0	0.000562	5.50488E-05
3843	420178.26	3740924	2.23E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.55E-04	0.00E+00	0.00E+00	2.80E-05	5.43E-05	0.00E+00	0.00E+00	420178.3	3740924	0.000555	0	0.000555	5.43487E-05
3844	420168.5	3740923	2.20E-04	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.48E-04	0.00E+00	0.00E+00	2.77E-05	5.37E-05	0.00E+00	0.00E+00	420168.5	3740923	0.000548	0	0.000548	5.3674E-05
3845	420158.74	3740922	2.17E-04	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.41E-04	0.00E+00	0.00E+00	2.73E-05	5.30E-05	0.00E+00	0.00E+00	420158.7	3740922	0.000541	0	0.000541	5.30131E-05
3846	420148.98	3740920	2.15E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.35E-04	0.00E+00	0.00E+00	2.70E-05	5.24E-05	0.00E+00	0.00E+00	420149	3740920	0.000535	0	0.000535	5.23541E-05
3847	420139.23	3740919	2.12E-04	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.28E-04	0.00E+00	0.00E+00	2.66E-05	5.17E-05	0.00E+00	0.00E+00	420139.2	3740919	0.000528	0	0.000528	5.17049E-05
3848	420129.47	3740918	2.09E-04	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.21E-04	0.00E+00	0.00E+00	2.63E-05	5.11E-05	0.00E+00	0.00E+00	420129.5	3740918	0.000521	0	0.000521	5.10508E-05
3849	420119.71	3740916	2.07E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.15E-04	0.00E+00	0.00E+00	2.60E-05	5.04E-05	0.00E+00	0.00E+00	420119.7	3740916	0.000515	0	0.000515	5.04016E-05
3850	420109.95	3740915	2.04E-04	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.08E-04	0.00E+00	0.00E+00	2.56E-05	4.98E-05	0.00E+00	0.00E+00	420110	3740915	0.000508	0	0.000508	4.9771E-05
3851	420100.19	3740914	2.01E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.02E-04	0.00E+00	0.00E+00	2.53E-05	4.91E-05	0.00E+00	0.00E+00	420100.2	3740914	0.000502	0	0.000502	4.91482E-05
3852	420090.44	3740913	1.99E-04	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.96E-04	0.00E+00	0.00E+00	2.50E-05	4.85E-05	0.00E+00	0.00E+00	420090.4	3740913	0.000496	0	0.000496	4.85362E-05
3853	420080.68	3740911	1.97E-04	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.90E-04	0.00E+00	0.00E+00	2.47E-05	4.80E-05	0.00E+00	0.00E+00	420080.7	3740911	0.00049	0	0.00049	4.79585E-05
3854	420070.92	3740910	1.94E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.84E-04	0.00E+00	0.00E+00	2.44E-05	4.74E-05	0.00E+00	0.00E+00	420070.9	3740910	0.000484	0	0.000484	4.73906E-05
3855	420061.16	3740909	1.92E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.78E-04	0.00E+00	0.00E+00	2.41E-05	4.68E-05	0.00E+00	0.00E+00	420061.2	3740909	0.000478	0	0.000478	4.68422E-05
3856	420051.41	3740907	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00	420051.4	3740907	0.000473	0	0.000473	4.63389E-05
3857	420041.65	3740906	1.88E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.68E-04	0.00E+00	0.00E+00	2.36E-05	4.59E-05	0.00E+00	0.00E+00	420041.7	3740906	0.000468	0	0.000468	4.58503E-05
3858	420031.89	3740905	1.86E-04	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.63E-04	0.00E+00	0.00E+00	2.34E-05	4.54E-05	0.00E+00	0.00E+00	420031.9	3740905	0.000463	0	0.000463	4.53813E-05
3859	420022.13	3740903	1.84E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.59E-04	0.00E+00	0.00E+00	2.31E-05	4.49E-05	0.00E+00	0.00E+00	420022.1	3740903	0.000459	0	0.000459	4.49181E-05
3860	420012.38	3740902	1.82E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.54E-04	0.00E+00	0.00E+00	2.29E-05	4.45E-05	0.00E+00	0.00E+00	420012.4	3740902	0.000454	0	0.000454	4.44687E-05
3861	420002.62	3740901	1.80E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.50E-04	0.00E+00	0.00E+00	2.27E-05	4.40E-05	0.00E+00	0.00E+00	420002.6	3740901	0.00045	0	0.00045	4.40339E-05
3862	419992.86	3740899	1.79E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.45E-04	0.00E+00	0.00E+00	2.25E-05	4.36E-05	0.00E+00	0.00E+00	419992.9	3740899	0.000445	0	0.000445	4.3608E-05
3863	419983.1	3740898	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.23E-05	4.32E-05	0.00E+00	0.00E+00	419983.1	3740898	0.000441	0	0.000441	4.31987E-05
3864	419973.34	3740897	1.75E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.37E-04	0.00E+00	0.00E+00	2.21E-05	4.28E-05	0.00E+00	0.00E+00	419973.3	3740897	0.000437	0	0.000437	4.28041E-05
3865	419963.59	3740895	1.74E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.33E-04	0.00E+00	0.00E+00	2.19E-05	4.24E-05	0.00E+00	0.00E+00	419963.6	3740895	0.000433	0	0.000433	4.24193E-05
3866	419953.83	3740894	1.72E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.29E-04	0.00E+00	0.00E+00	2.17E-05	4.20E-05	0.00E+00	0.00E+00	419953.8	3740894	0.000429	0	0.000429	4.20472E-05
3867	419944.07	3740893	1.71E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.26E-04	0.00E+00	0.00E+00	2.15E-05	4.17E-05	0.00E+00	0.00E+00	419944.1	3740893	0.000426	0	0.000426	4.16859E-05
3868	419934.31	3740891	1.69E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.22E-04	0.00E+00	0.00E+00	2.13E-05	4.13E-05	0.00E+00	0.00E+00	419934.3	3740891	0.000422	0	0.000422	4.13294E-05
3869	419924.56	3740890	1.68E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.19E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00	419924.6	3740890	0.000419	0	0.000419	4.09789E-05
3870	419914.8	3740889	1.66E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.15E-04	0.00E+00	0.00E+00	2.09E-05	4.06E-05	0.00E+00	0.00E+00	419914.8	3740889	0.000415	0	0.000415	4.06215E-05
3871	419905.04	3740887	1.65E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.11E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00	419905	3740887	0.000411	0	0.000411	4.0267E-05
3872	419895.28	3740886	1.64E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.08E-04	0.00E+00	0.00E+00	2.06E-05	3.99E-05	0.00E+00	0.00E+00	419895.3	3740886	0.000408	0	0.000408	3.99223E-05
3873	419885.53	3740885	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00	419885.5	3740885	0.000404	0	0.000404	3.95845E-05
3874	419875.77	3740883	1.61E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.01E-04	0.00E+00	0.00E+00	2.02E-05	3.93E-05	0.00E+00	0.00E+00	419875.8	3740883	0.000401	0	0.000401	3.92555E-05
3875	419866.01	3740882	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.89E-05	0.00E+00	0.00E+00	419866	3740882	0.000398	0	0.000398	3.89412E-05
3876	419856.25	3740881	1.58E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.95E-04	0.00E+00	0.00E+00	1.99E-05	3.86E-05	0.00E+00	0.00E+00	419856.3	3740881	0.000395	0	0.000395	3.86328E-05
3877	419846.49	3740879	1.57E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.91E-04	0.00E+00	0.00E+00	1.98E-05	3.83E-05	0.00E+00	0.00E+00	419846.5	3740879	0.000391	0	0.000391	3.83331E-05
3878	419787.95	3740871	1.50E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.74E-04	0.00E+00	0.00E+00	1.89E-05	3.66E-05	0.00E+00	0.00E+00	419788	3740871	0.000374	0	0.000374	3.66333E-05
3879	419778.19	3740870	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00	419778.2	3740870	0.000371	0	0.000371	3.63375E-05
3880	419729.4	3740863	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00	419729.4	3740863	0.000357	0	0.000357	3.49158E-05
3881	419719.64	3740862	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00	419719.6	3740862	0.000354	0	0.000354	3.46749E-05
3882	419709.89	3740861	1.41E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.52E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00	419709.9	3740861	0.000352	0	0.000352	3.44379E-05
3883	419700.13	3740859	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00	419700.1	3740859	0.000349	0	0.000349	3.42E-05
3884	419690.37	3740858	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00	419690.4	3740858	0.000347	0	0.000347	3.39562E-05
3885	419680.61	3740857	1.38E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.44E-04	0.00E+00	0.00E+00	1.74E-05	3.37E-05	0.00E+00	0.00E+00	419680.6	3740857	0.000344	0	0.000344	3.37114E-05
3886	419670.86	3740855	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.72E-05	3.35E-05	0.00E+00	0.00E+00	419670.9	3740855	0.000342	0	0.000342	3.34695E-05
3887	419661.1	3740854	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00	419661.1	3740854	0.000339	0	0.000339	3.32179E-05
3888	419651.34	3740853	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00	419651.3	3740853	0.000337	0	0.000337	3.29662E-05
3889	419641.58	3740851	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.69E-05	3.27E-05	0.00E+00	0.00E+00	419641.6	3740851	0.000334	0	0.000334	3.27155E-05
3890	419631.82	3740850	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.67E-05	3.25E-05	0.00E+00	0.00E+00	419631.8	3740850	0.000332	0	0.000332	3.24796E-05
3891	419622.07	3740849	1.32E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.29E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00	419622.1	3740849	0.000329	0	0.000329	3.22524E-05
3892	419612.31	3740847	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00	419612.3	3740847	0.000327	0	0.000327	3.20311E-05
3893	419602.55	3740846	1.30E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.25E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00	419602.6	3740846	0.000325	0	0.000325	3.18088E-05
3894	419592.79	3740845	1.29E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00	419592.8	3740845	0.000323	0	0.000323	3.15924E-05
3895	419583.04	3740843	1.29E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.20E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00	419583	3740843	0.00032	0	0.00032	3.1377E-05
3896	419573.28	3740842	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-

3966	419207.35	3740160	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00	419207.4	3740160	0.000306	0	0.000306	2.99993E-05
3967	419202.78	3740151	1.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00	419202.8	3740151	0.000303	0	0.000303	2.9634E-05
3968	419198.22	3740143	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00	419198.2	3740143	0.000299	0	0.000299	2.92678E-05
3969	419193.65	3740134	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.89E-05	0.00E+00	0.00E+00	419193.7	3740134	0.000295	0	0.000295	2.89134E-05
3970	420363.65	3740950	2.74E-04	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.83E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00	420363.7	3740950	0.000683	0	0.000683	6.6846E-05
3971	420373	3740946	2.79E-04	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	6.95E-04	0.00E+00	0.00E+00	3.51E-05	6.81E-05	0.00E+00	0.00E+00	420373	3740946	0.000695	0	0.000695	6.80798E-05
3972	420382.35	3740943	2.84E-04	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.08E-04	0.00E+00	0.00E+00	3.57E-05	6.93E-05	0.00E+00	0.00E+00	420382.4	3740943	0.000708	0	0.000708	6.93038E-05
3973	420391.7	3740940	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00	420391.7	3740940	0.00072	0	0.00072	7.05228E-05
3974	420401.05	3740936	2.94E-04	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.32E-04	0.00E+00	0.00E+00	3.70E-05	7.17E-05	0.00E+00	0.00E+00	420401.1	3740936	0.000732	0	0.000732	7.17047E-05
3975	420410.4	3740933	2.99E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.44E-04	0.00E+00	0.00E+00	3.76E-05	7.29E-05	0.00E+00	0.00E+00	420410.4	3740933	0.000744	0	0.000744	7.28739E-05
3976	420419.75	3740930	3.03E-04	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	7.56E-04	0.00E+00	0.00E+00	3.82E-05	7.40E-05	0.00E+00	0.00E+00	420419.8	3740930	0.000756	0	0.000756	7.40313E-05
3977	420429.1	3740926	3.08E-04	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	7.67E-04	0.00E+00	0.00E+00	3.87E-05	7.51E-05	0.00E+00	0.00E+00	420429.1	3740926	0.000767	0	0.000767	7.5125E-05
3978	420438.45	3740923	3.12E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	7.78E-04	0.00E+00	0.00E+00	3.93E-05	7.62E-05	0.00E+00	0.00E+00	420438.5	3740923	0.000778	0	0.000778	7.62021E-05
3979	420447.8	3740920	3.16E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.89E-04	0.00E+00	0.00E+00	3.98E-05	7.72E-05	0.00E+00	0.00E+00	420447.8	3740920	0.000789	0	0.000789	7.7242E-05
3980	420457.15	3740916	3.21E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.00E-04	0.00E+00	0.00E+00	4.04E-05	7.83E-05	0.00E+00	0.00E+00	420457.2	3740916	0.0008	0	0.0008	7.83054E-05
3981	420466.49	3740913	3.25E-04	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	8.11E-04	0.00E+00	0.00E+00	4.09E-05	7.94E-05	0.00E+00	0.00E+00	420466.5	3740913	0.000811	0	0.000811	7.93668E-05
3982	420475.84	3740910	3.29E-04	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	8.21E-04	0.00E+00	0.00E+00	4.14E-05	8.04E-05	0.00E+00	0.00E+00	420475.8	3740910	0.000821	0	0.000821	8.04018E-05
3983	420485.19	3740907	3.33E-04	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	8.31E-04	0.00E+00	0.00E+00	4.19E-05	8.14E-05	0.00E+00	0.00E+00	420485.2	3740907	0.000831	0	0.000831	8.13869E-05
3984	420494.54	3740903	3.37E-04	8.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	8.41E-04	0.00E+00	0.00E+00	4.24E-05	8.23E-05	0.00E+00	0.00E+00	420494.5	3740903	0.000841	0	0.000841	8.2325E-05
3985	420503.89	3740900	3.41E-04	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	8.50E-04	0.00E+00	0.00E+00	4.29E-05	8.32E-05	0.00E+00	0.00E+00	420503.9	3740900	0.00085	0	0.00085	8.32317E-05
3986	420367.32	3740986	2.54E-04	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.32E-04	0.00E+00	0.00E+00	3.19E-05	6.19E-05	0.00E+00	0.00E+00	420367.3	3740986	0.000632	0	0.000632	6.18982E-05
3987	420357.59	3740985	2.51E-04	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.27E-04	0.00E+00	0.00E+00	3.16E-05	6.14E-05	0.00E+00	0.00E+00	420357.6	3740985	0.000627	0	0.000627	6.13684E-05
3988	420347.86	3740983	2.49E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.21E-04	0.00E+00	0.00E+00	3.14E-05	6.08E-05	0.00E+00	0.00E+00	420347.9	3740983	0.000621	0	0.000621	6.08348E-05
3989	420338.14	3740982	2.47E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.16E-04	0.00E+00	0.00E+00	3.11E-05	6.03E-05	0.00E+00	0.00E+00	420338.1	3740982	0.000616	0	0.000616	6.02727E-05
3990	420328.41	3740981	2.45E-04	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	6.10E-04	0.00E+00	0.00E+00	3.08E-05	5.97E-05	0.00E+00	0.00E+00	420328.4	3740981	0.00061	0	0.00061	5.97107E-05
3991	420318.68	3740979	2.42E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	6.04E-04	0.00E+00	0.00E+00	3.05E-05	5.91E-05	0.00E+00	0.00E+00	420318.7	3740979	0.000604	0	0.000604	5.91428E-05
3992	420308.96	3740978	2.40E-04	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.98E-04	0.00E+00	0.00E+00	3.02E-05	5.86E-05	0.00E+00	0.00E+00	420309	3740978	0.000598	0	0.000598	5.85729E-05
3993	420299.23	3740977	2.38E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.92E-04	0.00E+00	0.00E+00	2.99E-05	5.80E-05	0.00E+00	0.00E+00	420299.2	3740977	0.000592	0	0.000592	5.79883E-05
3994	420289.5	3740975	2.35E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.74E-05	0.00E+00	0.00E+00	420289.5	3740975	0.000587	0	0.000587	5.7439E-05
3995	420279.77	3740974	2.33E-04	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.81E-04	0.00E+00	0.00E+00	2.93E-05	5.69E-05	0.00E+00	0.00E+00	420279.8	3740974	0.000581	0	0.000581	5.68691E-05
3996	420270.05	3740973	2.31E-04	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.75E-04	0.00E+00	0.00E+00	2.90E-05	5.63E-05	0.00E+00	0.00E+00	420270.1	3740973	0.000575	0	0.000575	5.62933E-05
3997	420260.32	3740972	2.28E-04	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.69E-04	0.00E+00	0.00E+00	2.87E-05	5.57E-05	0.00E+00	0.00E+00	420260.3	3740972	0.000569	0	0.000569	5.56725E-05
3998	420221.41	3740966	2.18E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.43E-04	0.00E+00	0.00E+00	2.74E-05	5.32E-05	0.00E+00	0.00E+00	420221.4	3740966	0.000543	0	0.000543	5.31952E-05
3999	420211.69	3740965	2.15E-04	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.37E-04	0.00E+00	0.00E+00	2.71E-05	5.26E-05	0.00E+00	0.00E+00	420211.7	3740965	0.000537	0	0.000537	5.25773E-05
4000	420201.96	3740964	2.13E-04	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.31E-04	0.00E+00	0.00E+00	2.68E-05	5.20E-05	0.00E+00	0.00E+00	420202	3740964	0.000531	0	0.000531	5.19741E-05
4001	420192.23	3740962	2.10E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.25E-04	0.00E+00	0.00E+00	2.65E-05	5.14E-05	0.00E+00	0.00E+00	420192.2	3740962	0.000525	0	0.000525	5.13582E-05
4002	420182.51	3740961	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00	420182.5	3740961	0.000518	0	0.000518	5.07355E-05
4003	420172.78	3740960	2.05E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.12E-04	0.00E+00	0.00E+00	2.58E-05	5.01E-05	0.00E+00	0.00E+00	420172.8	3740960	0.000512	0	0.000512	5.01343E-05
4004	420163.05	3740958	2.03E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.06E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00	420163.1	3740958	0.000506	0	0.000506	4.9534E-05
4005	420153.33	3740957	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.89E-05	0.00E+00	0.00E+00	420153.3	3740957	0.0005	0	0.0005	4.89445E-05
4006	420143.6	3740956	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.84E-05	0.00E+00	0.00E+00	420143.6	3740956	0.000494	0	0.000494	4.83619E-05
4007	420133.87	3740954	1.96E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.88E-04	0.00E+00	0.00E+00	2.46E-05	4.78E-05	0.00E+00	0.00E+00	420133.9	3740954	0.000488	0	0.000488	4.77842E-05
4008	420124.15	3740953	1.93E-04	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.82E-04	0.00E+00	0.00E+00	2.43E-05	4.72E-05	0.00E+00	0.00E+00	420124.2	3740953	0.000482	0	0.000482	4.72202E-05
4009	420114.42	3740952	1.91E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.77E-04	0.00E+00	0.00E+00	2.40E-05	4.67E-05	0.00E+00	0.00E+00	420114.4	3740952	0.000477	0	0.000477	4.66621E-05
4010	420104.69	3740950	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.38E-05	4.61E-05	0.00E+00	0.00E+00	420104.7	3740950	0.000471	0	0.000471	4.61049E-05
4011	420094.97	3740949	1.87E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.65E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00	420095	3740949	0.000465	0	0.000465	4.55683E-05
4012	420085.24	3740948	1.85E-04	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.60E-04	0.00E+00	0.00E+00	2.32E-05	4.50E-05	0.00E+00	0.00E+00	420085.2	3740948	0.00046	0	0.00046	4.50464E-05
4013	420075.51	3740946	1.83E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.55E-04	0.00E+00	0.00E+00	2.30E-05	4.45E-05	0.00E+00	0.00E+00	420075.5	3740946	0.000455	0	0.000455	4.45451E-05
4014	420065.79	3740945	1.81E-04	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.50E-04	0.00E+00	0.00E+00	2.27E-05	4.41E-05	0.00E+00	0.00E+00	420065.8	3740945	0.00045	0	0.00045	4.40672E-05
4015	420056.06	3740944	1.79E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.45E-04	0.00E+00	0.00E+00	2.25E-05	4.36E-05	0.00E+00	0.00E+00	420056.1	3740944	0.000445	0	0.000445	4.35933E-05
4016	420046.33	3740942	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.22E-05	4.31E-05	0.00E+00	0.00E+00	420046.3	3740942	0.000441	0	0.000441	4.31468E-05
4017	420036.61	3740941	1.75E-04	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.36E-04	0.00E+00	0.00E+00	2.20E-05	4.27E-05	0.00E+00	0.00E+00	420036.6	3740941	0.000436	0	0.000436	4.2714E-05
4018	420026.88	3740940	1.73E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.32E-04	0.00E+00	0.00E+00	2.18E-05	4.23E-05	0.00E+00	0.00E+00	420026.9	3740940	0.000432	0	0.000432	4.22812E-05
4019	420017.15	3740938	1.72E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.28E-04	0.00E+00	0.00E+00	2.16E-05	4.19E-05	0.00E+00	0.00E+00	420017.2	3740938	0.000428	0	0.000428	4.1869E-05
4020	420007.43	3740937	1.70E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.23E-04	0.00E+00	0.00E+00	2.14E-05	4.15E-05	0.00E+00	0.00E+00	420007.4	3740937	0.000423	0	0.000423	4.14567E-05
4021	419997.7	3740936	1.68E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.19E-04	0.00E+00	0.00E+00	2.12E-05	4.11E-05	0.00E+00	0.00E+00	419997.7	3740936	0.000419	0	0.000419	4.10641E-05
4022	419987.97	3740934	1.67E-04	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.16E-04	0.00E+00	0.00E+00	2.10E-05	4.07E-05	0.00E+00	0.00E+00	419988	3740934	0.000416	0	0.000416	4.0693E-05
4023	419978.25	3740933	1.65E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.12E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00	419978.3	3740933	0.000412	0	0.000412	4.03209E-05
4024	419968.52	3740932	1.64E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.08E-04	0.00E+00	0.00E+00	2.06E-05	4.00E-05	0.00E+00	0.00E+00	419968.5	3740932	0.000408	0	0.000408	3.99703E-05
4025	419958.79	3740930	1.62E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00	419958.8	3740930	0.000405	0	0.000405	3.96237E-05
4026	419949.07	3740929	1.61E-04	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.01E-04	0.00E+00	0.00E+00	2.02E-05	3.93E-05	0.00E+00	0.00E+00	419949.1	3740929	0.000401	0	0.000401	3.92849E-05
4027	419939.34	3740928	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.90E-05	0.00E+00	0.00E+00	419939.3	3740928	0.000398	0	0.000398	3.89578E-05
4028	419929.61	3740926	1.58E-04	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.95E-04	0.00E+00	0.00E+00	1.99E-05	3.86E-05	0.00E+00	0.00E+00	419929.6	3740926	0.000395	0	0.000395	3.86308E-05
4029	419919.88	3740925	1.57E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.91E-04	0.00E+00	0.00E+00	1.97E-05	3.83E-05	0.00E+00	0.00E+00	419919.9	3740925	0.000391	0	0.000391	3.83145E-05
4030	419910.16	3740924	1.56E-04	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.88E-04	0.00E+00	0.00E+00	1.96E-05	3.80E-05	0.00E+00	0.00E+00	419910.2	3740924	0.000388	0	0.000388	3.80051E-05
4031	419900.43	3740923	1.54E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.85E-04	0.00E+00	0.00E+00	1.94E-05	3.77E-05	0.00E+00	0.00E+00	419900.4	3740923	0.000385	0	0.000385	3.76957E-05
4032	419890.7	3740921	1.53E-04	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.82E-04	0.00E+00	0.00E+00	1.93E-05	3.74E-05	0.00E+00	0.00E+00	419890.7	3740921	0.000382	0	0.000382	3.73921E-05
4033	419880.98	3740920	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00	419881	3740920	0.000379	0	0.000379	3.70925E-05
4034	419832.34	3740913	1.46E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.57E-05	0.00E+00	0.00E+00	419832.3	3740913	0.000365	0	0.000365	3.57138E-05
4035	419822.62	3740912	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.83E-05	3.55E-05	0.00E+00	0.00E+00	419822.6	3740912	0.000362	0	0.000362	3.54504E-05
4036	419812.89	3740911	1.44E-04	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.59E-04	0.00E+00	0.00E+00	1.81E-05	3.52E-05	0.00E+00	0.00E+00	419812.9	3740911	0.000359	0	0.000359	3.51958E-05
4037	419803.16	3740909	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00	419803.2	3740909	0.000357	0	0.000357	3.49461E-05
4038	419793.44	3740908	1.42E-04	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	3.54E-04	0.00E+00	0.00E+00	1.79E-05	3.47E-05	0.00E+00	0.00E+00	419793.4	3740908	0.000354	0	0.000354	3.46955E-05
4039	419783.71	3740907	1.41E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.52E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00	419783.7	3740907	0.000352	0	0.000352	3.44418E-05
4040	419773.98	3740905	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00	419774	3740905	0.000349	0	0.000349	3.41804E-05
4041	419764.26	3740904	1.39E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.46E-04	0.00E+00	0.00E+00	1.75E-05	3.39E-05	0.00E+00	0.00E+00	419764.3	3740904	0.000346	0	0.000346	3.39229E-05
4042	419725.35	3740899	1.35E-04	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.36E-04	0.00E+00	0.00E+00	1.70E-05	3.29E-05	0.00E+00	0.00E+00	419725.4	3740899	0.000336	0	0.000336	3.29104E-05
4043	419715.62	3740897	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.68E-05	3.27E-05

4113	419267.43	3740352	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00	419267.4	3740352	0.000367	0	0.000367	3.5942E-05
4114	419262.88	3740343	1.46E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.64E-04	0.00E+00	0.00E+00	1.83E-05	3.56E-05	0.00E+00	0.00E+00	419262.9	3740343	0.000364	0	0.000364	3.55953E-05
4115	419258.33	3740334	1.44E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.60E-04	0.00E+00	0.00E+00	1.82E-05	3.52E-05	0.00E+00	0.00E+00	419258.3	3740334	0.00036	0	0.00036	3.52379E-05
4116	419253.78	3740326	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.80E-05	3.48E-05	0.00E+00	0.00E+00	419253.8	3740326	0.000356	0	0.000356	3.48453E-05
4117	419249.22	3740317	1.41E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.52E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00	419249.2	3740317	0.000352	0	0.000352	3.44438E-05
4118	419244.67	3740308	1.39E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.48E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00	419244.7	3740308	0.000348	0	0.000348	3.40306E-05
4119	419240.12	3740299	1.38E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.43E-04	0.00E+00	0.00E+00	1.73E-05	3.36E-05	0.00E+00	0.00E+00	419240.1	3740299	0.000343	0	0.000343	3.36321E-05
4120	419235.57	3740291	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00	419235.6	3740291	0.000339	0	0.000339	3.32365E-05
4121	419231.02	3740282	1.35E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00	419231	3740282	0.000335	0	0.000335	3.28281E-05
4122	419226.47	3740273	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.67E-05	3.25E-05	0.00E+00	0.00E+00	419226.5	3740273	0.000332	0	0.000332	3.24639E-05
4123	419221.91	3740265	1.32E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.28E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00	419221.9	3740265	0.000328	0	0.000328	3.21075E-05
4124	419217.36	3740256	1.30E-04	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.24E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00	419217.4	3740256	0.000324	0	0.000324	3.1754E-05
4125	419212.81	3740247	1.29E-04	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.21E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00	419212.8	3740247	0.000321	0	0.000321	3.13966E-05
4126	419208.26	3740239	1.27E-04	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.17E-04	0.00E+00	0.00E+00	1.60E-05	3.10E-05	0.00E+00	0.00E+00	419208.3	3740239	0.000317	0	0.000317	3.10362E-05
4127	419203.71	3740230	1.26E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00	419203.7	3740230	0.000313	0	0.000313	3.0672E-05
4128	419199.15	3740221	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00	419199.2	3740221	0.00031	0	0.00031	3.03087E-05
4129	419194.6	3740213	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00	419194.6	3740213	0.000306	0	0.000306	2.99356E-05
4130	419190.05	3740204	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.52E-05	2.96E-05	0.00E+00	0.00E+00	419190.1	3740204	0.000302	0	0.000302	2.95704E-05
4131	419185.5	3740195	1.20E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.98E-04	0.00E+00	0.00E+00	1.51E-05	2.92E-05	0.00E+00	0.00E+00	419185.5	3740195	0.000298	0	0.000298	2.92071E-05
4132	419180.95	3740186	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.89E-05	0.00E+00	0.00E+00	419181	3740186	0.000295	0	0.000295	2.88517E-05
4133	419176.39	3740178	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00	419176.4	3740178	0.000291	0	0.000291	2.85011E-05
4134	419171.84	3740169	1.15E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.88E-04	0.00E+00	0.00E+00	1.45E-05	2.82E-05	0.00E+00	0.00E+00	419171.8	3740169	0.000288	0	0.000288	2.81594E-05
4135	419167.29	3740160	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00	419167.3	3740160	0.000284	0	0.000284	2.78216E-05
4136	419162.74	3740152	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00	419162.7	3740152	0.000281	0	0.000281	2.74955E-05
4137	419158.19	3740143	1.11E-04	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.78E-04	0.00E+00	0.00E+00	1.40E-05	2.72E-05	0.00E+00	0.00E+00	419158.2	3740143	0.000278	0	0.000278	2.71734E-05
4138	419153.64	3740134	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.69E-05	0.00E+00	0.00E+00	419153.6	3740134	0.000274	0	0.000274	2.68688E-05
4139	420377.04	3740987	2.56E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.37E-04	0.00E+00	0.00E+00	3.22E-05	6.24E-05	0.00E+00	0.00E+00	420377	3740987	0.000637	0	0.000637	6.23966E-05
4140	420386.39	3740984	2.60E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.49E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00	420386.4	3740984	0.000649	0	0.000649	6.35099E-05
4141	420395.74	3740981	2.65E-04	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	6.60E-04	0.00E+00	0.00E+00	3.33E-05	6.46E-05	0.00E+00	0.00E+00	420395.7	3740981	0.00066	0	0.00066	6.46027E-05
4142	420405.09	3740977	2.69E-04	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.71E-04	0.00E+00	0.00E+00	3.39E-05	6.57E-05	0.00E+00	0.00E+00	420405.1	3740977	0.000671	0	0.000671	6.56935E-05
4143	420414.44	3740974	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00	420414.4	3740974	0.000682	0	0.000682	6.67853E-05
4144	420423.79	3740971	2.78E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.93E-04	0.00E+00	0.00E+00	3.50E-05	6.78E-05	0.00E+00	0.00E+00	420423.8	3740971	0.000693	0	0.000693	6.78497E-05
4145	420433.14	3740967	2.82E-04	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	7.03E-04	0.00E+00	0.00E+00	3.55E-05	6.89E-05	0.00E+00	0.00E+00	420433.1	3740967	0.000703	0	0.000703	6.88612E-05
4146	420442.49	3740964	2.86E-04	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	7.13E-04	0.00E+00	0.00E+00	3.60E-05	6.98E-05	0.00E+00	0.00E+00	420442.5	3740964	0.000713	0	0.000713	6.98413E-05
4147	420451.84	3740961	2.90E-04	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.23E-04	0.00E+00	0.00E+00	3.65E-05	7.08E-05	0.00E+00	0.00E+00	420451.8	3740961	0.000723	0	0.000723	7.08088E-05
4148	420461.19	3740958	2.94E-04	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	7.33E-04	0.00E+00	0.00E+00	3.70E-05	7.18E-05	0.00E+00	0.00E+00	420461.2	3740958	0.000733	0	0.000733	7.17556E-05
4149	420470.54	3740954	2.98E-04	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.42E-04	0.00E+00	0.00E+00	3.75E-05	7.27E-05	0.00E+00	0.00E+00	420470.5	3740954	0.000742	0	0.000742	7.26859E-05
4150	420479.88	3740951	3.02E-04	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	7.52E-04	0.00E+00	0.00E+00	3.79E-05	7.36E-05	0.00E+00	0.00E+00	420479.9	3740951	0.000752	0	0.000752	7.35936E-05
4151	420489.23	3740948	3.05E-04	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	7.61E-04	0.00E+00	0.00E+00	3.84E-05	7.45E-05	0.00E+00	0.00E+00	420489.2	3740948	0.000761	0	0.000761	7.45101E-05
4152	420498.58	3740944	3.09E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	7.70E-04	0.00E+00	0.00E+00	3.89E-05	7.54E-05	0.00E+00	0.00E+00	420498.6	3740944	0.00077	0	0.00077	7.54002E-05
4153	420507.93	3740941	3.12E-04	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	7.79E-04	0.00E+00	0.00E+00	3.93E-05	7.63E-05	0.00E+00	0.00E+00	420507.9	3740941	0.000779	0	0.000779	7.62569E-05
4154	420517.28	3740938	3.16E-04	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.87E-04	0.00E+00	0.00E+00	3.97E-05	7.71E-05	0.00E+00	0.00E+00	420517.3	3740938	0.000787	0	0.000787	7.70785E-05
4155	420380.62	3741024	2.37E-04	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	5.90E-04	0.00E+00	0.00E+00	2.98E-05	5.78E-05	0.00E+00	0.00E+00	420380.6	3741024	0.00059	0	0.00059	5.78072E-05
4156	420370.82	3741022	2.35E-04	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.85E-04	0.00E+00	0.00E+00	2.95E-05	5.73E-05	0.00E+00	0.00E+00	420370.8	3741022	0.000585	0	0.000585	5.72803E-05
4157	420361.01	3741021	2.32E-04	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.79E-04	0.00E+00	0.00E+00	2.92E-05	5.67E-05	0.00E+00	0.00E+00	420361	3741021	0.000579	0	0.000579	5.6732E-05
4158	420351.2	3741020	2.30E-04	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.74E-04	0.00E+00	0.00E+00	2.90E-05	5.62E-05	0.00E+00	0.00E+00	420351.2	3741020	0.000574	0	0.000574	5.61935E-05
4159	420341.39	3741018	2.28E-04	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	5.68E-04	0.00E+00	0.00E+00	2.87E-05	5.56E-05	0.00E+00	0.00E+00	420341.4	3741018	0.000568	0	0.000568	5.56373E-05
4160	420331.59	3741017	2.26E-04	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.62E-04	0.00E+00	0.00E+00	2.84E-05	5.51E-05	0.00E+00	0.00E+00	420331.6	3741017	0.000562	0	0.000562	5.50635E-05
4161	420321.78	3741016	2.23E-04	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.57E-04	0.00E+00	0.00E+00	2.81E-05	5.45E-05	0.00E+00	0.00E+00	420321.8	3741016	0.000557	0	0.000557	5.44926E-05
4162	420311.97	3741014	2.21E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.51E-04	0.00E+00	0.00E+00	2.78E-05	5.39E-05	0.00E+00	0.00E+00	420312	3741014	0.000551	0	0.000551	5.39159E-05
4163	420302.16	3741013	2.19E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.45E-04	0.00E+00	0.00E+00	2.75E-05	5.33E-05	0.00E+00	0.00E+00	420302.2	3741013	0.000545	0	0.000545	5.33284E-05
4164	420292.36	3741012	2.16E-04	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.40E-04	0.00E+00	0.00E+00	2.72E-05	5.28E-05	0.00E+00	0.00E+00	420292.4	3741012	0.00054	0	0.00054	5.28368E-05
4165	420282.55	3741010	2.17E-04	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.40E-04	0.00E+00	0.00E+00	2.72E-05	5.29E-05	0.00E+00	0.00E+00	420282.6	3741010	0.00054	0	0.00054	5.28525E-05
4166	420272.74	3741009	2.14E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.34E-04	0.00E+00	0.00E+00	2.70E-05	5.23E-05	0.00E+00	0.00E+00	420272.7	3741009	0.000534	0	0.000534	5.23257E-05
4167	420262.93	3741008	2.12E-04	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.29E-04	0.00E+00	0.00E+00	2.67E-05	5.18E-05	0.00E+00	0.00E+00	420262.9	3741008	0.000529	0	0.000529	5.17852E-05
4168	420253.13	3741006	2.10E-04	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.23E-04	0.00E+00	0.00E+00	2.64E-05	5.12E-05	0.00E+00	0.00E+00	420253.1	3741006	0.000523	0	0.000523	5.12143E-05
4169	420243.32	3741005	2.08E-04	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.17E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00	420243.3	3741005	0.000517	0	0.000517	5.06542E-05
4170	420233.51	3741004	2.05E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.12E-04	0.00E+00	0.00E+00	2.58E-05	5.01E-05	0.00E+00	0.00E+00	420233.5	3741004	0.000512	0	0.000512	5.00882E-05
4171	420223.7	3741002	2.03E-04	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.06E-04	0.00E+00	0.00E+00	2.55E-05	4.95E-05	0.00E+00	0.00E+00	420223.7	3741002	0.000506	0	0.000506	4.95242E-05
4172	420213.9	3741001	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.90E-05	0.00E+00	0.00E+00	420213.9	3741001	0.0005	0	0.0005	4.89622E-05
4173	420204.09	3741000	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.84E-05	0.00E+00	0.00E+00	420204.1	3741000	0.000494	0	0.000494	4.83952E-05
4174	420194.28	3740998	1.96E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.89E-04	0.00E+00	0.00E+00	2.47E-05	4.78E-05	0.00E+00	0.00E+00	420194.3	3740998	0.000489	0	0.000489	4.78439E-05
4175	420184.47	3740997	1.94E-04	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.83E-04	0.00E+00	0.00E+00	2.44E-05	4.73E-05	0.00E+00	0.00E+00	420184.5	3740997	0.000483	0	0.000483	4.72897E-05
4176	420174.67	3740996	1.92E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.77E-04	0.00E+00	0.00E+00	2.41E-05	4.67E-05	0.00E+00	0.00E+00	420174.7	3740996	0.000477	0	0.000477	4.67492E-05
4177	420047.17	3740978	1.66E-04	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.13E-04	0.00E+00	0.00E+00	2.09E-05	4.05E-05	0.00E+00	0.00E+00	420047.2	3740978	0.000413	0	0.000413	4.04854E-05
4178	420037.36	3740977	1.64E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.09E-04	0.00E+00	0.00E+00	2.07E-05	4.01E-05	0.00E+00	0.00E+00	420037.4	3740977	0.000409	0	0.000409	4.00849E-05
4179	420027.55	3740976	1.63E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.05E-04	0.00E+00	0.00E+00	2.05E-05	3.97E-05	0.00E+00	0.00E+00	420027.6	3740976	0.000405	0	0.000405	3.96932E-05
4180	420017.75	3740974	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.93E-05	0.00E+00	0.00E+00	420017.8	3740974	0.000402	0	0.000402	3.93162E-05
4181	420007.94	3740973	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.89E-05	0.00E+00	0.00E+00	420007.9	3740973	0.000398	0	0.000398	3.89402E-05
4182	419998.13	3740972	1.58E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.94E-04	0.00E+00	0.00E+00	1.99E-05	3.86E-05	0.00E+00	0.00E+00	419998.1	3740972	0.000394	0	0.000394	3.85848E-05
4183	419988.32	3740970	1.57E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.91E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00	419988.3	3740970	0.000391	0	0.000391	3.82421E-05
4184	419978.52	3740969	1.55E-04	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.87E-04	0.00E+00	0.00E+00	1.95E-05	3.79E-05	0.00E+00	0.00E+00	419978.5	3740969	0.000387	0	0.000387	3.79013E-05
4185	419968.71	3740968	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00	419968.7	3740968	0.000384	0	0.000384	3.75713E-05
4186	419958.9	3740966	1.53E-04	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.80E-04	0.00E+00	0.00E+00	1.92E-05	3.73E-05	0.00E+00	0.00E+00	419958.9	3740966	0.00038	0	0.00038	3.72511E-05
4187	419949.09	3740965	1.51E-04	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.77E-04	0.00E+00	0.00E+00	1.90E-05	3.69E-05	0.00E+00	0.00E+00	419949.1	3740965	0.000377	0	0.000377	3.69358E-05
4188	419939.29	3740964	1.50E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.74E-04	0.00E+00	0.00E+00	1.89E-05	3.66E-05	0.00E+00	0.00E+00	419939.3	3740964	0.000374	0	0.000374	3.66333E-05
4189	419929.48	3740962	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00	419929.5	3740962	0.000371	0	0.000371	3.63307E-05
4190	419919.67	3740961	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.60

4260	419324.8	3740538	1.49E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.70E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00	419324.8	3740538	0.00037	0	0.00037	3.6268E-05
4261	419320.21	3740529	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00	419320.2	3740529	0.000371	0	0.000371	3.63326E-05
4262	419315.62	3740520	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.64E-05	0.00E+00	0.00E+00	419315.6	3740520	0.000371	0	0.000371	3.63689E-05
4263	419311.03	3740512	1.49E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.72E-04	0.00E+00	0.00E+00	1.88E-05	3.64E-05	0.00E+00	0.00E+00	419311	3740512	0.000372	0	0.000372	3.63934E-05
4264	419306.44	3740503	1.49E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.72E-04	0.00E+00	0.00E+00	1.88E-05	3.64E-05	0.00E+00	0.00E+00	419306.4	3740503	0.000372	0	0.000372	3.63934E-05
4265	419301.85	3740494	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.64E-05	0.00E+00	0.00E+00	419301.9	3740494	0.000371	0	0.000371	3.63708E-05
4266	419297.26	3740485	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00	419297.3	3740485	0.000371	0	0.000371	3.63307E-05
4267	419292.67	3740477	1.49E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.70E-04	0.00E+00	0.00E+00	1.87E-05	3.62E-05	0.00E+00	0.00E+00	419292.7	3740477	0.00037	0	0.00037	3.62494E-05
4268	419288.08	3740468	1.48E-04	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.69E-04	0.00E+00	0.00E+00	1.86E-05	3.62E-05	0.00E+00	0.00E+00	419288.1	3740468	0.000369	0	0.000369	3.61574E-05
4269	419283.49	3740459	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.60E-05	0.00E+00	0.00E+00	419283.5	3740459	0.000368	0	0.000368	3.6034E-05
4270	419278.9	3740450	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00	419278.9	3740450	0.000367	0	0.000367	3.58989E-05
4271	419274.31	3740441	1.47E-04	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.65E-04	0.00E+00	0.00E+00	1.84E-05	3.58E-05	0.00E+00	0.00E+00	419274.3	3740441	0.000365	0	0.000365	3.57549E-05
4272	419269.72	3740433	1.46E-04	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	3.63E-04	0.00E+00	0.00E+00	1.83E-05	3.56E-05	0.00E+00	0.00E+00	419269.7	3740433	0.000363	0	0.000363	3.55816E-05
4273	419265.13	3740424	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.82E-05	3.54E-05	0.00E+00	0.00E+00	419265.1	3740424	0.000362	0	0.000362	3.54083E-05
4274	419251.36	3740398	1.43E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.55E-04	0.00E+00	0.00E+00	1.79E-05	3.48E-05	0.00E+00	0.00E+00	419251.4	3740398	0.000355	0	0.000355	3.47855E-05
4275	419246.77	3740389	1.41E-04	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.53E-04	0.00E+00	0.00E+00	1.78E-05	3.45E-05	0.00E+00	0.00E+00	419246.8	3740389	0.000353	0	0.000353	3.45319E-05
4276	419242.18	3740380	1.40E-04	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.50E-04	0.00E+00	0.00E+00	1.77E-05	3.43E-05	0.00E+00	0.00E+00	419242.2	3740380	0.00035	0	0.00035	3.42587E-05
4277	419237.59	3740371	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00	419237.6	3740371	0.000347	0	0.000347	3.3966E-05
4278	419233	3740363	1.38E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.44E-04	0.00E+00	0.00E+00	1.74E-05	3.37E-05	0.00E+00	0.00E+00	419233	3740363	0.000344	0	0.000344	3.3682E-05
4279	419228.42	3740354	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00	419228.4	3740354	0.000341	0	0.000341	3.33687E-05
4280	419223.83	3740345	1.35E-04	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.38E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00	419223.8	3740345	0.000338	0	0.000338	3.30485E-05
4281	419219.24	3740336	1.34E-04	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.34E-04	0.00E+00	0.00E+00	1.68E-05	3.27E-05	0.00E+00	0.00E+00	419219.2	3740336	0.000334	0	0.000334	3.26901E-05
4282	419214.65	3740327	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.67E-05	3.23E-05	0.00E+00	0.00E+00	419214.7	3740327	0.00033	0	0.00033	3.23229E-05
4283	419210.06	3740319	1.31E-04	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.26E-04	0.00E+00	0.00E+00	1.65E-05	3.19E-05	0.00E+00	0.00E+00	419210.1	3740319	0.000326	0	0.000326	3.19361E-05
4284	419205.47	3740310	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.63E-05	3.15E-05	0.00E+00	0.00E+00	419205.5	3740310	0.000322	0	0.000322	3.15337E-05
4285	419200.88	3740301	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00	419200.9	3740301	0.000318	0	0.000318	3.11831E-05
4286	419196.29	3740292	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00	419196.3	3740292	0.000315	0	0.000315	3.08306E-05
4287	419191.7	3740284	1.25E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.11E-04	0.00E+00	0.00E+00	1.57E-05	3.05E-05	0.00E+00	0.00E+00	419191.7	3740284	0.000311	0	0.000311	3.04938E-05
4288	419187.11	3740275	1.24E-04	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.08E-04	0.00E+00	0.00E+00	1.55E-05	3.02E-05	0.00E+00	0.00E+00	419187.1	3740275	0.000308	0	0.000308	3.01608E-05
4289	419182.52	3740266	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00	419182.5	3740266	0.000305	0	0.000305	2.98328E-05
4290	419177.93	3740257	1.21E-04	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.01E-04	0.00E+00	0.00E+00	1.52E-05	2.95E-05	0.00E+00	0.00E+00	419177.9	3740257	0.000301	0	0.000301	2.9494E-05
4291	419173.34	3740249	1.19E-04	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.98E-04	0.00E+00	0.00E+00	1.50E-05	2.92E-05	0.00E+00	0.00E+00	419173.3	3740249	0.000298	0	0.000298	2.91562E-05
4292	419168.75	3740240	1.18E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.94E-04	0.00E+00	0.00E+00	1.49E-05	2.88E-05	0.00E+00	0.00E+00	419168.8	3740240	0.000294	0	0.000294	2.88184E-05
4293	419164.16	3740231	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00	419164.2	3740231	0.000291	0	0.000291	2.84825E-05
4294	419159.57	3740222	1.15E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.87E-04	0.00E+00	0.00E+00	1.45E-05	2.81E-05	0.00E+00	0.00E+00	419159.6	3740222	0.000287	0	0.000287	2.81467E-05
4295	419154.98	3740213	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00	419155	3740213	0.000284	0	0.000284	2.78079E-05
4296	419150.39	3740205	1.13E-04	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.81E-04	0.00E+00	0.00E+00	1.42E-05	2.75E-05	0.00E+00	0.00E+00	419150.4	3740205	0.000281	0	0.000281	2.74691E-05
4297	419145.8	3740196	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00	419145.8	3740196	0.000277	0	0.000277	2.71361E-05
4298	419141.21	3740187	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00	419141.2	3740187	0.000274	0	0.000274	2.68071E-05
4299	419136.62	3740178	1.09E-04	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	2.71E-04	0.00E+00	0.00E+00	1.36E-05	2.65E-05	0.00E+00	0.00E+00	419136.6	3740178	0.000271	0	0.000271	2.64869E-05
4300	420390.43	3741025	2.39E-04	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	5.97E-04	0.00E+00	0.00E+00	3.01E-05	5.84E-05	0.00E+00	0.00E+00	420390.4	3741025	0.000597	0	0.000597	5.84093E-05
4301	420399.78	3741022	2.43E-04	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.06E-04	0.00E+00	0.00E+00	3.06E-05	5.94E-05	0.00E+00	0.00E+00	420399.8	3741022	0.000606	0	0.000606	5.93689E-05
4302	420409.13	3741018	2.47E-04	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.16E-04	0.00E+00	0.00E+00	3.11E-05	6.03E-05	0.00E+00	0.00E+00	420409.1	3741018	0.000616	0	0.000616	6.03295E-05
4303	420418.48	3741015	2.51E-04	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.26E-04	0.00E+00	0.00E+00	3.16E-05	6.13E-05	0.00E+00	0.00E+00	420418.5	3741015	0.000626	0	0.000626	6.12725E-05
4304	420427.83	3741012	2.55E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.35E-04	0.00E+00	0.00E+00	3.21E-05	6.22E-05	0.00E+00	0.00E+00	420427.8	3741012	0.000635	0	0.000635	6.22194E-05
4305	420437.18	3741008	2.59E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.45E-04	0.00E+00	0.00E+00	3.25E-05	6.32E-05	0.00E+00	0.00E+00	420437.2	3741008	0.000645	0	0.000645	6.31555E-05
4306	420446.53	3741005	2.63E-04	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.54E-04	0.00E+00	0.00E+00	3.30E-05	6.41E-05	0.00E+00	0.00E+00	420446.5	3741005	0.000654	0	0.000654	6.40808E-05
4307	420455.88	3741002	2.66E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.64E-04	0.00E+00	0.00E+00	3.35E-05	6.50E-05	0.00E+00	0.00E+00	420455.9	3741002	0.000664	0	0.000664	6.49973E-05
4308	420465.23	3740999	2.70E-04	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	6.73E-04	0.00E+00	0.00E+00	3.40E-05	6.59E-05	0.00E+00	0.00E+00	420465.2	3740999	0.000673	0	0.000673	6.58952E-05
4309	420474.58	3740995	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00	420474.6	3740995	0.000682	0	0.000682	6.67824E-05
4310	420483.93	3740992	2.78E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.93E-04	0.00E+00	0.00E+00	3.49E-05	6.78E-05	0.00E+00	0.00E+00	420483.9	3740992	0.000693	0	0.000693	6.78213E-05
4311	420493.28	3740989	2.81E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.01E-04	0.00E+00	0.00E+00	3.54E-05	6.87E-05	0.00E+00	0.00E+00	420493.3	3740989	0.000701	0	0.000701	6.86732E-05
4312	420502.62	3740985	2.85E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	7.10E-04	0.00E+00	0.00E+00	3.58E-05	6.95E-05	0.00E+00	0.00E+00	420502.6	3740985	0.00071	0	0.00071	6.95064E-05
4313	420511.97	3740982	2.88E-04	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	7.18E-04	0.00E+00	0.00E+00	3.62E-05	7.03E-05	0.00E+00	0.00E+00	420512	3740982	0.000718	0	0.000718	7.03202E-05
4314	420521.32	3740979	2.91E-04	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.26E-04	0.00E+00	0.00E+00	3.66E-05	7.11E-05	0.00E+00	0.00E+00	420521.3	3740979	0.000726	0	0.000726	7.11152E-05
4315	420530.67	3740975	2.95E-04	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	7.34E-04	0.00E+00	0.00E+00	3.70E-05	7.19E-05	0.00E+00	0.00E+00	420530.7	3740975	0.000734	0	0.000734	7.18829E-05
4316	420394.05	3741061	2.23E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.56E-04	0.00E+00	0.00E+00	2.81E-05	5.45E-05	0.00E+00	0.00E+00	420394.1	3741061	0.000556	0	0.000556	5.44848E-05
4317	420384.27	3741060	2.21E-04	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.50E-04	0.00E+00	0.00E+00	2.78E-05	5.39E-05	0.00E+00	0.00E+00	420384.3	3741060	0.00055	0	0.00055	5.39031E-05
4318	420374.49	3741059	2.19E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.45E-04	0.00E+00	0.00E+00	2.75E-05	5.34E-05	0.00E+00	0.00E+00	420374.5	3741059	0.000545	0	0.000545	5.34106E-05
4319	420364.72	3741057	2.17E-04	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.40E-04	0.00E+00	0.00E+00	2.73E-05	5.29E-05	0.00E+00	0.00E+00	420364.7	3741057	0.00054	0	0.00054	5.29024E-05
4320	420354.94	3741056	2.15E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.35E-04	0.00E+00	0.00E+00	2.70E-05	5.24E-05	0.00E+00	0.00E+00	420354.9	3741056	0.000535	0	0.000535	5.23972E-05
4321	420345.16	3741055	2.13E-04	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	5.30E-04	0.00E+00	0.00E+00	2.67E-05	5.19E-05	0.00E+00	0.00E+00	420345.2	3741055	0.00053	0	0.00053	5.19007E-05
4322	420335.39	3741053	2.11E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.25E-04	0.00E+00	0.00E+00	2.65E-05	5.14E-05	0.00E+00	0.00E+00	420335.4	3741053	0.000525	0	0.000525	5.13945E-05
4323	420325.61	3741052	2.09E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.20E-04	0.00E+00	0.00E+00	2.62E-05	5.09E-05	0.00E+00	0.00E+00	420325.6	3741052	0.00052	0	0.00052	5.08951E-05
4324	420315.83	3741051	2.07E-04	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.15E-04	0.00E+00	0.00E+00	2.60E-05	5.04E-05	0.00E+00	0.00E+00	420315.8	3741051	0.000515	0	0.000515	5.04045E-05
4325	420306.05	3741049	2.04E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.10E-04	0.00E+00	0.00E+00	2.57E-05	4.99E-05	0.00E+00	0.00E+00	420306.1	3741049	0.00051	0	0.00051	4.99032E-05
4326	420296.28	3741048	2.02E-04	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.04E-04	0.00E+00	0.00E+00	2.55E-05	4.94E-05	0.00E+00	0.00E+00	420296.3	3741048	0.000504	0	0.000504	4.93911E-05
4327	420286.5	3741047	2.00E-04	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.99E-04	0.00E+00	0.00E+00	2.52E-05	4.89E-05	0.00E+00	0.00E+00	420286.5	3741047	0.000499	0	0.000499	4.88692E-05
4328	420276.72	3741045	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.83E-05	0.00E+00	0.00E+00	420276.7	3741045	0.000494	0	0.000494	4.83492E-05
4329	420266.95	3741044	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.49E-05	4.84E-05	0.00E+00	0.00E+00	420267	3741044	0.000494	0	0.000494	4.83747E-05
4330	420257.17	3741043	1.96E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.89E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00	420257.2	3741043	0.000489	0	0.000489	4.78586E-05
4331	420247.39	3741041	1.94E-04	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	4.84E-04	0.00E+00	0.00E+00	2.44E-05	4.74E-05	0.00E+00	0.00E+00	420247.4	3741041	0.000484	0	0.000484	4.73592E-05
4332	420237.62	3741040	1.92E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.78E-04	0.00E+00	0.00E+00	2.41E-05	4.69E-05	0.00E+00	0.00E+00	420237.6	3741040	0.000478	0	0.000478	4.68511E-05
4333	420227.84	3741039	1.90E-04	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.74E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00	420227.8	3741039	0.000474	0	0.000474	4.63703E-05
4334	420218.06	3741037	1.88E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.69E-04	0.00E+00	0.00E+00	2.36E-05	4.59E-05	0.00E+00	0.00E+00	420218.1	3741037	0.000469	0	0.000469	4.58866E-05
4335	420208.29	3741036	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.54E-05	0.00E+00	0.00E+00	420208.3	3741036	0.000464	0	0.000464	4.5394E-05
4336	420198.51	3741035	1.84E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.59E-04	0.00E+00	0.00E+00	2.31E-05	4.49E-05	0.00E+00	0.00E+00	420198.5	3741035	0.000459	0	0.000459	4.49044E-05
4337	420188.73	3741033	1.82E-04	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.53E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-

4407	419389.35	3740738	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00	419389.4	3740738	0.000314	0	0.000314	3.07023E-05
4408	419384.78	3740729	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00	419384.8	3740729	0.000316	0	0.000316	3.09383E-05
4409	419380.2	3740720	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00	419380.2	3740720	0.000318	0	0.000318	3.11606E-05
4410	419375.63	3740712	1.29E-04	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.20E-04	0.00E+00	0.00E+00	1.62E-05	3.14E-05	0.00E+00	0.00E+00	419375.6	3740712	0.00032	0	0.00032	3.1377E-05
4411	419371.05	3740703	1.29E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00	419371.1	3740703	0.000323	0	0.000323	3.15895E-05
4412	419366.48	3740694	1.30E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.25E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00	419366.5	3740694	0.000325	0	0.000325	3.18049E-05
4413	419361.9	3740685	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.20E-05	0.00E+00	0.00E+00	419361.9	3740685	0.000327	0	0.000327	3.20164E-05
4414	419357.33	3740677	1.32E-04	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.29E-04	0.00E+00	0.00E+00	1.66E-05	3.22E-05	0.00E+00	0.00E+00	419357.3	3740677	0.000329	0	0.000329	3.2224E-05
4415	419352.75	3740668	1.33E-04	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.31E-04	0.00E+00	0.00E+00	1.67E-05	3.24E-05	0.00E+00	0.00E+00	419352.8	3740668	0.000331	0	0.000331	3.24257E-05
4416	419348.17	3740659	1.34E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.33E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00	419348.2	3740659	0.000333	0	0.000333	3.26284E-05
4417	419343.6	3740650	1.34E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00	419343.6	3740650	0.000335	0	0.000335	3.28213E-05
4418	419339.02	3740642	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00	419339	3740642	0.000337	0	0.000337	3.30093E-05
4419	419334.45	3740633	1.36E-04	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	3.39E-04	0.00E+00	0.00E+00	1.71E-05	3.32E-05	0.00E+00	0.00E+00	419334.5	3740633	0.000339	0	0.000339	3.31797E-05
4420	419329.87	3740624	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.33E-05	0.00E+00	0.00E+00	419329.9	3740624	0.000341	0	0.000341	3.33422E-05
4421	419325.3	3740616	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.73E-05	3.35E-05	0.00E+00	0.00E+00	419325.3	3740616	0.000342	0	0.000342	3.34813E-05
4422	419320.72	3740607	1.38E-04	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.43E-04	0.00E+00	0.00E+00	1.73E-05	3.36E-05	0.00E+00	0.00E+00	419320.7	3740607	0.000343	0	0.000343	3.36095E-05
4423	419302.42	3740572	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00	419302.4	3740572	0.000347	0	0.000347	3.39689E-05
4424	419297.85	3740563	1.40E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.48E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00	419297.9	3740563	0.000348	0	0.000348	3.40472E-05
4425	419293.27	3740554	1.40E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.48E-04	0.00E+00	0.00E+00	1.76E-05	3.41E-05	0.00E+00	0.00E+00	419293.3	3740554	0.000348	0	0.000348	3.41079E-05
4426	419288.7	3740546	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00	419288.7	3740546	0.000349	0	0.000349	3.41598E-05
4427	419284.12	3740537	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00	419284.1	3740537	0.000349	0	0.000349	3.41843E-05
4428	419279.55	3740528	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00	419279.6	3740528	0.000349	0	0.000349	3.42029E-05
4429	419274.97	3740519	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00	419275	3740519	0.000349	0	0.000349	3.41892E-05
4430	419270.4	3740511	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.42E-05	0.00E+00	0.00E+00	419270.4	3740511	0.000349	0	0.000349	3.41745E-05
4431	419265.82	3740502	1.40E-04	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.49E-04	0.00E+00	0.00E+00	1.76E-05	3.41E-05	0.00E+00	0.00E+00	419265.8	3740502	0.000349	0	0.000349	3.41344E-05
4432	419261.25	3740493	1.40E-04	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	3.48E-04	0.00E+00	0.00E+00	1.76E-05	3.41E-05	0.00E+00	0.00E+00	419261.3	3740493	0.000348	0	0.000348	3.40717E-05
4433	419256.67	3740484	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00	419256.7	3740484	0.000347	0	0.000347	3.39944E-05
4434	419252.09	3740476	1.39E-04	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.46E-04	0.00E+00	0.00E+00	1.75E-05	3.39E-05	0.00E+00	0.00E+00	419252.1	3740476	0.000346	0	0.000346	3.38847E-05
4435	419247.52	3740467	1.38E-04	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.45E-04	0.00E+00	0.00E+00	1.74E-05	3.38E-05	0.00E+00	0.00E+00	419247.5	3740467	0.000345	0	0.000345	3.37799E-05
4436	419242.94	3740458	1.38E-04	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	3.44E-04	0.00E+00	0.00E+00	1.73E-05	3.36E-05	0.00E+00	0.00E+00	419242.9	3740458	0.000344	0	0.000344	3.36409E-05
4437	419238.37	3740449	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.73E-05	3.35E-05	0.00E+00	0.00E+00	419238.4	3740449	0.000342	0	0.000342	3.35097E-05
4438	419233.79	3740441	1.37E-04	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.41E-04	0.00E+00	0.00E+00	1.72E-05	3.34E-05	0.00E+00	0.00E+00	419233.8	3740441	0.000341	0	0.000341	3.3353E-05
4439	419220.07	3740414	1.34E-04	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	3.35E-04	0.00E+00	0.00E+00	1.69E-05	3.28E-05	0.00E+00	0.00E+00	419220.1	3740414	0.000335	0	0.000335	3.27851E-05
4440	419215.49	3740406	1.33E-04	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.33E-04	0.00E+00	0.00E+00	1.68E-05	3.26E-05	0.00E+00	0.00E+00	419215.5	3740406	0.000333	0	0.000333	3.25618E-05
4441	419210.92	3740397	1.32E-04	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	3.30E-04	0.00E+00	0.00E+00	1.66E-05	3.23E-05	0.00E+00	0.00E+00	419210.9	3740397	0.00033	0	0.00033	3.23023E-05
4442	419206.34	3740388	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00	419206.3	3740388	0.000327	0	0.000327	3.20654E-05
4443	419201.77	3740379	1.30E-04	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.25E-04	0.00E+00	0.00E+00	1.64E-05	3.18E-05	0.00E+00	0.00E+00	419201.8	3740379	0.000325	0	0.000325	3.17941E-05
4444	419197.19	3740371	1.29E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	3.22E-04	0.00E+00	0.00E+00	1.62E-05	3.15E-05	0.00E+00	0.00E+00	419197.2	3740371	0.000322	0	0.000322	3.15317E-05
4445	419192.62	3740362	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.13E-05	0.00E+00	0.00E+00	419192.6	3740362	0.000319	0	0.000319	3.12517E-05
4446	419188.04	3740353	1.27E-04	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	3.16E-04	0.00E+00	0.00E+00	1.59E-05	3.09E-05	0.00E+00	0.00E+00	419188	3740353	0.000316	0	0.000316	3.09442E-05
4447	419183.47	3740345	1.25E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.13E-04	0.00E+00	0.00E+00	1.58E-05	3.06E-05	0.00E+00	0.00E+00	419183.5	3740345	0.000313	0	0.000313	3.0626E-05
4448	419178.89	3740336	1.24E-04	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.09E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00	419178.9	3740336	0.000309	0	0.000309	3.02872E-05
4449	419174.32	3740327	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	3.00E-05	0.00E+00	0.00E+00	419174.3	3740327	0.000306	0	0.000306	2.99562E-05
4450	419169.74	3740318	1.21E-04	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.02E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00	419169.7	3740318	0.000302	0	0.000302	2.96057E-05
4451	419165.17	3740310	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00	419165.2	3740310	0.000299	0	0.000299	2.92708E-05
4452	419160.59	3740301	1.19E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	2.96E-04	0.00E+00	0.00E+00	1.49E-05	2.90E-05	0.00E+00	0.00E+00	419160.6	3740301	0.000296	0	0.000296	2.89633E-05
4453	419156.01	3740292	1.17E-04	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.93E-04	0.00E+00	0.00E+00	1.48E-05	2.87E-05	0.00E+00	0.00E+00	419156	3740292	0.000293	0	0.000293	2.86588E-05
4454	419151.44	3740283	1.16E-04	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	2.90E-04	0.00E+00	0.00E+00	1.46E-05	2.83E-05	0.00E+00	0.00E+00	419151.4	3740283	0.00029	0	0.00029	2.83474E-05
4455	419146.86	3740275	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00	419146.9	3740275	0.000286	0	0.000286	2.8037E-05
4456	419142.29	3740266	1.14E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00	419142.3	3740266	0.000283	0	0.000283	2.77256E-05
4457	419137.71	3740257	1.12E-04	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	2.80E-04	0.00E+00	0.00E+00	1.41E-05	2.74E-05	0.00E+00	0.00E+00	419137.7	3740257	0.00028	0	0.00028	2.74133E-05
4458	419133.14	3740248	1.11E-04	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	2.77E-04	0.00E+00	0.00E+00	1.40E-05	2.71E-05	0.00E+00	0.00E+00	419133.1	3740248	0.000277	0	0.000277	2.71019E-05
4459	419128.56	3740240	1.10E-04	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	2.74E-04	0.00E+00	0.00E+00	1.38E-05	2.68E-05	0.00E+00	0.00E+00	419128.6	3740240	0.000274	0	0.000274	2.67876E-05
4460	419123.99	3740231	1.08E-04	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	2.70E-04	0.00E+00	0.00E+00	1.36E-05	2.65E-05	0.00E+00	0.00E+00	419124	3740231	0.00027	0	0.00027	2.64772E-05
4461	419087.39	3740161	9.88E-05	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-05	2.46E-04	0.00E+00	0.00E+00	1.24E-05	2.41E-05	0.00E+00	0.00E+00	419087.4	3740161	0.000246	0	0.000246	2.41124E-05
4462	419082.81	3740152	9.78E-05	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-05	2.44E-04	0.00E+00	0.00E+00	1.23E-05	2.39E-05	0.00E+00	0.00E+00	419082.8	3740152	0.000244	0	0.000244	2.38647E-05
4463	419078.24	3740143	9.68E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	2.41E-04	0.00E+00	0.00E+00	1.22E-05	2.36E-05	0.00E+00	0.00E+00	419078.2	3740143	0.000241	0	0.000241	2.3616E-05
4464	419073.66	3740135	9.58E-05	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-05	2.39E-04	0.00E+00	0.00E+00	1.20E-05	2.34E-05	0.00E+00	0.00E+00	419073.7	3740135	0.000239	0	0.000239	2.33771E-05
4465	420403.82	3741063	2.25E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.61E-04	0.00E+00	0.00E+00	2.83E-05	5.49E-05	0.00E+00	0.00E+00	420403.8	3741063	0.000561	0	0.000561	5.48902E-05
4466	420413.17	3741059	2.29E-04	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.70E-04	0.00E+00	0.00E+00	2.87E-05	5.58E-05	0.00E+00	0.00E+00	420413.2	3741059	0.00057	0	0.00057	5.57773E-05
4467	420422.52	3741056	2.32E-04	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	5.78E-04	0.00E+00	0.00E+00	2.92E-05	5.66E-05	0.00E+00	0.00E+00	420422.5	3741056	0.000578	0	0.000578	5.66429E-05
4468	420431.87	3741053	2.36E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.75E-05	0.00E+00	0.00E+00	420431.9	3741053	0.000587	0	0.000587	5.74997E-05
4469	420441.22	3741049	2.39E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	5.96E-04	0.00E+00	0.00E+00	3.01E-05	5.83E-05	0.00E+00	0.00E+00	420441.2	3741049	0.000596	0	0.000596	5.83437E-05
4470	420450.57	3741046	2.42E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	6.04E-04	0.00E+00	0.00E+00	3.05E-05	5.92E-05	0.00E+00	0.00E+00	420450.6	3741046	0.000604	0	0.000604	5.91819E-05
4471	420459.92	3741043	2.46E-04	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.13E-04	0.00E+00	0.00E+00	3.09E-05	6.00E-05	0.00E+00	0.00E+00	420459.9	3741043	0.000613	0	0.000613	6.00103E-05
4472	420469.27	3741040	2.49E-04	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.21E-04	0.00E+00	0.00E+00	3.13E-05	6.08E-05	0.00E+00	0.00E+00	420469.3	3741040	0.000621	0	0.000621	6.0825E-05
4473	420478.62	3741036	2.53E-04	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	6.29E-04	0.00E+00	0.00E+00	3.18E-05	6.16E-05	0.00E+00	0.00E+00	420478.6	3741036	0.000629	0	0.000629	6.16299E-05
4474	420487.97	3741033	2.56E-04	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.37E-04	0.00E+00	0.00E+00	3.22E-05	6.24E-05	0.00E+00	0.00E+00	420488	3741033	0.000637	0	0.000637	6.24172E-05
4475	420497.32	3741030	2.59E-04	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.45E-04	0.00E+00	0.00E+00	3.26E-05	6.32E-05	0.00E+00	0.00E+00	420497.3	3741030	0.000645	0	0.000645	6.31887E-05
4476	420506.67	3741026	2.63E-04	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	6.55E-04	0.00E+00	0.00E+00	3.31E-05	6.41E-05	0.00E+00	0.00E+00	420506.7	3741026	0.000655	0	0.000655	6.41425E-05
4477	420516.01	3741023	2.66E-04	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.63E-04	0.00E+00	0.00E+00	3.34E-05	6.49E-05	0.00E+00	0.00E+00	420516	3741023	0.000663	0	0.000663	6.48857E-05
4478	420525.36	3741020	2.69E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.70E-04	0.00E+00	0.00E+00	3.38E-05	6.56E-05	0.00E+00	0.00E+00	420525.4	3741020	0.00067	0	0.00067	6.56044E-05
4479	420534.71	3741016	2.72E-04	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.77E-04	0.00E+00	0.00E+00	3.42E-05	6.63E-05	0.00E+00	0.00E+00	420534.7	3741016	0.000677	0	0.000677	6.63035E-05
4480	420544.06	3741013	2.74E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.84E-04	0.00E+00	0.00E+00	3.45E-05	6.70E-05	0.00E+00	0.00E+00	420544.1	3741013	0.000684	0	0.000684	6.6986E-05
4481	420239.09	3740026	9.37E-03	2.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-03	2.34E-02	0.00E+00	0.00E+00	1.18E-03	2.29E-03	0.00E+00	0.00E+00	420239.1	3740026	0.023364	0	0.023364	0.002287767
4482	420239.04	3740017	7.70E-03	1.92E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-03	1.92E-02	0.00E+00	0.00E+00	9.68E-04	1.88E-03	0.00E+00	0.00E+00	420239	3740017	0.019183	0	0.019183	0.00187837
4483	420239	3740008	6.25E-03	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-03	1.56E-02	0.00E+00	0.00E+00	7.86E-04	1.53E-03	0.00E+00	0.00E+00	420239	3740008	0.015582	0	0.015582	0.001525766
4484	420246.89	3740078	1.40E-02	3.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-02	3.49E-02	0.00E+00	0.00E+00	1.76E-03	3.41E-03	0.00E+00	0

4554	420326.42	3740143	4.79E-03	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-03	1.20E-02	0.00E+00	0.00E+00	6.03E-04	1.17E-03	0.00E+00	0.00E+00	420326.4	3740143	0.01195	0	0.01195	0.001170126
4555	420317.11	3740156	5.09E-03	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-03	1.27E-02	0.00E+00	0.00E+00	6.40E-04	1.24E-03	0.00E+00	0.00E+00	420317.1	3740156	0.012674	0	0.012674	0.001241019
4556	420303.57	3740167	5.51E-03	1.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-03	1.37E-02	0.00E+00	0.00E+00	6.92E-04	1.34E-03	0.00E+00	0.00E+00	420303.6	3740167	0.013722	0	0.013722	0.001343637
4557	420290.03	3740177	5.82E-03	1.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-03	1.45E-02	0.00E+00	0.00E+00	7.31E-04	1.42E-03	0.00E+00	0.00E+00	420290	3740177	0.014493	0	0.014493	0.001419132
4558	420276.49	3740187	5.99E-03	1.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-03	1.49E-02	0.00E+00	0.00E+00	7.53E-04	1.46E-03	0.00E+00	0.00E+00	420276.5	3740187	0.014932	0	0.014932	0.001462119
4559	420349.26	3740061	2.97E-03	7.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-03	7.40E-03	0.00E+00	0.00E+00	3.74E-04	7.25E-04	0.00E+00	0.00E+00	420349.3	3740061	0.007402	0	0.007402	0.000724812
4560	420349.22	3740052	2.78E-03	6.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	6.93E-03	0.00E+00	0.00E+00	3.50E-04	6.79E-04	0.00E+00	0.00E+00	420349.2	3740052	0.006933	0	0.006933	0.000678849
4561	420349.18	3740043	2.59E-03	6.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-03	6.45E-03	0.00E+00	0.00E+00	3.26E-04	6.32E-04	0.00E+00	0.00E+00	420349.2	3740043	0.006454	0	0.006454	0.000631985
4562	420349.04	3740016	2.04E-03	5.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	5.08E-03	0.00E+00	0.00E+00	2.57E-04	4.98E-04	0.00E+00	0.00E+00	420349	3740016	0.005084	0	0.005084	0.000497857
4563	420366.67	3740078	2.81E-03	7.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-03	7.01E-03	0.00E+00	0.00E+00	3.54E-04	6.86E-04	0.00E+00	0.00E+00	420366.7	3740078	0.00701	0	0.00701	0.000686418
4564	420361.38	3740095	3.20E-03	7.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03	7.98E-03	0.00E+00	0.00E+00	4.03E-04	7.81E-04	0.00E+00	0.00E+00	420361.4	3740095	0.007981	0	0.007981	0.000781458
4565	420356.1	3740112	3.56E-03	8.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-03	8.86E-03	0.00E+00	0.00E+00	4.47E-04	8.68E-04	0.00E+00	0.00E+00	420356.1	3740112	0.008863	0	0.008863	0.000867871
4566	420350.81	3740129	3.85E-03	9.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03	9.59E-03	0.00E+00	0.00E+00	4.84E-04	9.39E-04	0.00E+00	0.00E+00	420350.8	3740129	0.009585	0	0.009585	0.000938588
4567	420345.53	3740146	4.04E-03	1.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-03	1.01E-02	0.00E+00	0.00E+00	5.08E-04	9.86E-04	0.00E+00	0.00E+00	420345.5	3740146	0.010072	0	0.010072	0.000986235
4568	420333.21	3740168	4.34E-03	1.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-03	1.08E-02	0.00E+00	0.00E+00	5.46E-04	1.06E-03	0.00E+00	0.00E+00	420333.2	3740168	0.010829	0	0.010829	0.001060359
4569	420319.14	3740179	4.69E-03	1.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-03	1.17E-02	0.00E+00	0.00E+00	5.90E-04	1.14E-03	0.00E+00	0.00E+00	420319.1	3740179	0.011689	0	0.011689	0.001144569
4570	420305.08	3740189	4.94E-03	1.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-03	1.23E-02	0.00E+00	0.00E+00	6.22E-04	1.21E-03	0.00E+00	0.00E+00	420305.1	3740189	0.012324	0	0.012324	0.001206747
4571	420291.01	3740200	5.12E-03	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-03	1.28E-02	0.00E+00	0.00E+00	6.44E-04	1.25E-03	0.00E+00	0.00E+00	420291	3740200	0.012758	0	0.012758	0.001249244
4572	420276.94	3740211	5.16E-03	1.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-03	1.29E-02	0.00E+00	0.00E+00	6.50E-04	1.26E-03	0.00E+00	0.00E+00	420276.9	3740211	0.012872	0	0.012872	0.001260407
4573	420369.26	3740061	2.47E-03	6.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	6.17E-03	0.00E+00	0.00E+00	3.11E-04	6.04E-04	0.00E+00	0.00E+00	420369.3	3740061	0.006168	0	0.006168	0.000603991
4574	420369.18	3740043	2.18E-03	5.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	5.43E-03	0.00E+00	0.00E+00	2.74E-04	5.32E-04	0.00E+00	0.00E+00	420369.2	3740043	0.005429	0	0.005429	0.00053155
4575	420369.13	3740034	2.03E-03	5.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	5.06E-03	0.00E+00	0.00E+00	2.56E-04	4.96E-04	0.00E+00	0.00E+00	420369.1	3740034	0.005065	0	0.005065	0.000495937
4576	420386.79	3740078	2.36E-03	5.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03	5.89E-03	0.00E+00	0.00E+00	2.97E-04	5.77E-04	0.00E+00	0.00E+00	420386.8	3740078	0.005894	0	0.005894	0.000577122
4577	420381.76	3740094	2.66E-03	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	6.63E-03	0.00E+00	0.00E+00	3.35E-04	6.49E-04	0.00E+00	0.00E+00	420381.8	3740094	0.006631	0	0.006631	0.000649288
4578	420376.73	3740110	2.95E-03	7.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-03	7.34E-03	0.00E+00	0.00E+00	3.70E-04	7.19E-04	0.00E+00	0.00E+00	420376.7	3740110	0.007341	0	0.007341	0.0007188
4579	420371.7	3740126	3.20E-03	7.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-03	7.97E-03	0.00E+00	0.00E+00	4.02E-04	7.80E-04	0.00E+00	0.00E+00	420371.7	3740126	0.00797	0	0.00797	0.00078042
4580	420366.67	3740142	3.39E-03	8.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-03	8.45E-03	0.00E+00	0.00E+00	4.26E-04	8.27E-04	0.00E+00	0.00E+00	420366.7	3740142	0.008448	0	0.008448	0.000827186
4581	420361.64	3740158	3.52E-03	8.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-03	8.76E-03	0.00E+00	0.00E+00	4.42E-04	8.58E-04	0.00E+00	0.00E+00	420361.6	3740158	0.008762	0	0.008762	0.000857991
4582	420349.92	3740179	3.74E-03	9.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-03	9.33E-03	0.00E+00	0.00E+00	4.71E-04	9.14E-04	0.00E+00	0.00E+00	420349.9	3740179	0.009334	0	0.009334	0.000913922
4583	420336.52	3740189	4.02E-03	1.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-03	1.00E-02	0.00E+00	0.00E+00	5.05E-04	9.81E-04	0.00E+00	0.00E+00	420336.5	3740189	0.010016	0	0.010016	0.000980751
4584	420323.13	3740200	4.25E-03	1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-03	1.06E-02	0.00E+00	0.00E+00	5.34E-04	1.04E-03	0.00E+00	0.00E+00	420323.1	3740200	0.010587	0	0.010587	0.001036663
4585	420309.74	3740210	4.40E-03	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-03	1.10E-02	0.00E+00	0.00E+00	5.54E-04	1.07E-03	0.00E+00	0.00E+00	420309.7	3740210	0.010976	0	0.010976	0.001074753
4586	420296.35	3740220	4.48E-03	1.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-03	1.12E-02	0.00E+00	0.00E+00	5.63E-04	1.09E-03	0.00E+00	0.00E+00	420296.4	3740220	0.011164	0	0.011164	0.001093162
4587	420282.96	3740230	4.47E-03	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-03	1.11E-02	0.00E+00	0.00E+00	5.62E-04	1.09E-03	0.00E+00	0.00E+00	420283	3740230	0.011138	0	0.011138	0.001090616
4588	420389.26	3740061	2.10E-03	5.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	5.24E-03	0.00E+00	0.00E+00	2.64E-04	5.13E-04	0.00E+00	0.00E+00	420389.3	3740061	0.005241	0	0.005241	0.000513181
4589	420389.22	3740052	1.98E-03	4.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	4.95E-03	0.00E+00	0.00E+00	2.50E-04	4.84E-04	0.00E+00	0.00E+00	420389.2	3740052	0.004947	0	0.004947	0.000484364
4590	420389.17	3740043	1.87E-03	4.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	4.65E-03	0.00E+00	0.00E+00	2.35E-04	4.55E-04	0.00E+00	0.00E+00	420389.2	3740043	0.004651	0	0.004651	0.00045538
4591	420389.13	3740034	1.75E-03	4.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	4.36E-03	0.00E+00	0.00E+00	2.20E-04	4.27E-04	0.00E+00	0.00E+00	420389.1	3740034	0.004361	0	0.004361	0.000427042
4592	420389.09	3740025	1.64E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	4.08E-03	0.00E+00	0.00E+00	2.06E-04	3.99E-04	0.00E+00	0.00E+00	420389.1	3740025	0.00408	0	0.00408	0.000399498
4593	420406.71	3740078	2.02E-03	5.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	5.05E-03	0.00E+00	0.00E+00	2.55E-04	4.94E-04	0.00E+00	0.00E+00	420406.7	3740078	0.005047	0	0.005047	0.000494146
4594	420401.52	3740095	2.27E-03	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-03	5.67E-03	0.00E+00	0.00E+00	2.86E-04	5.55E-04	0.00E+00	0.00E+00	420401.5	3740095	0.005668	0	0.005668	0.000554982
4595	420396.33	3740111	2.52E-03	6.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-03	6.28E-03	0.00E+00	0.00E+00	3.17E-04	6.15E-04	0.00E+00	0.00E+00	420396.3	3740111	0.006277	0	0.006277	0.000614644
4596	420391.14	3740128	2.74E-03	6.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03	6.84E-03	0.00E+00	0.00E+00	3.45E-04	6.70E-04	0.00E+00	0.00E+00	420391.1	3740128	0.006841	0	0.006841	0.000669821
4597	420385.95	3740144	2.92E-03	7.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03	7.28E-03	0.00E+00	0.00E+00	3.67E-04	7.13E-04	0.00E+00	0.00E+00	420386	3740144	0.007277	0	0.007277	0.000712533
4598	420380.76	3740161	3.04E-03	7.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03	7.59E-03	0.00E+00	0.00E+00	3.83E-04	7.43E-04	0.00E+00	0.00E+00	420380.8	3740161	0.007588	0	0.007588	0.000743025
4599	420375.57	3740177	3.13E-03	7.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-03	7.80E-03	0.00E+00	0.00E+00	3.94E-04	7.64E-04	0.00E+00	0.00E+00	420375.6	3740177	0.0078	0	0.0078	0.000763735
4600	420366.07	3740191	3.28E-03	8.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-03	8.17E-03	0.00E+00	0.00E+00	4.12E-04	8.00E-04	0.00E+00	0.00E+00	420366.1	3740191	0.008167	0	0.008167	0.000799661
4601	420352.25	3740201	3.51E-03	8.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-03	8.76E-03	0.00E+00	0.00E+00	4.42E-04	8.58E-04	0.00E+00	0.00E+00	420352.3	3740201	0.008759	0	0.008759	0.000857678
4602	420338.44	3740212	3.71E-03	9.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-03	9.25E-03	0.00E+00	0.00E+00	4.67E-04	9.06E-04	0.00E+00	0.00E+00	420338.4	3740212	0.009253	0	0.009253	0.00090602
4603	420324.62	3740222	3.85E-03	9.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03	9.60E-03	0.00E+00	0.00E+00	4.84E-04	9.40E-04	0.00E+00	0.00E+00	420324.6	3740222	0.009598	0	0.009598	0.000939822
4604	420310.8	3740233	3.92E-03	9.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-03	9.77E-03	0.00E+00	0.00E+00	4.93E-04	9.56E-04	0.00E+00	0.00E+00	420310.8	3740233	0.009768	0	0.009768	0.000956468
4605	420296.99	3740243	3.92E-03	9.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-03	9.77E-03	0.00E+00	0.00E+00	4.93E-04	9.57E-04	0.00E+00	0.00E+00	420297	3740243	0.009769	0	0.009769	0.000956605
4606	420409.26	3740061	1.81E-03	4.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	4.51E-03	0.00E+00	0.00E+00	2.27E-04	4.41E-04	0.00E+00	0.00E+00	420409.3	3740061	0.004508	0	0.004508	0.000441446
4607	420409.22	3740052	1.71E-03	4.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	4.27E-03	0.00E+00	0.00E+00	2.16E-04	4.18E-04	0.00E+00	0.00E+00	420409.2	3740052	0.004273	0	0.004273	0.000418376
4608	420409.17	3740043	1.62E-03	4.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	4.04E-03	0.00E+00	0.00E+00	2.04E-04	3.95E-04	0.00E+00	0.00E+00	420409.2	3740043	0.004036	0	0.004036	0.000395219
4609	420409.13	3740034	1.53E-03	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	3.80E-03	0.00E+00	0.00E+00	1.92E-04	3.72E-04	0.00E+00	0.00E+00	420409.1	3740034	0.003803	0	0.003803	0.000372355
4610	420409.09	3740025	1.43E-03	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	3.57E-03	0.00E+00	0.00E+00	1.80E-04	3.50E-04	0.00E+00	0.00E+00	420409.1	3740025	0.003575	0	0.003575	0.00035001
4611	420426.64	3740078	1.75E-03	4.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	4.37E-03	0.00E+00	0.00E+00	2.21E-04	4.28E-04	0.00E+00	0.00E+00	420426.6	3740078	0.004373	0	0.004373	0.000428188
4612	420421.32	3740095	1.97E-03	4.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	4.90E-03	0.00E+00	0.00E+00	2.47E-04	4.80E-04	0.00E+00	0.00E+00	420421.3	3740095	0.004901	0	0.004901	0.000479849
4613	420415.99	3740112	2.17E-03	5.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	5.42E-03	0.00E+00	0.00E+00	2.73E-04	5.31E-04	0.00E+00	0.00E+00	420416	3740112	0.005419	0	0.005419	0.000530659
4614	420410.66	3740129	2.37E-03	5.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03	5.91E-03	0.00E+00	0.00E+00	2.98E-04	5.78E-04	0.00E+00	0.00E+00	420410.7	3740129	0.005906	0	0.005906	0.000578307
4615	420405.33	3740146	2.53E-03	6.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-03	6.31E-03	0.00E+00	0.00E+00	3.18E-04	6.18E-04	0.00E+00	0.00E+00	420405.3	3740146	0.006308	0	0.006308	0.00061765
4616	420400	3740163	2.66E-03	6.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	6.62E-03	0.00E+00	0.00E+00	3.34E-04	6.48E-04	0.00E+00	0.00E+00	420400	3740163	0.006617	0	0.006617	0.000647966
4617	420394.67	3740180	2.74E-03	6.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-03	6.83E-03	0.00E+00	0.00E+00	3.45E-04	6.69E-04	0.00E+00	0.00E+00	420394.7	3740180	0.006834	0	0.006834	0.000669136
4618	420382.25	3740202	2.90E-03	7.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03	7.24E-03	0.00E+00	0.00E+00	3.65E-04	7.09E-04	0.00E+00	0.00E+00	420382.3	3740202	0.007237	0	0.007237	0.000708616
4619	420368.07	3740213	3.10E-03	7.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	7.73E-03	0.00E+00	0.00E+00	3.90E-04	7.57E-04	0.00E+00	0.00E+00	420368.1	3740213	0.007732	0	0.007732	0.000757125
4620	420353.88	3740224	3.27E-03	8.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03	8.15E-03	0.00E+00	0.00E+00	4.11E-04	7.98E-04	0.00E+00	0.00E+00	420353.9	3740224	0.008145	0	0.008145	0.000797556
4621	420339.7	3740235	3.39E-03	8.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-03	8.44E-03	0.00E+00	0.00E+00	4.26E-04	8.26E-04	0.00E+00	0.00E+00	420339.7	3740235	0.00844	0	0.00844	0.000826432
4622	420325.51	3740246	3.45E-03	8.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	8.60E-03	0.00E+00	0.00E+00	4.34E-04	8.42E-04	0.00E+00	0.00E+00	420325.5	3740246	0.008603	0	0.008603	0.000842393
4623	420311.33	3740256	3.46E-03	8.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	8.62E-03	0.00E+00	0.00E+00	4.35E-04	8.44E-04	0.00E+00	0.00E+00	420311.3	3740256	0.008623	0	0.008623	0.000844371
4624	420297.14	3740267	3.41E-03	8.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03	8.49E-03	0.00E+00	0.00E+00	4.28E-04	8.31E-04	0.00E+00	0.00E+00	420297.1	3740267	0.00849	0	0.00849	0.000831347
4625	420429.26	3740061	1.58E-03	3.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	3.93E-03	0.00E+00	0.00E+00	1.98E-04	3.84E-04	0.00E+00	0.00E+00	420429.3	3740061	0.003926	0	0.003926	0.000384408
4626	420429.22	3740052	1.50E-03	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	3.73E-03	0.00E+00	0.00E+00	1.88E-04	3.66E-04	0.00E+00	0.00E+00	420429.2	3740052	0.003735	0	0.003735	0.000365677
4627	420429.17	3740043	1.42E-03	3.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	3.54E-03	0.00E+00	0.00E+00	1.79E-04	3.47E-04	0.00E+00	0.00E+00	420429.2	3740043	0.003543	0	0.003543	0.000346876
4628	420429.13	3740034	1.34E-03	3.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	3.35E-03	0.00E+00	0.00E+00	1.69E-04	3.28E-04	0.00E+00	0.00E+00	420429.1	3740034	0.003351	0	0.003351	0.000328105
4629	420429.09	3740025	1.27E-03	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	3.16E-03	0.00E+00	0.00E+00	1.60E-04	3.10E-04	0.00E+00	0.00E+00	420429.1	3740025	0.003163	0	0.003163	0.000309697
4630	420429.04	3740016	1.20E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.98E-03	0.00E+00	0.00E+00	1.50E-04	2.92E-04	0.00E+00	0.00E+00	420429	3740016	0.002981	0	0.002981	0.000291856
4631	420446.74	3740078	1.53E-03	3.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	3.82E-03	0.00E+00	0.00E+00	1.93E-04	3.74E-04	0.00E+00	0.00E+00	420446.7	3740078	0.003816	0	0.003816	0.000373637
4632	420441.61	3740094	1.70E-03	4.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03

4701	420489.09	3740024	9.21E-03	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	2.30E-03	0.00E+00	0.00E+00	1.16E-04	2.25E-04	0.00E+00	0.00E+00	420489.1	3740024	0.002296	0	0.002296	0.000224831
4702	420506.71	3740077	1.09E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.73E-03	0.00E+00	0.00E+00	1.38E-04	2.67E-04	0.00E+00	0.00E+00	420506.7	3740077	0.002727	0	0.002727	0.000267004
4703	420501.52	3740094	1.20E-03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	3.00E-03	0.00E+00	0.00E+00	1.51E-04	2.94E-04	0.00E+00	0.00E+00	420501.5	3740094	0.002999	0	0.002999	0.000293628
4704	420496.33	3740111	1.31E-03	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	3.27E-03	0.00E+00	0.00E+00	1.65E-04	3.20E-04	0.00E+00	0.00E+00	420496.3	3740111	0.003272	0	0.003272	0.00032035
4705	420491.14	3740127	1.42E-03	3.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	3.54E-03	0.00E+00	0.00E+00	1.79E-04	3.46E-04	0.00E+00	0.00E+00	420491.1	3740127	0.003538	0	0.003538	0.000346436
4706	420485.95	3740144	1.52E-03	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	3.79E-03	0.00E+00	0.00E+00	1.91E-04	3.71E-04	0.00E+00	0.00E+00	420486	3740144	0.00379	0	0.00379	0.000371101
4707	420480.76	3740160	1.61E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	4.02E-03	0.00E+00	0.00E+00	2.03E-04	3.94E-04	0.00E+00	0.00E+00	420480.8	3740160	0.004021	0	0.004021	0.00039373
4708	420475.57	3740177	1.69E-03	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	4.20E-03	0.00E+00	0.00E+00	2.12E-04	4.12E-04	0.00E+00	0.00E+00	420475.6	3740177	0.004205	0	0.004205	0.000411737
4709	420470.38	3740193	1.76E-03	4.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	4.38E-03	0.00E+00	0.00E+00	2.21E-04	4.29E-04	0.00E+00	0.00E+00	420470.4	3740193	0.004384	0	0.004384	0.000429235
4710	420465.19	3740210	1.81E-03	4.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	4.50E-03	0.00E+00	0.00E+00	2.27E-04	4.41E-04	0.00E+00	0.00E+00	420465.2	3740210	0.004503	0	0.004503	0.000440937
4711	420460	3740227	1.84E-03	4.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	4.59E-03	0.00E+00	0.00E+00	2.32E-04	4.49E-04	0.00E+00	0.00E+00	420460	3740227	0.00459	0	0.00459	0.000449456
4712	420447.91	3740248	1.90E-03	4.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	4.74E-03	0.00E+00	0.00E+00	2.39E-04	4.64E-04	0.00E+00	0.00E+00	420447.9	3740248	0.004741	0	0.004741	0.000464222
4713	420434.09	3740259	2.00E-03	4.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	4.99E-03	0.00E+00	0.00E+00	2.52E-04	4.88E-04	0.00E+00	0.00E+00	420434.1	3740259	0.004987	0	0.004987	0.000488329
4714	420420.27	3740269	2.08E-03	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	5.20E-03	0.00E+00	0.00E+00	2.62E-04	5.09E-04	0.00E+00	0.00E+00	420420.3	3740269	0.005197	0	0.005197	0.000508833
4715	420406.46	3740280	2.15E-03	5.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	5.36E-03	0.00E+00	0.00E+00	2.71E-04	5.25E-04	0.00E+00	0.00E+00	420406.5	3740280	0.005362	0	0.005362	0.000525009
4716	420392.64	3740290	2.20E-03	5.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	5.48E-03	0.00E+00	0.00E+00	2.77E-04	5.37E-04	0.00E+00	0.00E+00	420392.6	3740290	0.00548	0	0.00548	0.000536632
4717	420378.82	3740301	2.22E-03	5.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	5.54E-03	0.00E+00	0.00E+00	2.80E-04	5.43E-04	0.00E+00	0.00E+00	420378.8	3740301	0.005541	0	0.005541	0.000542596
4718	420365	3740311	2.23E-03	5.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	5.55E-03	0.00E+00	0.00E+00	2.80E-04	5.43E-04	0.00E+00	0.00E+00	420365	3740311	0.005549	0	0.005549	0.000543359
4719	420351.19	3740322	2.22E-03	5.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	5.54E-03	0.00E+00	0.00E+00	2.79E-04	5.42E-04	0.00E+00	0.00E+00	420351.2	3740322	0.005535	0	0.005535	0.000542008
4720	420337.37	3740332	2.19E-03	5.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	5.47E-03	0.00E+00	0.00E+00	2.76E-04	5.35E-04	0.00E+00	0.00E+00	420337.4	3740332	0.005466	0	0.005466	0.000535222
4721	420323.55	3740343	2.14E-03	5.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	5.33E-03	0.00E+00	0.00E+00	2.69E-04	5.22E-04	0.00E+00	0.00E+00	420323.6	3740343	0.005329	0	0.005329	0.000521808
4722	420509.26	3740060	1.00E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	2.49E-03	0.00E+00	0.00E+00	1.26E-04	2.44E-04	0.00E+00	0.00E+00	420509.3	3740060	0.002494	0	0.002494	0.000244199
4723	420509.22	3740051	9.60E-04	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-04	2.39E-03	0.00E+00	0.00E+00	1.21E-04	2.34E-04	0.00E+00	0.00E+00	420509.2	3740051	0.002392	0	0.002392	0.00023426
4724	420509.17	3740042	9.19E-04	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04	2.29E-03	0.00E+00	0.00E+00	1.16E-04	2.24E-04	0.00E+00	0.00E+00	420509.2	3740042	0.002291	0	0.002291	0.00022437
4725	420509.13	3740033	8.79E-04	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-04	2.19E-03	0.00E+00	0.00E+00	1.11E-04	2.14E-04	0.00E+00	0.00E+00	420509.1	3740033	0.00219	0	0.00219	0.000214461
4726	420509.08	3740024	8.39E-04	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04	2.09E-03	0.00E+00	0.00E+00	1.05E-04	2.05E-04	0.00E+00	0.00E+00	420509.1	3740024	0.002091	0	0.002091	0.000204728
4727	420509	3740006	7.62E-04	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	1.90E-03	0.00E+00	0.00E+00	9.59E-05	1.86E-04	0.00E+00	0.00E+00	420509	3740006	0.0019	0	0.0019	0.000186035
4728	420536.7	3740077	9.42E-04	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04	2.35E-03	0.00E+00	0.00E+00	1.19E-04	2.30E-04	0.00E+00	0.00E+00	420536.7	3740077	0.002349	0	0.002349	0.000229962
4729	420531.49	3740094	1.03E-03	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	2.57E-03	0.00E+00	0.00E+00	1.30E-04	2.52E-04	0.00E+00	0.00E+00	420531.5	3740094	0.002571	0	0.002571	0.000251739
4730	420526.28	3740111	1.12E-03	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	2.79E-03	0.00E+00	0.00E+00	1.41E-04	2.74E-04	0.00E+00	0.00E+00	420526.3	3740111	0.002795	0	0.002795	0.000273633
4731	420521.06	3740127	1.21E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	3.02E-03	0.00E+00	0.00E+00	1.52E-04	2.95E-04	0.00E+00	0.00E+00	420521.1	3740127	0.003016	0	0.003016	0.000295283
4732	420515.85	3740144	1.29E-03	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	3.23E-03	0.00E+00	0.00E+00	1.63E-04	3.16E-04	0.00E+00	0.00E+00	420515.9	3740144	0.003227	0	0.003227	0.000316002
4733	420510.64	3740161	1.37E-03	3.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	3.42E-03	0.00E+00	0.00E+00	1.73E-04	3.35E-04	0.00E+00	0.00E+00	420510.6	3740161	0.003424	0	0.003424	0.000335263
4734	420505.43	3740177	1.44E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	3.59E-03	0.00E+00	0.00E+00	1.81E-04	3.52E-04	0.00E+00	0.00E+00	420505.4	3740177	0.003593	0	0.003593	0.000351821
4735	420500.21	3740194	1.50E-03	3.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	3.74E-03	0.00E+00	0.00E+00	1.89E-04	3.66E-04	0.00E+00	0.00E+00	420500.2	3740194	0.003738	0	0.003738	0.000366029
4736	420495	3740210	1.55E-03	3.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	3.86E-03	0.00E+00	0.00E+00	1.95E-04	3.78E-04	0.00E+00	0.00E+00	420495	3740210	0.003863	0	0.003863	0.000378269
4737	420489.79	3740227	1.60E-03	3.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	3.99E-03	0.00E+00	0.00E+00	2.01E-04	3.90E-04	0.00E+00	0.00E+00	420489.8	3740227	0.003985	0	0.003985	0.000390205
4738	420484.58	3740244	1.61E-03	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	4.02E-03	0.00E+00	0.00E+00	2.03E-04	3.94E-04	0.00E+00	0.00E+00	420484.6	3740244	0.004021	0	0.004021	0.00039375
4739	420472.43	3740266	1.67E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	4.16E-03	0.00E+00	0.00E+00	2.10E-04	4.07E-04	0.00E+00	0.00E+00	420472.4	3740266	0.004161	0	0.004161	0.00040739
4740	420458.55	3740276	1.75E-03	4.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	4.35E-03	0.00E+00	0.00E+00	2.20E-04	4.26E-04	0.00E+00	0.00E+00	420458.6	3740276	0.004351	0	0.004351	0.000426004
4741	420444.67	3740287	1.81E-03	4.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	4.52E-03	0.00E+00	0.00E+00	2.28E-04	4.42E-04	0.00E+00	0.00E+00	420444.7	3740287	0.004516	0	0.004516	0.000442219
4742	420430.8	3740297	1.87E-03	4.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	4.66E-03	0.00E+00	0.00E+00	2.35E-04	4.56E-04	0.00E+00	0.00E+00	420430.8	3740297	0.004657	0	0.004657	0.000455967
4743	420416.92	3740308	1.91E-03	4.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	4.77E-03	0.00E+00	0.00E+00	2.41E-04	4.67E-04	0.00E+00	0.00E+00	420416.9	3740308	0.004767	0	0.004767	0.000466817
4744	420403.04	3740318	1.94E-03	4.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	4.83E-03	0.00E+00	0.00E+00	2.43E-04	4.73E-04	0.00E+00	0.00E+00	420403	3740318	0.004826	0	0.004826	0.000472506
4745	420389.16	3740329	1.95E-03	4.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	4.86E-03	0.00E+00	0.00E+00	2.45E-04	4.76E-04	0.00E+00	0.00E+00	420389.2	3740329	0.004857	0	0.004857	0.00047559
4746	420375.29	3740339	1.95E-03	4.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	4.85E-03	0.00E+00	0.00E+00	2.45E-04	4.75E-04	0.00E+00	0.00E+00	420375.3	3740339	0.004852	0	0.004852	0.000475051
4747	420361.41	3740350	1.93E-03	4.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	4.81E-03	0.00E+00	0.00E+00	2.43E-04	4.71E-04	0.00E+00	0.00E+00	420361.4	3740350	0.00481	0	0.00481	0.000470939
4748	420347.53	3740361	1.90E-03	4.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	4.72E-03	0.00E+00	0.00E+00	2.38E-04	4.63E-04	0.00E+00	0.00E+00	420347.5	3740361	0.004724	0	0.004724	0.000462586
4749	420333.66	3740371	1.84E-03	4.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	4.58E-03	0.00E+00	0.00E+00	2.31E-04	4.48E-04	0.00E+00	0.00E+00	420333.7	3740371	0.00458	0	0.00458	0.000448457
4750	420539.26	3740060	8.66E-04	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04	2.16E-03	0.00E+00	0.00E+00	1.09E-04	2.11E-04	0.00E+00	0.00E+00	420539.3	3740060	0.002159	0	0.002159	0.000211367
4751	420539.22	3740051	8.33E-04	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	2.08E-03	0.00E+00	0.00E+00	1.05E-04	2.03E-04	0.00E+00	0.00E+00	420539.2	3740051	0.002076	0	0.002076	0.000203289
4752	420539.17	3740042	8.00E-04	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	1.99E-03	0.00E+00	0.00E+00	1.01E-04	1.95E-04	0.00E+00	0.00E+00	420539.2	3740042	0.001994	0	0.001994	0.000195259
4753	420539.13	3740033	7.67E-04	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	1.91E-03	0.00E+00	0.00E+00	9.65E-05	1.87E-04	0.00E+00	0.00E+00	420539.1	3740033	0.001912	0	0.001912	0.00018722
4754	420539.04	3740015	7.03E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	1.75E-03	0.00E+00	0.00E+00	8.84E-05	1.72E-04	0.00E+00	0.00E+00	420539	3740015	0.001752	0	0.001752	0.000171592
4755	420539	3740006	6.72E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	1.68E-03	0.00E+00	0.00E+00	8.45E-05	1.64E-04	0.00E+00	0.00E+00	420539	3740006	0.001675	0	0.001675	0.000164053
4756	420566.69	3740077	8.19E-04	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	2.04E-03	0.00E+00	0.00E+00	1.03E-04	2.00E-04	0.00E+00	0.00E+00	420566.7	3740077	0.002041	0	0.002041	0.000199832
4757	420561.46	3740094	8.92E-04	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	2.22E-03	0.00E+00	0.00E+00	1.12E-04	2.18E-04	0.00E+00	0.00E+00	420561.5	3740094	0.002223	0	0.002223	0.000217692
4758	420556.23	3740111	9.67E-04	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04	2.41E-03	0.00E+00	0.00E+00	1.22E-04	2.36E-04	0.00E+00	0.00E+00	420556.2	3740111	0.002411	0	0.002411	0.000236032
4759	420551	3740127	1.04E-03	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.60E-03	0.00E+00	0.00E+00	1.31E-04	2.54E-04	0.00E+00	0.00E+00	420551	3740127	0.002596	0	0.002596	0.000254206
4760	420545.77	3740144	1.11E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.77E-03	0.00E+00	0.00E+00	1.40E-04	2.72E-04	0.00E+00	0.00E+00	420545.8	3740144	0.002774	0	0.002774	0.000271596
4761	420540.53	3740161	1.18E-03	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.94E-03	0.00E+00	0.00E+00	1.48E-04	2.88E-04	0.00E+00	0.00E+00	420540.5	3740161	0.002941	0	0.002941	0.000288017
4762	420535.3	3740177	1.24E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	3.10E-03	0.00E+00	0.00E+00	1.56E-04	3.03E-04	0.00E+00	0.00E+00	420535.3	3740177	0.003095	0	0.003095	0.000303087
4763	420530.07	3740194	1.30E-03	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	3.23E-03	0.00E+00	0.00E+00	1.63E-04	3.16E-04	0.00E+00	0.00E+00	420530.1	3740194	0.003231	0	0.003231	0.000316414
4764	420524.84	3740211	1.35E-03	3.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	3.35E-03	0.00E+00	0.00E+00	1.69E-04	3.28E-04	0.00E+00	0.00E+00	420524.8	3740211	0.003354	0	0.003354	0.000328379
4765	420519.61	3740227	1.39E-03	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	3.46E-03	0.00E+00	0.00E+00	1.74E-04	3.38E-04	0.00E+00	0.00E+00	420519.6	3740227	0.003457	0	0.003457	0.000338475
4766	420514.38	3740244	1.42E-03	3.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	3.54E-03	0.00E+00	0.00E+00	1.78E-04	3.46E-04	0.00E+00	0.00E+00	420514.4	3740244	0.003535	0	0.003535	0.000346161
4767	420509.15	3740261	1.44E-03	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	3.59E-03	0.00E+00	0.00E+00	1.81E-04	3.51E-04	0.00E+00	0.00E+00	420509.2	3740261	0.003585	0	0.003585	0.000351048
4768	420496.95	3740283	1.48E-03	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	3.69E-03	0.00E+00	0.00E+00	1.86E-04	3.61E-04	0.00E+00	0.00E+00	420497	3740283	0.003687	0	0.003687	0.000361055
4769	420483.02	3740293	1.54E-03	3.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	3.83E-03	0.00E+00	0.00E+00	1.93E-04	3.75E-04	0.00E+00	0.00E+00	420483	3740293	0.003829	0	0.003829	0.00037492
4770	420469.1	3740304	1.59E-03	3.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	3.96E-03	0.00E+00	0.00E+00	2.00E-04	3.88E-04	0.00E+00	0.00E+00	420469.1	3740304	0.00396	0	0.00396	0.000387777
4771	420455.17	3740315	1.63E-03	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	4.07E-03	0.00E+00	0.00E+00	2.06E-04	3.99E-04	0.00E+00	0.00E+00	420455.2	3740315	0.004073	0	0.004073	0.000398842
4772	420441.24	3740325	1.67E-03	4.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	4.16E-03	0.00E+00	0.00E+00	2.10E-04	4.07E-04	0.00E+00	0.00E+00	420441.2	3740325	0.004157	0	0.004157	0.000407086
4773	420427.31	3740336	1.69E-03	4.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	4.22E-03	0.00E+00	0.00E+00	2.13E-04	4.13E-04	0.00E+00	0.00E+00	420427.3	3740336	0.004215	0	0.004215	0.000412746
4774	420413.39	3740346	1.71E-03	4.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	4.26E-03	0.00E+00	0.00E+00	2.15E-04	4.17E-04	0.00E+00	0.00E+00	420413.4	3740346	0.004256	0	0.004256	0.000416761
4775	420399.46	3740357	1.72E-03	4.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	4.28E-03	0.00E+00	0.00E+00	2.16E-04	4.19E-04	0.00E+00	0.00E+00	420399.5	3740357	0.00428	0	0.00428	0.000419081
4776	420385.53	3740368	1.71E-03	4.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	4.27E-03	0.00E+00	0.00E+00	2.15E-04	4.18E-04	0.00E+00	0.00E+00	420385.5	3740368	0.004267	0	0.004267	0.000417818
4777	420371.6	3740378	1.69E-03	4.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	4.21E-03	0.00E+00	0.00E+00	2.12E-04	4.12E-04	0.00E+00	0.00E+00	420371.6	3740378	0.004208	0	0.004208	0.000411992
4778	420357.68	3740389	1.65E-03	4.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	4.11E-03	0.00E+00	0.00E+00	2.07E-04	4.03E-04	0.00E+00	0.00E+00	420357.7	3740389	0.004112	0	0.004112	0.000402641
4779	420343.75	3740399	1.60E-03	3.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	3.98E-

4848	420603.93	3740245	9.81E-04	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	2.44E-03	0.00E+00	0.00E+00	1.23E-04	2.39E-04	0.00E+00	0.00E+00	420603.9	3740245	0.002444	0	0.002444	0.000239303
4849	420598.66	3740262	1.01E-03	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	2.51E-03	0.00E+00	0.00E+00	1.26E-04	2.45E-04	0.00E+00	0.00E+00	420598.7	3740262	0.002505	0	0.002505	0.000245286
4850	420593.39	3740279	1.02E-03	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.55E-03	0.00E+00	0.00E+00	1.29E-04	2.50E-04	0.00E+00	0.00E+00	420593.4	3740279	0.002552	0	0.002552	0.000249859
4851	420588.11	3740296	1.04E-03	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.58E-03	0.00E+00	0.00E+00	1.30E-04	2.53E-04	0.00E+00	0.00E+00	420588.1	3740296	0.002581	0	0.002581	0.000252767
4852	420582.84	3740312	1.04E-03	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	2.60E-03	0.00E+00	0.00E+00	1.31E-04	2.54E-04	0.00E+00	0.00E+00	420582.8	3740312	0.002598	0	0.002598	0.000254431
4853	420570.55	3740335	1.06E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	2.65E-03	0.00E+00	0.00E+00	1.34E-04	2.59E-04	0.00E+00	0.00E+00	420570.6	3740335	0.002647	0	0.002647	0.000259229
4854	420556.51	3740345	1.10E-03	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.73E-03	0.00E+00	0.00E+00	1.38E-04	2.68E-04	0.00E+00	0.00E+00	420556.5	3740345	0.002734	0	0.002734	0.000267729
4855	420542.47	3740356	1.13E-03	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	2.82E-03	0.00E+00	0.00E+00	1.42E-04	2.76E-04	0.00E+00	0.00E+00	420542.5	3740356	0.002816	0	0.002816	0.000275709
4856	420528.43	3740367	1.16E-03	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.88E-03	0.00E+00	0.00E+00	1.46E-04	2.82E-04	0.00E+00	0.00E+00	420528.4	3740367	0.002883	0	0.002883	0.000282338
4857	420514.39	3740377	1.18E-03	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.94E-03	0.00E+00	0.00E+00	1.48E-04	2.88E-04	0.00E+00	0.00E+00	420514.4	3740377	0.002941	0	0.002941	0.000287978
4858	420500.35	3740388	1.20E-03	2.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.99E-03	0.00E+00	0.00E+00	1.51E-04	2.93E-04	0.00E+00	0.00E+00	420500.4	3740388	0.002988	0	0.002988	0.0002926
4859	420486.31	3740399	1.21E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	3.02E-03	0.00E+00	0.00E+00	1.52E-04	2.96E-04	0.00E+00	0.00E+00	420486.3	3740399	0.003022	0	0.003022	0.000295919
4860	420472.27	3740409	1.22E-03	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	3.04E-03	0.00E+00	0.00E+00	1.54E-04	2.98E-04	0.00E+00	0.00E+00	420472.3	3740409	0.003044	0	0.003044	0.000298044
4861	420458.23	3740420	1.22E-03	3.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	3.05E-03	0.00E+00	0.00E+00	1.54E-04	2.99E-04	0.00E+00	0.00E+00	420458.2	3740420	0.003052	0	0.003052	0.000298818
4862	420444.19	3740431	1.22E-03	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	3.04E-03	0.00E+00	0.00E+00	1.54E-04	2.98E-04	0.00E+00	0.00E+00	420444.2	3740431	0.003045	0	0.003045	0.000298142
4863	420430.15	3740441	1.21E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	3.02E-03	0.00E+00	0.00E+00	1.53E-04	2.96E-04	0.00E+00	0.00E+00	420430.2	3740441	0.003022	0	0.003022	0.000295939
4864	420416.11	3740452	1.20E-03	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	2.98E-03	0.00E+00	0.00E+00	1.50E-04	2.92E-04	0.00E+00	0.00E+00	420416.1	3740452	0.002982	0	0.002982	0.000292012
4865	420402.07	3740463	1.17E-03	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	2.92E-03	0.00E+00	0.00E+00	1.48E-04	2.86E-04	0.00E+00	0.00E+00	420402.1	3740463	0.002925	0	0.002925	0.000286363
4866	420388.03	3740473	1.14E-03	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	2.85E-03	0.00E+00	0.00E+00	1.44E-04	2.79E-04	0.00E+00	0.00E+00	420388	3740473	0.002849	0	0.002849	0.00027898
4867	420373.99	3740484	1.11E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.76E-03	0.00E+00	0.00E+00	1.39E-04	2.70E-04	0.00E+00	0.00E+00	420374	3740484	0.002758	0	0.002758	0.000270079
4868	420659.26	3740059	5.14E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	1.28E-03	0.00E+00	0.00E+00	6.46E-05	1.25E-04	0.00E+00	0.00E+00	420659.3	3740059	0.001281	0	0.001281	0.000125434
4869	420659.22	3740050	4.98E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	1.24E-03	0.00E+00	0.00E+00	6.26E-05	1.22E-04	0.00E+00	0.00E+00	420659.2	3740050	0.001242	0	0.001242	0.000121566
4870	420659.17	3740041	4.83E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	1.20E-03	0.00E+00	0.00E+00	6.07E-05	1.18E-04	0.00E+00	0.00E+00	420659.2	3740041	0.001203	0	0.001203	0.000117776
4871	420659.13	3740032	4.67E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	1.16E-03	0.00E+00	0.00E+00	5.88E-05	1.14E-04	0.00E+00	0.00E+00	420659.1	3740032	0.001165	0	0.001165	0.000114026
4872	420659.08	3740023	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00	420659.1	3740023	0.001127	0	0.001127	0.000110374
4873	420659.04	3740014	4.38E-04	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	1.09E-03	0.00E+00	0.00E+00	5.50E-05	1.07E-04	0.00E+00	0.00E+00	420659	3740014	0.001091	0	0.001091	0.0001068
4874	420658.99	3740005	4.23E-04	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	1.05E-03	0.00E+00	0.00E+00	5.32E-05	1.03E-04	0.00E+00	0.00E+00	420659	3740005	0.001054	0	0.001054	0.000103186
4875	420686.66	3740077	4.96E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	1.24E-03	0.00E+00	0.00E+00	6.24E-05	1.21E-04	0.00E+00	0.00E+00	420686.7	3740077	0.001236	0	0.001236	0.000121047
4876	420681.38	3740094	5.33E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	1.33E-03	0.00E+00	0.00E+00	6.70E-05	1.30E-04	0.00E+00	0.00E+00	420681.4	3740094	0.001329	0	0.001329	0.000130094
4877	420676.09	3740110	5.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.43E-03	0.00E+00	0.00E+00	7.22E-05	1.40E-04	0.00E+00	0.00E+00	420676.1	3740110	0.001431	0	0.001431	0.000140151
4878	420670.81	3740127	6.18E-04	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	1.54E-03	0.00E+00	0.00E+00	7.78E-05	1.51E-04	0.00E+00	0.00E+00	420670.8	3740127	0.001541	0	0.001541	0.000150912
4879	420665.53	3740144	6.64E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.65E-03	0.00E+00	0.00E+00	8.35E-05	1.62E-04	0.00E+00	0.00E+00	420665.5	3740144	0.001655	0	0.001655	0.000162035
4880	420660.24	3740161	7.08E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.76E-03	0.00E+00	0.00E+00	8.90E-05	1.73E-04	0.00E+00	0.00E+00	420660.2	3740161	0.001764	0	0.001764	0.000172718
4881	420654.96	3740178	7.48E-04	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	1.87E-03	0.00E+00	0.00E+00	9.41E-05	1.83E-04	0.00E+00	0.00E+00	420655	3740178	0.001865	0	0.001865	0.000182638
4882	420649.67	3740195	7.87E-04	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	1.96E-03	0.00E+00	0.00E+00	9.89E-05	1.92E-04	0.00E+00	0.00E+00	420649.7	3740195	0.00196	0	0.00196	0.00019195
4883	420628.54	3740262	8.99E-04	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-04	2.24E-03	0.00E+00	0.00E+00	1.13E-04	2.19E-04	0.00E+00	0.00E+00	420628.5	3740262	0.00224	0	0.00224	0.000219328
4884	420623.25	3740279	9.18E-04	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-04	2.29E-03	0.00E+00	0.00E+00	1.15E-04	2.24E-04	0.00E+00	0.00E+00	420623.3	3740279	0.002288	0	0.002288	0.000224037
4885	420617.97	3740296	9.31E-04	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	2.32E-03	0.00E+00	0.00E+00	1.17E-04	2.27E-04	0.00E+00	0.00E+00	420618	3740296	0.00232	0	0.00232	0.00022719
4886	420612.69	3740313	9.46E-04	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-04	2.36E-03	0.00E+00	0.00E+00	1.19E-04	2.31E-04	0.00E+00	0.00E+00	420612.7	3740313	0.002359	0	0.002359	0.00023096
4887	420607.4	3740330	9.51E-04	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-04	2.37E-03	0.00E+00	0.00E+00	1.20E-04	2.32E-04	0.00E+00	0.00E+00	420607.4	3740330	0.00237	0	0.00237	0.000232047
4888	420595.08	3740352	9.67E-04	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04	2.41E-03	0.00E+00	0.00E+00	1.22E-04	2.36E-04	0.00E+00	0.00E+00	420595.1	3740352	0.002411	0	0.002411	0.000236101
4889	420581.02	3740363	9.97E-04	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-04	2.49E-03	0.00E+00	0.00E+00	1.25E-04	2.43E-04	0.00E+00	0.00E+00	420581	3740363	0.002485	0	0.002485	0.000243347
4890	420566.95	3740373	1.02E-03	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.54E-03	0.00E+00	0.00E+00	1.28E-04	2.49E-04	0.00E+00	0.00E+00	420567	3740373	0.002544	0	0.002544	0.000249075
4891	420552.88	3740384	1.05E-03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.61E-03	0.00E+00	0.00E+00	1.32E-04	2.55E-04	0.00E+00	0.00E+00	420552.9	3740384	0.002607	0	0.002607	0.000255225
4892	420538.81	3740395	1.07E-03	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.66E-03	0.00E+00	0.00E+00	1.34E-04	2.61E-04	0.00E+00	0.00E+00	420538.8	3740395	0.002661	0	0.002661	0.000260551
4893	420524.74	3740405	1.08E-03	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.70E-03	0.00E+00	0.00E+00	1.36E-04	2.65E-04	0.00E+00	0.00E+00	420524.7	3740405	0.002703	0	0.002703	0.000264693
4894	420510.67	3740416	1.10E-03	2.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.74E-03	0.00E+00	0.00E+00	1.38E-04	2.68E-04	0.00E+00	0.00E+00	420510.7	3740416	0.002736	0	0.002736	0.000267934
4895	420496.61	3740427	1.11E-03	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.76E-03	0.00E+00	0.00E+00	1.39E-04	2.70E-04	0.00E+00	0.00E+00	420496.6	3740427	0.002757	0	0.002757	0.000269991
4896	420482.54	3740437	1.11E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.77E-03	0.00E+00	0.00E+00	1.40E-04	2.71E-04	0.00E+00	0.00E+00	420482.5	3740437	0.002768	0	0.002768	0.000271068
4897	420468.47	3740448	1.11E-03	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.77E-03	0.00E+00	0.00E+00	1.40E-04	2.71E-04	0.00E+00	0.00E+00	420468.5	3740448	0.002767	0	0.002767	0.000270921
4898	420454.4	3740459	1.10E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	2.75E-03	0.00E+00	0.00E+00	1.39E-04	2.69E-04	0.00E+00	0.00E+00	420454.4	3740459	0.002752	0	0.002752	0.000269432
4899	420440.33	3740469	1.09E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.72E-03	0.00E+00	0.00E+00	1.37E-04	2.67E-04	0.00E+00	0.00E+00	420440.3	3740469	0.002724	0	0.002724	0.00026674
4900	420426.26	3740480	1.08E-03	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.68E-03	0.00E+00	0.00E+00	1.35E-04	2.63E-04	0.00E+00	0.00E+00	420426.3	3740480	0.002683	0	0.002683	0.000262705
4901	420412.2	3740491	1.05E-03	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.63E-03	0.00E+00	0.00E+00	1.33E-04	2.57E-04	0.00E+00	0.00E+00	420412.2	3740491	0.002627	0	0.002627	0.000257202
4902	420398.13	3740502	1.03E-03	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	2.56E-03	0.00E+00	0.00E+00	1.29E-04	2.50E-04	0.00E+00	0.00E+00	420398.1	3740502	0.002556	0	0.002556	0.00025024
4903	420384.06	3740512	9.92E-04	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	2.47E-03	0.00E+00	0.00E+00	1.25E-04	2.42E-04	0.00E+00	0.00E+00	420384.1	3740512	0.002473	0	0.002473	0.000242133
4904	420689.26	3740059	4.66E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	1.16E-03	0.00E+00	0.00E+00	5.86E-05	1.14E-04	0.00E+00	0.00E+00	420689.3	3740059	0.001162	0	0.001162	0.000113752
4905	420689.22	3740050	4.53E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	1.13E-03	0.00E+00	0.00E+00	5.70E-05	1.11E-04	0.00E+00	0.00E+00	420689.2	3740050	0.00113	0	0.00113	0.000110677
4906	420689.17	3740041	4.41E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	1.10E-03	0.00E+00	0.00E+00	5.55E-05	1.08E-04	0.00E+00	0.00E+00	420689.2	3740041	0.001099	0	0.001099	0.000107632
4907	420689.13	3740032	4.27E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	1.06E-03	0.00E+00	0.00E+00	5.37E-05	1.04E-04	0.00E+00	0.00E+00	420689.1	3740032	0.001064	0	0.001064	0.000104224
4908	420689.08	3740023	4.13E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	1.03E-03	0.00E+00	0.00E+00	5.20E-05	1.01E-04	0.00E+00	0.00E+00	420689.1	3740023	0.00103	0	0.00103	0.000100836
4909	420689.04	3740014	4.00E-04	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-04	9.96E-04	0.00E+00	0.00E+00	5.03E-05	9.75E-05	0.00E+00	0.00E+00	420689	3740014	0.000996	0	0.000996	9.75258E-05
4910	420716.66	3740077	4.55E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	1.13E-03	0.00E+00	0.00E+00	5.72E-05	1.11E-04	0.00E+00	0.00E+00	420716.7	3740077	0.001133	0	0.001133	0.000110922
4911	420711.36	3740093	4.82E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	1.20E-03	0.00E+00	0.00E+00	6.07E-05	1.18E-04	0.00E+00	0.00E+00	420711.4	3740093	0.001202	0	0.001202	0.000117698
4912	420706.07	3740110	5.15E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	1.28E-03	0.00E+00	0.00E+00	6.48E-05	1.26E-04	0.00E+00	0.00E+00	420706.1	3740110	0.001284	0	0.001284	0.000125718
4913	420700.78	3740127	5.51E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	1.37E-03	0.00E+00	0.00E+00	6.93E-05	1.35E-04	0.00E+00	0.00E+00	420700.8	3740127	0.001374	0	0.001374	0.00013453
4914	420695.48	3740144	5.91E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	1.47E-03	0.00E+00	0.00E+00	7.44E-05	1.44E-04	0.00E+00	0.00E+00	420695.5	3740144	0.001474	0	0.001474	0.000144322
4915	420690.19	3740161	6.32E-04	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	1.57E-03	0.00E+00	0.00E+00	7.95E-05	1.54E-04	0.00E+00	0.00E+00	420690.2	3740161	0.001575	0	0.001575	0.000154182
4916	420684.9	3740178	6.69E-04	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	1.67E-03	0.00E+00	0.00E+00	8.41E-05	1.63E-04	0.00E+00	0.00E+00	420684.9	3740178	0.001668	0	0.001668	0.000163279
4917	420679.6	3740195	7.04E-04	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	1.75E-03	0.00E+00	0.00E+00	8.85E-05	1.72E-04	0.00E+00	0.00E+00	420679.6	3740195	0.001754	0	0.001754	0.000171769
4918	420674.31	3740212	7.36E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	1.83E-03	0.00E+00	0.00E+00	9.25E-05	1.80E-04	0.00E+00	0.00E+00	420674.3	3740212	0.001834	0	0.001834	0.000179573
4919	420669.02	3740229	7.65E-04	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	1.91E-03	0.00E+00	0.00E+00	9.63E-05	1.87E-04	0.00E+00	0.00E+00	420669	3740229	0.001908	0	0.001908	0.000186809
4920	420663.72	3740246	7.92E-04	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	1.97E-03	0.00E+00	0.00E+00	9.96E-05	1.93E-04	0.00E+00	0.00E+00	420663.7	3740246	0.001974	0	0.001974	0.000193291
4921	420658.43	3740262	8.08E-04	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	2.01E-03	0.00E+00	0.00E+00	1.02E-04	1.97E-04	0.00E+00	0.00E+00	420658.4	3740262	0.002013	0	0.002013	0.000197139
4922	420653.14	3740279	8.27E-04	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	2.06E-03	0.00E+00	0.00E+00	1.04E-04	2.02E-04	0.00E+00	0.00E+00	420653.1	3740279	0.002062	0	0.002062	0.000201947
4923	420619.62	3740369	8.80E-04	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04	2.19E-03	0.00E+00	0.00E+00	1.11E-04	2.15E-04	0.00E+00	0.00E+00	420619.6	3740369	0.002194	0	0.002194	0.000214794
4924	420605.53	3740380	9.08E-04	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	2.26E-03	0.00E+00	0.00E+00	1.14E-04	2.22E-04	0.00E+00	0.00E+00	420605.5	3740380	0.002263	0	0.002263	0.000221629
4925	420591.43	3740391	9.30E-04	2.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-04	2.32E-03	0.00E+00	0.00E+00	1.17E-04	2.27E-04	0.00E+00	0.00E+00	420591.4	3740391	0.002319	0	0.002319	0.000227073
4926	420577.34	3740401	9.52E-04	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E

4995	420739.48	3740195	5.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.42E-03	0.00E+00	0.00E+00	7.18E-05	1.39E-04	0.00E+00	0.00E+00	420739.5	3740195	0.001423	0	0.001423	0.000139289
4996	420734.17	3740212	5.98E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	1.49E-03	0.00E+00	0.00E+00	7.52E-05	1.46E-04	0.00E+00	0.00E+00	420734.2	3740212	0.001491	0	0.001491	0.000145957
4997	420728.86	3740229	6.24E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	1.55E-03	0.00E+00	0.00E+00	7.84E-05	1.52E-04	0.00E+00	0.00E+00	420728.9	3740229	0.001554	0	0.001554	0.000152175
4998	420723.55	3740246	6.47E-04	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	1.61E-03	0.00E+00	0.00E+00	8.14E-05	1.58E-04	0.00E+00	0.00E+00	420723.6	3740246	0.001613	0	0.001613	0.000157913
4999	420718.24	3740263	6.68E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	1.66E-03	0.00E+00	0.00E+00	8.40E-05	1.63E-04	0.00E+00	0.00E+00	420718.2	3740263	0.001665	0	0.001665	0.000162985
5000	420712.93	3740280	6.86E-04	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	1.71E-03	0.00E+00	0.00E+00	8.63E-05	1.67E-04	0.00E+00	0.00E+00	420712.9	3740280	0.00171	0	0.00171	0.000167401
5001	420707.63	3740297	6.95E-04	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	1.73E-03	0.00E+00	0.00E+00	8.74E-05	1.70E-04	0.00E+00	0.00E+00	420707.6	3740297	0.001732	0	0.001732	0.000169565
5002	420702.32	3740314	7.08E-04	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	1.77E-03	0.00E+00	0.00E+00	8.91E-05	1.73E-04	0.00E+00	0.00E+00	420702.3	3740314	0.001766	0	0.001766	0.000172875
5003	420697.01	3740330	7.19E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	1.79E-03	0.00E+00	0.00E+00	9.04E-05	1.75E-04	0.00E+00	0.00E+00	420697	3740330	0.001791	0	0.001791	0.000175411
5004	420691.7	3740347	7.26E-04	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	1.81E-03	0.00E+00	0.00E+00	9.13E-05	1.77E-04	0.00E+00	0.00E+00	420691.7	3740347	0.00181	0	0.00181	0.000177262
5005	420686.39	3740364	7.31E-04	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	1.82E-03	0.00E+00	0.00E+00	9.19E-05	1.78E-04	0.00E+00	0.00E+00	420686.4	3740364	0.001821	0	0.001821	0.000178339
5006	420681.08	3740381	7.33E-04	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	1.83E-03	0.00E+00	0.00E+00	9.22E-05	1.79E-04	0.00E+00	0.00E+00	420681.1	3740381	0.001827	0	0.001827	0.000178926
5007	420668.7	3740404	7.46E-04	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	1.86E-03	0.00E+00	0.00E+00	9.39E-05	1.82E-04	0.00E+00	0.00E+00	420668.7	3740404	0.001861	0	0.001861	0.000182187
5008	420654.56	3740414	7.64E-04	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.90E-03	0.00E+00	0.00E+00	9.61E-05	1.87E-04	0.00E+00	0.00E+00	420654.6	3740414	0.001905	0	0.001905	0.000186525
5009	420626.29	3740436	7.96E-04	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	1.98E-03	0.00E+00	0.00E+00	1.00E-04	1.94E-04	0.00E+00	0.00E+00	420626.3	3740436	0.001985	0	0.001985	0.000194319
5010	420612.16	3740447	8.10E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	2.02E-03	0.00E+00	0.00E+00	1.02E-04	1.98E-04	0.00E+00	0.00E+00	420612.2	3740447	0.00202	0	0.00202	0.000197746
5011	420598.02	3740457	8.23E-04	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	2.05E-03	0.00E+00	0.00E+00	1.03E-04	2.01E-04	0.00E+00	0.00E+00	420598	3740457	0.002051	0	0.002051	0.000200801
5012	420583.89	3740468	8.35E-04	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	2.08E-03	0.00E+00	0.00E+00	1.05E-04	2.04E-04	0.00E+00	0.00E+00	420583.9	3740468	0.00208	0	0.00208	0.00020367
5013	420569.75	3740479	8.41E-04	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	2.10E-03	0.00E+00	0.00E+00	1.06E-04	2.05E-04	0.00E+00	0.00E+00	420569.8	3740479	0.002096	0	0.002096	0.000205227
5014	420555.61	3740490	8.47E-04	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	2.11E-03	0.00E+00	0.00E+00	1.07E-04	2.07E-04	0.00E+00	0.00E+00	420555.6	3740490	0.002111	0	0.002111	0.000206716
5015	420541.48	3740500	8.50E-04	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	2.12E-03	0.00E+00	0.00E+00	1.07E-04	2.07E-04	0.00E+00	0.00E+00	420541.5	3740500	0.002118	0	0.002118	0.000207421
5016	420527.34	3740511	8.49E-04	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	2.12E-03	0.00E+00	0.00E+00	1.07E-04	2.07E-04	0.00E+00	0.00E+00	420527.3	3740511	0.002116	0	0.002116	0.000207215
5017	420513.21	3740522	8.45E-04	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	2.11E-03	0.00E+00	0.00E+00	1.06E-04	2.06E-04	0.00E+00	0.00E+00	420513.2	3740522	0.002107	0	0.002107	0.000206304
5018	420499.07	3740533	8.40E-04	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04	2.09E-03	0.00E+00	0.00E+00	1.06E-04	2.05E-04	0.00E+00	0.00E+00	420499.1	3740533	0.002095	0	0.002095	0.0002051
5019	420484.93	3740543	8.33E-04	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	2.08E-03	0.00E+00	0.00E+00	1.05E-04	2.03E-04	0.00E+00	0.00E+00	420484.9	3740543	0.002075	0	0.002075	0.0002032
5020	420470.8	3740554	8.21E-04	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	2.05E-03	0.00E+00	0.00E+00	1.03E-04	2.00E-04	0.00E+00	0.00E+00	420470.8	3740554	0.002046	0	0.002046	0.000200361
5021	420456.66	3740565	8.05E-04	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	2.01E-03	0.00E+00	0.00E+00	1.01E-04	1.97E-04	0.00E+00	0.00E+00	420456.7	3740565	0.002007	0	0.002007	0.000196522
5022	420414.25	3740597	7.40E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-04	1.84E-03	0.00E+00	0.00E+00	9.31E-05	1.81E-04	0.00E+00	0.00E+00	420414.3	3740597	0.001845	0	0.001845	0.00018065
5023	420779.26	3740059	3.60E-04	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.97E-04	0.00E+00	0.00E+00	4.53E-05	8.78E-05	0.00E+00	0.00E+00	420779.3	3740059	0.000897	0	0.000897	8.78407E-05
5024	420779.21	3740050	3.51E-04	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.74E-04	0.00E+00	0.00E+00	4.41E-05	8.56E-05	0.00E+00	0.00E+00	420779.2	3740050	0.000874	0	0.000874	8.56209E-05
5025	420779.17	3740041	3.49E-04	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	8.69E-04	0.00E+00	0.00E+00	4.38E-05	8.51E-05	0.00E+00	0.00E+00	420779.2	3740041	0.000869	0	0.000869	8.50559E-05
5026	420779.08	3740023	3.30E-04	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	8.22E-04	0.00E+00	0.00E+00	4.15E-05	8.05E-05	0.00E+00	0.00E+00	420779.1	3740023	0.000822	0	0.000822	8.0533E-05
5027	420779.04	3740014	3.21E-04	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	8.00E-04	0.00E+00	0.00E+00	4.04E-05	7.83E-05	0.00E+00	0.00E+00	420779	3740014	0.0008	0	0.0008	7.83201E-05
5028	420778.99	3740005	3.12E-04	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	7.78E-04	0.00E+00	0.00E+00	3.93E-05	7.62E-05	0.00E+00	0.00E+00	420779	3740005	0.000778	0	0.000778	7.61747E-05
5029	420806.64	3740076	3.49E-04	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	8.71E-04	0.00E+00	0.00E+00	4.39E-05	8.53E-05	0.00E+00	0.00E+00	420806.6	3740076	0.000871	0	0.000871	8.52517E-05
5030	420801.33	3740093	3.68E-04	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	9.17E-04	0.00E+00	0.00E+00	4.63E-05	8.98E-05	0.00E+00	0.00E+00	420801.3	3740093	0.000917	0	0.000917	8.97961E-05
5031	420796.01	3740110	3.88E-04	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	9.67E-04	0.00E+00	0.00E+00	4.88E-05	9.46E-05	0.00E+00	0.00E+00	420796	3740110	0.000967	0	0.000967	9.4647E-05
5032	420790.7	3740127	4.09E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.02E-03	0.00E+00	0.00E+00	5.14E-05	9.97E-05	0.00E+00	0.00E+00	420790.7	3740127	0.001019	0	0.001019	9.97398E-05
5033	420785.38	3740144	4.33E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	1.08E-03	0.00E+00	0.00E+00	5.45E-05	1.06E-04	0.00E+00	0.00E+00	420785.4	3740144	0.001079	0	0.001079	0.000105693
5034	420780.06	3740161	4.59E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	1.14E-03	0.00E+00	0.00E+00	5.77E-05	1.12E-04	0.00E+00	0.00E+00	420780.1	3740161	0.001144	0	0.001144	0.00011198
5035	420774.75	3740178	4.89E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	1.22E-03	0.00E+00	0.00E+00	6.15E-05	1.19E-04	0.00E+00	0.00E+00	420774.8	3740178	0.001218	0	0.001218	0.000119304
5036	420769.43	3740195	5.17E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	1.29E-03	0.00E+00	0.00E+00	6.50E-05	1.26E-04	0.00E+00	0.00E+00	420769.4	3740195	0.001289	0	0.001289	0.000126188
5037	420764.11	3740212	5.43E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	1.35E-03	0.00E+00	0.00E+00	6.83E-05	1.33E-04	0.00E+00	0.00E+00	420764.1	3740212	0.001354	0	0.001354	0.000132572
5038	420758.8	3740229	5.67E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	1.41E-03	0.00E+00	0.00E+00	7.13E-05	1.38E-04	0.00E+00	0.00E+00	420758.8	3740229	0.001413	0	0.001413	0.000138339
5039	420753.48	3740246	5.88E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.47E-03	0.00E+00	0.00E+00	7.40E-05	1.44E-04	0.00E+00	0.00E+00	420753.5	3740246	0.001466	0	0.001466	0.000143529
5040	420748.17	3740263	6.07E-04	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.51E-03	0.00E+00	0.00E+00	7.64E-05	1.48E-04	0.00E+00	0.00E+00	420748.2	3740263	0.001514	0	0.001514	0.000148249
5041	420742.85	3740280	6.25E-04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	1.56E-03	0.00E+00	0.00E+00	7.86E-05	1.53E-04	0.00E+00	0.00E+00	420742.9	3740280	0.001558	0	0.001558	0.000152508
5042	420737.53	3740297	6.40E-04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	1.60E-03	0.00E+00	0.00E+00	8.05E-05	1.56E-04	0.00E+00	0.00E+00	420737.5	3740297	0.001596	0	0.001596	0.000156258
5043	420732.22	3740314	6.53E-04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	1.63E-03	0.00E+00	0.00E+00	8.22E-05	1.59E-04	0.00E+00	0.00E+00	420732.2	3740314	0.001628	0	0.001628	0.000159431
5044	420726.9	3740331	6.64E-04	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.65E-03	0.00E+00	0.00E+00	8.35E-05	1.62E-04	0.00E+00	0.00E+00	420726.9	3740331	0.001654	0	0.001654	0.000161987
5045	420721.58	3740348	6.66E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	1.66E-03	0.00E+00	0.00E+00	8.38E-05	1.63E-04	0.00E+00	0.00E+00	420721.6	3740348	0.001661	0	0.001661	0.000162603
5046	420716.27	3740365	6.73E-04	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.68E-03	0.00E+00	0.00E+00	8.46E-05	1.64E-04	0.00E+00	0.00E+00	420716.3	3740365	0.001676	0	0.001676	0.000164131
5047	420710.95	3740382	6.81E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	1.70E-03	0.00E+00	0.00E+00	8.56E-05	1.66E-04	0.00E+00	0.00E+00	420711	3740382	0.001696	0	0.001696	0.000166109
5048	420705.64	3740399	6.82E-04	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	1.70E-03	0.00E+00	0.00E+00	8.57E-05	1.66E-04	0.00E+00	0.00E+00	420705.6	3740399	0.001699	0	0.001699	0.000166373
5049	420693.24	3740421	6.89E-04	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	1.72E-03	0.00E+00	0.00E+00	8.67E-05	1.68E-04	0.00E+00	0.00E+00	420693.2	3740421	0.001717	0	0.001717	0.000168146
5050	420679.09	3740432	7.05E-04	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	1.76E-03	0.00E+00	0.00E+00	8.86E-05	1.72E-04	0.00E+00	0.00E+00	420679.1	3740432	0.001757	0	0.001757	0.000172023
5051	420664.93	3740442	7.20E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.79E-03	0.00E+00	0.00E+00	9.05E-05	1.76E-04	0.00E+00	0.00E+00	420664.9	3740442	0.001794	0	0.001794	0.000175695
5052	420622.47	3740475	7.58E-04	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	1.89E-03	0.00E+00	0.00E+00	9.54E-05	1.85E-04	0.00E+00	0.00E+00	420622.5	3740475	0.00189	0	0.00189	0.000185095
5053	420608.32	3740485	7.69E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	1.92E-03	0.00E+00	0.00E+00	9.67E-05	1.88E-04	0.00E+00	0.00E+00	420608.3	3740485	0.001916	0	0.001916	0.000187582
5054	420594.16	3740496	7.75E-04	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	1.93E-03	0.00E+00	0.00E+00	9.74E-05	1.89E-04	0.00E+00	0.00E+00	420594.2	3740496	0.001931	0	0.001931	0.000189061
5055	420580.01	3740507	7.81E-04	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	1.95E-03	0.00E+00	0.00E+00	9.82E-05	1.90E-04	0.00E+00	0.00E+00	420580	3740507	0.001945	0	0.001945	0.000190491
5056	420565.86	3740518	7.84E-04	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.95E-03	0.00E+00	0.00E+00	9.86E-05	1.91E-04	0.00E+00	0.00E+00	420565.9	3740518	0.001954	0	0.001954	0.000191333
5057	420551.7	3740528	7.85E-04	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.96E-03	0.00E+00	0.00E+00	9.87E-05	1.91E-04	0.00E+00	0.00E+00	420551.7	3740528	0.001955	0	0.001955	0.00019147
5058	420537.55	3740539	7.83E-04	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	1.95E-03	0.00E+00	0.00E+00	9.84E-05	1.91E-04	0.00E+00	0.00E+00	420537.6	3740539	0.001951	0	0.001951	0.000191019
5059	420523.39	3740550	7.79E-04	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.94E-03	0.00E+00	0.00E+00	9.80E-05	1.90E-04	0.00E+00	0.00E+00	420523.4	3740550	0.001941	0	0.001941	0.000190079
5060	420509.24	3740561	7.72E-04	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	1.92E-03	0.00E+00	0.00E+00	9.71E-05	1.88E-04	0.00E+00	0.00E+00	420509.2	3740561	0.001924	0	0.001924	0.000188385
5061	420466.78	3740593	7.37E-04	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	1.84E-03	0.00E+00	0.00E+00	9.27E-05	1.80E-04	0.00E+00	0.00E+00	420466.8	3740593	0.001837	0	0.001837	0.000179847
5062	420452.62	3740604	7.20E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.79E-03	0.00E+00	0.00E+00	9.05E-05	1.76E-04	0.00E+00	0.00E+00	420452.6	3740604	0.001794	0	0.001794	0.000175656
5063	420438.47	3740615	7.00E-04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	1.74E-03	0.00E+00	0.00E+00	8.80E-05	1.71E-04	0.00E+00	0.00E+00	420438.5	3740615	0.001745	0	0.001745	0.000170829
5064	420424.32	3740625	6.79E-04	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	1.69E-03	0.00E+00	0.00E+00	8.53E-05	1.66E-04	0.00E+00	0.00E+00	420424.3	3740625	0.001691	0	0.001691	0.00016559
5065	420809.26	3740059	3.31E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.25E-04	0.00E+00	0.00E+00	4.16E-05	8.08E-05	0.00E+00	0.00E+00	420809.3	3740059	0.000825	0	0.000825	8.0772E-05
5066	420809.21	3740050	3.22E-04	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	8.03E-04	0.00E+00	0.00E+00	4.05E-05	7.87E-05	0.00E+00	0.00E+00	420809.2	3740050	0.000803	0	0.000803	7.86677E-05
5067	420809.17	3740041	3.14E-04	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	7.82E-04	0.00E+00	0.00E+00	3.95E-05	7.66E-05	0.00E+00	0.00E+00	420809.2	3740041	0.000782	0	0.000782	7.65918E-05
5068	420809.13	3740032	3.06E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.63E-04	0.00E+00	0.00E+00	3.85E-05	7.47E-05	0.00E+00	0.00E+00	420809.1	3740032	0.000763	0	0.000763	7.46756E-05
5069	420809.08	3740023	2.98E-04	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	7.44E-04	0.00E+00	0.00E+00	3.75E-05	7.28E-05	0.00E+00	0.00E+00	420809.1	3740023	0.000744	0	0.000744	7.28073E-05
5070	420809.04	3740014	2.91E-04	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.25E-04	0.00E+00	0.00E+00	3.66E-05	7.10E-05	0.00E+00	0.00E+00	420809	3740014	0.000725	0	0.000725	7.09811E-05
5071	420808.99	3740005	2.90E-04	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.22E-04	0.00E+00	0.00E+00	3.64E-05	7.07E-05	0.00E+00	0.00E+00	420809	3740005	0.000722	0	0.000722	7.06903E-05
5072	420820.24	3740160	4.08E-04	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	1.02E-03	0.00E+00	0.00E+00	5.13E-05	9.95E-05	0.00E+00	0.00E+00	420820.2	3740160	0.001017	0	0.001017	9.95439E-05
5073	420814.96	3740177	4.34E-04	1.08E-03	0.00E+00	0.00E+00	0.00E

5142	420486.98	3740673	5.86E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	1.46E-03	0.00E+00	0.00E+00	7.37E-05	1.43E-04	0.00E+00	0.00E+00	420487	3740673	0.00146	0	0.00146	0.000142932
5143	420472.69	3740684	5.71E-04	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.42E-03	0.00E+00	0.00E+00	7.18E-05	1.39E-04	0.00E+00	0.00E+00	420472.7	3740684	0.001423	0	0.001423	0.000139367
5144	420465.54	3740690	5.63E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	1.40E-03	0.00E+00	0.00E+00	7.08E-05	1.37E-04	0.00E+00	0.00E+00	420465.5	3740690	0.001404	0	0.001404	0.000137458
5145	420451.24	3740701	5.46E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.36E-03	0.00E+00	0.00E+00	6.87E-05	1.33E-04	0.00E+00	0.00E+00	420451.2	3740701	0.001362	0	0.001362	0.000133375
5146	420444.09	3740706	5.38E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	1.34E-03	0.00E+00	0.00E+00	6.77E-05	1.31E-04	0.00E+00	0.00E+00	420444.1	3740706	0.001341	0	0.001341	0.000131279
5147	420825.21	3740399	5.08E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	1.27E-03	0.00E+00	0.00E+00	6.39E-05	1.24E-04	0.00E+00	0.00E+00	420825.2	3740399	0.001267	0	0.001267	0.000124024
5148	420819.87	3740416	5.11E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	1.27E-03	0.00E+00	0.00E+00	6.43E-05	1.25E-04	0.00E+00	0.00E+00	420819.9	3740416	0.001275	0	0.001275	0.000124817
5149	420814.54	3740433	5.13E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	1.28E-03	0.00E+00	0.00E+00	6.45E-05	1.25E-04	0.00E+00	0.00E+00	420814.5	3740433	0.001279	0	0.001279	0.000125228
5150	420809.2	3740450	5.13E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	1.28E-03	0.00E+00	0.00E+00	6.45E-05	1.25E-04	0.00E+00	0.00E+00	420809.2	3740450	0.001279	0	0.001279	0.000125257
5151	420803.86	3740467	5.12E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	1.28E-03	0.00E+00	0.00E+00	6.44E-05	1.25E-04	0.00E+00	0.00E+00	420803.9	3740467	0.001276	0	0.001276	0.000124915
5152	420791.42	3740490	5.14E-04	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	1.28E-03	0.00E+00	0.00E+00	6.47E-05	1.26E-04	0.00E+00	0.00E+00	420791.4	3740490	0.001282	0	0.001282	0.000125551
5153	420777.2	3740501	5.24E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	1.31E-03	0.00E+00	0.00E+00	6.59E-05	1.28E-04	0.00E+00	0.00E+00	420777.2	3740501	0.001307	0	0.001307	0.00012795
5154	420762.99	3740511	5.34E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	1.33E-03	0.00E+00	0.00E+00	6.71E-05	1.30E-04	0.00E+00	0.00E+00	420763	3740511	0.00133	0	0.00133	0.000130241
5155	420748.78	3740522	5.42E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	1.35E-03	0.00E+00	0.00E+00	6.81E-05	1.32E-04	0.00E+00	0.00E+00	420748.8	3740522	0.00135	0	0.00135	0.00013217
5156	420734.57	3740533	5.49E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	1.37E-03	0.00E+00	0.00E+00	6.90E-05	1.34E-04	0.00E+00	0.00E+00	420734.6	3740533	0.001368	0	0.001368	0.000133943
5157	420720.36	3740544	5.57E-04	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	1.39E-03	0.00E+00	0.00E+00	7.01E-05	1.36E-04	0.00E+00	0.00E+00	420720.4	3740544	0.001389	0	0.001389	0.000135989
5158	420706.14	3740555	5.65E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	1.41E-03	0.00E+00	0.00E+00	7.11E-05	1.38E-04	0.00E+00	0.00E+00	420706.1	3740555	0.001409	0	0.001409	0.000137948
5159	420691.93	3740565	5.73E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	1.43E-03	0.00E+00	0.00E+00	7.21E-05	1.40E-04	0.00E+00	0.00E+00	420691.9	3740565	0.001428	0	0.001428	0.000139847
5160	420620.87	3740619	5.88E-04	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.47E-03	0.00E+00	0.00E+00	7.39E-05	1.43E-04	0.00E+00	0.00E+00	420620.9	3740619	0.001465	0	0.001465	0.00014347
5161	420606.66	3740630	5.85E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.46E-03	0.00E+00	0.00E+00	7.36E-05	1.43E-04	0.00E+00	0.00E+00	420606.7	3740630	0.001459	0	0.001459	0.000142853
5162	420592.45	3740641	5.83E-04	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	1.45E-03	0.00E+00	0.00E+00	7.33E-05	1.42E-04	0.00E+00	0.00E+00	420592.5	3740641	0.001452	0	0.001452	0.000142197
5163	420578.24	3740652	5.80E-04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	1.44E-03	0.00E+00	0.00E+00	7.29E-05	1.41E-04	0.00E+00	0.00E+00	420578.2	3740652	0.001445	0	0.001445	0.000141482
5164	420564.03	3740663	5.74E-04	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	1.43E-03	0.00E+00	0.00E+00	7.22E-05	1.40E-04	0.00E+00	0.00E+00	420564	3740663	0.001431	0	0.001431	0.000140151
5165	420549.81	3740673	5.68E-04	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	1.41E-03	0.00E+00	0.00E+00	7.14E-05	1.39E-04	0.00E+00	0.00E+00	420549.8	3740673	0.001415	0	0.001415	0.000138506
5166	420535.6	3740684	5.60E-04	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.40E-03	0.00E+00	0.00E+00	7.04E-05	1.37E-04	0.00E+00	0.00E+00	420535.6	3740684	0.001395	0	0.001395	0.000136596
5167	420521.39	3740695	5.47E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.36E-03	0.00E+00	0.00E+00	6.88E-05	1.34E-04	0.00E+00	0.00E+00	420521.4	3740695	0.001364	0	0.001364	0.000133512
5168	420514.28	3740701	5.42E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	1.35E-03	0.00E+00	0.00E+00	6.81E-05	1.32E-04	0.00E+00	0.00E+00	420514.3	3740701	0.00135	0	0.00135	0.000132219
5169	420500.07	3740711	5.30E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	1.32E-03	0.00E+00	0.00E+00	6.67E-05	1.29E-04	0.00E+00	0.00E+00	420500.1	3740711	0.001321	0	0.001321	0.000129341
5170	420485.86	3740722	5.17E-04	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	1.29E-03	0.00E+00	0.00E+00	6.50E-05	1.26E-04	0.00E+00	0.00E+00	420485.9	3740722	0.001289	0	0.001289	0.000126217
5171	420478.76	3740728	5.10E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	1.27E-03	0.00E+00	0.00E+00	6.42E-05	1.25E-04	0.00E+00	0.00E+00	420478.8	3740728	0.001272	0	0.001272	0.000124562
5172	420464.54	3740738	4.96E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	1.24E-03	0.00E+00	0.00E+00	6.24E-05	1.21E-04	0.00E+00	0.00E+00	420464.5	3740738	0.001236	0	0.001236	0.000121008
5173	420824.19	3740513	4.71E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	1.17E-03	0.00E+00	0.00E+00	5.93E-05	1.15E-04	0.00E+00	0.00E+00	420824.2	3740513	0.001174	0	0.001174	0.000114986
5174	420810.05	3740524	4.79E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	1.19E-03	0.00E+00	0.00E+00	6.02E-05	1.17E-04	0.00E+00	0.00E+00	420810.1	3740524	0.001194	0	0.001194	0.000116866
5175	420795.92	3740534	4.86E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	1.21E-03	0.00E+00	0.00E+00	6.12E-05	1.19E-04	0.00E+00	0.00E+00	420795.9	3740534	0.001212	0	0.001212	0.000118707
5176	420781.78	3740545	4.93E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	1.23E-03	0.00E+00	0.00E+00	6.20E-05	1.20E-04	0.00E+00	0.00E+00	420781.8	3740545	0.001228	0	0.001228	0.000120224
5177	420767.64	3740556	4.98E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	1.24E-03	0.00E+00	0.00E+00	6.27E-05	1.22E-04	0.00E+00	0.00E+00	420767.6	3740556	0.001242	0	0.001242	0.000121615
5178	420711.1	3740599	5.28E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	1.32E-03	0.00E+00	0.00E+00	6.65E-05	1.29E-04	0.00E+00	0.00E+00	420711.1	3740599	0.001317	0	0.001317	0.000128968
5179	420696.96	3740610	5.34E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	1.33E-03	0.00E+00	0.00E+00	6.72E-05	1.30E-04	0.00E+00	0.00E+00	420697	3740610	0.001332	0	0.001332	0.000130378
5180	420682.83	3740620	5.38E-04	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	1.34E-03	0.00E+00	0.00E+00	6.77E-05	1.31E-04	0.00E+00	0.00E+00	420682.8	3740620	0.001341	0	0.001341	0.000131318
5181	420668.69	3740631	5.40E-04	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-04	1.35E-03	0.00E+00	0.00E+00	6.79E-05	1.32E-04	0.00E+00	0.00E+00	420668.7	3740631	0.001346	0	0.001346	0.000131759
5182	420612.15	3740674	5.35E-04	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	1.33E-03	0.00E+00	0.00E+00	6.73E-05	1.31E-04	0.00E+00	0.00E+00	420612.2	3740674	0.001333	0	0.001333	0.000130545
5183	420598.01	3740685	5.31E-04	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	1.32E-03	0.00E+00	0.00E+00	6.68E-05	1.30E-04	0.00E+00	0.00E+00	420598	3740685	0.001325	0	0.001325	0.000129703
5184	420583.88	3740695	5.27E-04	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	1.31E-03	0.00E+00	0.00E+00	6.62E-05	1.29E-04	0.00E+00	0.00E+00	420583.9	3740695	0.001313	0	0.001313	0.000128547
5185	420569.74	3740706	5.21E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	1.30E-03	0.00E+00	0.00E+00	6.55E-05	1.27E-04	0.00E+00	0.00E+00	420569.7	3740706	0.001298	0	0.001298	0.000127069
5186	420555.61	3740717	5.11E-04	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	1.27E-03	0.00E+00	0.00E+00	6.42E-05	1.25E-04	0.00E+00	0.00E+00	420555.6	3740717	0.001273	0	0.001273	0.000124621
5187	420541.47	3740728	5.02E-04	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	1.25E-03	0.00E+00	0.00E+00	6.32E-05	1.23E-04	0.00E+00	0.00E+00	420541.5	3740728	0.001252	0	0.001252	0.000122633
5188	420527.33	3740738	4.93E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	1.23E-03	0.00E+00	0.00E+00	6.20E-05	1.20E-04	0.00E+00	0.00E+00	420527.3	3740738	0.001228	0	0.001228	0.000120224
5189	420513.2	3740749	4.82E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	1.20E-03	0.00E+00	0.00E+00	6.06E-05	1.18E-04	0.00E+00	0.00E+00	420513.2	3740749	0.001201	0	0.001201	0.0001176
5190	420499.06	3740760	4.70E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	1.17E-03	0.00E+00	0.00E+00	5.92E-05	1.15E-04	0.00E+00	0.00E+00	420499.1	3740760	0.001172	0	0.001172	0.0001148
5191	420484.93	3740771	4.58E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	1.14E-03	0.00E+00	0.00E+00	5.76E-05	1.12E-04	0.00E+00	0.00E+00	420484.9	3740771	0.001141	0	0.001141	0.000111764
5192	420828.82	3740557	4.48E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	1.12E-03	0.00E+00	0.00E+00	5.63E-05	1.09E-04	0.00E+00	0.00E+00	420828.8	3740557	0.001116	0	0.001116	0.000109316
5193	420772.55	3740600	4.70E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	1.17E-03	0.00E+00	0.00E+00	5.92E-05	1.15E-04	0.00E+00	0.00E+00	420772.6	3740600	0.001173	0	0.001173	0.000114829
5194	420758.48	3740611	4.75E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	1.18E-03	0.00E+00	0.00E+00	5.98E-05	1.16E-04	0.00E+00	0.00E+00	420758.5	3740611	0.001185	0	0.001185	0.000116024
5195	420744.41	3740621	4.82E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	1.20E-03	0.00E+00	0.00E+00	6.06E-05	1.18E-04	0.00E+00	0.00E+00	420744.4	3740621	0.001201	0	0.001201	0.000117581
5196	420730.34	3740632	4.89E-04	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	1.22E-03	0.00E+00	0.00E+00	6.15E-05	1.19E-04	0.00E+00	0.00E+00	420730.3	3740632	0.001218	0	0.001218	0.000119265
5197	420716.27	3740643	4.93E-04	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	1.23E-03	0.00E+00	0.00E+00	6.21E-05	1.20E-04	0.00E+00	0.00E+00	420716.3	3740643	0.00123	0	0.00123	0.00012044
5198	420702.2	3740653	4.96E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	1.24E-03	0.00E+00	0.00E+00	6.24E-05	1.21E-04	0.00E+00	0.00E+00	420702.2	3740653	0.001237	0	0.001237	0.000121145
5199	420688.14	3740664	4.98E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	1.24E-03	0.00E+00	0.00E+00	6.26E-05	1.21E-04	0.00E+00	0.00E+00	420688.1	3740664	0.00124	0	0.00124	0.000121438
5200	420674.07	3740675	4.98E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	1.24E-03	0.00E+00	0.00E+00	6.26E-05	1.21E-04	0.00E+00	0.00E+00	420674.1	3740675	0.00124	0	0.00124	0.000121429
5201	420660	3740685	4.97E-04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	1.24E-03	0.00E+00	0.00E+00	6.25E-05	1.21E-04	0.00E+00	0.00E+00	420660	3740685	0.001239	0	0.001239	0.00012135
5202	420617.79	3740718	4.87E-04	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	1.21E-03	0.00E+00	0.00E+00	6.13E-05	1.19E-04	0.00E+00	0.00E+00	420617.8	3740718	0.001215	0	0.001215	0.000118951
5203	420603.73	3740728	4.83E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	1.20E-03	0.00E+00	0.00E+00	6.07E-05	1.18E-04	0.00E+00	0.00E+00	420603.7	3740728	0.001203	0	0.001203	0.000117816
5204	420589.66	3740739	4.77E-04	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	1.19E-03	0.00E+00	0.00E+00	6.00E-05	1.16E-04	0.00E+00	0.00E+00	420589.7	3740739	0.001189	0	0.001189	0.000116415
5205	420575.59	3740750	4.70E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	1.17E-03	0.00E+00	0.00E+00	5.91E-05	1.15E-04	0.00E+00	0.00E+00	420575.6	3740750	0.001172	0	0.001172	0.00011478
5206	420561.52	3740760	4.63E-04	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	1.15E-03	0.00E+00	0.00E+00	5.82E-05	1.13E-04	0.00E+00	0.00E+00	420561.5	3740760	0.001153	0	0.001153	0.00011292
5207	420547.45	3740771	4.54E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	1.13E-03	0.00E+00	0.00E+00	5.71E-05	1.11E-04	0.00E+00	0.00E+00	420547.5	3740771	0.001132	0	0.001132	0.000110844
5208	420533.39	3740782	4.45E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	1.11E-03	0.00E+00	0.00E+00	5.60E-05	1.09E-04	0.00E+00	0.00E+00	420533.4	3740782	0.001109	0	0.001109	0.000108572
5209	420519.32	3740792	4.35E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.08E-03	0.00E+00	0.00E+00	5.47E-05	1.06E-04	0.00E+00	0.00E+00	420519.3	3740792	0.001084	0	0.001084	0.000106163
5210	420505.25	3740803	4.24E-04	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.06E-03	0.00E+00	0.00E+00	5.33E-05	1.03E-04	0.00E+00	0.00E+00	420505.3	3740803	0.001057	0	0.001057	0.0001035
5211	420491.18	3740814	4.12E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	1.03E-03	0.00E+00	0.00E+00	5.19E-05	1.01E-04	0.00E+00	0.00E+00	420491.2	3740814	0.001028	0	0.001028	0.00010066
5212	420818.33	3740613	4.32E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	1.08E-03	0.00E+00	0.00E+00	5.43E-05	1.05E-04	0.00E+00	0.00E+00	420818.3	3740613	0.001076	0	0.001076	0.00010539
5213	420811.2	3740618	4.35E-04	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.08E-03	0.00E+00	0.00E+00	5.47E-05	1.06E-04	0.00E+00	0.00E+00	420811.2	3740618	0.001083	0	0.001083	0.000106085
5214	420796.95	3740629	4.39E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	1.10E-03	0.00E+00	0.00E+00	5.53E-05	1.07E-04	0.00E+00	0.00E+00	420797	3740629	0.001095	0	0.001095	0.00010724
5215	420789.82	3740635	4.41E-04	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	1.10E-03	0.00E+00	0.00E+00	5.55E-05	1.08E-04	0.00E+00	0.00E+00	420789.8	3740635	0.0011	0	0.0011	0.00010771
5216	420775.57	3740646	4.45E-04	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	1.11E-03	0.00E+00	0.00E+00	5.60E-05	1.09E-04	0.00E+00	0.00E+00	420775.6	3740646	0.00111	0	0.00111	0.00010868
5217	420768.44	3740651	4.48E-04	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	1.12E-03	0.00E+00	0.00E+00	5.63E-05	1.09E-04	0.00E+00	0.00E+00	420768.4	3740651	0.001116	0	0.001116	0.000109297
5218	420754.19	3740662	4.52E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	1.13E-03	0.00E+00	0.00E+00	5.69E-05	1.10E-04	0.00E+00	0.00E+00	420754.2	3740662	0.001127	0	0.001127	0.000110383
5219	420747.06	3740667	4.54E-04	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	1.13E-03	0.00E+00	0.00E+00	5.71E-05	1.11E-04	0.00E+00	0.00E+00	420747.1	3740667	0.001132	0	0.001132	0.000110883
5220	420732.81	3740678	4.58E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04

5289	420730.66	3740823	3.68E-04	9.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	9.18E-04	0.00E+00	0.00E+00	4.63E-05	8.99E-05	0.00E+00	0.00E+00	420730.7	3740823	0.000918	0	0.000918	8.98764E-05
5290	420723.52	3740829	3.68E-04	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	9.16E-04	0.00E+00	0.00E+00	4.62E-05	8.97E-05	0.00E+00	0.00E+00	420723.5	3740829	0.000916	0	0.000916	8.97198E-05
5291	420709.23	3740840	3.66E-04	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	9.11E-04	0.00E+00	0.00E+00	4.60E-05	8.92E-05	0.00E+00	0.00E+00	420709.2	3740840	0.000911	0	0.000911	8.9236E-05
5292	420702.09	3740845	3.64E-04	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	9.08E-04	0.00E+00	0.00E+00	4.58E-05	8.89E-05	0.00E+00	0.00E+00	420702.1	3740845	0.000908	0	0.000908	8.89305E-05
5293	420694.95	3740850	3.63E-04	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	9.05E-04	0.00E+00	0.00E+00	4.57E-05	8.86E-05	0.00E+00	0.00E+00	420695	3740850	0.000905	0	0.000905	8.85878E-05
5294	420680.66	3740861	3.60E-04	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	8.97E-04	0.00E+00	0.00E+00	4.52E-05	8.78E-05	0.00E+00	0.00E+00	420680.7	3740861	0.000897	0	0.000897	8.77839E-05
5295	420673.52	3740867	3.58E-04	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	8.92E-04	0.00E+00	0.00E+00	4.50E-05	8.73E-05	0.00E+00	0.00E+00	420673.5	3740867	0.000892	0	0.000892	8.73178E-05
5296	420659.23	3740878	3.53E-04	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	8.81E-04	0.00E+00	0.00E+00	4.45E-05	8.63E-05	0.00E+00	0.00E+00	420659.2	3740878	0.000881	0	0.000881	8.62652E-05
5297	420652.09	3740883	3.51E-04	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	8.75E-04	0.00E+00	0.00E+00	4.42E-05	8.57E-05	0.00E+00	0.00E+00	420652.1	3740883	0.000875	0	0.000875	8.56982E-05
5298	420609.24	3740916	3.35E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	8.34E-04	0.00E+00	0.00E+00	4.21E-05	8.17E-05	0.00E+00	0.00E+00	420609.2	3740916	0.000834	0	0.000834	8.16846E-05
5299	420602.1	3740921	3.30E-04	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	8.22E-04	0.00E+00	0.00E+00	4.15E-05	8.05E-05	0.00E+00	0.00E+00	420602.1	3740921	0.000822	0	0.000822	8.04831E-05
5300	420594.95	3740926	3.27E-04	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	8.14E-04	0.00E+00	0.00E+00	4.11E-05	7.97E-05	0.00E+00	0.00E+00	420595	3740926	0.000814	0	0.000814	7.97164E-05
5301	420580.67	3740937	3.20E-04	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	7.97E-04	0.00E+00	0.00E+00	4.02E-05	7.81E-05	0.00E+00	0.00E+00	420580.7	3740937	0.000797	0	0.000797	7.8089E-05
5302	420573.53	3740943	3.16E-04	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	7.89E-04	0.00E+00	0.00E+00	3.98E-05	7.72E-05	0.00E+00	0.00E+00	420573.5	3740943	0.000789	0	0.000789	7.72283E-05
5303	420559.24	3740954	3.09E-04	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	7.70E-04	0.00E+00	0.00E+00	3.89E-05	7.54E-05	0.00E+00	0.00E+00	420559.2	3740954	0.00077	0	0.00077	7.54158E-05
5304	420552.1	3740959	3.05E-04	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	7.61E-04	0.00E+00	0.00E+00	3.84E-05	7.45E-05	0.00E+00	0.00E+00	420552.1	3740959	0.000761	0	0.000761	7.44836E-05
5305	420544.96	3740964	3.01E-04	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	7.51E-04	0.00E+00	0.00E+00	3.79E-05	7.35E-05	0.00E+00	0.00E+00	420545	3740964	0.000751	0	0.000751	7.3527E-05
5306	420828.53	3740797	3.43E-04	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	8.55E-04	0.00E+00	0.00E+00	4.31E-05	8.37E-05	0.00E+00	0.00E+00	420828.5	3740797	0.000855	0	0.000855	8.36939E-05
5307	420821.42	3740802	3.44E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.57E-04	0.00E+00	0.00E+00	4.32E-05	8.39E-05	0.00E+00	0.00E+00	420821.4	3740802	0.000857	0	0.000857	8.38691E-05
5308	420807.2	3740813	3.45E-04	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	8.59E-04	0.00E+00	0.00E+00	4.34E-05	8.41E-05	0.00E+00	0.00E+00	420807.2	3740813	0.000859	0	0.000859	8.41267E-05
5309	420792.97	3740824	3.45E-04	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	8.61E-04	0.00E+00	0.00E+00	4.34E-05	8.43E-05	0.00E+00	0.00E+00	420793	3740824	0.000861	0	0.000861	8.43098E-05
5310	420778.75	3740835	3.46E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	8.62E-04	0.00E+00	0.00E+00	4.35E-05	8.44E-05	0.00E+00	0.00E+00	420778.8	3740835	0.000862	0	0.000862	8.44028E-05
5311	420771.64	3740840	3.46E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	8.62E-04	0.00E+00	0.00E+00	4.35E-05	8.44E-05	0.00E+00	0.00E+00	420771.6	3740840	0.000862	0	0.000862	8.43891E-05
5312	420757.41	3740851	3.45E-04	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	8.60E-04	0.00E+00	0.00E+00	4.34E-05	8.43E-05	0.00E+00	0.00E+00	420757.4	3740851	0.00086	0	0.00086	8.4253E-05
5313	420743.19	3740862	3.44E-04	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.57E-04	0.00E+00	0.00E+00	4.33E-05	8.40E-05	0.00E+00	0.00E+00	420743.2	3740862	0.000857	0	0.000857	8.39612E-05
5314	420728.97	3740872	3.42E-04	8.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	8.53E-04	0.00E+00	0.00E+00	4.30E-05	8.35E-05	0.00E+00	0.00E+00	420729	3740872	0.000853	0	0.000853	8.35176E-05
5315	420714.74	3740883	3.40E-04	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	8.47E-04	0.00E+00	0.00E+00	4.27E-05	8.29E-05	0.00E+00	0.00E+00	420714.7	3740883	0.000847	0	0.000847	8.29066E-05
5316	420707.63	3740889	3.38E-04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	8.43E-04	0.00E+00	0.00E+00	4.25E-05	8.25E-05	0.00E+00	0.00E+00	420707.6	3740889	0.000843	0	0.000843	8.25355E-05
5317	420693.41	3740899	3.35E-04	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	8.34E-04	0.00E+00	0.00E+00	4.21E-05	8.17E-05	0.00E+00	0.00E+00	420693.4	3740899	0.000834	0	0.000834	8.16983E-05
5318	420679.18	3740910	3.31E-04	8.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	8.25E-04	0.00E+00	0.00E+00	4.16E-05	8.07E-05	0.00E+00	0.00E+00	420679.2	3740910	0.000825	0	0.000825	8.07397E-05
5319	420672.07	3740916	3.29E-04	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	8.19E-04	0.00E+00	0.00E+00	4.13E-05	8.02E-05	0.00E+00	0.00E+00	420672.1	3740916	0.000819	0	0.000819	8.02246E-05
5320	420657.85	3740926	3.24E-04	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	8.08E-04	0.00E+00	0.00E+00	4.08E-05	7.91E-05	0.00E+00	0.00E+00	420657.9	3740926	0.000808	0	0.000808	7.9126E-05
5321	420622.29	3740953	3.11E-04	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	7.76E-04	0.00E+00	0.00E+00	3.91E-05	7.59E-05	0.00E+00	0.00E+00	420622.3	3740953	0.000776	0	0.000776	7.59456E-05
5322	420608.07	3740964	3.04E-04	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	7.57E-04	0.00E+00	0.00E+00	3.82E-05	7.41E-05	0.00E+00	0.00E+00	420608.1	3740964	0.000757	0	0.000757	7.41135E-05
5323	420593.84	3740975	2.99E-04	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.45E-04	0.00E+00	0.00E+00	3.76E-05	7.30E-05	0.00E+00	0.00E+00	420593.8	3740975	0.000745	0	0.000745	7.2961E-05
5324	420586.73	3740981	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.22E-05	0.00E+00	0.00E+00	420586.7	3740981	0.000737	0	0.000737	7.21522E-05
5325	420572.51	3740991	2.89E-04	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	7.20E-04	0.00E+00	0.00E+00	3.63E-05	7.05E-05	0.00E+00	0.00E+00	420572.5	3740991	0.00072	0	0.00072	7.04798E-05
5326	420558.29	3741002	2.82E-04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	7.02E-04	0.00E+00	0.00E+00	3.54E-05	6.87E-05	0.00E+00	0.00E+00	420558.3	3741002	0.000702	0	0.000702	6.87476E-05
5327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+

5436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5515	0	0	0.00E+00	0.00E+00	0.00E+00

5583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0

5730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0

5877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
5963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0

6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6032	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6047	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6056	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6062	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6064	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6103	0	0	0.00E+00	0.00E+00	0.00E+00

6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	0	0
6250	0	0	0.00E+00	0.00E+00	0.00E+00

						1530
			1523	420169.26	3740106.10	
	Max Yr	**2**	UnMitigated	T2	T2L3	T4
	Row	**19**	4.03E-01	0.00E+00	4.03E-01	3.95E-02
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**0%**	**100%**	**10%**
			Year 2	Year 2	Year 2	Year 2
1	420199.6	3739998	1.25E-01	0.00E+00	1.25E-01	1.23E-02
2	420190.3	3739998	1.50E-01	0.00E+00	1.50E-01	1.47E-02
3	420180.9	3739998	1.71E-01	0.00E+00	1.71E-01	1.67E-02
4	420171.5	3739998	1.87E-01	0.00E+00	1.87E-01	1.83E-02
5	420162.2	3739998	1.99E-01	0.00E+00	1.99E-01	1.95E-02
6	420152.8	3739998	2.08E-01	0.00E+00	2.08E-01	2.03E-02
7	420143.4	3739998	2.13E-01	0.00E+00	2.13E-01	2.08E-02
8	420134	3739998	2.15E-01	0.00E+00	2.15E-01	2.11E-02
9	420124.7	3739998	2.16E-01	0.00E+00	2.16E-01	2.11E-02
10	420115.3	3739998	2.14E-01	0.00E+00	2.14E-01	2.09E-02
11	420105.9	3739998	2.10E-01	0.00E+00	2.10E-01	2.05E-02
12	420096.6	3739998	2.03E-01	0.00E+00	2.03E-01	1.99E-02
13	420087.2	3739998	1.93E-01	0.00E+00	1.93E-01	1.89E-02
14	420077.8	3739998	1.78E-01	0.00E+00	1.78E-01	1.75E-02
15	420068.5	3739998	1.57E-01	0.00E+00	1.57E-01	1.54E-02
16	420199.6	3739988	9.17E-02	0.00E+00	9.17E-02	8.98E-03
17	420190.3	3739988	1.07E-01	0.00E+00	1.07E-01	1.05E-02
18	420180.9	3739988	1.22E-01	0.00E+00	1.22E-01	1.19E-02
19	420171.5	3739988	1.34E-01	0.00E+00	1.34E-01	1.31E-02
20	420162.2	3739988	1.44E-01	0.00E+00	1.44E-01	1.41E-02
21	420152.8	3739988	1.51E-01	0.00E+00	1.51E-01	1.48E-02
22	420143.4	3739988	1.56E-01	0.00E+00	1.56E-01	1.53E-02
23	420134	3739988	1.59E-01	0.00E+00	1.59E-01	1.56E-02
24	420124.7	3739988	1.61E-01	0.00E+00	1.61E-01	1.57E-02
25	420115.3	3739988	1.60E-01	0.00E+00	1.60E-01	1.57E-02
26	420105.9	3739988	1.59E-01	0.00E+00	1.59E-01	1.55E-02
27	420096.6	3739988	1.55E-01	0.00E+00	1.55E-01	1.52E-02
28	420087.2	3739988	1.49E-01	0.00E+00	1.49E-01	1.46E-02
29	420077.8	3739988	1.39E-01	0.00E+00	1.39E-01	1.36E-02
30	420068.5	3739988	1.26E-01	0.00E+00	1.26E-01	1.24E-02
31	420199.6	3739978	7.15E-02	0.00E+00	7.15E-02	7.00E-03
32	420190.3	3739978	8.18E-02	0.00E+00	8.18E-02	8.01E-03
33	420180.9	3739978	9.20E-02	0.00E+00	9.20E-02	9.01E-03
34	420171.5	3739978	1.01E-01	0.00E+00	1.01E-01	9.93E-03
35	420162.2	3739978	1.09E-01	0.00E+00	1.09E-01	1.07E-02
36	420152.8	3739978	1.16E-01	0.00E+00	1.16E-01	1.13E-02
37	420143.4	3739978	1.20E-01	0.00E+00	1.20E-01	1.18E-02
38	420134	3739978	1.23E-01	0.00E+00	1.23E-01	1.21E-02
39	420124.7	3739978	1.25E-01	0.00E+00	1.25E-01	1.23E-02
40	420115.3	3739978	1.26E-01	0.00E+00	1.26E-01	1.23E-02

41	420105.9	3739978	1.25E-01	0.00E+00	1.25E-01	1.22E-02
42	420096.6	3739978	1.23E-01	0.00E+00	1.23E-01	1.20E-02
43	420087.2	3739978	1.18E-01	0.00E+00	1.18E-01	1.15E-02
44	420077.8	3739978	1.11E-01	0.00E+00	1.11E-01	1.08E-02
45	420068.5	3739978	1.02E-01	0.00E+00	1.02E-01	9.98E-03
46	420240.2	3739986	4.91E-02	0.00E+00	4.91E-02	4.81E-03
47	420246.1	3740000	5.99E-02	0.00E+00	5.99E-02	5.86E-03
48	420199.6	3739968	5.81E-02	0.00E+00	5.81E-02	5.69E-03
49	420190.3	3739968	6.54E-02	0.00E+00	6.54E-02	6.41E-03
50	420180.9	3739968	7.28E-02	0.00E+00	7.28E-02	7.13E-03
51	420171.5	3739968	8.00E-02	0.00E+00	8.00E-02	7.83E-03
52	420162.2	3739968	8.64E-02	0.00E+00	8.64E-02	8.46E-03
53	420152.8	3739968	9.18E-02	0.00E+00	9.18E-02	8.99E-03
54	420143.4	3739968	9.60E-02	0.00E+00	9.60E-02	9.40E-03
55	420134	3739968	9.91E-02	0.00E+00	9.91E-02	9.70E-03
56	420124.7	3739968	1.01E-01	0.00E+00	1.01E-01	9.89E-03
57	420115.3	3739968	1.02E-01	0.00E+00	1.02E-01	9.97E-03
58	420105.9	3739968	1.01E-01	0.00E+00	1.01E-01	9.89E-03
59	420096.6	3739968	9.90E-02	0.00E+00	9.90E-02	9.69E-03
60	420087.2	3739968	9.58E-02	0.00E+00	9.58E-02	9.38E-03
61	420077.8	3739968	9.13E-02	0.00E+00	9.13E-02	8.94E-03
62	420068.5	3739968	8.55E-02	0.00E+00	8.55E-02	8.38E-03
63	420253.1	3739993	4.79E-02	0.00E+00	4.79E-02	4.69E-03
64	420199.6	3739958	4.87E-02	0.00E+00	4.87E-02	4.77E-03
65	420190.3	3739958	5.41E-02	0.00E+00	5.41E-02	5.30E-03
66	420180.9	3739958	5.96E-02	0.00E+00	5.96E-02	5.84E-03
67	420171.5	3739958	6.52E-02	0.00E+00	6.52E-02	6.39E-03
68	420162.2	3739958	7.05E-02	0.00E+00	7.05E-02	6.90E-03
69	420152.8	3739958	7.50E-02	0.00E+00	7.50E-02	7.35E-03
70	420143.4	3739958	7.88E-02	0.00E+00	7.88E-02	7.71E-03
71	420134	3739958	8.15E-02	0.00E+00	8.15E-02	7.98E-03
72	420124.7	3739958	8.31E-02	0.00E+00	8.31E-02	8.14E-03
73	420115.3	3739958	8.36E-02	0.00E+00	8.36E-02	8.19E-03
74	420105.9	3739958	8.33E-02	0.00E+00	8.33E-02	8.16E-03
75	420096.6	3739958	8.21E-02	0.00E+00	8.21E-02	8.04E-03
76	420087.2	3739958	7.99E-02	0.00E+00	7.99E-02	7.83E-03
77	420077.8	3739958	7.71E-02	0.00E+00	7.71E-02	7.54E-03
78	420068.5	3739958	7.32E-02	0.00E+00	7.32E-02	7.16E-03
79	420234.4	3739958	3.38E-02	0.00E+00	3.38E-02	3.31E-03
80	420242.9	3739962	3.27E-02	0.00E+00	3.27E-02	3.20E-03
81	420261.9	3739991	4.14E-02	0.00E+00	4.14E-02	4.05E-03
82	420265.5	3739999	4.57E-02	0.00E+00	4.57E-02	4.47E-03
83	420199.6	3739948	4.17E-02	0.00E+00	4.17E-02	4.08E-03
84	420190.3	3739948	4.58E-02	0.00E+00	4.58E-02	4.49E-03
85	420180.9	3739948	5.01E-02	0.00E+00	5.01E-02	4.91E-03
86	420171.5	3739948	5.46E-02	0.00E+00	5.46E-02	5.35E-03
87	420162.2	3739948	5.89E-02	0.00E+00	5.89E-02	5.77E-03

88	420152.8	3739948	6.27E-02	0.00E+00	6.27E-02	6.14E-03
89	420143.4	3739948	6.60E-02	0.00E+00	6.60E-02	6.46E-03
90	420134	3739948	6.83E-02	0.00E+00	6.83E-02	6.69E-03
91	420124.7	3739948	6.96E-02	0.00E+00	6.96E-02	6.82E-03
92	420115.3	3739948	7.03E-02	0.00E+00	7.03E-02	6.88E-03
93	420105.9	3739948	7.03E-02	0.00E+00	7.03E-02	6.89E-03
94	420096.6	3739948	6.96E-02	0.00E+00	6.96E-02	6.82E-03
95	420087.2	3739948	6.83E-02	0.00E+00	6.83E-02	6.68E-03
96	420077.8	3739948	6.64E-02	0.00E+00	6.64E-02	6.50E-03
97	420068.5	3739948	6.37E-02	0.00E+00	6.37E-02	6.24E-03
98	420233.7	3739948	2.99E-02	0.00E+00	2.99E-02	2.93E-03
99	420250.2	3739955	2.81E-02	0.00E+00	2.81E-02	2.75E-03
100	420261.8	3739966	2.94E-02	0.00E+00	2.94E-02	2.87E-03
101	420268.7	3739983	3.44E-02	0.00E+00	3.44E-02	3.37E-03
102	420275.6	3739999	4.10E-02	0.00E+00	4.10E-02	4.01E-03
103	420199.6	3739938	3.63E-02	0.00E+00	3.63E-02	3.55E-03
104	420190.3	3739938	3.96E-02	0.00E+00	3.96E-02	3.88E-03
105	420180.9	3739938	4.30E-02	0.00E+00	4.30E-02	4.21E-03
106	420171.5	3739938	4.67E-02	0.00E+00	4.67E-02	4.57E-03
107	420162.2	3739938	5.02E-02	0.00E+00	5.02E-02	4.91E-03
108	420152.8	3739938	5.34E-02	0.00E+00	5.34E-02	5.23E-03
109	420143.4	3739938	5.62E-02	0.00E+00	5.62E-02	5.50E-03
110	420134	3739938	5.83E-02	0.00E+00	5.83E-02	5.71E-03
111	420124.7	3739938	5.96E-02	0.00E+00	5.96E-02	5.84E-03
112	420115.3	3739938	6.04E-02	0.00E+00	6.04E-02	5.92E-03
113	420105.9	3739938	6.08E-02	0.00E+00	6.08E-02	5.96E-03
114	420096.6	3739938	6.06E-02	0.00E+00	6.06E-02	5.94E-03
115	420087.2	3739938	5.98E-02	0.00E+00	5.98E-02	5.86E-03
116	420077.8	3739938	5.85E-02	0.00E+00	5.85E-02	5.73E-03
117	420068.5	3739938	5.65E-02	0.00E+00	5.65E-02	5.54E-03
118	420249.3	3739944	2.52E-02	0.00E+00	2.52E-02	2.47E-03
119	420268.8	3739959	2.54E-02	0.00E+00	2.54E-02	2.49E-03
120	420282.3	3739991	3.42E-02	0.00E+00	3.42E-02	3.34E-03
121	420199.6	3739928	3.20E-02	0.00E+00	3.20E-02	3.13E-03
122	420190.3	3739928	3.47E-02	0.00E+00	3.47E-02	3.40E-03
123	420180.9	3739928	3.75E-02	0.00E+00	3.75E-02	3.67E-03
124	420171.5	3739928	4.05E-02	0.00E+00	4.05E-02	3.96E-03
125	420162.2	3739928	4.34E-02	0.00E+00	4.34E-02	4.25E-03
126	420152.8	3739928	4.61E-02	0.00E+00	4.61E-02	4.51E-03
127	420143.4	3739928	4.85E-02	0.00E+00	4.85E-02	4.75E-03
128	420134	3739928	5.04E-02	0.00E+00	5.04E-02	4.94E-03
129	420124.7	3739928	5.17E-02	0.00E+00	5.17E-02	5.06E-03
130	420115.3	3739928	5.26E-02	0.00E+00	5.26E-02	5.15E-03
131	420105.9	3739928	5.32E-02	0.00E+00	5.32E-02	5.21E-03
132	420096.6	3739928	5.33E-02	0.00E+00	5.33E-02	5.22E-03
133	420087.2	3739928	5.28E-02	0.00E+00	5.28E-02	5.17E-03
134	420077.8	3739928	5.19E-02	0.00E+00	5.19E-02	5.09E-03

135	420068.5	3739928	5.05E-02	0.00E+00	5.05E-02	4.95E-03
136	420248.7	3739934	2.27E-02	0.00E+00	2.27E-02	2.23E-03
137	420264.6	3739941	2.16E-02	0.00E+00	2.16E-02	2.11E-03
138	420275.8	3739952	2.23E-02	0.00E+00	2.23E-02	2.19E-03
139	420282.4	3739968	2.53E-02	0.00E+00	2.53E-02	2.48E-03
140	420289.1	3739984	2.90E-02	0.00E+00	2.90E-02	2.84E-03
141	420295.7	3739999	3.36E-02	0.00E+00	3.36E-02	3.29E-03
142	420199.6	3739918	2.85E-02	0.00E+00	2.85E-02	2.79E-03
143	420190.3	3739918	3.07E-02	0.00E+00	3.07E-02	3.01E-03
144	420180.9	3739918	3.31E-02	0.00E+00	3.31E-02	3.24E-03
145	420171.5	3739918	3.56E-02	0.00E+00	3.56E-02	3.48E-03
146	420162.2	3739918	3.80E-02	0.00E+00	3.80E-02	3.72E-03
147	420152.8	3739918	4.03E-02	0.00E+00	4.03E-02	3.94E-03
148	420143.4	3739918	4.24E-02	0.00E+00	4.24E-02	4.15E-03
149	420134	3739918	4.41E-02	0.00E+00	4.41E-02	4.32E-03
150	420124.7	3739918	4.53E-02	0.00E+00	4.53E-02	4.44E-03
151	420115.3	3739918	4.62E-02	0.00E+00	4.62E-02	4.53E-03
152	420105.9	3739918	4.69E-02	0.00E+00	4.69E-02	4.59E-03
153	420096.6	3739918	4.72E-02	0.00E+00	4.72E-02	4.62E-03
154	420087.2	3739918	4.70E-02	0.00E+00	4.70E-02	4.60E-03
155	420077.8	3739918	4.64E-02	0.00E+00	4.64E-02	4.55E-03
156	420068.5	3739918	4.54E-02	0.00E+00	4.54E-02	4.45E-03
157	420248.2	3739924	2.07E-02	0.00E+00	2.07E-02	2.02E-03
158	420263.9	3739930	1.96E-02	0.00E+00	1.96E-02	1.92E-03
159	420282.8	3739945	1.98E-02	0.00E+00	1.98E-02	1.94E-03
160	420289.4	3739960	2.22E-02	0.00E+00	2.22E-02	2.17E-03
161	420302.5	3739992	2.87E-02	0.00E+00	2.87E-02	2.81E-03
162	420199.6	3739908	2.56E-02	0.00E+00	2.56E-02	2.51E-03
163	420190.3	3739908	2.75E-02	0.00E+00	2.75E-02	2.69E-03
164	420180.9	3739908	2.95E-02	0.00E+00	2.95E-02	2.88E-03
165	420171.5	3739908	3.15E-02	0.00E+00	3.15E-02	3.09E-03
166	420162.2	3739908	3.36E-02	0.00E+00	3.36E-02	3.29E-03
167	420152.8	3739908	3.56E-02	0.00E+00	3.56E-02	3.48E-03
168	420143.4	3739908	3.74E-02	0.00E+00	3.74E-02	3.66E-03
169	420134	3739908	3.89E-02	0.00E+00	3.89E-02	3.81E-03
170	420124.7	3739908	4.01E-02	0.00E+00	4.01E-02	3.93E-03
171	420115.3	3739908	4.11E-02	0.00E+00	4.11E-02	4.02E-03
172	420105.9	3739908	4.17E-02	0.00E+00	4.17E-02	4.09E-03
173	420096.6	3739908	4.21E-02	0.00E+00	4.21E-02	4.12E-03
174	420087.2	3739908	4.21E-02	0.00E+00	4.21E-02	4.12E-03
175	420077.8	3739908	4.17E-02	0.00E+00	4.17E-02	4.09E-03
176	420068.5	3739908	4.10E-02	0.00E+00	4.10E-02	4.01E-03
177	420234.4	3739898	1.82E-02	0.00E+00	1.82E-02	1.78E-03
178	420242.9	3739902	1.77E-02	0.00E+00	1.77E-02	1.73E-03
179	420251.3	3739905	1.72E-02	0.00E+00	1.72E-02	1.69E-03
180	420259.8	3739909	1.68E-02	0.00E+00	1.68E-02	1.64E-03
181	420268.3	3739912	1.63E-02	0.00E+00	1.63E-02	1.60E-03

182	420276.7	3739916	1.59E-02	0.00E+00	1.59E-02	1.56E-03
183	420285.2	3739919	1.56E-02	0.00E+00	1.56E-02	1.52E-03
184	420297.2	3739931	1.60E-02	0.00E+00	1.60E-02	1.57E-03
185	420300.7	3739940	1.68E-02	0.00E+00	1.68E-02	1.65E-03
186	420304.3	3739948	1.78E-02	0.00E+00	1.78E-02	1.74E-03
187	420307.8	3739956	1.88E-02	0.00E+00	1.88E-02	1.84E-03
188	420311.3	3739965	2.00E-02	0.00E+00	2.00E-02	1.95E-03
189	420318.4	3739982	2.27E-02	0.00E+00	2.27E-02	2.22E-03
190	420321.9	3739990	2.42E-02	0.00E+00	2.42E-02	2.37E-03
191	420325.5	3739999	2.57E-02	0.00E+00	2.57E-02	2.52E-03
192	420199.6	3739888	2.11E-02	0.00E+00	2.11E-02	2.07E-03
193	420190.3	3739888	2.25E-02	0.00E+00	2.25E-02	2.20E-03
194	420180.9	3739888	2.39E-02	0.00E+00	2.39E-02	2.34E-03
195	420171.5	3739888	2.55E-02	0.00E+00	2.55E-02	2.49E-03
196	420162.2	3739888	2.70E-02	0.00E+00	2.70E-02	2.64E-03
197	420152.8	3739888	2.84E-02	0.00E+00	2.84E-02	2.79E-03
198	420143.4	3739888	2.98E-02	0.00E+00	2.98E-02	2.92E-03
199	420134	3739888	3.10E-02	0.00E+00	3.10E-02	3.04E-03
200	420124.7	3739888	3.21E-02	0.00E+00	3.21E-02	3.14E-03
201	420115.3	3739888	3.30E-02	0.00E+00	3.30E-02	3.23E-03
202	420105.9	3739888	3.36E-02	0.00E+00	3.36E-02	3.29E-03
203	420096.6	3739888	3.41E-02	0.00E+00	3.41E-02	3.34E-03
204	420087.2	3739888	3.42E-02	0.00E+00	3.42E-02	3.35E-03
205	420077.8	3739888	3.42E-02	0.00E+00	3.42E-02	3.35E-03
206	420068.5	3739888	3.38E-02	0.00E+00	3.38E-02	3.31E-03
207	420283.1	3739898	1.35E-02	0.00E+00	1.35E-02	1.32E-03
208	420299.5	3739905	1.29E-02	0.00E+00	1.29E-02	1.27E-03
209	420311.2	3739917	1.32E-02	0.00E+00	1.32E-02	1.29E-03
210	420318.1	3739933	1.44E-02	0.00E+00	1.44E-02	1.41E-03
211	420324.9	3739950	1.59E-02	0.00E+00	1.59E-02	1.56E-03
212	420331.8	3739966	1.77E-02	0.00E+00	1.77E-02	1.73E-03
213	420338.7	3739982	1.98E-02	0.00E+00	1.98E-02	1.94E-03
214	420345.6	3739999	2.21E-02	0.00E+00	2.21E-02	2.17E-03
215	420325.2	3739902	1.11E-02	0.00E+00	1.11E-02	1.09E-03
216	420332	3739918	1.20E-02	0.00E+00	1.20E-02	1.17E-03
217	420338.7	3739935	1.30E-02	0.00E+00	1.30E-02	1.27E-03
218	420345.4	3739951	1.43E-02	0.00E+00	1.43E-02	1.40E-03
219	420352.2	3739967	1.58E-02	0.00E+00	1.58E-02	1.55E-03
220	420358.9	3739983	1.75E-02	0.00E+00	1.75E-02	1.71E-03
221	420365.6	3739999	1.93E-02	0.00E+00	1.93E-02	1.89E-03
222	420343	3739897	9.87E-03	0.00E+00	9.87E-03	9.66E-04
223	420346.6	3739905	1.02E-02	0.00E+00	1.02E-02	1.00E-03
224	420350.1	3739914	1.06E-02	0.00E+00	1.06E-02	1.04E-03
225	420357.2	3739931	1.15E-02	0.00E+00	1.15E-02	1.13E-03
226	420360.7	3739939	1.21E-02	0.00E+00	1.21E-02	1.18E-03
227	420364.3	3739948	1.26E-02	0.00E+00	1.26E-02	1.24E-03
228	420367.8	3739956	1.33E-02	0.00E+00	1.33E-02	1.30E-03

229	420378.4	3739981	1.54E-02	0.00E+00	1.54E-02	1.51E-03
230	420381.9	3739990	1.61E-02	0.00E+00	1.61E-02	1.58E-03
231	420385.5	3739998	1.69E-02	0.00E+00	1.69E-02	1.66E-03
232	420367.4	3739907	9.42E-03	0.00E+00	9.42E-03	9.22E-04
233	420370.9	3739916	9.77E-03	0.00E+00	9.77E-03	9.57E-04
234	420377.8	3739932	1.06E-02	0.00E+00	1.06E-02	1.04E-03
235	420384.7	3739949	1.15E-02	0.00E+00	1.15E-02	1.13E-03
236	420391.7	3739965	1.26E-02	0.00E+00	1.26E-02	1.23E-03
237	420398.6	3739982	1.38E-02	0.00E+00	1.38E-02	1.35E-03
238	420382.2	3739895	8.21E-03	0.00E+00	8.21E-03	8.04E-04
239	420385.8	3739903	8.50E-03	0.00E+00	8.50E-03	8.33E-04
240	420389.4	3739912	8.83E-03	0.00E+00	8.83E-03	8.64E-04
241	420393	3739921	9.17E-03	0.00E+00	9.17E-03	8.98E-04
242	420396.6	3739929	9.54E-03	0.00E+00	9.54E-03	9.35E-04
243	420400.2	3739938	9.95E-03	0.00E+00	9.95E-03	9.74E-04
244	420403.8	3739946	1.04E-02	0.00E+00	1.04E-02	1.02E-03
245	420407.4	3739955	1.08E-02	0.00E+00	1.08E-02	1.06E-03
246	420411	3739964	1.13E-02	0.00E+00	1.13E-02	1.11E-03
247	420414.6	3739972	1.18E-02	0.00E+00	1.18E-02	1.16E-03
248	420418.2	3739981	1.24E-02	0.00E+00	1.24E-02	1.21E-03
249	420421.8	3739989	1.29E-02	0.00E+00	1.29E-02	1.26E-03
250	420403	3739897	7.65E-03	0.00E+00	7.65E-03	7.49E-04
251	420406.6	3739905	7.91E-03	0.00E+00	7.91E-03	7.75E-04
252	420413.6	3739922	8.50E-03	0.00E+00	8.50E-03	8.32E-04
253	420417.2	3739931	8.83E-03	0.00E+00	8.83E-03	8.65E-04
254	420420.7	3739939	9.18E-03	0.00E+00	9.18E-03	8.99E-04
255	420424.3	3739947	9.56E-03	0.00E+00	9.56E-03	9.36E-04
256	420431.3	3739964	1.04E-02	0.00E+00	1.04E-02	1.01E-03
257	420434.9	3739973	1.08E-02	0.00E+00	1.08E-02	1.06E-03
258	420438.4	3739981	1.12E-02	0.00E+00	1.12E-02	1.10E-03
259	420423.7	3739898	7.14E-03	0.00E+00	7.14E-03	6.99E-04
260	420430.7	3739915	7.63E-03	0.00E+00	7.63E-03	7.47E-04
261	420437.7	3739932	8.19E-03	0.00E+00	8.19E-03	8.02E-04
262	420441.1	3739940	8.50E-03	0.00E+00	8.50E-03	8.32E-04
263	420448.1	3739957	9.15E-03	0.00E+00	9.15E-03	8.96E-04
264	420455.1	3739973	9.86E-03	0.00E+00	9.86E-03	9.66E-04
265	420442.4	3739895	6.57E-03	0.00E+00	6.57E-03	6.44E-04
266	420446	3739904	6.79E-03	0.00E+00	6.79E-03	6.65E-04
267	420449.5	3739912	7.02E-03	0.00E+00	7.02E-03	6.87E-04
268	420453.1	3739921	7.26E-03	0.00E+00	7.26E-03	7.11E-04
269	420456.7	3739929	7.52E-03	0.00E+00	7.52E-03	7.37E-04
270	420460.3	3739938	7.80E-03	0.00E+00	7.80E-03	7.63E-04
271	420463.9	3739946	8.08E-03	0.00E+00	8.08E-03	7.91E-04
272	420467.5	3739955	8.38E-03	0.00E+00	8.38E-03	8.21E-04
273	420471.1	3739963	8.69E-03	0.00E+00	8.69E-03	8.51E-04
274	420481.8	3739989	9.69E-03	0.00E+00	9.69E-03	9.49E-04
275	420485.4	3739998	1.00E-02	0.00E+00	1.00E-02	9.83E-04

276	420463	3739896	6.18E-03	0.00E+00	6.18E-03	6.05E-04
277	420470.1	3739913	6.58E-03	0.00E+00	6.58E-03	6.45E-04
278	420473.6	3739922	6.80E-03	0.00E+00	6.80E-03	6.66E-04
279	420477.2	3739930	7.03E-03	0.00E+00	7.03E-03	6.88E-04
280	420480.7	3739939	7.27E-03	0.00E+00	7.27E-03	7.12E-04
281	420487.8	3739956	7.78E-03	0.00E+00	7.78E-03	7.62E-04
282	420505.5	3739998	9.21E-03	0.00E+00	9.21E-03	9.02E-04
283	420492.2	3739894	5.57E-03	0.00E+00	5.57E-03	5.46E-04
284	420495.8	3739903	5.74E-03	0.00E+00	5.74E-03	5.62E-04
285	420499.4	3739911	5.92E-03	0.00E+00	5.92E-03	5.79E-04
286	420503	3739920	6.10E-03	0.00E+00	6.10E-03	5.98E-04
287	420506.6	3739929	6.30E-03	0.00E+00	6.30E-03	6.17E-04
288	420510.2	3739937	6.51E-03	0.00E+00	6.51E-03	6.37E-04
289	420524.6	3739972	7.41E-03	0.00E+00	7.41E-03	7.26E-04
290	420528.2	3739980	7.65E-03	0.00E+00	7.65E-03	7.49E-04
291	420531.8	3739989	7.89E-03	0.00E+00	7.89E-03	7.73E-04
292	420535.4	3739997	8.13E-03	0.00E+00	8.13E-03	7.96E-04
293	420498.3	3739837	4.28E-03	0.00E+00	4.28E-03	4.20E-04
294	420501.8	3739845	4.39E-03	0.00E+00	4.39E-03	4.29E-04
295	420505.4	3739854	4.49E-03	0.00E+00	4.49E-03	4.40E-04
296	420512.4	3739871	4.73E-03	0.00E+00	4.73E-03	4.63E-04
297	420516	3739879	4.85E-03	0.00E+00	4.85E-03	4.75E-04
298	420519.5	3739888	4.99E-03	0.00E+00	4.99E-03	4.88E-04
299	420523	3739896	5.13E-03	0.00E+00	5.13E-03	5.02E-04
300	420530.1	3739913	5.43E-03	0.00E+00	5.43E-03	5.31E-04
301	420547.8	3739955	6.28E-03	0.00E+00	6.28E-03	6.15E-04
302	420551.3	3739964	6.47E-03	0.00E+00	6.47E-03	6.33E-04
303	420554.9	3739972	6.66E-03	0.00E+00	6.66E-03	6.52E-04
304	420561.9	3739989	7.04E-03	0.00E+00	7.04E-03	6.89E-04
305	420565.5	3739997	7.23E-03	0.00E+00	7.23E-03	7.08E-04
306	420509.2	3739791	3.54E-03	0.00E+00	3.54E-03	3.47E-04
307	420512.8	3739800	3.61E-03	0.00E+00	3.61E-03	3.53E-04
308	420516.4	3739808	3.68E-03	0.00E+00	3.68E-03	3.61E-04
309	420520	3739817	3.76E-03	0.00E+00	3.76E-03	3.68E-04
310	420523.6	3739826	3.85E-03	0.00E+00	3.85E-03	3.77E-04
311	420527.2	3739834	3.93E-03	0.00E+00	3.93E-03	3.85E-04
312	420530.8	3739843	4.03E-03	0.00E+00	4.03E-03	3.94E-04
313	420534.4	3739851	4.12E-03	0.00E+00	4.12E-03	4.04E-04
314	420538	3739860	4.23E-03	0.00E+00	4.23E-03	4.14E-04
315	420541.5	3739869	4.33E-03	0.00E+00	4.33E-03	4.24E-04
316	420545.1	3739877	4.45E-03	0.00E+00	4.45E-03	4.35E-04
317	420548.7	3739886	4.57E-03	0.00E+00	4.57E-03	4.47E-04
318	420552.3	3739894	4.69E-03	0.00E+00	4.69E-03	4.59E-04
319	420570.3	3739937	5.37E-03	0.00E+00	5.37E-03	5.26E-04
320	420573.9	3739946	5.52E-03	0.00E+00	5.52E-03	5.40E-04
321	420577.5	3739954	5.67E-03	0.00E+00	5.67E-03	5.55E-04
322	420581	3739963	5.83E-03	0.00E+00	5.83E-03	5.71E-04

323	420584.6	3739971	5.99E-03	0.00E+00	5.99E-03	5.86E-04
324	420588.2	3739980	5.95E-03	0.00E+00	5.95E-03	5.83E-04
325	420591.8	3739989	6.31E-03	0.00E+00	6.31E-03	6.18E-04
326	420595.4	3739997	6.48E-03	0.00E+00	6.48E-03	6.35E-04
327	420537.1	3739786	3.25E-03	0.00E+00	3.25E-03	3.18E-04
328	420540.6	3739794	3.31E-03	0.00E+00	3.31E-03	3.24E-04
329	420544.1	3739803	3.38E-03	0.00E+00	3.38E-03	3.31E-04
330	420551.2	3739820	3.52E-03	0.00E+00	3.52E-03	3.45E-04
331	420554.8	3739828	3.60E-03	0.00E+00	3.60E-03	3.52E-04
332	420558.3	3739837	3.68E-03	0.00E+00	3.68E-03	3.60E-04
333	420561.8	3739845	3.76E-03	0.00E+00	3.76E-03	3.69E-04
334	420568.9	3739862	3.94E-03	0.00E+00	3.94E-03	3.86E-04
335	420590.1	3739913	4.57E-03	0.00E+00	4.57E-03	4.48E-04
336	420593.6	3739921	4.69E-03	0.00E+00	4.69E-03	4.59E-04
337	420600.7	3739938	4.93E-03	0.00E+00	4.93E-03	4.82E-04
338	420604.3	3739947	5.05E-03	0.00E+00	5.05E-03	4.94E-04
339	420607.8	3739955	5.00E-03	0.00E+00	5.00E-03	4.90E-04
340	420611.3	3739963	5.12E-03	0.00E+00	5.12E-03	5.01E-04
341	420618.4	3739980	5.37E-03	0.00E+00	5.37E-03	5.26E-04
342	420621.9	3739989	5.53E-03	0.00E+00	5.53E-03	5.42E-04
343	420530	3739697	2.51E-03	0.00E+00	2.51E-03	2.46E-04
344	420533.6	3739706	2.54E-03	0.00E+00	2.54E-03	2.48E-04
345	420537.2	3739714	2.57E-03	0.00E+00	2.57E-03	2.52E-04
346	420540.8	3739723	2.61E-03	0.00E+00	2.61E-03	2.55E-04
347	420544.3	3739732	2.64E-03	0.00E+00	2.64E-03	2.59E-04
348	420547.9	3739740	2.69E-03	0.00E+00	2.69E-03	2.63E-04
349	420551.5	3739749	2.73E-03	0.00E+00	2.73E-03	2.68E-04
350	420555.1	3739757	2.78E-03	0.00E+00	2.78E-03	2.72E-04
351	420569.4	3739791	2.99E-03	0.00E+00	2.99E-03	2.93E-04
352	420573	3739800	3.13E-03	0.00E+00	3.13E-03	3.06E-04
353	420576.6	3739809	3.19E-03	0.00E+00	3.19E-03	3.13E-04
354	420580.2	3739817	3.26E-03	0.00E+00	3.26E-03	3.19E-04
355	420583.8	3739826	3.33E-03	0.00E+00	3.33E-03	3.26E-04
356	420587.3	3739834	3.41E-03	0.00E+00	3.41E-03	3.33E-04
357	420608.8	3739886	3.91E-03	0.00E+00	3.91E-03	3.83E-04
358	420612.4	3739894	4.00E-03	0.00E+00	4.00E-03	3.92E-04
359	420644.7	3739971	4.79E-03	0.00E+00	4.79E-03	4.69E-04
360	420648.2	3739980	4.90E-03	0.00E+00	4.90E-03	4.80E-04
361	420651.8	3739988	5.03E-03	0.00E+00	5.03E-03	4.92E-04
362	420655.4	3739997	5.15E-03	0.00E+00	5.15E-03	5.04E-04
363	420530.7	3739660	2.35E-03	0.00E+00	2.35E-03	2.30E-04
364	420539.1	3739664	2.33E-03	0.00E+00	2.33E-03	2.28E-04
365	420551.1	3739676	2.33E-03	0.00E+00	2.33E-03	2.28E-04
366	420558.2	3739693	2.34E-03	0.00E+00	2.34E-03	2.29E-04
367	420561.7	3739701	2.36E-03	0.00E+00	2.36E-03	2.31E-04
368	420565.3	3739710	2.39E-03	0.00E+00	2.39E-03	2.34E-04
369	420568.8	3739718	2.43E-03	0.00E+00	2.43E-03	2.37E-04

370	420575.9	3739735	2.50E-03	0.00E+00	2.50E-03	2.45E-04
371	420579.4	3739743	2.54E-03	0.00E+00	2.54E-03	2.49E-04
372	420582.9	3739752	2.58E-03	0.00E+00	2.58E-03	2.53E-04
373	420586.5	3739760	2.63E-03	0.00E+00	2.63E-03	2.57E-04
374	420597.1	3739786	2.84E-03	0.00E+00	2.84E-03	2.78E-04
375	420643	3739896	3.73E-03	0.00E+00	3.73E-03	3.65E-04
376	420646.6	3739904	3.81E-03	0.00E+00	3.81E-03	3.73E-04
377	420650.1	3739912	3.90E-03	0.00E+00	3.90E-03	3.82E-04
378	420653.6	3739921	3.99E-03	0.00E+00	3.99E-03	3.91E-04
379	420660.7	3739938	4.17E-03	0.00E+00	4.17E-03	4.09E-04
380	420664.3	3739946	4.27E-03	0.00E+00	4.27E-03	4.18E-04
381	420667.8	3739955	4.24E-03	0.00E+00	4.24E-03	4.15E-04
382	420674.9	3739972	4.41E-03	0.00E+00	4.41E-03	4.32E-04
383	420678.4	3739980	4.50E-03	0.00E+00	4.50E-03	4.41E-04
384	420681.9	3739988	4.61E-03	0.00E+00	4.61E-03	4.51E-04
385	420685.5	3739997	4.71E-03	0.00E+00	4.71E-03	4.61E-04
386	420525.9	3739629	2.21E-03	0.00E+00	2.21E-03	2.17E-04
387	420534.5	3739632	2.19E-03	0.00E+00	2.19E-03	2.14E-04
388	420543	3739636	2.17E-03	0.00E+00	2.17E-03	2.12E-04
389	420551.6	3739639	2.15E-03	0.00E+00	2.15E-03	2.10E-04
390	420560.2	3739643	2.13E-03	0.00E+00	2.13E-03	2.08E-04
391	420572.3	3739655	2.13E-03	0.00E+00	2.13E-03	2.09E-04
392	420575.9	3739663	2.16E-03	0.00E+00	2.16E-03	2.11E-04
393	420579.5	3739672	2.18E-03	0.00E+00	2.18E-03	2.14E-04
394	420583.1	3739680	2.21E-03	0.00E+00	2.21E-03	2.16E-04
395	420586.6	3739689	2.24E-03	0.00E+00	2.24E-03	2.19E-04
396	420590.2	3739697	2.27E-03	0.00E+00	2.27E-03	2.22E-04
397	420593.8	3739706	2.30E-03	0.00E+00	2.30E-03	2.25E-04
398	420597.4	3739715	2.34E-03	0.00E+00	2.34E-03	2.29E-04
399	420600.9	3739723	2.37E-03	0.00E+00	2.37E-03	2.32E-04
400	420643.9	3739826	2.93E-03	0.00E+00	2.93E-03	2.86E-04
401	420647.4	3739834	2.99E-03	0.00E+00	2.99E-03	2.92E-04
402	420651	3739843	3.05E-03	0.00E+00	3.05E-03	2.98E-04
403	420654.6	3739851	3.11E-03	0.00E+00	3.11E-03	3.05E-04
404	420658.2	3739860	3.18E-03	0.00E+00	3.18E-03	3.11E-04
405	420661.8	3739868	3.25E-03	0.00E+00	3.25E-03	3.18E-04
406	420665.3	3739877	3.31E-03	0.00E+00	3.31E-03	3.25E-04
407	420668.9	3739886	3.39E-03	0.00E+00	3.39E-03	3.32E-04
408	420672.5	3739894	3.46E-03	0.00E+00	3.46E-03	3.39E-04
409	420676.1	3739903	3.54E-03	0.00E+00	3.54E-03	3.46E-04
410	420679.6	3739911	3.61E-03	0.00E+00	3.61E-03	3.54E-04
411	420683.2	3739920	3.69E-03	0.00E+00	3.69E-03	3.62E-04
412	420686.8	3739928	3.77E-03	0.00E+00	3.77E-03	3.70E-04
413	420690.4	3739937	3.86E-03	0.00E+00	3.86E-03	3.78E-04
414	420694	3739945	3.94E-03	0.00E+00	3.94E-03	3.86E-04
415	420697.5	3739954	3.90E-03	0.00E+00	3.90E-03	3.82E-04
416	420701.1	3739962	3.98E-03	0.00E+00	3.98E-03	3.90E-04

417	420704.7	3739971	4.06E-03	0.00E+00	4.06E-03	3.98E-04
418	420708.3	3739980	4.15E-03	0.00E+00	4.15E-03	4.06E-04
419	420711.8	3739988	4.25E-03	0.00E+00	4.25E-03	4.16E-04
420	420715.4	3739997	4.35E-03	0.00E+00	4.35E-03	4.26E-04
421	420529.3	3739600	2.07E-03	0.00E+00	2.07E-03	2.02E-04
422	420538	3739603	2.05E-03	0.00E+00	2.05E-03	2.00E-04
423	420546.6	3739607	2.03E-03	0.00E+00	2.03E-03	1.98E-04
424	420555.3	3739611	2.01E-03	0.00E+00	2.01E-03	1.96E-04
425	420563.9	3739614	1.99E-03	0.00E+00	1.99E-03	1.95E-04
426	420572.6	3739618	1.97E-03	0.00E+00	1.97E-03	1.93E-04
427	420581.2	3739621	1.95E-03	0.00E+00	1.95E-03	1.91E-04
428	420593.5	3739634	1.95E-03	0.00E+00	1.95E-03	1.91E-04
429	420597.1	3739642	1.97E-03	0.00E+00	1.97E-03	1.93E-04
430	420600.7	3739651	2.00E-03	0.00E+00	2.00E-03	1.96E-04
431	420604.4	3739659	2.02E-03	0.00E+00	2.02E-03	1.98E-04
432	420658.6	3739789	2.54E-03	0.00E+00	2.54E-03	2.49E-04
433	420662.2	3739798	2.59E-03	0.00E+00	2.59E-03	2.53E-04
434	420665.8	3739806	2.64E-03	0.00E+00	2.64E-03	2.58E-04
435	420669.4	3739815	2.69E-03	0.00E+00	2.69E-03	2.63E-04
436	420673.1	3739824	2.74E-03	0.00E+00	2.74E-03	2.68E-04
437	420676.7	3739832	2.79E-03	0.00E+00	2.79E-03	2.73E-04
438	420680.3	3739841	2.85E-03	0.00E+00	2.85E-03	2.79E-04
439	420683.9	3739850	2.90E-03	0.00E+00	2.90E-03	2.84E-04
440	420687.5	3739858	2.96E-03	0.00E+00	2.96E-03	2.90E-04
441	420691.1	3739867	3.03E-03	0.00E+00	3.03E-03	2.96E-04
442	420694.8	3739875	3.09E-03	0.00E+00	3.09E-03	3.02E-04
443	420698.4	3739884	3.15E-03	0.00E+00	3.15E-03	3.09E-04
444	420702	3739893	3.22E-03	0.00E+00	3.22E-03	3.15E-04
445	420705.6	3739901	3.29E-03	0.00E+00	3.29E-03	3.22E-04
446	420709.2	3739910	3.36E-03	0.00E+00	3.36E-03	3.29E-04
447	420712.8	3739919	3.43E-03	0.00E+00	3.43E-03	3.36E-04
448	420716.5	3739927	3.50E-03	0.00E+00	3.50E-03	3.43E-04
449	420720.1	3739936	3.57E-03	0.00E+00	3.57E-03	3.50E-04
450	420723.7	3739945	3.54E-03	0.00E+00	3.54E-03	3.47E-04
451	420727.3	3739953	3.61E-03	0.00E+00	3.61E-03	3.54E-04
452	420738.2	3739979	3.85E-03	0.00E+00	3.85E-03	3.77E-04
453	420741.8	3739988	3.94E-03	0.00E+00	3.94E-03	3.86E-04
454	420745.4	3739996	4.13E-03	0.00E+00	4.13E-03	4.04E-04
455	420534.1	3739572	1.93E-03	0.00E+00	1.93E-03	1.89E-04
456	420542.6	3739575	1.91E-03	0.00E+00	1.91E-03	1.87E-04
457	420551.2	3739579	1.90E-03	0.00E+00	1.90E-03	1.86E-04
458	420559.7	3739582	1.88E-03	0.00E+00	1.88E-03	1.84E-04
459	420568.3	3739586	1.86E-03	0.00E+00	1.86E-03	1.82E-04
460	420576.8	3739590	1.84E-03	0.00E+00	1.84E-03	1.80E-04
461	420585.4	3739593	1.83E-03	0.00E+00	1.83E-03	1.79E-04
462	420594	3739597	1.81E-03	0.00E+00	1.81E-03	1.77E-04
463	420602.5	3739600	1.79E-03	0.00E+00	1.79E-03	1.76E-04

464	420686.1	3739783	2.37E-03	0.00E+00	2.37E-03	2.32E-04
465	420689.7	3739791	2.41E-03	0.00E+00	2.41E-03	2.36E-04
466	420693.2	3739800	2.45E-03	0.00E+00	2.45E-03	2.40E-04
467	420696.8	3739809	2.50E-03	0.00E+00	2.50E-03	2.44E-04
468	420700.4	3739817	2.54E-03	0.00E+00	2.54E-03	2.49E-04
469	420704	3739826	2.59E-03	0.00E+00	2.59E-03	2.54E-04
470	420707.5	3739834	2.64E-03	0.00E+00	2.64E-03	2.58E-04
471	420711.1	3739843	2.69E-03	0.00E+00	2.69E-03	2.63E-04
472	420714.7	3739851	2.74E-03	0.00E+00	2.74E-03	2.68E-04
473	420718.3	3739860	2.79E-03	0.00E+00	2.79E-03	2.73E-04
474	420721.8	3739868	2.85E-03	0.00E+00	2.85E-03	2.79E-04
475	420725.4	3739877	2.90E-03	0.00E+00	2.90E-03	2.84E-04
476	420768.3	3739979	3.68E-03	0.00E+00	3.68E-03	3.61E-04
477	420771.9	3739988	3.75E-03	0.00E+00	3.75E-03	3.67E-04
478	420775.4	3739996	3.82E-03	0.00E+00	3.82E-03	3.74E-04
479	420606.3	3739572	1.69E-03	0.00E+00	1.69E-03	1.65E-04
480	420715.2	3739781	2.23E-03	0.00E+00	2.23E-03	2.18E-04
481	420718.8	3739789	2.27E-03	0.00E+00	2.27E-03	2.22E-04
482	420722.4	3739798	2.31E-03	0.00E+00	2.31E-03	2.26E-04
483	420726	3739807	2.35E-03	0.00E+00	2.35E-03	2.30E-04
484	420798.2	3739979	3.43E-03	0.00E+00	3.43E-03	3.36E-04
485	420801.8	3739988	3.49E-03	0.00E+00	3.49E-03	3.42E-04
486	420805.4	3739996	3.55E-03	0.00E+00	3.55E-03	3.48E-04
487	420058.5	3740008	1.52E-01	0.00E+00	1.52E-01	1.49E-02
488	420058.5	3740017	1.74E-01	0.00E+00	1.74E-01	1.70E-02
489	420058.6	3740027	1.92E-01	0.00E+00	1.92E-01	1.88E-02
490	420058.6	3740036	2.06E-01	0.00E+00	2.06E-01	2.01E-02
491	420058.7	3740045	2.15E-01	0.00E+00	2.15E-01	2.10E-02
492	420058.7	3740055	2.19E-01	0.00E+00	2.19E-01	2.15E-02
493	420058.8	3740064	2.11E-01	0.00E+00	2.11E-01	2.07E-02
494	420058.8	3740074	1.97E-01	0.00E+00	1.97E-01	1.93E-02
495	420058.9	3740083	1.84E-01	0.00E+00	1.84E-01	1.80E-02
496	420058.9	3740092	1.68E-01	0.00E+00	1.68E-01	1.65E-02
497	420059	3740102	1.50E-01	0.00E+00	1.50E-01	1.47E-02
498	420059	3740111	1.33E-01	0.00E+00	1.33E-01	1.31E-02
499	420059.1	3740121	1.16E-01	0.00E+00	1.16E-01	1.14E-02
500	420051.4	3740001	1.17E-01	0.00E+00	1.17E-01	1.15E-02
501	420048.5	3740017	1.32E-01	0.00E+00	1.32E-01	1.29E-02
502	420048.6	3740027	1.43E-01	0.00E+00	1.43E-01	1.40E-02
503	420048.6	3740036	1.52E-01	0.00E+00	1.52E-01	1.49E-02
504	420048.7	3740045	1.58E-01	0.00E+00	1.58E-01	1.55E-02
505	420048.7	3740055	1.62E-01	0.00E+00	1.62E-01	1.58E-02
506	420048.8	3740064	1.57E-01	0.00E+00	1.57E-01	1.53E-02
507	420048.8	3740074	1.49E-01	0.00E+00	1.49E-01	1.46E-02
508	420048.9	3740083	1.40E-01	0.00E+00	1.40E-01	1.37E-02
509	420048.9	3740092	1.29E-01	0.00E+00	1.29E-01	1.26E-02
510	420049	3740102	1.17E-01	0.00E+00	1.17E-01	1.15E-02

511	420049	3740111	1.07E-01	0.00E+00	1.07E-01	1.04E-02
512	420049.1	3740121	9.52E-02	0.00E+00	9.52E-02	9.32E-03
513	420041.4	3740001	9.37E-02	0.00E+00	9.37E-02	9.17E-03
514	420054.3	3739984	9.45E-02	0.00E+00	9.45E-02	9.25E-03
515	420038.5	3740017	1.03E-01	0.00E+00	1.03E-01	1.01E-02
516	420038.6	3740027	1.10E-01	0.00E+00	1.10E-01	1.08E-02
517	420038.6	3740036	1.16E-01	0.00E+00	1.16E-01	1.14E-02
518	420038.7	3740045	1.20E-01	0.00E+00	1.20E-01	1.18E-02
519	420038.7	3740055	1.21E-01	0.00E+00	1.21E-01	1.19E-02
520	420038.8	3740064	1.19E-01	0.00E+00	1.19E-01	1.17E-02
521	420038.8	3740074	1.15E-01	0.00E+00	1.15E-01	1.13E-02
522	420038.9	3740083	1.09E-01	0.00E+00	1.09E-01	1.07E-02
523	420038.9	3740092	1.02E-01	0.00E+00	1.02E-01	9.96E-03
524	420039	3740102	9.42E-02	0.00E+00	9.42E-02	9.22E-03
525	420039	3740111	8.72E-02	0.00E+00	8.72E-02	8.54E-03
526	420039.1	3740121	7.97E-02	0.00E+00	7.97E-02	7.80E-03
527	420031.4	3740001	7.60E-02	0.00E+00	7.60E-02	7.44E-03
528	420037.2	3739987	7.42E-02	0.00E+00	7.42E-02	7.27E-03
529	420047.2	3739977	7.71E-02	0.00E+00	7.71E-02	7.55E-03
530	420028.5	3740017	8.12E-02	0.00E+00	8.12E-02	7.95E-03
531	420028.6	3740027	8.63E-02	0.00E+00	8.63E-02	8.45E-03
532	420028.6	3740036	9.08E-02	0.00E+00	9.08E-02	8.89E-03
533	420028.7	3740046	9.35E-02	0.00E+00	9.35E-02	9.16E-03
534	420028.7	3740055	9.43E-02	0.00E+00	9.43E-02	9.24E-03
535	420028.8	3740064	9.37E-02	0.00E+00	9.37E-02	9.18E-03
536	420028.8	3740074	9.15E-02	0.00E+00	9.15E-02	8.96E-03
537	420028.9	3740083	8.75E-02	0.00E+00	8.75E-02	8.57E-03
538	420028.9	3740093	8.27E-02	0.00E+00	8.27E-02	8.10E-03
539	420029	3740102	7.76E-02	0.00E+00	7.76E-02	7.60E-03
540	420029	3740111	7.30E-02	0.00E+00	7.30E-02	7.15E-03
541	420029.1	3740121	6.78E-02	0.00E+00	6.78E-02	6.64E-03
542	420021.4	3740001	6.35E-02	0.00E+00	6.35E-02	6.22E-03
543	420027.2	3739987	6.31E-02	0.00E+00	6.31E-02	6.18E-03
544	420040.1	3739970	6.49E-02	0.00E+00	6.49E-02	6.36E-03
545	420054.3	3739964	7.10E-02	0.00E+00	7.10E-02	6.95E-03
546	420018.5	3740017	6.65E-02	0.00E+00	6.65E-02	6.51E-03
547	420018.6	3740027	6.97E-02	0.00E+00	6.97E-02	6.83E-03
548	420018.6	3740036	7.27E-02	0.00E+00	7.27E-02	7.12E-03
549	420018.7	3740046	7.46E-02	0.00E+00	7.46E-02	7.31E-03
550	420018.7	3740055	7.55E-02	0.00E+00	7.55E-02	7.39E-03
551	420018.8	3740064	7.54E-02	0.00E+00	7.54E-02	7.39E-03
552	420018.8	3740074	7.44E-02	0.00E+00	7.44E-02	7.29E-03
553	420018.9	3740083	7.24E-02	0.00E+00	7.24E-02	7.09E-03
554	420018.9	3740093	6.96E-02	0.00E+00	6.96E-02	6.82E-03
555	420019	3740102	6.63E-02	0.00E+00	6.63E-02	6.50E-03
556	420019	3740111	6.29E-02	0.00E+00	6.29E-02	6.16E-03
557	420019.1	3740121	5.91E-02	0.00E+00	5.91E-02	5.78E-03

558	420011.9	3740000	5.40E-02	0.00E+00	5.40E-02	5.28E-03
559	420015.4	3739991	5.43E-02	0.00E+00	5.43E-02	5.32E-03
560	420018.9	3739982	5.42E-02	0.00E+00	5.42E-02	5.31E-03
561	420022.4	3739974	5.37E-02	0.00E+00	5.37E-02	5.25E-03
562	420034.4	3739962	5.64E-02	0.00E+00	5.64E-02	5.52E-03
563	420042.9	3739958	5.96E-02	0.00E+00	5.96E-02	5.84E-03
564	420051.4	3739955	6.20E-02	0.00E+00	6.20E-02	6.07E-03
565	420059.9	3739951	6.33E-02	0.00E+00	6.33E-02	6.20E-03
566	420008.5	3740008	5.32E-02	0.00E+00	5.32E-02	5.21E-03
567	420008.5	3740017	5.55E-02	0.00E+00	5.55E-02	5.43E-03
568	420008.6	3740027	5.77E-02	0.00E+00	5.77E-02	5.65E-03
569	420008.6	3740036	5.97E-02	0.00E+00	5.97E-02	5.84E-03
570	420008.7	3740046	6.11E-02	0.00E+00	6.11E-02	5.98E-03
571	420008.7	3740055	6.20E-02	0.00E+00	6.20E-02	6.07E-03
572	420008.8	3740064	6.23E-02	0.00E+00	6.23E-02	6.10E-03
573	420008.8	3740074	6.19E-02	0.00E+00	6.19E-02	6.06E-03
574	420008.9	3740083	6.10E-02	0.00E+00	6.10E-02	5.97E-03
575	420008.9	3740093	5.95E-02	0.00E+00	5.95E-02	5.82E-03
576	420009	3740102	5.74E-02	0.00E+00	5.74E-02	5.62E-03
577	420009	3740111	5.48E-02	0.00E+00	5.48E-02	5.37E-03
578	420009.1	3740121	5.19E-02	0.00E+00	5.19E-02	5.08E-03
579	420001.9	3740000	4.64E-02	0.00E+00	4.64E-02	4.54E-03
580	420008.6	3739983	4.72E-02	0.00E+00	4.72E-02	4.62E-03
581	420015.4	3739967	4.68E-02	0.00E+00	4.68E-02	4.59E-03
582	420027.1	3739955	4.91E-02	0.00E+00	4.91E-02	4.81E-03
583	420043.6	3739948	5.40E-02	0.00E+00	5.40E-02	5.29E-03
584	419998.5	3740017	4.71E-02	0.00E+00	4.71E-02	4.62E-03
585	419998.6	3740027	4.86E-02	0.00E+00	4.86E-02	4.76E-03
586	419998.6	3740036	5.00E-02	0.00E+00	5.00E-02	4.90E-03
587	419998.7	3740046	5.11E-02	0.00E+00	5.11E-02	5.01E-03
588	419998.7	3740055	5.19E-02	0.00E+00	5.19E-02	5.09E-03
589	419998.8	3740064	5.24E-02	0.00E+00	5.24E-02	5.13E-03
590	419998.8	3740074	5.25E-02	0.00E+00	5.25E-02	5.14E-03
591	419998.9	3740083	5.21E-02	0.00E+00	5.21E-02	5.10E-03
592	419998.9	3740093	5.13E-02	0.00E+00	5.13E-02	5.03E-03
593	419999	3740102	5.01E-02	0.00E+00	5.01E-02	4.90E-03
594	419999	3740111	4.82E-02	0.00E+00	4.82E-02	4.72E-03
595	419999.1	3740121	4.59E-02	0.00E+00	4.59E-02	4.50E-03
596	419991.8	3740000	4.03E-02	0.00E+00	4.03E-02	3.94E-03
597	419998.4	3739984	4.14E-02	0.00E+00	4.14E-02	4.05E-03
598	420005.1	3739968	4.16E-02	0.00E+00	4.16E-02	4.08E-03
599	420019.8	3739948	4.34E-02	0.00E+00	4.34E-02	4.25E-03
600	420036	3739941	4.77E-02	0.00E+00	4.77E-02	4.67E-03
601	420052.2	3739934	5.03E-02	0.00E+00	5.03E-02	4.92E-03
602	419988.5	3740018	4.07E-02	0.00E+00	4.07E-02	3.98E-03
603	419988.6	3740027	4.18E-02	0.00E+00	4.18E-02	4.09E-03
604	419988.6	3740036	4.28E-02	0.00E+00	4.28E-02	4.19E-03

605	419988.7	3740046	4.37E-02	0.00E+00	4.37E-02	4.28E-03
606	419988.7	3740055	4.44E-02	0.00E+00	4.44E-02	4.35E-03
607	419988.8	3740065	4.49E-02	0.00E+00	4.49E-02	4.39E-03
608	419988.8	3740074	4.50E-02	0.00E+00	4.50E-02	4.41E-03
609	419988.9	3740083	4.49E-02	0.00E+00	4.49E-02	4.40E-03
610	419988.9	3740093	4.45E-02	0.00E+00	4.45E-02	4.35E-03
611	419989	3740102	4.36E-02	0.00E+00	4.36E-02	4.27E-03
612	419989	3740112	4.23E-02	0.00E+00	4.23E-02	4.15E-03
613	419989.1	3740121	4.08E-02	0.00E+00	4.08E-02	3.99E-03
614	419981.7	3740000	3.53E-02	0.00E+00	3.53E-02	3.46E-03
615	419988.3	3739984	3.65E-02	0.00E+00	3.65E-02	3.57E-03
616	419994.8	3739968	3.70E-02	0.00E+00	3.70E-02	3.63E-03
617	420001.4	3739952	3.69E-02	0.00E+00	3.69E-02	3.61E-03
618	420012.6	3739941	3.86E-02	0.00E+00	3.86E-02	3.78E-03
619	420028.6	3739934	4.25E-02	0.00E+00	4.25E-02	4.16E-03
620	420044.5	3739928	4.50E-02	0.00E+00	4.50E-02	4.40E-03
621	419978.5	3740018	3.55E-02	0.00E+00	3.55E-02	3.47E-03
622	419978.6	3740027	3.63E-02	0.00E+00	3.63E-02	3.56E-03
623	419978.6	3740036	3.72E-02	0.00E+00	3.72E-02	3.64E-03
624	419978.7	3740046	3.79E-02	0.00E+00	3.79E-02	3.71E-03
625	419978.7	3740055	3.85E-02	0.00E+00	3.85E-02	3.77E-03
626	419978.8	3740065	3.89E-02	0.00E+00	3.89E-02	3.81E-03
627	419978.8	3740074	3.92E-02	0.00E+00	3.92E-02	3.83E-03
628	419978.9	3740083	3.92E-02	0.00E+00	3.92E-02	3.83E-03
629	419978.9	3740093	3.89E-02	0.00E+00	3.89E-02	3.81E-03
630	419979	3740102	3.84E-02	0.00E+00	3.84E-02	3.76E-03
631	419979	3740112	3.75E-02	0.00E+00	3.75E-02	3.67E-03
632	419979.1	3740121	3.64E-02	0.00E+00	3.64E-02	3.57E-03
633	419971.7	3740000	3.12E-02	0.00E+00	3.12E-02	3.06E-03
634	419978.2	3739985	3.24E-02	0.00E+00	3.24E-02	3.17E-03
635	419984.6	3739969	3.30E-02	0.00E+00	3.30E-02	3.23E-03
636	419991.1	3739953	3.32E-02	0.00E+00	3.32E-02	3.25E-03
637	420005.4	3739934	3.47E-02	0.00E+00	3.47E-02	3.39E-03
638	420021.2	3739927	3.80E-02	0.00E+00	3.80E-02	3.72E-03
639	420036.9	3739921	4.05E-02	0.00E+00	4.05E-02	3.96E-03
640	420052.7	3739914	4.14E-02	0.00E+00	4.14E-02	4.06E-03
641	419968.5	3740018	3.13E-02	0.00E+00	3.13E-02	3.06E-03
642	419968.6	3740027	3.20E-02	0.00E+00	3.20E-02	3.13E-03
643	419968.6	3740036	3.27E-02	0.00E+00	3.27E-02	3.20E-03
644	419968.7	3740046	3.33E-02	0.00E+00	3.33E-02	3.26E-03
645	419968.7	3740055	3.38E-02	0.00E+00	3.38E-02	3.31E-03
646	419968.8	3740065	3.42E-02	0.00E+00	3.42E-02	3.35E-03
647	419968.8	3740074	3.44E-02	0.00E+00	3.44E-02	3.37E-03
648	419968.9	3740083	3.45E-02	0.00E+00	3.45E-02	3.38E-03
649	419968.9	3740093	3.44E-02	0.00E+00	3.44E-02	3.37E-03
650	419969	3740102	3.41E-02	0.00E+00	3.41E-02	3.33E-03
651	419969	3740112	3.35E-02	0.00E+00	3.35E-02	3.28E-03

652	419969.1	3740121	3.28E-02	0.00E+00	3.28E-02	3.21E-03
653	419951.9	3740000	2.49E-02	0.00E+00	2.49E-02	2.44E-03
654	419955.4	3739991	2.55E-02	0.00E+00	2.55E-02	2.49E-03
655	419958.9	3739983	2.60E-02	0.00E+00	2.60E-02	2.54E-03
656	419962.4	3739974	2.64E-02	0.00E+00	2.64E-02	2.59E-03
657	419965.9	3739966	2.67E-02	0.00E+00	2.67E-02	2.62E-03
658	419969.4	3739957	2.69E-02	0.00E+00	2.69E-02	2.63E-03
659	419972.9	3739949	2.70E-02	0.00E+00	2.70E-02	2.65E-03
660	419976.4	3739940	2.72E-02	0.00E+00	2.72E-02	2.66E-03
661	419979.9	3739932	2.72E-02	0.00E+00	2.72E-02	2.66E-03
662	419991.9	3739920	2.86E-02	0.00E+00	2.86E-02	2.80E-03
663	420000.4	3739916	3.00E-02	0.00E+00	3.00E-02	2.94E-03
664	420008.9	3739912	3.14E-02	0.00E+00	3.14E-02	3.07E-03
665	420017.4	3739909	3.26E-02	0.00E+00	3.26E-02	3.19E-03
666	420025.9	3739905	3.35E-02	0.00E+00	3.35E-02	3.28E-03
667	419948.5	3740008	2.44E-02	0.00E+00	2.44E-02	2.39E-03
668	419948.5	3740018	2.50E-02	0.00E+00	2.50E-02	2.45E-03
669	419948.6	3740027	2.55E-02	0.00E+00	2.55E-02	2.50E-03
670	419948.6	3740037	2.61E-02	0.00E+00	2.61E-02	2.56E-03
671	419948.7	3740046	2.66E-02	0.00E+00	2.66E-02	2.60E-03
672	419948.7	3740055	2.70E-02	0.00E+00	2.70E-02	2.64E-03
673	419948.8	3740065	2.73E-02	0.00E+00	2.73E-02	2.67E-03
674	419948.8	3740074	2.76E-02	0.00E+00	2.76E-02	2.70E-03
675	419948.9	3740084	2.78E-02	0.00E+00	2.78E-02	2.72E-03
676	419948.9	3740093	2.79E-02	0.00E+00	2.79E-02	2.73E-03
677	419931.9	3740000	2.06E-02	0.00E+00	2.06E-02	2.01E-03
678	419938.6	3739984	2.11E-02	0.00E+00	2.11E-02	2.07E-03
679	419945.4	3739967	2.18E-02	0.00E+00	2.18E-02	2.14E-03
680	419952.2	3739950	2.24E-02	0.00E+00	2.24E-02	2.19E-03
681	419959	3739934	2.28E-02	0.00E+00	2.28E-02	2.23E-03
682	419965.8	3739917	2.29E-02	0.00E+00	2.29E-02	2.24E-03
683	419977.5	3739906	2.40E-02	0.00E+00	2.40E-02	2.35E-03
684	419928.5	3740018	2.07E-02	0.00E+00	2.07E-02	2.03E-03
685	419928.6	3740027	2.11E-02	0.00E+00	2.11E-02	2.07E-03
686	419928.6	3740037	2.15E-02	0.00E+00	2.15E-02	2.11E-03
687	419928.7	3740046	2.19E-02	0.00E+00	2.19E-02	2.15E-03
688	419928.7	3740055	2.23E-02	0.00E+00	2.23E-02	2.18E-03
689	419928.8	3740065	2.26E-02	0.00E+00	2.26E-02	2.21E-03
690	419928.8	3740074	2.28E-02	0.00E+00	2.28E-02	2.24E-03
691	419928.9	3740084	2.30E-02	0.00E+00	2.30E-02	2.26E-03
692	419928.9	3740093	2.32E-02	0.00E+00	2.32E-02	2.27E-03
693	419911.8	3740000	1.75E-02	0.00E+00	1.75E-02	1.71E-03
694	419918.4	3739984	1.78E-02	0.00E+00	1.78E-02	1.74E-03
695	419925.1	3739968	1.83E-02	0.00E+00	1.83E-02	1.79E-03
696	419931.7	3739952	1.88E-02	0.00E+00	1.88E-02	1.84E-03
697	419938.4	3739935	1.92E-02	0.00E+00	1.92E-02	1.88E-03
698	419945	3739919	1.94E-02	0.00E+00	1.94E-02	1.90E-03

699	419908.5	3740018	1.76E-02	0.00E+00	1.76E-02	1.73E-03
700	419908.6	3740027	1.79E-02	0.00E+00	1.79E-02	1.76E-03
701	419908.6	3740037	1.82E-02	0.00E+00	1.82E-02	1.78E-03
702	419908.7	3740046	1.85E-02	0.00E+00	1.85E-02	1.81E-03
703	419908.7	3740056	1.88E-02	0.00E+00	1.88E-02	1.84E-03
704	419908.8	3740065	1.91E-02	0.00E+00	1.91E-02	1.87E-03
705	419908.8	3740074	1.93E-02	0.00E+00	1.93E-02	1.89E-03
706	419908.9	3740084	1.94E-02	0.00E+00	1.94E-02	1.90E-03
707	419908.9	3740093	1.95E-02	0.00E+00	1.95E-02	1.91E-03
708	419909	3740103	1.96E-02	0.00E+00	1.96E-02	1.91E-03
709	419909.1	3740121	1.93E-02	0.00E+00	1.93E-02	1.89E-03
710	419891.9	3740000	1.51E-02	0.00E+00	1.51E-02	1.48E-03
711	419895.4	3739992	1.52E-02	0.00E+00	1.52E-02	1.49E-03
712	419898.9	3739983	1.53E-02	0.00E+00	1.53E-02	1.50E-03
713	419902.4	3739975	1.55E-02	0.00E+00	1.55E-02	1.52E-03
714	419905.9	3739966	1.57E-02	0.00E+00	1.57E-02	1.54E-03
715	419909.4	3739958	1.59E-02	0.00E+00	1.59E-02	1.56E-03
716	419912.9	3739949	1.61E-02	0.00E+00	1.61E-02	1.58E-03
717	419916.4	3739940	1.63E-02	0.00E+00	1.63E-02	1.60E-03
718	419919.9	3739932	1.65E-02	0.00E+00	1.65E-02	1.61E-03
719	419923.4	3739923	1.66E-02	0.00E+00	1.66E-02	1.63E-03
720	419926.9	3739915	1.67E-02	0.00E+00	1.67E-02	1.64E-03
721	419930.4	3739906	1.68E-02	0.00E+00	1.68E-02	1.65E-03
722	419888.5	3740009	1.49E-02	0.00E+00	1.49E-02	1.46E-03
723	419888.5	3740018	1.52E-02	0.00E+00	1.52E-02	1.48E-03
724	419888.6	3740027	1.54E-02	0.00E+00	1.54E-02	1.51E-03
725	419888.6	3740037	1.56E-02	0.00E+00	1.56E-02	1.53E-03
726	419888.7	3740046	1.59E-02	0.00E+00	1.59E-02	1.55E-03
727	419888.7	3740056	1.61E-02	0.00E+00	1.61E-02	1.57E-03
728	419888.8	3740065	1.63E-02	0.00E+00	1.63E-02	1.59E-03
729	419888.8	3740074	1.64E-02	0.00E+00	1.64E-02	1.61E-03
730	419888.9	3740084	1.66E-02	0.00E+00	1.66E-02	1.62E-03
731	419888.9	3740093	1.66E-02	0.00E+00	1.66E-02	1.63E-03
732	419889.1	3740121	1.66E-02	0.00E+00	1.66E-02	1.63E-03
733	419871.9	3740000	1.31E-02	0.00E+00	1.31E-02	1.28E-03
734	419875.3	3739992	1.32E-02	0.00E+00	1.32E-02	1.30E-03
735	419882.1	3739975	1.35E-02	0.00E+00	1.35E-02	1.32E-03
736	419889	3739959	1.38E-02	0.00E+00	1.38E-02	1.35E-03
737	419892.4	3739950	1.40E-02	0.00E+00	1.40E-02	1.37E-03
738	419899.3	3739934	1.43E-02	0.00E+00	1.43E-02	1.40E-03
739	419906.1	3739917	1.45E-02	0.00E+00	1.45E-02	1.42E-03
740	419868.5	3740018	1.31E-02	0.00E+00	1.31E-02	1.29E-03
741	419868.6	3740028	1.33E-02	0.00E+00	1.33E-02	1.31E-03
742	419868.6	3740037	1.35E-02	0.00E+00	1.35E-02	1.32E-03
743	419868.7	3740046	1.37E-02	0.00E+00	1.37E-02	1.34E-03
744	419868.7	3740056	1.39E-02	0.00E+00	1.39E-02	1.36E-03
745	419868.8	3740065	1.40E-02	0.00E+00	1.40E-02	1.37E-03

746	419868.8	3740075	1.42E-02	0.00E+00	1.42E-02	1.39E-03
747	419868.9	3740084	1.43E-02	0.00E+00	1.43E-02	1.40E-03
748	419868.9	3740093	1.44E-02	0.00E+00	1.44E-02	1.41E-03
749	419869.1	3740122	1.44E-02	0.00E+00	1.44E-02	1.41E-03
750	419852	3740000	1.15E-02	0.00E+00	1.15E-02	1.13E-03
751	419855.6	3739992	1.16E-02	0.00E+00	1.16E-02	1.14E-03
752	419859.1	3739983	1.18E-02	0.00E+00	1.18E-02	1.15E-03
753	419862.7	3739974	1.19E-02	0.00E+00	1.19E-02	1.16E-03
754	419866.2	3739965	1.20E-02	0.00E+00	1.20E-02	1.18E-03
755	419869.8	3739957	1.22E-02	0.00E+00	1.22E-02	1.19E-03
756	419873.3	3739948	1.23E-02	0.00E+00	1.23E-02	1.20E-03
757	419876.9	3739939	1.24E-02	0.00E+00	1.24E-02	1.22E-03
758	419880.5	3739931	1.25E-02	0.00E+00	1.25E-02	1.23E-03
759	419884	3739922	1.27E-02	0.00E+00	1.27E-02	1.24E-03
760	419887.6	3739913	1.28E-02	0.00E+00	1.28E-02	1.25E-03
761	419848.5	3740009	1.14E-02	0.00E+00	1.14E-02	1.11E-03
762	419848.5	3740018	1.15E-02	0.00E+00	1.15E-02	1.13E-03
763	419848.6	3740028	1.16E-02	0.00E+00	1.16E-02	1.14E-03
764	419848.6	3740037	1.18E-02	0.00E+00	1.18E-02	1.15E-03
765	419848.7	3740047	1.19E-02	0.00E+00	1.19E-02	1.17E-03
766	419848.7	3740056	1.21E-02	0.00E+00	1.21E-02	1.18E-03
767	419848.8	3740065	1.22E-02	0.00E+00	1.22E-02	1.20E-03
768	419848.8	3740075	1.24E-02	0.00E+00	1.24E-02	1.21E-03
769	419848.9	3740084	1.25E-02	0.00E+00	1.25E-02	1.22E-03
770	419848.9	3740093	1.26E-02	0.00E+00	1.26E-02	1.23E-03
771	419849.1	3740122	1.27E-02	0.00E+00	1.27E-02	1.24E-03
772	419831.9	3740001	1.02E-02	0.00E+00	1.02E-02	9.96E-04
773	419835.4	3739992	1.03E-02	0.00E+00	1.03E-02	1.01E-03
774	419838.9	3739983	1.04E-02	0.00E+00	1.04E-02	1.02E-03
775	419842.4	3739975	1.05E-02	0.00E+00	1.05E-02	1.03E-03
776	419845.9	3739966	1.06E-02	0.00E+00	1.06E-02	1.04E-03
777	419849.4	3739958	1.07E-02	0.00E+00	1.07E-02	1.05E-03
778	419852.9	3739949	1.08E-02	0.00E+00	1.08E-02	1.06E-03
779	419856.4	3739941	1.09E-02	0.00E+00	1.09E-02	1.07E-03
780	419859.9	3739932	1.10E-02	0.00E+00	1.10E-02	1.08E-03
781	419863.4	3739924	1.11E-02	0.00E+00	1.11E-02	1.09E-03
782	419866.9	3739915	1.12E-02	0.00E+00	1.12E-02	1.10E-03
783	419870.4	3739907	1.13E-02	0.00E+00	1.13E-02	1.11E-03
784	419828.5	3740009	1.01E-02	0.00E+00	1.01E-02	9.86E-04
785	419828.5	3740018	1.02E-02	0.00E+00	1.02E-02	9.97E-04
786	419828.6	3740028	1.03E-02	0.00E+00	1.03E-02	1.01E-03
787	419828.6	3740037	1.04E-02	0.00E+00	1.04E-02	1.02E-03
788	419828.7	3740047	1.05E-02	0.00E+00	1.05E-02	1.03E-03
789	419828.7	3740056	1.07E-02	0.00E+00	1.07E-02	1.04E-03
790	419828.8	3740065	1.08E-02	0.00E+00	1.08E-02	1.06E-03
791	419828.8	3740075	1.09E-02	0.00E+00	1.09E-02	1.07E-03
792	419828.9	3740084	1.10E-02	0.00E+00	1.10E-02	1.08E-03

793	419828.9	3740094	1.11E-02	0.00E+00	1.11E-02	1.08E-03
794	419829.1	3740122	1.12E-02	0.00E+00	1.12E-02	1.10E-03
795	419811.9	3740001	9.06E-03	0.00E+00	9.06E-03	8.88E-04
796	419815.3	3739992	9.14E-03	0.00E+00	9.14E-03	8.95E-04
797	419822.2	3739976	9.32E-03	0.00E+00	9.32E-03	9.13E-04
798	419829.1	3739959	9.53E-03	0.00E+00	9.53E-03	9.33E-04
799	419832.5	3739950	9.63E-03	0.00E+00	9.63E-03	9.43E-04
800	419839.4	3739934	9.80E-03	0.00E+00	9.80E-03	9.60E-04
801	419846.3	3739917	9.96E-03	0.00E+00	9.96E-03	9.75E-04
802	419849.7	3739908	1.00E-02	0.00E+00	1.00E-02	9.83E-04
803	419808.5	3740009	8.99E-03	0.00E+00	8.99E-03	8.80E-04
804	419808.5	3740019	9.09E-03	0.00E+00	9.09E-03	8.90E-04
805	419808.6	3740028	9.18E-03	0.00E+00	9.18E-03	8.99E-04
806	419808.6	3740037	9.28E-03	0.00E+00	9.28E-03	9.09E-04
807	419808.7	3740047	9.39E-03	0.00E+00	9.39E-03	9.19E-04
808	419808.7	3740056	9.49E-03	0.00E+00	9.49E-03	9.29E-04
809	419808.8	3740066	9.59E-03	0.00E+00	9.59E-03	9.39E-04
810	419808.8	3740075	9.68E-03	0.00E+00	9.68E-03	9.48E-04
811	419808.9	3740084	9.76E-03	0.00E+00	9.76E-03	9.56E-04
812	419808.9	3740094	9.84E-03	0.00E+00	9.84E-03	9.63E-04
813	419809.1	3740122	1.00E-02	0.00E+00	1.00E-02	9.79E-04
814	419799.1	3739983	8.27E-03	0.00E+00	8.27E-03	8.10E-04
815	419802.6	3739975	8.35E-03	0.00E+00	8.35E-03	8.18E-04
816	419806.2	3739966	8.44E-03	0.00E+00	8.44E-03	8.27E-04
817	419809.7	3739957	8.54E-03	0.00E+00	8.54E-03	8.36E-04
818	419813.3	3739949	8.63E-03	0.00E+00	8.63E-03	8.45E-04
819	419816.8	3739940	8.71E-03	0.00E+00	8.71E-03	8.53E-04
820	419820.3	3739931	8.79E-03	0.00E+00	8.79E-03	8.61E-04
821	419823.9	3739923	8.86E-03	0.00E+00	8.86E-03	8.68E-04
822	419827.4	3739914	8.93E-03	0.00E+00	8.93E-03	8.74E-04
823	419799.9	3739933	7.89E-03	0.00E+00	7.89E-03	7.72E-04
824	419803.4	3739924	7.96E-03	0.00E+00	7.96E-03	7.79E-04
825	419806.9	3739916	8.02E-03	0.00E+00	8.02E-03	7.85E-04
826	419810.4	3739907	8.07E-03	0.00E+00	8.07E-03	7.90E-04
827	419768.5	3740009	7.33E-03	0.00E+00	7.33E-03	7.18E-04
828	419768.5	3740019	7.40E-03	0.00E+00	7.40E-03	7.25E-04
829	419768.6	3740028	7.47E-03	0.00E+00	7.47E-03	7.31E-04
830	419768.6	3740038	7.54E-03	0.00E+00	7.54E-03	7.38E-04
831	419768.7	3740047	7.61E-03	0.00E+00	7.61E-03	7.45E-04
832	419768.7	3740056	7.67E-03	0.00E+00	7.67E-03	7.51E-04
833	419768.8	3740066	7.74E-03	0.00E+00	7.74E-03	7.58E-04
834	419768.8	3740075	7.81E-03	0.00E+00	7.81E-03	7.65E-04
835	419768.9	3740085	7.88E-03	0.00E+00	7.88E-03	7.71E-04
836	419768.9	3740094	7.94E-03	0.00E+00	7.94E-03	7.77E-04
837	419769	3740103	8.00E-03	0.00E+00	8.00E-03	7.83E-04
838	419769	3740113	8.05E-03	0.00E+00	8.05E-03	7.88E-04
839	419769.1	3740122	8.09E-03	0.00E+00	8.09E-03	7.92E-04

840	419742	3740001	6.43E-03	0.00E+00	6.43E-03	6.30E-04
841	419745.6	3739992	6.48E-03	0.00E+00	6.48E-03	6.34E-04
842	419749.1	3739983	6.52E-03	0.00E+00	6.52E-03	6.39E-04
843	419752.7	3739975	6.57E-03	0.00E+00	6.57E-03	6.43E-04
844	419756.2	3739966	6.61E-03	0.00E+00	6.61E-03	6.47E-04
845	419759.8	3739957	6.64E-03	0.00E+00	6.64E-03	6.51E-04
846	419763.4	3739949	6.68E-03	0.00E+00	6.68E-03	6.54E-04
847	419766.9	3739940	6.73E-03	0.00E+00	6.73E-03	6.59E-04
848	419770.5	3739931	6.79E-03	0.00E+00	6.79E-03	6.65E-04
849	419738.5	3740010	6.38E-03	0.00E+00	6.38E-03	6.25E-04
850	419738.5	3740019	6.43E-03	0.00E+00	6.43E-03	6.30E-04
851	419738.6	3740028	6.48E-03	0.00E+00	6.48E-03	6.35E-04
852	419738.6	3740038	6.53E-03	0.00E+00	6.53E-03	6.40E-04
853	419738.7	3740047	6.59E-03	0.00E+00	6.59E-03	6.45E-04
854	419738.7	3740057	6.65E-03	0.00E+00	6.65E-03	6.51E-04
855	419738.8	3740066	6.71E-03	0.00E+00	6.71E-03	6.57E-04
856	419738.8	3740075	6.76E-03	0.00E+00	6.76E-03	6.62E-04
857	419738.9	3740085	6.81E-03	0.00E+00	6.81E-03	6.67E-04
858	419738.9	3740094	6.85E-03	0.00E+00	6.85E-03	6.71E-04
859	419739	3740103	6.89E-03	0.00E+00	6.89E-03	6.75E-04
860	419739	3740113	6.93E-03	0.00E+00	6.93E-03	6.79E-04
861	419739.1	3740122	6.96E-03	0.00E+00	6.96E-03	6.82E-04
862	419712	3740001	5.65E-03	0.00E+00	5.65E-03	5.53E-04
863	419715.4	3739993	5.68E-03	0.00E+00	5.68E-03	5.56E-04
864	419718.9	3739984	5.71E-03	0.00E+00	5.71E-03	5.59E-04
865	419722.4	3739976	5.74E-03	0.00E+00	5.74E-03	5.62E-04
866	419725.9	3739967	5.78E-03	0.00E+00	5.78E-03	5.66E-04
867	419729.4	3739959	5.83E-03	0.00E+00	5.83E-03	5.71E-04
868	419732.9	3739950	5.87E-03	0.00E+00	5.87E-03	5.75E-04
869	419736.4	3739941	5.91E-03	0.00E+00	5.91E-03	5.79E-04
870	419739.9	3739933	5.94E-03	0.00E+00	5.94E-03	5.82E-04
871	419743.4	3739924	5.98E-03	0.00E+00	5.98E-03	5.85E-04
872	419746.9	3739916	6.02E-03	0.00E+00	6.02E-03	5.89E-04
873	419750.4	3739907	6.06E-03	0.00E+00	6.06E-03	5.93E-04
874	419753.8	3739899	6.10E-03	0.00E+00	6.10E-03	5.97E-04
875	419757.3	3739890	6.14E-03	0.00E+00	6.14E-03	6.01E-04
876	419760.8	3739882	6.20E-03	0.00E+00	6.20E-03	6.07E-04
877	419764.3	3739873	6.27E-03	0.00E+00	6.27E-03	6.14E-04
878	419767.8	3739865	6.33E-03	0.00E+00	6.33E-03	6.19E-04
879	419708.5	3740010	5.61E-03	0.00E+00	5.61E-03	5.49E-04
880	419708.5	3740019	5.65E-03	0.00E+00	5.65E-03	5.53E-04
881	419708.6	3740028	5.69E-03	0.00E+00	5.69E-03	5.57E-04
882	419708.6	3740038	5.74E-03	0.00E+00	5.74E-03	5.62E-04
883	419708.7	3740047	5.78E-03	0.00E+00	5.78E-03	5.66E-04
884	419708.7	3740057	5.83E-03	0.00E+00	5.83E-03	5.71E-04
885	419708.8	3740066	5.88E-03	0.00E+00	5.88E-03	5.75E-04
886	419708.8	3740075	5.92E-03	0.00E+00	5.92E-03	5.79E-04

887	419708.9	3740085	5.95E-03	0.00E+00	5.95E-03	5.82E-04
888	419708.9	3740094	5.98E-03	0.00E+00	5.98E-03	5.85E-04
889	419709	3740104	6.00E-03	0.00E+00	6.00E-03	5.88E-04
890	419709	3740113	6.04E-03	0.00E+00	6.04E-03	5.91E-04
891	419709.1	3740122	6.06E-03	0.00E+00	6.06E-03	5.94E-04
892	419682	3740001	5.00E-03	0.00E+00	5.00E-03	4.90E-04
893	419685.6	3739993	5.03E-03	0.00E+00	5.03E-03	4.92E-04
894	419689.1	3739984	5.05E-03	0.00E+00	5.05E-03	4.95E-04
895	419692.6	3739975	5.08E-03	0.00E+00	5.08E-03	4.98E-04
896	419696.2	3739967	5.13E-03	0.00E+00	5.13E-03	5.02E-04
897	419699.7	3739958	5.17E-03	0.00E+00	5.17E-03	5.06E-04
898	419703.3	3739949	5.20E-03	0.00E+00	5.20E-03	5.10E-04
899	419706.8	3739941	5.24E-03	0.00E+00	5.24E-03	5.13E-04
900	419710.4	3739932	5.28E-03	0.00E+00	5.28E-03	5.17E-04
901	419713.9	3739923	5.31E-03	0.00E+00	5.31E-03	5.20E-04
902	419717.5	3739915	5.35E-03	0.00E+00	5.35E-03	5.24E-04
903	419721	3739906	5.39E-03	0.00E+00	5.39E-03	5.28E-04
904	419724.6	3739897	5.44E-03	0.00E+00	5.44E-03	5.32E-04
905	419728.1	3739889	5.47E-03	0.00E+00	5.47E-03	5.36E-04
906	419731.6	3739880	5.51E-03	0.00E+00	5.51E-03	5.40E-04
907	419735.2	3739871	5.56E-03	0.00E+00	5.56E-03	5.44E-04
908	419738.7	3739863	5.60E-03	0.00E+00	5.60E-03	5.48E-04
909	419742.3	3739854	5.64E-03	0.00E+00	5.64E-03	5.53E-04
910	419745.8	3739845	5.69E-03	0.00E+00	5.69E-03	5.57E-04
911	419749.4	3739837	5.73E-03	0.00E+00	5.73E-03	5.61E-04
912	419752.9	3739828	5.77E-03	0.00E+00	5.77E-03	5.65E-04
913	419756.5	3739819	5.80E-03	0.00E+00	5.80E-03	5.68E-04
914	419760	3739811	5.83E-03	0.00E+00	5.83E-03	5.71E-04
915	419763.6	3739802	5.85E-03	0.00E+00	5.85E-03	5.73E-04
916	419678.5	3740010	4.97E-03	0.00E+00	4.97E-03	4.87E-04
917	419678.5	3740019	5.01E-03	0.00E+00	5.01E-03	4.91E-04
918	419678.6	3740029	5.05E-03	0.00E+00	5.05E-03	4.94E-04
919	419678.6	3740038	5.08E-03	0.00E+00	5.08E-03	4.98E-04
920	419678.7	3740047	5.12E-03	0.00E+00	5.12E-03	5.01E-04
921	419678.7	3740057	5.16E-03	0.00E+00	5.16E-03	5.05E-04
922	419678.8	3740066	5.20E-03	0.00E+00	5.20E-03	5.09E-04
923	419678.8	3740076	5.23E-03	0.00E+00	5.23E-03	5.12E-04
924	419678.9	3740085	5.26E-03	0.00E+00	5.26E-03	5.15E-04
925	419678.9	3740094	5.29E-03	0.00E+00	5.29E-03	5.18E-04
926	419679	3740104	5.31E-03	0.00E+00	5.31E-03	5.20E-04
927	419679	3740113	5.34E-03	0.00E+00	5.34E-03	5.23E-04
928	419679.1	3740123	5.37E-03	0.00E+00	5.37E-03	5.26E-04
929	419652	3740001	4.46E-03	0.00E+00	4.46E-03	4.36E-04
930	419655.4	3739993	4.48E-03	0.00E+00	4.48E-03	4.39E-04
931	419658.9	3739984	4.50E-03	0.00E+00	4.50E-03	4.41E-04
932	419662.4	3739976	4.53E-03	0.00E+00	4.53E-03	4.44E-04
933	419665.9	3739967	4.56E-03	0.00E+00	4.56E-03	4.47E-04

934	419669.4	3739959	4.59E-03	0.00E+00	4.59E-03	4.50E-04
935	419672.9	3739950	4.63E-03	0.00E+00	4.63E-03	4.53E-04
936	419676.4	3739942	4.67E-03	0.00E+00	4.67E-03	4.57E-04
937	419679.9	3739933	4.71E-03	0.00E+00	4.71E-03	4.61E-04
938	419683.4	3739925	4.74E-03	0.00E+00	4.74E-03	4.64E-04
939	419686.9	3739916	4.78E-03	0.00E+00	4.78E-03	4.68E-04
940	419690.4	3739908	4.81E-03	0.00E+00	4.81E-03	4.71E-04
941	419693.8	3739899	4.85E-03	0.00E+00	4.85E-03	4.75E-04
942	419697.3	3739891	4.89E-03	0.00E+00	4.89E-03	4.79E-04
943	419700.8	3739882	4.92E-03	0.00E+00	4.92E-03	4.82E-04
944	419704.3	3739874	4.95E-03	0.00E+00	4.95E-03	4.85E-04
945	419707.8	3739865	4.98E-03	0.00E+00	4.98E-03	4.87E-04
946	419711.3	3739857	5.01E-03	0.00E+00	5.01E-03	4.91E-04
947	419714.8	3739848	5.04E-03	0.00E+00	5.04E-03	4.94E-04
948	419718.3	3739839	5.08E-03	0.00E+00	5.08E-03	4.97E-04
949	419721.8	3739831	5.11E-03	0.00E+00	5.11E-03	5.00E-04
950	419725.3	3739822	5.14E-03	0.00E+00	5.14E-03	5.03E-04
951	419728.8	3739814	5.16E-03	0.00E+00	5.16E-03	5.06E-04
952	419732.3	3739805	5.19E-03	0.00E+00	5.19E-03	5.08E-04
953	419735.7	3739797	5.22E-03	0.00E+00	5.22E-03	5.11E-04
954	419648.5	3740010	4.43E-03	0.00E+00	4.43E-03	4.34E-04
955	419648.5	3740019	4.47E-03	0.00E+00	4.47E-03	4.37E-04
956	419648.6	3740029	4.50E-03	0.00E+00	4.50E-03	4.41E-04
957	419648.6	3740038	4.54E-03	0.00E+00	4.54E-03	4.44E-04
958	419648.7	3740048	4.57E-03	0.00E+00	4.57E-03	4.47E-04
959	419648.7	3740057	4.60E-03	0.00E+00	4.60E-03	4.50E-04
960	419648.8	3740066	4.63E-03	0.00E+00	4.63E-03	4.54E-04
961	419648.8	3740076	4.66E-03	0.00E+00	4.66E-03	4.56E-04
962	419648.9	3740085	4.69E-03	0.00E+00	4.69E-03	4.59E-04
963	419648.9	3740095	4.71E-03	0.00E+00	4.71E-03	4.62E-04
964	419649	3740104	4.74E-03	0.00E+00	4.74E-03	4.64E-04
965	419649	3740113	4.77E-03	0.00E+00	4.77E-03	4.67E-04
966	419649.1	3740123	4.80E-03	0.00E+00	4.80E-03	4.70E-04
967	419622	3740002	3.99E-03	0.00E+00	3.99E-03	3.91E-04
968	419625.5	3739993	4.02E-03	0.00E+00	4.02E-03	3.94E-04
969	419629.1	3739984	4.05E-03	0.00E+00	4.05E-03	3.96E-04
970	419632.6	3739976	4.08E-03	0.00E+00	4.08E-03	3.99E-04
971	419636.2	3739967	4.11E-03	0.00E+00	4.11E-03	4.03E-04
972	419639.7	3739958	4.14E-03	0.00E+00	4.14E-03	4.06E-04
973	419643.2	3739950	4.17E-03	0.00E+00	4.17E-03	4.09E-04
974	419646.8	3739941	4.21E-03	0.00E+00	4.21E-03	4.12E-04
975	419650.3	3739932	4.24E-03	0.00E+00	4.24E-03	4.15E-04
976	419653.8	3739924	4.27E-03	0.00E+00	4.27E-03	4.18E-04
977	419657.4	3739915	4.30E-03	0.00E+00	4.30E-03	4.21E-04
978	419660.9	3739906	4.33E-03	0.00E+00	4.33E-03	4.24E-04
979	419664.5	3739898	4.36E-03	0.00E+00	4.36E-03	4.27E-04
980	419668	3739889	4.39E-03	0.00E+00	4.39E-03	4.29E-04

981	419671.5	3739881	4.41E-03	0.00E+00	4.41E-03	4.32E-04
982	419675.1	3739872	4.44E-03	0.00E+00	4.44E-03	4.34E-04
983	419678.6	3739863	4.46E-03	0.00E+00	4.46E-03	4.37E-04
984	419682.2	3739855	4.49E-03	0.00E+00	4.49E-03	4.40E-04
985	419685.7	3739846	4.52E-03	0.00E+00	4.52E-03	4.43E-04
986	419689.2	3739837	4.55E-03	0.00E+00	4.55E-03	4.45E-04
987	419692.8	3739829	4.58E-03	0.00E+00	4.58E-03	4.48E-04
988	419696.3	3739820	4.60E-03	0.00E+00	4.60E-03	4.51E-04
989	419699.8	3739811	4.63E-03	0.00E+00	4.63E-03	4.53E-04
990	419703.4	3739803	4.65E-03	0.00E+00	4.65E-03	4.56E-04
991	419706.9	3739794	4.68E-03	0.00E+00	4.68E-03	4.58E-04
992	419618.5	3740010	3.97E-03	0.00E+00	3.97E-03	3.88E-04
993	419618.5	3740020	4.00E-03	0.00E+00	4.00E-03	3.92E-04
994	419618.6	3740029	4.04E-03	0.00E+00	4.04E-03	3.95E-04
995	419618.6	3740038	4.07E-03	0.00E+00	4.07E-03	3.99E-04
996	419618.7	3740048	4.10E-03	0.00E+00	4.10E-03	4.01E-04
997	419618.7	3740057	4.13E-03	0.00E+00	4.13E-03	4.04E-04
998	419618.8	3740067	4.16E-03	0.00E+00	4.16E-03	4.07E-04
999	419618.8	3740076	4.18E-03	0.00E+00	4.18E-03	4.09E-04
1000	419618.9	3740085	4.21E-03	0.00E+00	4.21E-03	4.12E-04
1001	419618.9	3740095	4.23E-03	0.00E+00	4.23E-03	4.14E-04
1002	419619	3740104	4.25E-03	0.00E+00	4.25E-03	4.16E-04
1003	419619	3740114	4.28E-03	0.00E+00	4.28E-03	4.19E-04
1004	419619.1	3740123	4.31E-03	0.00E+00	4.31E-03	4.22E-04
1005	419592	3740002	3.62E-03	0.00E+00	3.62E-03	3.55E-04
1006	419595.4	3739993	3.64E-03	0.00E+00	3.64E-03	3.57E-04
1007	419598.9	3739985	3.66E-03	0.00E+00	3.66E-03	3.59E-04
1008	419602.4	3739976	3.69E-03	0.00E+00	3.69E-03	3.61E-04
1009	419605.9	3739968	3.71E-03	0.00E+00	3.71E-03	3.64E-04
1010	419609.4	3739959	3.74E-03	0.00E+00	3.74E-03	3.67E-04
1011	419612.9	3739951	3.77E-03	0.00E+00	3.77E-03	3.70E-04
1012	419616.4	3739942	3.80E-03	0.00E+00	3.80E-03	3.72E-04
1013	419619.9	3739934	3.83E-03	0.00E+00	3.83E-03	3.75E-04
1014	419623.4	3739925	3.85E-03	0.00E+00	3.85E-03	3.77E-04
1015	419626.9	3739917	3.88E-03	0.00E+00	3.88E-03	3.80E-04
1016	419630.4	3739908	3.90E-03	0.00E+00	3.90E-03	3.82E-04
1017	419633.8	3739899	3.92E-03	0.00E+00	3.92E-03	3.84E-04
1018	419637.3	3739891	3.95E-03	0.00E+00	3.95E-03	3.86E-04
1019	419640.8	3739882	3.97E-03	0.00E+00	3.97E-03	3.89E-04
1020	419644.3	3739874	3.99E-03	0.00E+00	3.99E-03	3.91E-04
1021	419647.8	3739865	4.01E-03	0.00E+00	4.01E-03	3.93E-04
1022	419651.3	3739857	4.03E-03	0.00E+00	4.03E-03	3.95E-04
1023	419654.8	3739848	4.06E-03	0.00E+00	4.06E-03	3.97E-04
1024	419658.3	3739840	4.08E-03	0.00E+00	4.08E-03	4.00E-04
1025	419661.8	3739831	4.11E-03	0.00E+00	4.11E-03	4.02E-04
1026	419665.3	3739823	4.13E-03	0.00E+00	4.13E-03	4.05E-04
1027	419668.8	3739814	4.16E-03	0.00E+00	4.16E-03	4.07E-04

1028	419672.3	3739806	4.18E-03	0.00E+00	4.18E-03	4.09E-04
1029	419675.7	3739797	4.20E-03	0.00E+00	4.20E-03	4.12E-04
1030	419679.2	3739789	4.22E-03	0.00E+00	4.22E-03	4.14E-04
1031	419588.5	3740010	3.61E-03	0.00E+00	3.61E-03	3.53E-04
1032	419588.5	3740020	3.63E-03	0.00E+00	3.63E-03	3.56E-04
1033	419588.6	3740029	3.66E-03	0.00E+00	3.66E-03	3.58E-04
1034	419588.6	3740039	3.68E-03	0.00E+00	3.68E-03	3.61E-04
1035	419588.7	3740048	3.71E-03	0.00E+00	3.71E-03	3.63E-04
1036	419588.7	3740057	3.73E-03	0.00E+00	3.73E-03	3.65E-04
1037	419588.8	3740067	3.75E-03	0.00E+00	3.75E-03	3.67E-04
1038	419588.8	3740076	3.77E-03	0.00E+00	3.77E-03	3.69E-04
1039	419588.9	3740086	3.79E-03	0.00E+00	3.79E-03	3.71E-04
1040	419588.9	3740095	3.81E-03	0.00E+00	3.81E-03	3.73E-04
1041	419589	3740104	3.83E-03	0.00E+00	3.83E-03	3.76E-04
1042	419589	3740114	3.86E-03	0.00E+00	3.86E-03	3.78E-04
1043	419589.1	3740123	3.88E-03	0.00E+00	3.88E-03	3.80E-04
1044	419562	3740002	3.32E-03	0.00E+00	3.32E-03	3.25E-04
1045	419565.5	3739993	3.34E-03	0.00E+00	3.34E-03	3.27E-04
1046	419569.1	3739985	3.36E-03	0.00E+00	3.36E-03	3.29E-04
1047	419572.6	3739976	3.37E-03	0.00E+00	3.37E-03	3.30E-04
1048	419576.1	3739967	3.39E-03	0.00E+00	3.39E-03	3.32E-04
1049	419579.7	3739959	3.41E-03	0.00E+00	3.41E-03	3.33E-04
1050	419583.2	3739950	3.43E-03	0.00E+00	3.43E-03	3.36E-04
1051	419586.7	3739941	3.45E-03	0.00E+00	3.45E-03	3.38E-04
1052	419590.3	3739933	3.47E-03	0.00E+00	3.47E-03	3.40E-04
1053	419593.8	3739924	3.49E-03	0.00E+00	3.49E-03	3.42E-04
1054	419597.3	3739916	3.51E-03	0.00E+00	3.51E-03	3.44E-04
1055	419600.9	3739907	3.54E-03	0.00E+00	3.54E-03	3.46E-04
1056	419604.4	3739898	3.56E-03	0.00E+00	3.56E-03	3.48E-04
1057	419607.9	3739890	3.58E-03	0.00E+00	3.58E-03	3.50E-04
1058	419611.5	3739881	3.60E-03	0.00E+00	3.60E-03	3.52E-04
1059	419615	3739872	3.62E-03	0.00E+00	3.62E-03	3.54E-04
1060	419618.5	3739864	3.64E-03	0.00E+00	3.64E-03	3.56E-04
1061	419622.1	3739855	3.66E-03	0.00E+00	3.66E-03	3.58E-04
1062	419625.6	3739847	3.68E-03	0.00E+00	3.68E-03	3.60E-04
1063	419629.1	3739838	3.70E-03	0.00E+00	3.70E-03	3.63E-04
1064	419632.7	3739829	3.72E-03	0.00E+00	3.72E-03	3.65E-04
1065	419636.2	3739821	3.75E-03	0.00E+00	3.75E-03	3.67E-04
1066	419639.7	3739812	3.77E-03	0.00E+00	3.77E-03	3.69E-04
1067	419643.3	3739803	3.79E-03	0.00E+00	3.79E-03	3.71E-04
1068	419646.8	3739795	3.81E-03	0.00E+00	3.81E-03	3.73E-04
1069	419650.3	3739786	3.83E-03	0.00E+00	3.83E-03	3.75E-04
1070	419653.8	3739778	3.85E-03	0.00E+00	3.85E-03	3.77E-04
1071	419558.5	3740011	3.31E-03	0.00E+00	3.31E-03	3.24E-04
1072	419558.5	3740020	3.32E-03	0.00E+00	3.32E-03	3.25E-04
1073	419558.6	3740029	3.34E-03	0.00E+00	3.34E-03	3.27E-04
1074	419558.6	3740039	3.36E-03	0.00E+00	3.36E-03	3.29E-04

1075	419558.7	3740048	3.37E-03	0.00E+00	3.37E-03	3.30E-04
1076	419558.7	3740058	3.39E-03	0.00E+00	3.39E-03	3.32E-04
1077	419558.8	3740067	3.41E-03	0.00E+00	3.41E-03	3.34E-04
1078	419558.8	3740076	3.43E-03	0.00E+00	3.43E-03	3.36E-04
1079	419558.9	3740086	3.44E-03	0.00E+00	3.44E-03	3.37E-04
1080	419558.9	3740095	3.46E-03	0.00E+00	3.46E-03	3.39E-04
1081	419559	3740104	3.48E-03	0.00E+00	3.48E-03	3.41E-04
1082	419559	3740114	3.50E-03	0.00E+00	3.50E-03	3.43E-04
1083	419559.1	3740123	3.52E-03	0.00E+00	3.52E-03	3.45E-04
1084	419532	3740002	3.05E-03	0.00E+00	3.05E-03	2.98E-04
1085	419535.4	3739994	3.06E-03	0.00E+00	3.06E-03	3.00E-04
1086	419538.9	3739985	3.08E-03	0.00E+00	3.08E-03	3.02E-04
1087	419542.4	3739977	3.10E-03	0.00E+00	3.10E-03	3.03E-04
1088	419545.9	3739968	3.11E-03	0.00E+00	3.11E-03	3.05E-04
1089	419549.4	3739960	3.13E-03	0.00E+00	3.13E-03	3.07E-04
1090	419552.9	3739951	3.15E-03	0.00E+00	3.15E-03	3.08E-04
1091	419556.4	3739942	3.16E-03	0.00E+00	3.16E-03	3.09E-04
1092	419559.9	3739934	3.17E-03	0.00E+00	3.17E-03	3.11E-04
1093	419563.4	3739925	3.19E-03	0.00E+00	3.19E-03	3.12E-04
1094	419566.9	3739917	3.20E-03	0.00E+00	3.20E-03	3.14E-04
1095	419570.4	3739908	3.22E-03	0.00E+00	3.22E-03	3.16E-04
1096	419573.8	3739900	3.24E-03	0.00E+00	3.24E-03	3.18E-04
1097	419577.3	3739891	3.26E-03	0.00E+00	3.26E-03	3.19E-04
1098	419580.8	3739883	3.28E-03	0.00E+00	3.28E-03	3.22E-04
1099	419584.3	3739874	3.30E-03	0.00E+00	3.30E-03	3.24E-04
1100	419587.8	3739866	3.32E-03	0.00E+00	3.32E-03	3.25E-04
1101	419591.3	3739857	3.34E-03	0.00E+00	3.34E-03	3.27E-04
1102	419594.8	3739849	3.36E-03	0.00E+00	3.36E-03	3.29E-04
1103	419598.3	3739840	3.38E-03	0.00E+00	3.38E-03	3.30E-04
1104	419601.8	3739832	3.39E-03	0.00E+00	3.39E-03	3.32E-04
1105	419605.3	3739823	3.41E-03	0.00E+00	3.41E-03	3.34E-04
1106	419608.8	3739815	3.43E-03	0.00E+00	3.43E-03	3.36E-04
1107	419612.3	3739806	3.45E-03	0.00E+00	3.45E-03	3.37E-04
1108	419615.7	3739797	3.46E-03	0.00E+00	3.46E-03	3.39E-04
1109	419619.2	3739789	3.48E-03	0.00E+00	3.48E-03	3.41E-04
1110	419622.7	3739780	3.50E-03	0.00E+00	3.50E-03	3.42E-04
1111	419528.5	3740011	3.03E-03	0.00E+00	3.03E-03	2.97E-04
1112	419528.5	3740020	3.04E-03	0.00E+00	3.04E-03	2.98E-04
1113	419528.6	3740029	3.05E-03	0.00E+00	3.05E-03	2.99E-04
1114	419528.6	3740039	3.07E-03	0.00E+00	3.07E-03	3.00E-04
1115	419528.7	3740048	3.08E-03	0.00E+00	3.08E-03	3.02E-04
1116	419528.7	3740058	3.10E-03	0.00E+00	3.10E-03	3.03E-04
1117	419528.8	3740067	3.11E-03	0.00E+00	3.11E-03	3.05E-04
1118	419528.8	3740076	3.13E-03	0.00E+00	3.13E-03	3.06E-04
1119	419528.9	3740086	3.14E-03	0.00E+00	3.14E-03	3.08E-04
1120	419528.9	3740095	3.16E-03	0.00E+00	3.16E-03	3.10E-04
1121	419529	3740105	3.18E-03	0.00E+00	3.18E-03	3.11E-04

1122	419502	3740002	2.80E-03	0.00E+00	2.80E-03	2.74E-04
1123	419505.5	3739994	2.81E-03	0.00E+00	2.81E-03	2.75E-04
1124	419509	3739985	2.83E-03	0.00E+00	2.83E-03	2.77E-04
1125	419512.6	3739976	2.85E-03	0.00E+00	2.85E-03	2.79E-04
1126	419516.1	3739968	2.86E-03	0.00E+00	2.86E-03	2.80E-04
1127	419519.6	3739959	2.87E-03	0.00E+00	2.87E-03	2.81E-04
1128	419523.2	3739951	2.89E-03	0.00E+00	2.89E-03	2.83E-04
1129	419526.7	3739942	2.90E-03	0.00E+00	2.90E-03	2.84E-04
1130	419530.2	3739933	2.92E-03	0.00E+00	2.92E-03	2.86E-04
1131	419533.7	3739925	2.93E-03	0.00E+00	2.93E-03	2.87E-04
1132	419537.3	3739916	2.94E-03	0.00E+00	2.94E-03	2.88E-04
1133	419540.8	3739907	2.96E-03	0.00E+00	2.96E-03	2.90E-04
1134	419544.3	3739899	2.97E-03	0.00E+00	2.97E-03	2.91E-04
1135	419547.9	3739890	2.99E-03	0.00E+00	2.99E-03	2.93E-04
1136	419551.4	3739882	3.01E-03	0.00E+00	3.01E-03	2.95E-04
1137	419554.9	3739873	3.03E-03	0.00E+00	3.03E-03	2.97E-04
1138	419558.4	3739864	3.05E-03	0.00E+00	3.05E-03	2.98E-04
1139	419562	3739856	3.07E-03	0.00E+00	3.07E-03	3.00E-04
1140	419565.5	3739847	3.08E-03	0.00E+00	3.08E-03	3.02E-04
1141	419569	3739838	3.10E-03	0.00E+00	3.10E-03	3.03E-04
1142	419572.6	3739830	3.11E-03	0.00E+00	3.11E-03	3.05E-04
1143	419576.1	3739821	3.13E-03	0.00E+00	3.13E-03	3.06E-04
1144	419579.6	3739813	3.14E-03	0.00E+00	3.14E-03	3.08E-04
1145	419583.1	3739804	3.16E-03	0.00E+00	3.16E-03	3.09E-04
1146	419586.7	3739795	3.17E-03	0.00E+00	3.17E-03	3.11E-04
1147	419590.2	3739787	3.19E-03	0.00E+00	3.19E-03	3.12E-04
1148	419593.7	3739778	3.20E-03	0.00E+00	3.20E-03	3.13E-04
1149	419498.5	3740011	2.78E-03	0.00E+00	2.78E-03	2.72E-04
1150	419498.5	3740020	2.79E-03	0.00E+00	2.79E-03	2.73E-04
1151	419498.6	3740030	2.80E-03	0.00E+00	2.80E-03	2.74E-04
1152	419498.6	3740039	2.81E-03	0.00E+00	2.81E-03	2.75E-04
1153	419498.7	3740048	2.82E-03	0.00E+00	2.82E-03	2.77E-04
1154	419498.7	3740058	2.84E-03	0.00E+00	2.84E-03	2.78E-04
1155	419499	3740105	2.92E-03	0.00E+00	2.92E-03	2.85E-04
1156	419499	3740114	2.93E-03	0.00E+00	2.93E-03	2.87E-04
1157	419499.1	3740124	2.94E-03	0.00E+00	2.94E-03	2.88E-04
1158	419472	3740002	2.57E-03	0.00E+00	2.57E-03	2.52E-04
1159	419475.4	3739994	2.59E-03	0.00E+00	2.59E-03	2.53E-04
1160	419478.9	3739985	2.60E-03	0.00E+00	2.60E-03	2.55E-04
1161	419482.4	3739977	2.62E-03	0.00E+00	2.62E-03	2.56E-04
1162	419485.9	3739968	2.63E-03	0.00E+00	2.63E-03	2.58E-04
1163	419489.4	3739960	2.65E-03	0.00E+00	2.65E-03	2.59E-04
1164	419492.9	3739951	2.66E-03	0.00E+00	2.66E-03	2.61E-04
1165	419496.4	3739943	2.67E-03	0.00E+00	2.67E-03	2.62E-04
1166	419499.9	3739934	2.69E-03	0.00E+00	2.69E-03	2.63E-04
1167	419503.4	3739926	2.70E-03	0.00E+00	2.70E-03	2.64E-04
1168	419506.9	3739917	2.71E-03	0.00E+00	2.71E-03	2.66E-04

1169	419510.4	3739909	2.72E-03	0.00E+00	2.72E-03	2.67E-04
1170	419513.9	3739900	2.74E-03	0.00E+00	2.74E-03	2.68E-04
1171	419517.3	3739892	2.74E-03	0.00E+00	2.74E-03	2.69E-04
1172	419520.8	3739883	2.76E-03	0.00E+00	2.76E-03	2.70E-04
1173	419524.3	3739875	2.78E-03	0.00E+00	2.78E-03	2.72E-04
1174	419527.8	3739866	2.79E-03	0.00E+00	2.79E-03	2.73E-04
1175	419531.3	3739858	2.81E-03	0.00E+00	2.81E-03	2.75E-04
1176	419534.8	3739849	2.83E-03	0.00E+00	2.83E-03	2.77E-04
1177	419538.3	3739840	2.84E-03	0.00E+00	2.84E-03	2.78E-04
1178	419541.8	3739832	2.86E-03	0.00E+00	2.86E-03	2.80E-04
1179	419545.3	3739823	2.87E-03	0.00E+00	2.87E-03	2.81E-04
1180	419548.8	3739815	2.88E-03	0.00E+00	2.88E-03	2.82E-04
1181	419552.3	3739806	2.90E-03	0.00E+00	2.90E-03	2.84E-04
1182	419555.7	3739798	2.91E-03	0.00E+00	2.91E-03	2.85E-04
1183	419559.2	3739789	2.92E-03	0.00E+00	2.92E-03	2.86E-04
1184	419562.7	3739781	2.93E-03	0.00E+00	2.93E-03	2.87E-04
1185	419468.7	3740049	2.60E-03	0.00E+00	2.60E-03	2.55E-04
1186	419468.7	3740058	2.62E-03	0.00E+00	2.62E-03	2.56E-04
1187	419468.8	3740067	2.63E-03	0.00E+00	2.63E-03	2.58E-04
1188	419468.8	3740077	2.64E-03	0.00E+00	2.64E-03	2.59E-04
1189	419468.9	3740086	2.66E-03	0.00E+00	2.66E-03	2.60E-04
1190	419468.9	3740096	2.67E-03	0.00E+00	2.67E-03	2.61E-04
1191	419469	3740105	2.68E-03	0.00E+00	2.68E-03	2.63E-04
1192	419469	3740114	2.69E-03	0.00E+00	2.69E-03	2.64E-04
1193	419469.1	3740124	2.71E-03	0.00E+00	2.71E-03	2.65E-04
1194	419432	3740003	2.33E-03	0.00E+00	2.33E-03	2.28E-04
1195	419435.5	3739994	2.34E-03	0.00E+00	2.34E-03	2.29E-04
1196	419439	3739985	2.35E-03	0.00E+00	2.35E-03	2.30E-04
1197	419449.5	3739960	2.39E-03	0.00E+00	2.39E-03	2.34E-04
1198	419453.1	3739951	2.40E-03	0.00E+00	2.40E-03	2.35E-04
1199	419456.6	3739943	2.41E-03	0.00E+00	2.41E-03	2.36E-04
1200	419460.1	3739934	2.42E-03	0.00E+00	2.42E-03	2.37E-04
1201	419463.6	3739925	2.43E-03	0.00E+00	2.43E-03	2.38E-04
1202	419467.1	3739917	2.45E-03	0.00E+00	2.45E-03	2.40E-04
1203	419470.6	3739908	2.46E-03	0.00E+00	2.46E-03	2.41E-04
1204	419474.1	3739900	2.47E-03	0.00E+00	2.47E-03	2.42E-04
1205	419477.6	3739891	2.48E-03	0.00E+00	2.48E-03	2.43E-04
1206	419481.2	3739883	2.49E-03	0.00E+00	2.49E-03	2.44E-04
1207	419484.7	3739874	2.51E-03	0.00E+00	2.51E-03	2.45E-04
1208	419488.2	3739865	2.52E-03	0.00E+00	2.52E-03	2.46E-04
1209	419491.7	3739857	2.53E-03	0.00E+00	2.53E-03	2.48E-04
1210	419495.2	3739848	2.54E-03	0.00E+00	2.54E-03	2.49E-04
1211	419498.7	3739840	2.55E-03	0.00E+00	2.55E-03	2.50E-04
1212	419502.2	3739831	2.57E-03	0.00E+00	2.57E-03	2.51E-04
1213	419505.8	3739822	2.58E-03	0.00E+00	2.58E-03	2.52E-04
1214	419509.3	3739814	2.59E-03	0.00E+00	2.59E-03	2.53E-04
1215	419512.8	3739805	2.60E-03	0.00E+00	2.60E-03	2.54E-04

1216	419516.3	3739797	2.61E-03	0.00E+00	2.61E-03	2.55E-04
1217	419519.8	3739788	2.62E-03	0.00E+00	2.62E-03	2.56E-04
1218	419523.3	3739780	2.63E-03	0.00E+00	2.63E-03	2.57E-04
1219	419428.5	3740011	2.32E-03	0.00E+00	2.32E-03	2.27E-04
1220	419428.5	3740021	2.33E-03	0.00E+00	2.33E-03	2.28E-04
1221	419428.6	3740030	2.34E-03	0.00E+00	2.34E-03	2.29E-04
1222	419428.6	3740039	2.35E-03	0.00E+00	2.35E-03	2.30E-04
1223	419428.7	3740049	2.36E-03	0.00E+00	2.36E-03	2.31E-04
1224	419428.7	3740058	2.37E-03	0.00E+00	2.37E-03	2.32E-04
1225	419428.8	3740068	2.38E-03	0.00E+00	2.38E-03	2.33E-04
1226	419428.8	3740077	2.39E-03	0.00E+00	2.39E-03	2.34E-04
1227	419428.9	3740086	2.40E-03	0.00E+00	2.40E-03	2.35E-04
1228	419428.9	3740096	2.41E-03	0.00E+00	2.41E-03	2.36E-04
1229	419429	3740105	2.42E-03	0.00E+00	2.42E-03	2.37E-04
1230	419429	3740115	2.44E-03	0.00E+00	2.44E-03	2.39E-04
1231	419429.1	3740124	2.45E-03	0.00E+00	2.45E-03	2.40E-04
1232	419392	3740003	2.12E-03	0.00E+00	2.12E-03	2.08E-04
1233	419395.5	3739994	2.13E-03	0.00E+00	2.13E-03	2.09E-04
1234	419399.1	3739986	2.14E-03	0.00E+00	2.14E-03	2.10E-04
1235	419402.6	3739977	2.15E-03	0.00E+00	2.15E-03	2.11E-04
1236	419406.1	3739968	2.16E-03	0.00E+00	2.16E-03	2.12E-04
1237	419409.7	3739960	2.17E-03	0.00E+00	2.17E-03	2.13E-04
1238	419413.2	3739951	2.18E-03	0.00E+00	2.18E-03	2.14E-04
1239	419416.7	3739942	2.19E-03	0.00E+00	2.19E-03	2.15E-04
1240	419420.3	3739934	2.20E-03	0.00E+00	2.20E-03	2.16E-04
1241	419430.9	3739908	2.24E-03	0.00E+00	2.24E-03	2.19E-04
1242	419434.4	3739899	2.25E-03	0.00E+00	2.25E-03	2.20E-04
1243	419437.9	3739891	2.26E-03	0.00E+00	2.26E-03	2.21E-04
1244	419441.5	3739882	2.27E-03	0.00E+00	2.27E-03	2.22E-04
1245	419445	3739873	2.28E-03	0.00E+00	2.28E-03	2.23E-04
1246	419448.5	3739865	2.29E-03	0.00E+00	2.29E-03	2.24E-04
1247	419452.1	3739856	2.30E-03	0.00E+00	2.30E-03	2.25E-04
1248	419455.6	3739847	2.31E-03	0.00E+00	2.31E-03	2.26E-04
1249	419459.1	3739839	2.32E-03	0.00E+00	2.32E-03	2.27E-04
1250	419462.7	3739830	2.33E-03	0.00E+00	2.33E-03	2.28E-04
1251	419466.2	3739822	2.34E-03	0.00E+00	2.34E-03	2.29E-04
1252	419469.7	3739813	2.35E-03	0.00E+00	2.35E-03	2.30E-04
1253	419473.3	3739804	2.36E-03	0.00E+00	2.36E-03	2.31E-04
1254	419476.8	3739796	2.36E-03	0.00E+00	2.36E-03	2.31E-04
1255	419480.3	3739787	2.37E-03	0.00E+00	2.37E-03	2.32E-04
1256	419483.9	3739778	2.38E-03	0.00E+00	2.38E-03	2.33E-04
1257	419388.5	3740011	2.11E-03	0.00E+00	2.11E-03	2.07E-04
1258	419388.5	3740021	2.12E-03	0.00E+00	2.12E-03	2.08E-04
1259	419388.6	3740030	2.13E-03	0.00E+00	2.13E-03	2.09E-04
1260	419388.6	3740040	2.14E-03	0.00E+00	2.14E-03	2.09E-04
1261	419388.7	3740049	2.15E-03	0.00E+00	2.15E-03	2.10E-04
1262	419388.7	3740058	2.16E-03	0.00E+00	2.16E-03	2.11E-04

1263	419388.8	3740068	2.17E-03	0.00E+00	2.17E-03	2.12E-04
1264	419388.8	3740077	2.18E-03	0.00E+00	2.18E-03	2.13E-04
1265	419355.6	3739994	1.95E-03	0.00E+00	1.95E-03	1.91E-04
1266	419359.1	3739986	1.96E-03	0.00E+00	1.96E-03	1.92E-04
1267	419362.7	3739977	1.97E-03	0.00E+00	1.97E-03	1.93E-04
1268	419366.2	3739968	1.98E-03	0.00E+00	1.98E-03	1.94E-04
1269	419369.8	3739960	1.99E-03	0.00E+00	1.99E-03	1.94E-04
1270	419373.3	3739951	1.99E-03	0.00E+00	1.99E-03	1.95E-04
1271	419376.9	3739942	2.00E-03	0.00E+00	2.00E-03	1.96E-04
1272	419380.4	3739934	2.01E-03	0.00E+00	2.01E-03	1.97E-04
1273	419384	3739925	2.02E-03	0.00E+00	2.02E-03	1.98E-04
1274	419387.5	3739916	2.03E-03	0.00E+00	2.03E-03	1.99E-04
1275	419391.1	3739908	2.04E-03	0.00E+00	2.04E-03	2.00E-04
1276	419394.6	3739899	2.06E-03	0.00E+00	2.06E-03	2.01E-04
1277	419398.2	3739890	2.07E-03	0.00E+00	2.07E-03	2.02E-04
1278	419401.7	3739882	2.07E-03	0.00E+00	2.07E-03	2.03E-04
1279	419405.3	3739873	2.08E-03	0.00E+00	2.08E-03	2.04E-04
1280	419408.8	3739864	2.09E-03	0.00E+00	2.09E-03	2.05E-04
1281	419423	3739830	2.12E-03	0.00E+00	2.12E-03	2.08E-04
1282	419426.6	3739821	2.13E-03	0.00E+00	2.13E-03	2.09E-04
1283	419430.1	3739812	2.14E-03	0.00E+00	2.14E-03	2.09E-04
1284	419433.7	3739804	2.15E-03	0.00E+00	2.15E-03	2.10E-04
1285	419437.2	3739795	2.15E-03	0.00E+00	2.15E-03	2.11E-04
1286	419440.8	3739786	2.16E-03	0.00E+00	2.16E-03	2.12E-04
1287	419444.3	3739778	2.17E-03	0.00E+00	2.17E-03	2.12E-04
1288	419348.7	3740059	1.97E-03	0.00E+00	1.97E-03	1.93E-04
1289	419348.8	3740068	1.98E-03	0.00E+00	1.98E-03	1.93E-04
1290	419348.8	3740077	1.98E-03	0.00E+00	1.98E-03	1.94E-04
1291	419348.9	3740087	1.99E-03	0.00E+00	1.99E-03	1.95E-04
1292	419348.9	3740096	2.00E-03	0.00E+00	2.00E-03	1.96E-04
1293	419349	3740106	2.01E-03	0.00E+00	2.01E-03	1.97E-04
1294	419349	3740115	2.02E-03	0.00E+00	2.02E-03	1.98E-04
1295	419349.1	3740124	2.03E-03	0.00E+00	2.03E-03	1.98E-04
1296	419312	3740003	1.78E-03	0.00E+00	1.78E-03	1.74E-04
1297	419333	3739952	1.83E-03	0.00E+00	1.83E-03	1.79E-04
1298	419336.5	3739943	1.84E-03	0.00E+00	1.84E-03	1.80E-04
1299	419340.1	3739935	1.84E-03	0.00E+00	1.84E-03	1.80E-04
1300	419343.6	3739926	1.85E-03	0.00E+00	1.85E-03	1.81E-04
1301	419347.1	3739918	1.86E-03	0.00E+00	1.86E-03	1.82E-04
1302	419350.6	3739909	1.87E-03	0.00E+00	1.87E-03	1.83E-04
1303	419354.1	3739900	1.88E-03	0.00E+00	1.88E-03	1.84E-04
1304	419357.6	3739892	1.89E-03	0.00E+00	1.89E-03	1.85E-04
1305	419361.1	3739883	1.90E-03	0.00E+00	1.90E-03	1.86E-04
1306	419364.6	3739875	1.91E-03	0.00E+00	1.91E-03	1.87E-04
1307	419368.1	3739866	1.91E-03	0.00E+00	1.91E-03	1.87E-04
1308	419371.6	3739858	1.92E-03	0.00E+00	1.92E-03	1.88E-04
1309	419375.2	3739849	1.93E-03	0.00E+00	1.93E-03	1.89E-04

1310	419378.7	3739840	1.93E-03	0.00E+00	1.93E-03	1.89E-04
1311	419382.2	3739832	1.94E-03	0.00E+00	1.94E-03	1.90E-04
1312	419385.7	3739823	1.95E-03	0.00E+00	1.95E-03	1.91E-04
1313	419389.2	3739815	1.96E-03	0.00E+00	1.96E-03	1.92E-04
1314	419392.7	3739806	1.96E-03	0.00E+00	1.96E-03	1.92E-04
1315	419396.2	3739798	1.97E-03	0.00E+00	1.97E-03	1.93E-04
1316	419399.7	3739789	1.98E-03	0.00E+00	1.98E-03	1.93E-04
1317	419403.2	3739780	1.98E-03	0.00E+00	1.98E-03	1.94E-04
1318	419308.5	3740012	1.77E-03	0.00E+00	1.77E-03	1.73E-04
1319	419308.5	3740021	1.77E-03	0.00E+00	1.77E-03	1.74E-04
1320	419308.6	3740031	1.78E-03	0.00E+00	1.78E-03	1.74E-04
1321	419308.6	3740040	1.78E-03	0.00E+00	1.78E-03	1.74E-04
1322	419308.7	3740049	1.79E-03	0.00E+00	1.79E-03	1.75E-04
1323	419308.7	3740059	1.80E-03	0.00E+00	1.80E-03	1.76E-04
1324	419308.8	3740068	1.81E-03	0.00E+00	1.81E-03	1.77E-04
1325	419308.8	3740078	1.82E-03	0.00E+00	1.82E-03	1.78E-04
1326	419308.9	3740087	1.82E-03	0.00E+00	1.82E-03	1.79E-04
1327	419308.9	3740096	1.83E-03	0.00E+00	1.83E-03	1.79E-04
1328	419309	3740106	1.84E-03	0.00E+00	1.84E-03	1.80E-04
1329	419309	3740115	1.85E-03	0.00E+00	1.85E-03	1.81E-04
1330	419309.1	3740125	1.86E-03	0.00E+00	1.86E-03	1.82E-04
1331	419272	3740003	1.64E-03	0.00E+00	1.64E-03	1.61E-04
1332	419275.5	3739995	1.65E-03	0.00E+00	1.65E-03	1.61E-04
1333	419279	3739986	1.65E-03	0.00E+00	1.65E-03	1.62E-04
1334	419282.6	3739978	1.66E-03	0.00E+00	1.66E-03	1.63E-04
1335	419286.1	3739969	1.67E-03	0.00E+00	1.67E-03	1.63E-04
1336	419289.6	3739960	1.68E-03	0.00E+00	1.68E-03	1.64E-04
1337	419314.3	3739900	1.73E-03	0.00E+00	1.73E-03	1.69E-04
1338	419317.8	3739892	1.74E-03	0.00E+00	1.74E-03	1.70E-04
1339	419321.4	3739883	1.75E-03	0.00E+00	1.75E-03	1.71E-04
1340	419324.9	3739874	1.75E-03	0.00E+00	1.75E-03	1.72E-04
1341	419328.4	3739866	1.76E-03	0.00E+00	1.76E-03	1.72E-04
1342	419331.9	3739857	1.77E-03	0.00E+00	1.77E-03	1.73E-04
1343	419335.5	3739848	1.77E-03	0.00E+00	1.77E-03	1.74E-04
1344	419339	3739840	1.78E-03	0.00E+00	1.78E-03	1.74E-04
1345	419342.5	3739831	1.79E-03	0.00E+00	1.79E-03	1.75E-04
1346	419346.1	3739823	1.79E-03	0.00E+00	1.79E-03	1.75E-04
1347	419349.6	3739814	1.80E-03	0.00E+00	1.80E-03	1.76E-04
1348	419353.1	3739805	1.81E-03	0.00E+00	1.81E-03	1.77E-04
1349	419374.3	3739754	1.84E-03	0.00E+00	1.84E-03	1.80E-04
1350	419268.5	3740012	1.63E-03	0.00E+00	1.63E-03	1.60E-04
1351	419268.5	3740022	1.64E-03	0.00E+00	1.64E-03	1.60E-04
1352	419268.6	3740031	1.64E-03	0.00E+00	1.64E-03	1.61E-04
1353	419268.6	3740040	1.65E-03	0.00E+00	1.65E-03	1.61E-04
1354	419268.7	3740050	1.65E-03	0.00E+00	1.65E-03	1.62E-04
1355	419268.7	3740059	1.66E-03	0.00E+00	1.66E-03	1.63E-04
1356	419268.8	3740068	1.67E-03	0.00E+00	1.67E-03	1.63E-04

1357	419268.8	3740078	1.67E-03	0.00E+00	1.67E-03	1.64E-04
1358	419268.9	3740087	1.68E-03	0.00E+00	1.68E-03	1.64E-04
1359	419268.9	3740097	1.69E-03	0.00E+00	1.69E-03	1.65E-04
1360	419269	3740106	1.69E-03	0.00E+00	1.69E-03	1.66E-04
1361	419269	3740115	1.70E-03	0.00E+00	1.70E-03	1.66E-04
1362	419269.1	3740125	1.71E-03	0.00E+00	1.71E-03	1.67E-04
1363	419232	3740004	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1364	419235.6	3739995	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1365	419239.1	3739986	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1366	419242.6	3739978	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1367	419246.2	3739969	1.55E-03	0.00E+00	1.55E-03	1.51E-04
1368	419249.7	3739960	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1369	419253.3	3739952	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1370	419256.8	3739943	1.57E-03	0.00E+00	1.57E-03	1.53E-04
1371	419260.3	3739934	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1372	419263.9	3739926	1.58E-03	0.00E+00	1.58E-03	1.54E-04
1373	419267.4	3739917	1.58E-03	0.00E+00	1.58E-03	1.55E-04
1374	419271	3739909	1.59E-03	0.00E+00	1.59E-03	1.56E-04
1375	419292.2	3739857	1.63E-03	0.00E+00	1.63E-03	1.60E-04
1376	419295.8	3739848	1.64E-03	0.00E+00	1.64E-03	1.60E-04
1377	419299.3	3739839	1.64E-03	0.00E+00	1.64E-03	1.61E-04
1378	419302.8	3739831	1.65E-03	0.00E+00	1.65E-03	1.61E-04
1379	419306.4	3739822	1.65E-03	0.00E+00	1.65E-03	1.62E-04
1380	419324.1	3739779	1.68E-03	0.00E+00	1.68E-03	1.65E-04
1381	419327.6	3739770	1.69E-03	0.00E+00	1.69E-03	1.65E-04
1382	419331.2	3739761	1.69E-03	0.00E+00	1.69E-03	1.66E-04
1383	419228.5	3740012	1.52E-03	0.00E+00	1.52E-03	1.48E-04
1384	419228.5	3740022	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1385	419228.6	3740031	1.52E-03	0.00E+00	1.52E-03	1.49E-04
1386	419228.6	3740041	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1387	419228.7	3740050	1.53E-03	0.00E+00	1.53E-03	1.50E-04
1388	419228.7	3740059	1.54E-03	0.00E+00	1.54E-03	1.50E-04
1389	419228.8	3740069	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1390	419228.8	3740078	1.55E-03	0.00E+00	1.55E-03	1.51E-04
1391	419228.9	3740088	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1392	419228.9	3740097	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1393	419229	3740106	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1394	419229	3740116	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1395	419229.1	3740125	1.58E-03	0.00E+00	1.58E-03	1.54E-04
1396	419192	3740004	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1397	419195.6	3739995	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1398	419199.1	3739986	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1399	419202.7	3739978	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1400	419206.2	3739969	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1401	419209.8	3739960	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1402	419213.4	3739952	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1403	419216.9	3739943	1.45E-03	0.00E+00	1.45E-03	1.42E-04

1404	419220.5	3739934	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1405	419224	3739926	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1406	419227.6	3739917	1.47E-03	0.00E+00	1.47E-03	1.44E-04
1407	419231.1	3739908	1.48E-03	0.00E+00	1.48E-03	1.45E-04
1408	419234.7	3739900	1.48E-03	0.00E+00	1.48E-03	1.45E-04
1409	419238.3	3739891	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1410	419241.8	3739882	1.49E-03	0.00E+00	1.49E-03	1.46E-04
1411	419273.8	3739804	1.54E-03	0.00E+00	1.54E-03	1.51E-04
1412	419277.4	3739795	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1413	419280.9	3739787	1.55E-03	0.00E+00	1.55E-03	1.52E-04
1414	419284.5	3739778	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1415	419288	3739769	1.56E-03	0.00E+00	1.56E-03	1.53E-04
1416	419291.6	3739761	1.57E-03	0.00E+00	1.57E-03	1.54E-04
1417	419188.5	3740013	1.40E-03	0.00E+00	1.40E-03	1.37E-04
1418	419188.5	3740022	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1419	419188.6	3740031	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1420	419188.6	3740041	1.41E-03	0.00E+00	1.41E-03	1.38E-04
1421	419188.7	3740050	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1422	419188.7	3740060	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1423	419188.8	3740069	1.42E-03	0.00E+00	1.42E-03	1.40E-04
1424	419188.8	3740078	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1425	419188.9	3740088	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1426	419188.9	3740097	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1427	419189	3740107	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1428	419189	3740116	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1429	419189.1	3740125	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1430	419152	3740004	1.31E-03	0.00E+00	1.31E-03	1.28E-04
1431	419155.5	3739996	1.31E-03	0.00E+00	1.31E-03	1.29E-04
1432	419159	3739987	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1433	419162.6	3739978	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1434	419166.1	3739970	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1435	419169.6	3739961	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1436	419173.1	3739953	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1437	419176.6	3739944	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1438	419180.2	3739935	1.35E-03	0.00E+00	1.35E-03	1.33E-04
1439	419183.7	3739927	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1440	419187.2	3739918	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1441	419190.7	3739910	1.37E-03	0.00E+00	1.37E-03	1.34E-04
1442	419194.3	3739901	1.38E-03	0.00E+00	1.38E-03	1.35E-04
1443	419197.8	3739892	1.38E-03	0.00E+00	1.38E-03	1.36E-04
1444	419225.9	3739824	1.42E-03	0.00E+00	1.42E-03	1.39E-04
1445	419229.5	3739815	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1446	419233	3739806	1.43E-03	0.00E+00	1.43E-03	1.40E-04
1447	419236.5	3739798	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1448	419240	3739789	1.44E-03	0.00E+00	1.44E-03	1.41E-04
1449	419243.6	3739781	1.45E-03	0.00E+00	1.45E-03	1.42E-04
1450	419247.1	3739772	1.45E-03	0.00E+00	1.45E-03	1.42E-04

1451	419250.6	3739763	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1452	419254.1	3739755	1.46E-03	0.00E+00	1.46E-03	1.43E-04
1453	419148.5	3740013	1.30E-03	0.00E+00	1.30E-03	1.28E-04
1454	419148.5	3740022	1.31E-03	0.00E+00	1.31E-03	1.28E-04
1455	419148.6	3740032	1.31E-03	0.00E+00	1.31E-03	1.28E-04
1456	419148.6	3740041	1.31E-03	0.00E+00	1.31E-03	1.29E-04
1457	419148.7	3740050	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1458	419148.7	3740060	1.32E-03	0.00E+00	1.32E-03	1.29E-04
1459	419148.8	3740069	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1460	419148.8	3740079	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1461	419148.9	3740088	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1462	419148.9	3740097	1.34E-03	0.00E+00	1.34E-03	1.32E-04
1463	419149	3740107	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1464	419149	3740116	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1465	419149.1	3740126	1.36E-03	0.00E+00	1.36E-03	1.33E-04
1466	419143.8	3739927	1.27E-03	0.00E+00	1.27E-03	1.24E-04
1467	419147.4	3739918	1.27E-03	0.00E+00	1.27E-03	1.25E-04
1468	419150.9	3739909	1.28E-03	0.00E+00	1.28E-03	1.25E-04
1469	419154.4	3739901	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1470	419158	3739892	1.29E-03	0.00E+00	1.29E-03	1.26E-04
1471	419182.7	3739832	1.32E-03	0.00E+00	1.32E-03	1.30E-04
1472	419186.2	3739823	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1473	419189.8	3739814	1.33E-03	0.00E+00	1.33E-03	1.30E-04
1474	419193.3	3739806	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1475	419196.9	3739797	1.34E-03	0.00E+00	1.34E-03	1.31E-04
1476	419200.4	3739788	1.34E-03	0.00E+00	1.34E-03	1.32E-04
1477	419203.9	3739780	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1478	419207.5	3739771	1.35E-03	0.00E+00	1.35E-03	1.32E-04
1479	419211	3739763	1.35E-03	0.00E+00	1.35E-03	1.33E-04
1480	419072	3740005	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1481	419075.6	3739996	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1482	419079.1	3739987	1.16E-03	0.00E+00	1.16E-03	1.13E-04
1483	419082.7	3739979	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1484	419086.2	3739970	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1485	419089.8	3739961	1.17E-03	0.00E+00	1.17E-03	1.15E-04
1486	419093.3	3739953	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1487	419096.9	3739944	1.18E-03	0.00E+00	1.18E-03	1.16E-04
1488	419100.4	3739935	1.19E-03	0.00E+00	1.19E-03	1.16E-04
1489	419104	3739927	1.19E-03	0.00E+00	1.19E-03	1.17E-04
1490	419139.4	3739840	1.23E-03	0.00E+00	1.23E-03	1.21E-04
1491	419143	3739831	1.24E-03	0.00E+00	1.24E-03	1.21E-04
1492	419146.5	3739823	1.24E-03	0.00E+00	1.24E-03	1.22E-04
1493	419150.1	3739814	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1494	419153.6	3739805	1.25E-03	0.00E+00	1.25E-03	1.22E-04
1495	419157.2	3739797	1.25E-03	0.00E+00	1.25E-03	1.23E-04
1496	419160.7	3739788	1.26E-03	0.00E+00	1.26E-03	1.23E-04
1497	419164.3	3739779	1.26E-03	0.00E+00	1.26E-03	1.23E-04

1498	419167.8	3739771	1.26E-03	0.00E+00	1.26E-03	1.24E-04
1499	419171.4	3739762	1.27E-03	0.00E+00	1.27E-03	1.24E-04
1500	419068.5	3740013	1.15E-03	0.00E+00	1.15E-03	1.12E-04
1501	419068.5	3740023	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1502	419068.6	3740032	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1503	419068.6	3740041	1.15E-03	0.00E+00	1.15E-03	1.13E-04
1504	419068.7	3740051	1.16E-03	0.00E+00	1.16E-03	1.13E-04
1505	419068.7	3740060	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1506	419068.8	3740070	1.16E-03	0.00E+00	1.16E-03	1.14E-04
1507	419068.8	3740079	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1508	419068.9	3740088	1.17E-03	0.00E+00	1.17E-03	1.14E-04
1509	419068.9	3740098	1.17E-03	0.00E+00	1.17E-03	1.15E-04
1510	419069	3740107	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1511	419069	3740117	1.18E-03	0.00E+00	1.18E-03	1.15E-04
1512	419069.1	3740126	1.18E-03	0.00E+00	1.18E-03	1.16E-04
1513	420075.8	3740139	1.16E-01	0.00E+00	1.16E-01	1.14E-02
1514	420085.1	3740136	1.51E-01	0.00E+00	1.51E-01	1.48E-02
1515	420094.5	3740133	1.97E-01	0.00E+00	1.97E-01	1.92E-02
1516	420103.8	3740129	2.47E-01	0.00E+00	2.47E-01	2.42E-02
1517	420113.2	3740126	2.92E-01	0.00E+00	2.92E-01	2.86E-02
1518	420122.5	3740123	3.30E-01	0.00E+00	3.30E-01	3.23E-02
1519	420131.9	3740119	3.59E-01	0.00E+00	3.59E-01	3.51E-02
1520	420141.2	3740116	3.78E-01	0.00E+00	3.78E-01	3.70E-02
1521	420150.6	3740113	3.90E-01	0.00E+00	3.90E-01	3.81E-02
1522	420159.9	3740109	3.99E-01	0.00E+00	3.99E-01	3.90E-02
1523	420169.3	3740106	4.03E-01	0.00E+00	4.03E-01	3.95E-02
1524	420178.6	3740103	4.01E-01	0.00E+00	4.01E-01	3.93E-02
1525	420188	3740099	3.93E-01	0.00E+00	3.93E-01	3.85E-02
1526	420197.3	3740096	3.79E-01	0.00E+00	3.79E-01	3.71E-02
1527	420206.7	3740093	3.55E-01	0.00E+00	3.55E-01	3.47E-02
1528	420070	3740148	9.12E-02	0.00E+00	9.12E-02	8.93E-03
1529	420060.9	3740146	8.09E-02	0.00E+00	8.09E-02	7.92E-03
1530	420079.1	3740149	1.03E-01	0.00E+00	1.03E-01	1.01E-02
1531	420088.5	3740145	1.30E-01	0.00E+00	1.30E-01	1.27E-02
1532	420097.8	3740142	1.62E-01	0.00E+00	1.62E-01	1.59E-02
1533	420107.2	3740139	1.97E-01	0.00E+00	1.97E-01	1.93E-02
1534	420116.5	3740135	2.31E-01	0.00E+00	2.31E-01	2.27E-02
1535	420125.9	3740132	2.61E-01	0.00E+00	2.61E-01	2.55E-02
1536	420135.2	3740129	2.83E-01	0.00E+00	2.83E-01	2.77E-02
1537	420144.6	3740125	3.00E-01	0.00E+00	3.00E-01	2.94E-02
1538	420153.9	3740122	3.12E-01	0.00E+00	3.12E-01	3.06E-02
1539	420163.3	3740119	3.21E-01	0.00E+00	3.21E-01	3.14E-02
1540	420172.6	3740116	3.26E-01	0.00E+00	3.26E-01	3.19E-02
1541	420182	3740112	3.26E-01	0.00E+00	3.26E-01	3.19E-02
1542	420191.3	3740109	3.21E-01	0.00E+00	3.21E-01	3.15E-02
1543	420200.7	3740106	3.11E-01	0.00E+00	3.11E-01	3.05E-02
1544	420073.4	3740157	8.24E-02	0.00E+00	8.24E-02	8.07E-03

1545	420064.3	3740156	7.40E-02	0.00E+00	7.40E-02	7.25E-03
1546	420055.2	3740154	6.70E-02	0.00E+00	6.70E-02	6.56E-03
1547	420033.3	3740129	6.70E-02	0.00E+00	6.70E-02	6.56E-03
1548	420082.5	3740158	9.20E-02	0.00E+00	9.20E-02	9.01E-03
1549	420091.8	3740155	1.12E-01	0.00E+00	1.12E-01	1.10E-02
1550	420101.2	3740152	1.35E-01	0.00E+00	1.35E-01	1.33E-02
1551	420110.5	3740148	1.61E-01	0.00E+00	1.61E-01	1.58E-02
1552	420119.9	3740145	1.87E-01	0.00E+00	1.87E-01	1.83E-02
1553	420129.2	3740142	2.10E-01	0.00E+00	2.10E-01	2.05E-02
1554	420138.6	3740138	2.29E-01	0.00E+00	2.29E-01	2.24E-02
1555	420147.9	3740135	2.44E-01	0.00E+00	2.44E-01	2.39E-02
1556	420157.3	3740132	2.55E-01	0.00E+00	2.55E-01	2.50E-02
1557	420166.6	3740128	2.63E-01	0.00E+00	2.63E-01	2.58E-02
1558	420176	3740125	2.68E-01	0.00E+00	2.68E-01	2.63E-02
1559	420185.3	3740122	2.69E-01	0.00E+00	2.69E-01	2.64E-02
1560	420194.7	3740118	2.66E-01	0.00E+00	2.66E-01	2.61E-02
1561	420204	3740115	2.59E-01	0.00E+00	2.59E-01	2.54E-02
1562	420076.7	3740166	7.44E-02	0.00E+00	7.44E-02	7.28E-03
1563	420067.6	3740165	6.77E-02	0.00E+00	6.77E-02	6.62E-03
1564	420058.5	3740164	6.18E-02	0.00E+00	6.18E-02	6.05E-03
1565	420049.4	3740163	5.68E-02	0.00E+00	5.68E-02	5.56E-03
1566	420036.1	3740153	5.45E-02	0.00E+00	5.45E-02	5.33E-03
1567	420023.3	3740129	5.85E-02	0.00E+00	5.85E-02	5.73E-03
1568	420085.8	3740168	8.18E-02	0.00E+00	8.18E-02	8.01E-03
1569	420095.2	3740164	9.72E-02	0.00E+00	9.72E-02	9.52E-03
1570	420104.5	3740161	1.15E-01	0.00E+00	1.15E-01	1.13E-02
1571	420113.9	3740158	1.35E-01	0.00E+00	1.35E-01	1.32E-02
1572	420123.2	3740154	1.54E-01	0.00E+00	1.54E-01	1.51E-02
1573	420132.6	3740151	1.72E-01	0.00E+00	1.72E-01	1.69E-02
1574	420141.9	3740148	1.88E-01	0.00E+00	1.88E-01	1.85E-02
1575	420151.3	3740144	2.02E-01	0.00E+00	2.02E-01	1.98E-02
1576	420160.6	3740141	2.13E-01	0.00E+00	2.13E-01	2.08E-02
1577	420170	3740138	2.20E-01	0.00E+00	2.20E-01	2.15E-02
1578	420179.3	3740134	2.25E-01	0.00E+00	2.25E-01	2.20E-02
1579	420188.7	3740131	2.26E-01	0.00E+00	2.26E-01	2.21E-02
1580	420198	3740128	2.24E-01	0.00E+00	2.24E-01	2.20E-02
1581	420207.4	3740124	2.19E-01	0.00E+00	2.19E-01	2.15E-02
1582	420080.1	3740176	6.72E-02	0.00E+00	6.72E-02	6.58E-03
1583	420071	3740175	6.18E-02	0.00E+00	6.18E-02	6.05E-03
1584	420061.9	3740173	5.70E-02	0.00E+00	5.70E-02	5.58E-03
1585	420052.8	3740172	5.28E-02	0.00E+00	5.28E-02	5.17E-03
1586	420043.7	3740171	4.90E-02	0.00E+00	4.90E-02	4.80E-03
1587	420030.4	3740161	4.74E-02	0.00E+00	4.74E-02	4.64E-03
1588	420013.3	3740129	5.17E-02	0.00E+00	5.17E-02	5.06E-03
1589	420089.2	3740177	7.31E-02	0.00E+00	7.31E-02	7.16E-03
1590	420098.5	3740174	8.53E-02	0.00E+00	8.53E-02	8.35E-03
1591	420107.9	3740170	9.93E-02	0.00E+00	9.93E-02	9.72E-03

1592	420117.2	3740167	1.15E-01	0.00E+00	1.15E-01	1.12E-02
1593	420126.6	3740164	1.30E-01	0.00E+00	1.30E-01	1.27E-02
1594	420135.9	3740160	1.44E-01	0.00E+00	1.44E-01	1.41E-02
1595	420145.3	3740157	1.57E-01	0.00E+00	1.57E-01	1.54E-02
1596	420154.6	3740154	1.70E-01	0.00E+00	1.70E-01	1.66E-02
1597	420164	3740150	1.80E-01	0.00E+00	1.80E-01	1.76E-02
1598	420173.3	3740147	1.86E-01	0.00E+00	1.86E-01	1.82E-02
1599	420182.7	3740144	1.90E-01	0.00E+00	1.90E-01	1.86E-02
1600	420192	3740140	1.92E-01	0.00E+00	1.92E-01	1.88E-02
1601	420201.4	3740137	1.92E-01	0.00E+00	1.92E-01	1.88E-02
1602	420083.4	3740185	6.10E-02	0.00E+00	6.10E-02	5.98E-03
1603	420074.3	3740184	5.66E-02	0.00E+00	5.66E-02	5.54E-03
1604	420065.2	3740183	5.25E-02	0.00E+00	5.25E-02	5.14E-03
1605	420056.1	3740181	4.89E-02	0.00E+00	4.89E-02	4.79E-03
1606	420047	3740180	4.58E-02	0.00E+00	4.58E-02	4.48E-03
1607	420038	3740179	4.29E-02	0.00E+00	4.29E-02	4.21E-03
1608	420024.6	3740170	4.19E-02	0.00E+00	4.19E-02	4.10E-03
1609	420020.4	3740162	4.33E-02	0.00E+00	4.33E-02	4.24E-03
1610	420007.6	3740137	4.59E-02	0.00E+00	4.59E-02	4.50E-03
1611	420003.3	3740129	4.59E-02	0.00E+00	4.59E-02	4.50E-03
1612	420092.5	3740186	6.57E-02	0.00E+00	6.57E-02	6.44E-03
1613	420101.9	3740183	7.56E-02	0.00E+00	7.56E-02	7.40E-03
1614	420111.2	3740180	8.67E-02	0.00E+00	8.67E-02	8.49E-03
1615	420120.6	3740176	9.88E-02	0.00E+00	9.88E-02	9.68E-03
1616	420129.9	3740173	1.11E-01	0.00E+00	1.11E-01	1.09E-02
1617	420139.3	3740170	1.24E-01	0.00E+00	1.24E-01	1.21E-02
1618	420148.6	3740167	1.34E-01	0.00E+00	1.34E-01	1.32E-02
1619	420158	3740163	1.45E-01	0.00E+00	1.45E-01	1.42E-02
1620	420167.3	3740160	1.54E-01	0.00E+00	1.54E-01	1.51E-02
1621	420176.7	3740157	1.59E-01	0.00E+00	1.59E-01	1.56E-02
1622	420186	3740153	1.63E-01	0.00E+00	1.63E-01	1.60E-02
1623	420195.4	3740150	1.66E-01	0.00E+00	1.66E-01	1.62E-02
1624	420204.7	3740147	1.66E-01	0.00E+00	1.66E-01	1.62E-02
1625	420086.8	3740195	5.57E-02	0.00E+00	5.57E-02	5.45E-03
1626	420077.7	3740193	5.19E-02	0.00E+00	5.19E-02	5.09E-03
1627	420068.6	3740192	4.85E-02	0.00E+00	4.85E-02	4.75E-03
1628	420059.5	3740191	4.54E-02	0.00E+00	4.54E-02	4.45E-03
1629	420050.4	3740190	4.27E-02	0.00E+00	4.27E-02	4.18E-03
1630	420041.3	3740188	4.02E-02	0.00E+00	4.02E-02	3.94E-03
1631	420032.2	3740187	3.80E-02	0.00E+00	3.80E-02	3.72E-03
1632	420018.9	3740178	3.74E-02	0.00E+00	3.74E-02	3.66E-03
1633	420014.6	3740170	3.86E-02	0.00E+00	3.86E-02	3.78E-03
1634	420010.4	3740162	3.96E-02	0.00E+00	3.96E-02	3.88E-03
1635	419997.6	3740137	4.13E-02	0.00E+00	4.13E-02	4.04E-03
1636	419993.3	3740129	4.11E-02	0.00E+00	4.11E-02	4.02E-03
1637	420095.9	3740196	5.96E-02	0.00E+00	5.96E-02	5.83E-03
1638	420105.2	3740193	6.77E-02	0.00E+00	6.77E-02	6.63E-03

1639	420114.6	3740189	7.66E-02	0.00E+00	7.66E-02	7.50E-03
1640	420123.9	3740186	8.66E-02	0.00E+00	8.66E-02	8.48E-03
1641	420133.3	3740183	9.71E-02	0.00E+00	9.71E-02	9.51E-03
1642	420142.6	3740179	1.07E-01	0.00E+00	1.07E-01	1.05E-02
1643	420152	3740176	1.17E-01	0.00E+00	1.17E-01	1.15E-02
1644	420161.3	3740173	1.26E-01	0.00E+00	1.26E-01	1.23E-02
1645	420170.6	3740169	1.33E-01	0.00E+00	1.33E-01	1.30E-02
1646	420180	3740166	1.38E-01	0.00E+00	1.38E-01	1.35E-02
1647	420189.3	3740163	1.42E-01	0.00E+00	1.42E-01	1.39E-02
1648	420198.7	3740159	1.44E-01	0.00E+00	1.44E-01	1.41E-02
1649	420208	3740156	1.44E-01	0.00E+00	1.44E-01	1.41E-02
1650	420090.1	3740204	5.10E-02	0.00E+00	5.10E-02	4.99E-03
1651	420081	3740203	4.78E-02	0.00E+00	4.78E-02	4.68E-03
1652	420071.9	3740202	4.48E-02	0.00E+00	4.48E-02	4.39E-03
1653	420062.8	3740200	4.21E-02	0.00E+00	4.21E-02	4.12E-03
1654	420053.7	3740199	3.97E-02	0.00E+00	3.97E-02	3.89E-03
1655	420044.6	3740198	3.76E-02	0.00E+00	3.76E-02	3.68E-03
1656	420035.6	3740197	3.56E-02	0.00E+00	3.56E-02	3.49E-03
1657	420026.5	3740195	3.39E-02	0.00E+00	3.39E-02	3.32E-03
1658	420013.1	3740186	3.35E-02	0.00E+00	3.35E-02	3.28E-03
1659	420008.9	3740178	3.46E-02	0.00E+00	3.46E-02	3.39E-03
1660	420004.6	3740170	3.56E-02	0.00E+00	3.56E-02	3.49E-03
1661	419991.8	3740145	3.73E-02	0.00E+00	3.73E-02	3.65E-03
1662	419987.6	3740137	3.73E-02	0.00E+00	3.73E-02	3.65E-03
1663	419983.3	3740129	3.69E-02	0.00E+00	3.69E-02	3.61E-03
1664	420099.2	3740205	5.43E-02	0.00E+00	5.43E-02	5.32E-03
1665	420108.6	3740202	6.12E-02	0.00E+00	6.12E-02	5.99E-03
1666	420117.9	3740199	6.87E-02	0.00E+00	6.87E-02	6.73E-03
1667	420127.3	3740195	7.71E-02	0.00E+00	7.71E-02	7.55E-03
1668	420136.6	3740192	8.58E-02	0.00E+00	8.58E-02	8.40E-03
1669	420145.9	3740189	9.45E-02	0.00E+00	9.45E-02	9.25E-03
1670	420155.3	3740185	1.03E-01	0.00E+00	1.03E-01	1.01E-02
1671	420164.6	3740182	1.10E-01	0.00E+00	1.10E-01	1.08E-02
1672	420174	3740179	1.16E-01	0.00E+00	1.16E-01	1.14E-02
1673	420183.3	3740175	1.21E-01	0.00E+00	1.21E-01	1.19E-02
1674	420192.7	3740172	1.24E-01	0.00E+00	1.24E-01	1.22E-02
1675	420202	3740169	1.26E-01	0.00E+00	1.26E-01	1.24E-02
1676	420239.4	3740155	1.20E-01	0.00E+00	1.20E-01	1.18E-02
1677	420093.5	3740213	4.69E-02	0.00E+00	4.69E-02	4.59E-03
1678	420084.4	3740212	4.40E-02	0.00E+00	4.40E-02	4.31E-03
1679	420075.3	3740211	4.14E-02	0.00E+00	4.14E-02	4.06E-03
1680	420066.2	3740210	3.90E-02	0.00E+00	3.90E-02	3.82E-03
1681	420057.1	3740209	3.69E-02	0.00E+00	3.69E-02	3.61E-03
1682	420048	3740207	3.50E-02	0.00E+00	3.50E-02	3.43E-03
1683	420038.9	3740206	3.33E-02	0.00E+00	3.33E-02	3.26E-03
1684	420029.8	3740205	3.18E-02	0.00E+00	3.18E-02	3.11E-03
1685	420020.7	3740204	3.04E-02	0.00E+00	3.04E-02	2.97E-03

1686	420007.4	3740194	3.02E-02	0.00E+00	3.02E-02	2.96E-03
1687	420003.1	3740186	3.12E-02	0.00E+00	3.12E-02	3.06E-03
1688	419998.9	3740178	3.22E-02	0.00E+00	3.22E-02	3.15E-03
1689	419994.6	3740170	3.29E-02	0.00E+00	3.29E-02	3.22E-03
1690	419981.8	3740145	3.40E-02	0.00E+00	3.40E-02	3.33E-03
1691	419977.6	3740137	3.38E-02	0.00E+00	3.38E-02	3.31E-03
1692	419973.3	3740129	3.33E-02	0.00E+00	3.33E-02	3.26E-03
1693	420102.6	3740215	4.97E-02	0.00E+00	4.97E-02	4.87E-03
1694	420111.9	3740211	5.57E-02	0.00E+00	5.57E-02	5.45E-03
1695	420121.2	3740208	6.21E-02	0.00E+00	6.21E-02	6.08E-03
1696	420130.6	3740205	6.92E-02	0.00E+00	6.92E-02	6.77E-03
1697	420139.9	3740201	7.65E-02	0.00E+00	7.65E-02	7.49E-03
1698	420149.3	3740198	8.38E-02	0.00E+00	8.38E-02	8.21E-03
1699	420158.6	3740195	9.08E-02	0.00E+00	9.08E-02	8.89E-03
1700	420168	3740191	9.72E-02	0.00E+00	9.72E-02	9.51E-03
1701	420177.3	3740188	1.03E-01	0.00E+00	1.03E-01	1.01E-02
1702	420186.7	3740185	1.07E-01	0.00E+00	1.07E-01	1.05E-02
1703	420196	3740181	1.10E-01	0.00E+00	1.10E-01	1.08E-02
1704	420205.4	3740178	1.12E-01	0.00E+00	1.12E-01	1.09E-02
1705	420242.8	3740165	1.08E-01	0.00E+00	1.08E-01	1.06E-02
1706	420100.2	3740232	4.00E-02	0.00E+00	4.00E-02	3.92E-03
1707	420091.1	3740231	3.79E-02	0.00E+00	3.79E-02	3.71E-03
1708	420082	3740230	3.59E-02	0.00E+00	3.59E-02	3.51E-03
1709	420072.9	3740229	3.40E-02	0.00E+00	3.40E-02	3.33E-03
1710	420063.8	3740227	3.22E-02	0.00E+00	3.22E-02	3.16E-03
1711	420054.7	3740226	3.07E-02	0.00E+00	3.07E-02	3.01E-03
1712	420045.6	3740225	2.93E-02	0.00E+00	2.93E-02	2.87E-03
1713	420036.5	3740224	2.81E-02	0.00E+00	2.81E-02	2.75E-03
1714	420027.4	3740222	2.69E-02	0.00E+00	2.69E-02	2.64E-03
1715	420018.3	3740221	2.59E-02	0.00E+00	2.59E-02	2.53E-03
1716	420009.2	3740220	2.49E-02	0.00E+00	2.49E-02	2.44E-03
1717	419995.9	3740211	2.49E-02	0.00E+00	2.49E-02	2.43E-03
1718	419991.6	3740202	2.57E-02	0.00E+00	2.57E-02	2.52E-03
1719	419987.4	3740194	2.65E-02	0.00E+00	2.65E-02	2.60E-03
1720	419983.1	3740186	2.73E-02	0.00E+00	2.73E-02	2.67E-03
1721	419978.9	3740178	2.79E-02	0.00E+00	2.79E-02	2.73E-03
1722	419966.1	3740154	2.87E-02	0.00E+00	2.87E-02	2.81E-03
1723	419961.8	3740146	2.85E-02	0.00E+00	2.85E-02	2.79E-03
1724	419957.6	3740137	2.82E-02	0.00E+00	2.82E-02	2.76E-03
1725	419953.3	3740129	2.77E-02	0.00E+00	2.77E-02	2.71E-03
1726	420109.2	3740234	4.22E-02	0.00E+00	4.22E-02	4.13E-03
1727	420118.6	3740230	4.68E-02	0.00E+00	4.68E-02	4.58E-03
1728	420127.9	3740227	5.17E-02	0.00E+00	5.17E-02	5.06E-03
1729	420137.3	3740224	5.68E-02	0.00E+00	5.68E-02	5.57E-03
1730	420146.6	3740220	6.21E-02	0.00E+00	6.21E-02	6.09E-03
1731	420156	3740217	6.75E-02	0.00E+00	6.75E-02	6.61E-03
1732	420165.3	3740214	7.24E-02	0.00E+00	7.24E-02	7.09E-03

1733	420174.7	3740210	7.70E-02	0.00E+00	7.70E-02	7.54E-03
1734	420184	3740207	8.12E-02	0.00E+00	8.12E-02	7.95E-03
1735	420193.4	3740204	8.47E-02	0.00E+00	8.47E-02	8.30E-03
1736	420202.7	3740200	8.74E-02	0.00E+00	8.74E-02	8.56E-03
1737	420240.1	3740187	8.96E-02	0.00E+00	8.96E-02	8.78E-03
1738	420249.5	3740184	8.86E-02	0.00E+00	8.86E-02	8.67E-03
1739	420106.1	3740251	3.46E-02	0.00E+00	3.46E-02	3.38E-03
1740	420096.4	3740250	3.28E-02	0.00E+00	3.28E-02	3.21E-03
1741	420086.6	3740248	3.11E-02	0.00E+00	3.11E-02	3.04E-03
1742	420076.8	3740247	2.95E-02	0.00E+00	2.95E-02	2.89E-03
1743	420067	3740246	2.80E-02	0.00E+00	2.80E-02	2.74E-03
1744	420057.2	3740244	2.67E-02	0.00E+00	2.67E-02	2.62E-03
1745	420047.4	3740243	2.56E-02	0.00E+00	2.56E-02	2.50E-03
1746	420037.6	3740242	2.45E-02	0.00E+00	2.45E-02	2.40E-03
1747	420027.8	3740240	2.35E-02	0.00E+00	2.35E-02	2.30E-03
1748	420018	3740239	2.26E-02	0.00E+00	2.26E-02	2.22E-03
1749	420008.2	3740238	2.18E-02	0.00E+00	2.18E-02	2.13E-03
1750	419998.4	3740236	2.10E-02	0.00E+00	2.10E-02	2.06E-03
1751	419984.1	3740226	2.10E-02	0.00E+00	2.10E-02	2.05E-03
1752	419979.5	3740218	2.17E-02	0.00E+00	2.17E-02	2.12E-03
1753	419974.9	3740209	2.24E-02	0.00E+00	2.24E-02	2.19E-03
1754	419970.3	3740200	2.30E-02	0.00E+00	2.30E-02	2.25E-03
1755	419965.7	3740191	2.36E-02	0.00E+00	2.36E-02	2.31E-03
1756	419961.2	3740183	2.40E-02	0.00E+00	2.40E-02	2.35E-03
1757	419947.4	3740156	2.43E-02	0.00E+00	2.43E-02	2.38E-03
1758	419942.8	3740148	2.41E-02	0.00E+00	2.41E-02	2.36E-03
1759	419938.2	3740139	2.38E-02	0.00E+00	2.38E-02	2.33E-03
1760	419933.7	3740130	2.34E-02	0.00E+00	2.34E-02	2.29E-03
1761	420115.9	3740252	3.64E-02	0.00E+00	3.64E-02	3.56E-03
1762	420125.3	3740249	3.99E-02	0.00E+00	3.99E-02	3.91E-03
1763	420134.6	3740246	4.36E-02	0.00E+00	4.36E-02	4.27E-03
1764	420144	3740242	4.76E-02	0.00E+00	4.76E-02	4.66E-03
1765	420153.3	3740239	5.16E-02	0.00E+00	5.16E-02	5.05E-03
1766	420162.7	3740236	5.55E-02	0.00E+00	5.55E-02	5.43E-03
1767	420172	3740232	5.92E-02	0.00E+00	5.92E-02	5.79E-03
1768	420181.4	3740229	6.26E-02	0.00E+00	6.26E-02	6.13E-03
1769	420190.7	3740226	6.61E-02	0.00E+00	6.61E-02	6.47E-03
1770	420200.1	3740223	6.91E-02	0.00E+00	6.91E-02	6.76E-03
1771	420237.5	3740209	7.51E-02	0.00E+00	7.51E-02	7.36E-03
1772	420246.8	3740206	7.51E-02	0.00E+00	7.51E-02	7.35E-03
1773	420256.2	3740203	7.44E-02	0.00E+00	7.44E-02	7.29E-03
1774	420112.9	3740270	3.04E-02	0.00E+00	3.04E-02	2.98E-03
1775	420103.2	3740269	2.90E-02	0.00E+00	2.90E-02	2.84E-03
1776	420093.5	3740267	2.76E-02	0.00E+00	2.76E-02	2.70E-03
1777	420083.8	3740266	2.63E-02	0.00E+00	2.63E-02	2.58E-03
1778	420074.1	3740265	2.51E-02	0.00E+00	2.51E-02	2.46E-03
1779	420064.4	3740263	2.40E-02	0.00E+00	2.40E-02	2.35E-03

1780	420054.7	3740262	2.30E-02	0.00E+00	2.30E-02	2.26E-03
1781	420045	3740261	2.21E-02	0.00E+00	2.21E-02	2.17E-03
1782	420035.3	3740259	2.13E-02	0.00E+00	2.13E-02	2.09E-03
1783	420025.6	3740258	2.05E-02	0.00E+00	2.05E-02	2.01E-03
1784	420016	3740257	1.98E-02	0.00E+00	1.98E-02	1.94E-03
1785	420006.3	3740255	1.92E-02	0.00E+00	1.92E-02	1.88E-03
1786	419996.6	3740254	1.85E-02	0.00E+00	1.85E-02	1.81E-03
1787	419986.9	3740253	1.79E-02	0.00E+00	1.79E-02	1.75E-03
1788	419972.6	3740243	1.79E-02	0.00E+00	1.79E-02	1.75E-03
1789	419968.1	3740234	1.85E-02	0.00E+00	1.85E-02	1.81E-03
1790	419963.5	3740225	1.90E-02	0.00E+00	1.90E-02	1.86E-03
1791	419959	3740217	1.96E-02	0.00E+00	1.96E-02	1.92E-03
1792	419954.5	3740208	2.00E-02	0.00E+00	2.00E-02	1.96E-03
1793	419949.9	3740199	2.04E-02	0.00E+00	2.04E-02	2.00E-03
1794	419945.4	3740191	2.08E-02	0.00E+00	2.08E-02	2.03E-03
1795	419931.8	3740165	2.09E-02	0.00E+00	2.09E-02	2.05E-03
1796	419927.2	3740156	2.08E-02	0.00E+00	2.08E-02	2.03E-03
1797	419922.7	3740147	2.05E-02	0.00E+00	2.05E-02	2.01E-03
1798	419918.2	3740139	2.02E-02	0.00E+00	2.02E-02	1.98E-03
1799	419913.6	3740130	1.98E-02	0.00E+00	1.98E-02	1.94E-03
1800	420122.6	3740271	3.19E-02	0.00E+00	3.19E-02	3.12E-03
1801	420132	3740268	3.46E-02	0.00E+00	3.46E-02	3.39E-03
1802	420141.3	3740265	3.76E-02	0.00E+00	3.76E-02	3.68E-03
1803	420150.7	3740261	4.06E-02	0.00E+00	4.06E-02	3.98E-03
1804	420160	3740258	4.36E-02	0.00E+00	4.36E-02	4.27E-03
1805	420169.4	3740255	4.66E-02	0.00E+00	4.66E-02	4.56E-03
1806	420178.7	3740251	4.95E-02	0.00E+00	4.95E-02	4.85E-03
1807	420188.1	3740248	5.25E-02	0.00E+00	5.25E-02	5.14E-03
1808	420197.4	3740245	5.52E-02	0.00E+00	5.52E-02	5.41E-03
1809	420206.8	3740241	5.77E-02	0.00E+00	5.77E-02	5.65E-03
1810	420244.2	3740228	6.34E-02	0.00E+00	6.34E-02	6.21E-03
1811	420253.5	3740225	6.36E-02	0.00E+00	6.36E-02	6.23E-03
1812	420262.9	3740221	6.33E-02	0.00E+00	6.33E-02	6.20E-03
1813	420119.7	3740289	2.70E-02	0.00E+00	2.70E-02	2.64E-03
1814	420110.1	3740287	2.58E-02	0.00E+00	2.58E-02	2.53E-03
1815	420100.4	3740286	2.47E-02	0.00E+00	2.47E-02	2.42E-03
1816	420090.8	3740285	2.37E-02	0.00E+00	2.37E-02	2.32E-03
1817	420081.2	3740284	2.27E-02	0.00E+00	2.27E-02	2.22E-03
1818	420071.6	3740282	2.18E-02	0.00E+00	2.18E-02	2.13E-03
1819	420061.9	3740281	2.09E-02	0.00E+00	2.09E-02	2.05E-03
1820	420052.3	3740280	2.01E-02	0.00E+00	2.01E-02	1.97E-03
1821	420042.7	3740278	1.94E-02	0.00E+00	1.94E-02	1.90E-03
1822	420033.1	3740277	1.87E-02	0.00E+00	1.87E-02	1.83E-03
1823	420023.4	3740276	1.81E-02	0.00E+00	1.81E-02	1.77E-03
1824	420013.8	3740274	1.75E-02	0.00E+00	1.75E-02	1.71E-03
1825	420004.2	3740273	1.69E-02	0.00E+00	1.69E-02	1.66E-03
1826	419994.5	3740272	1.64E-02	0.00E+00	1.64E-02	1.61E-03

1827	419984.9	3740270	1.59E-02	0.00E+00	1.59E-02	1.56E-03
1828	419975.3	3740269	1.54E-02	0.00E+00	1.54E-02	1.51E-03
1829	419961.2	3740259	1.55E-02	0.00E+00	1.55E-02	1.52E-03
1830	419956.7	3740251	1.59E-02	0.00E+00	1.59E-02	1.56E-03
1831	419952.2	3740242	1.64E-02	0.00E+00	1.64E-02	1.61E-03
1832	419947.6	3740233	1.69E-02	0.00E+00	1.69E-02	1.65E-03
1833	419943.1	3740225	1.73E-02	0.00E+00	1.73E-02	1.69E-03
1834	419938.6	3740216	1.77E-02	0.00E+00	1.77E-02	1.73E-03
1835	419934.1	3740208	1.79E-02	0.00E+00	1.79E-02	1.76E-03
1836	419929.6	3740199	1.82E-02	0.00E+00	1.82E-02	1.78E-03
1837	419925.1	3740190	1.83E-02	0.00E+00	1.83E-02	1.79E-03
1838	419911.6	3740165	1.81E-02	0.00E+00	1.81E-02	1.77E-03
1839	419907.1	3740156	1.79E-02	0.00E+00	1.79E-02	1.75E-03
1840	419902.6	3740147	1.77E-02	0.00E+00	1.77E-02	1.73E-03
1841	419898.1	3740139	1.74E-02	0.00E+00	1.74E-02	1.70E-03
1842	419893.6	3740130	1.70E-02	0.00E+00	1.70E-02	1.67E-03
1843	420129.3	3740290	2.81E-02	0.00E+00	2.81E-02	2.75E-03
1844	420138.7	3740287	3.04E-02	0.00E+00	3.04E-02	2.98E-03
1845	420148	3740283	3.28E-02	0.00E+00	3.28E-02	3.21E-03
1846	420157.4	3740280	3.52E-02	0.00E+00	3.52E-02	3.45E-03
1847	420166.7	3740277	3.76E-02	0.00E+00	3.76E-02	3.68E-03
1848	420176.1	3740273	4.00E-02	0.00E+00	4.00E-02	3.91E-03
1849	420185.4	3740270	4.23E-02	0.00E+00	4.23E-02	4.15E-03
1850	420194.8	3740267	4.47E-02	0.00E+00	4.47E-02	4.38E-03
1851	420204.1	3740264	4.69E-02	0.00E+00	4.69E-02	4.59E-03
1852	420241.5	3740250	5.34E-02	0.00E+00	5.34E-02	5.23E-03
1853	420250.9	3740247	5.41E-02	0.00E+00	5.41E-02	5.30E-03
1854	420260.2	3740244	5.45E-02	0.00E+00	5.45E-02	5.34E-03
1855	420269.6	3740240	5.45E-02	0.00E+00	5.45E-02	5.34E-03
1856	420126.5	3740308	2.41E-02	0.00E+00	2.41E-02	2.36E-03
1857	420116.9	3740306	2.32E-02	0.00E+00	2.32E-02	2.27E-03
1858	420107.3	3740305	2.23E-02	0.00E+00	2.23E-02	2.18E-03
1859	420097.7	3740304	2.14E-02	0.00E+00	2.14E-02	2.10E-03
1860	420088.2	3740302	2.06E-02	0.00E+00	2.06E-02	2.02E-03
1861	420078.6	3740301	1.98E-02	0.00E+00	1.98E-02	1.94E-03
1862	420069	3740300	1.91E-02	0.00E+00	1.91E-02	1.87E-03
1863	420059.5	3740299	1.84E-02	0.00E+00	1.84E-02	1.80E-03
1864	420049.9	3740297	1.77E-02	0.00E+00	1.77E-02	1.74E-03
1865	420040.3	3740296	1.71E-02	0.00E+00	1.71E-02	1.68E-03
1866	420030.7	3740295	1.66E-02	0.00E+00	1.66E-02	1.62E-03
1867	420021.2	3740293	1.60E-02	0.00E+00	1.60E-02	1.57E-03
1868	420011.6	3740292	1.56E-02	0.00E+00	1.56E-02	1.52E-03
1869	420002	3740291	1.51E-02	0.00E+00	1.51E-02	1.48E-03
1870	419992.5	3740289	1.47E-02	0.00E+00	1.47E-02	1.44E-03
1871	419982.9	3740288	1.43E-02	0.00E+00	1.43E-02	1.40E-03
1872	419973.3	3740287	1.39E-02	0.00E+00	1.39E-02	1.36E-03
1873	419963.7	3740285	1.35E-02	0.00E+00	1.35E-02	1.33E-03

1874	419949.7	3740276	1.36E-02	0.00E+00	1.36E-02	1.33E-03
1875	419945.2	3740267	1.40E-02	0.00E+00	1.40E-02	1.37E-03
1876	419940.7	3740259	1.44E-02	0.00E+00	1.44E-02	1.41E-03
1877	419936.3	3740250	1.47E-02	0.00E+00	1.47E-02	1.44E-03
1878	419931.8	3740241	1.51E-02	0.00E+00	1.51E-02	1.48E-03
1879	419927.3	3740233	1.54E-02	0.00E+00	1.54E-02	1.51E-03
1880	419922.8	3740224	1.57E-02	0.00E+00	1.57E-02	1.53E-03
1881	419918.3	3740216	1.59E-02	0.00E+00	1.59E-02	1.56E-03
1882	419913.9	3740207	1.61E-02	0.00E+00	1.61E-02	1.57E-03
1883	419909.4	3740199	1.61E-02	0.00E+00	1.61E-02	1.58E-03
1884	419896	3740173	1.60E-02	0.00E+00	1.60E-02	1.57E-03
1885	419891.5	3740164	1.59E-02	0.00E+00	1.59E-02	1.55E-03
1886	419887	3740156	1.57E-02	0.00E+00	1.57E-02	1.53E-03
1887	419882.5	3740147	1.54E-02	0.00E+00	1.54E-02	1.51E-03
1888	419878	3740139	1.51E-02	0.00E+00	1.51E-02	1.48E-03
1889	419873.6	3740130	1.48E-02	0.00E+00	1.48E-02	1.45E-03
1890	420136	3740309	2.50E-02	0.00E+00	2.50E-02	2.45E-03
1891	420145.4	3740306	2.69E-02	0.00E+00	2.69E-02	2.63E-03
1892	420154.7	3740302	2.88E-02	0.00E+00	2.88E-02	2.82E-03
1893	420164.1	3740299	3.07E-02	0.00E+00	3.07E-02	3.01E-03
1894	420173.4	3740296	3.27E-02	0.00E+00	3.27E-02	3.20E-03
1895	420182.8	3740292	3.47E-02	0.00E+00	3.47E-02	3.39E-03
1896	420192.1	3740289	3.66E-02	0.00E+00	3.66E-02	3.59E-03
1897	420201.5	3740286	3.85E-02	0.00E+00	3.85E-02	3.77E-03
1898	420238.9	3740272	4.48E-02	0.00E+00	4.48E-02	4.39E-03
1899	420248.2	3740269	4.58E-02	0.00E+00	4.58E-02	4.49E-03
1900	420257.6	3740266	4.65E-02	0.00E+00	4.65E-02	4.55E-03
1901	420266.9	3740262	4.69E-02	0.00E+00	4.69E-02	4.59E-03
1902	420276.3	3740259	4.71E-02	0.00E+00	4.71E-02	4.61E-03
1903	420133.2	3740326	2.17E-02	0.00E+00	2.17E-02	2.13E-03
1904	420123.7	3740325	2.10E-02	0.00E+00	2.10E-02	2.05E-03
1905	420114.1	3740324	2.02E-02	0.00E+00	2.02E-02	1.98E-03
1906	420104.6	3740323	1.95E-02	0.00E+00	1.95E-02	1.91E-03
1907	420095.1	3740321	1.88E-02	0.00E+00	1.88E-02	1.84E-03
1908	420085.6	3740320	1.81E-02	0.00E+00	1.81E-02	1.77E-03
1909	420076	3740319	1.75E-02	0.00E+00	1.75E-02	1.71E-03
1910	420066.5	3740317	1.69E-02	0.00E+00	1.69E-02	1.65E-03
1911	420057	3740316	1.63E-02	0.00E+00	1.63E-02	1.59E-03
1912	420047.5	3740315	1.57E-02	0.00E+00	1.57E-02	1.54E-03
1913	420037.9	3740314	1.53E-02	0.00E+00	1.53E-02	1.49E-03
1914	420028.4	3740312	1.48E-02	0.00E+00	1.48E-02	1.45E-03
1915	420018.9	3740311	1.44E-02	0.00E+00	1.44E-02	1.41E-03
1916	420009.4	3740310	1.39E-02	0.00E+00	1.39E-02	1.37E-03
1917	419999.8	3740308	1.36E-02	0.00E+00	1.36E-02	1.33E-03
1918	419990.3	3740307	1.32E-02	0.00E+00	1.32E-02	1.29E-03
1919	419980.8	3740306	1.29E-02	0.00E+00	1.29E-02	1.26E-03
1920	419971.3	3740304	1.26E-02	0.00E+00	1.26E-02	1.23E-03

1921	419961.7	3740303	1.23E-02	0.00E+00	1.23E-02	1.20E-03
1922	419952.2	3740302	1.20E-02	0.00E+00	1.20E-02	1.17E-03
1923	419938.2	3740292	1.20E-02	0.00E+00	1.20E-02	1.18E-03
1924	419933.8	3740284	1.23E-02	0.00E+00	1.23E-02	1.21E-03
1925	419929.3	3740275	1.27E-02	0.00E+00	1.27E-02	1.24E-03
1926	419924.9	3740266	1.30E-02	0.00E+00	1.30E-02	1.27E-03
1927	419920.4	3740258	1.33E-02	0.00E+00	1.33E-02	1.30E-03
1928	419915.9	3740249	1.36E-02	0.00E+00	1.36E-02	1.33E-03
1929	419911.5	3740241	1.38E-02	0.00E+00	1.38E-02	1.35E-03
1930	419907	3740232	1.40E-02	0.00E+00	1.40E-02	1.38E-03
1931	419902.6	3740224	1.42E-02	0.00E+00	1.42E-02	1.39E-03
1932	419898.1	3740215	1.43E-02	0.00E+00	1.43E-02	1.40E-03
1933	419893.7	3740207	1.44E-02	0.00E+00	1.44E-02	1.41E-03
1934	419880.3	3740181	1.43E-02	0.00E+00	1.43E-02	1.40E-03
1935	419875.8	3740173	1.41E-02	0.00E+00	1.41E-02	1.39E-03
1936	419871.4	3740164	1.40E-02	0.00E+00	1.40E-02	1.37E-03
1937	419866.9	3740156	1.38E-02	0.00E+00	1.38E-02	1.35E-03
1938	419862.5	3740147	1.36E-02	0.00E+00	1.36E-02	1.33E-03
1939	419858	3740139	1.33E-02	0.00E+00	1.33E-02	1.30E-03
1940	419853.5	3740130	1.30E-02	0.00E+00	1.30E-02	1.28E-03
1941	420142.7	3740328	2.25E-02	0.00E+00	2.25E-02	2.20E-03
1942	420152.1	3740324	2.40E-02	0.00E+00	2.40E-02	2.35E-03
1943	420161.4	3740321	2.56E-02	0.00E+00	2.56E-02	2.50E-03
1944	420170.8	3740318	2.72E-02	0.00E+00	2.72E-02	2.66E-03
1945	420180.1	3740314	2.88E-02	0.00E+00	2.88E-02	2.82E-03
1946	420189.5	3740311	3.04E-02	0.00E+00	3.04E-02	2.97E-03
1947	420198.8	3740308	3.20E-02	0.00E+00	3.20E-02	3.13E-03
1948	420208.2	3740305	3.35E-02	0.00E+00	3.35E-02	3.28E-03
1949	420245.6	3740291	3.88E-02	0.00E+00	3.88E-02	3.80E-03
1950	420254.9	3740288	3.97E-02	0.00E+00	3.97E-02	3.89E-03
1951	420264.3	3740285	4.04E-02	0.00E+00	4.04E-02	3.95E-03
1952	420273.6	3740281	4.08E-02	0.00E+00	4.08E-02	3.99E-03
1953	420283	3740278	4.10E-02	0.00E+00	4.10E-02	4.02E-03
1954	420139.9	3740345	1.97E-02	0.00E+00	1.97E-02	1.93E-03
1955	420130.4	3740344	1.91E-02	0.00E+00	1.91E-02	1.87E-03
1956	420121	3740343	1.84E-02	0.00E+00	1.84E-02	1.81E-03
1957	420111.5	3740341	1.78E-02	0.00E+00	1.78E-02	1.75E-03
1958	420102	3740340	1.72E-02	0.00E+00	1.72E-02	1.69E-03
1959	420092.5	3740339	1.66E-02	0.00E+00	1.66E-02	1.63E-03
1960	420083	3740338	1.61E-02	0.00E+00	1.61E-02	1.57E-03
1961	420073.5	3740336	1.55E-02	0.00E+00	1.55E-02	1.52E-03
1962	420064	3740335	1.50E-02	0.00E+00	1.50E-02	1.47E-03
1963	420054.5	3740334	1.45E-02	0.00E+00	1.45E-02	1.42E-03
1964	420045.1	3740332	1.41E-02	0.00E+00	1.41E-02	1.38E-03
1965	420035.6	3740331	1.37E-02	0.00E+00	1.37E-02	1.34E-03
1966	420026.1	3740330	1.33E-02	0.00E+00	1.33E-02	1.30E-03
1967	420016.6	3740329	1.29E-02	0.00E+00	1.29E-02	1.27E-03

1968	420007.1	3740327	1.26E-02	0.00E+00	1.26E-02	1.23E-03
1969	419997.6	3740326	1.23E-02	0.00E+00	1.23E-02	1.20E-03
1970	419988.1	3740325	1.20E-02	0.00E+00	1.20E-02	1.17E-03
1971	419978.6	3740323	1.17E-02	0.00E+00	1.17E-02	1.14E-03
1972	419969.1	3740322	1.14E-02	0.00E+00	1.14E-02	1.12E-03
1973	419959.7	3740321	1.12E-02	0.00E+00	1.12E-02	1.09E-03
1974	419950.2	3740320	1.09E-02	0.00E+00	1.09E-02	1.07E-03
1975	419940.7	3740318	1.07E-02	0.00E+00	1.07E-02	1.05E-03
1976	419926.8	3740308	1.07E-02	0.00E+00	1.07E-02	1.05E-03
1977	419922.3	3740300	1.10E-02	0.00E+00	1.10E-02	1.08E-03
1978	419917.9	3740291	1.13E-02	0.00E+00	1.13E-02	1.10E-03
1979	419913.4	3740283	1.15E-02	0.00E+00	1.15E-02	1.13E-03
1980	419909	3740275	1.18E-02	0.00E+00	1.18E-02	1.15E-03
1981	419904.6	3740266	1.20E-02	0.00E+00	1.20E-02	1.18E-03
1982	419900.1	3740258	1.23E-02	0.00E+00	1.23E-02	1.20E-03
1983	419895.7	3740249	1.25E-02	0.00E+00	1.25E-02	1.22E-03
1984	419891.2	3740241	1.27E-02	0.00E+00	1.27E-02	1.24E-03
1985	419886.8	3740232	1.28E-02	0.00E+00	1.28E-02	1.26E-03
1986	419882.4	3740224	1.29E-02	0.00E+00	1.29E-02	1.26E-03
1987	419877.9	3740215	1.30E-02	0.00E+00	1.30E-02	1.27E-03
1988	419864.6	3740190	1.28E-02	0.00E+00	1.28E-02	1.26E-03
1989	419860.2	3740181	1.27E-02	0.00E+00	1.27E-02	1.25E-03
1990	419855.7	3740173	1.26E-02	0.00E+00	1.26E-02	1.23E-03
1991	419851.3	3740164	1.24E-02	0.00E+00	1.24E-02	1.22E-03
1992	419846.8	3740156	1.22E-02	0.00E+00	1.22E-02	1.20E-03
1993	419842.4	3740147	1.20E-02	0.00E+00	1.20E-02	1.18E-03
1994	419838	3740139	1.18E-02	0.00E+00	1.18E-02	1.16E-03
1995	419833.5	3740130	1.15E-02	0.00E+00	1.15E-02	1.13E-03
1996	420149.4	3740347	2.04E-02	0.00E+00	2.04E-02	1.99E-03
1997	420158.8	3740343	2.16E-02	0.00E+00	2.16E-02	2.12E-03
1998	420168.1	3740340	2.29E-02	0.00E+00	2.29E-02	2.25E-03
1999	420177.5	3740337	2.43E-02	0.00E+00	2.43E-02	2.38E-03
2000	420186.8	3740333	2.56E-02	0.00E+00	2.56E-02	2.51E-03
2001	420196.2	3740330	2.69E-02	0.00E+00	2.69E-02	2.64E-03
2002	420205.5	3740327	2.82E-02	0.00E+00	2.82E-02	2.76E-03
2003	420242.9	3740313	3.29E-02	0.00E+00	3.29E-02	3.22E-03
2004	420252.3	3740310	3.39E-02	0.00E+00	3.39E-02	3.32E-03
2005	420261.6	3740307	3.48E-02	0.00E+00	3.48E-02	3.40E-03
2006	420271	3740303	3.54E-02	0.00E+00	3.54E-02	3.47E-03
2007	420280.3	3740300	3.59E-02	0.00E+00	3.59E-02	3.51E-03
2008	420289.7	3740297	3.61E-02	0.00E+00	3.61E-02	3.54E-03
2009	420146.7	3740364	1.80E-02	0.00E+00	1.80E-02	1.76E-03
2010	420137.2	3740363	1.74E-02	0.00E+00	1.74E-02	1.71E-03
2011	420127.7	3740362	1.69E-02	0.00E+00	1.69E-02	1.65E-03
2012	420118.3	3740360	1.63E-02	0.00E+00	1.63E-02	1.60E-03
2013	420108.8	3740359	1.58E-02	0.00E+00	1.58E-02	1.55E-03
2014	420099.4	3740358	1.53E-02	0.00E+00	1.53E-02	1.50E-03

2015	420089.9	3740356	1.48E-02	0.00E+00	1.48E-02	1.45E-03
2016	420080.5	3740355	1.43E-02	0.00E+00	1.43E-02	1.40E-03
2017	420071	3740354	1.39E-02	0.00E+00	1.39E-02	1.36E-03
2018	420061.5	3740353	1.35E-02	0.00E+00	1.35E-02	1.32E-03
2019	420052.1	3740351	1.31E-02	0.00E+00	1.31E-02	1.28E-03
2020	420042.6	3740350	1.27E-02	0.00E+00	1.27E-02	1.24E-03
2021	420033.2	3740349	1.23E-02	0.00E+00	1.23E-02	1.21E-03
2022	420023.7	3740347	1.20E-02	0.00E+00	1.20E-02	1.18E-03
2023	420014.3	3740346	1.17E-02	0.00E+00	1.17E-02	1.15E-03
2024	420004.8	3740345	1.14E-02	0.00E+00	1.14E-02	1.12E-03
2025	419995.4	3740344	1.12E-02	0.00E+00	1.12E-02	1.09E-03
2026	419985.9	3740342	1.09E-02	0.00E+00	1.09E-02	1.07E-03
2027	419976.4	3740341	1.07E-02	0.00E+00	1.07E-02	1.04E-03
2028	419967	3740340	1.04E-02	0.00E+00	1.04E-02	1.02E-03
2029	419957.5	3740338	1.02E-02	0.00E+00	1.02E-02	1.00E-03
2030	419948.1	3740337	1.00E-02	0.00E+00	1.00E-02	9.81E-04
2031	419938.6	3740336	9.82E-03	0.00E+00	9.82E-03	9.61E-04
2032	419929.2	3740335	9.62E-03	0.00E+00	9.62E-03	9.41E-04
2033	419915.3	3740325	9.63E-03	0.00E+00	9.63E-03	9.43E-04
2034	419910.9	3740316	9.85E-03	0.00E+00	9.85E-03	9.65E-04
2035	419906.4	3740308	1.01E-02	0.00E+00	1.01E-02	9.87E-04
2036	419902	3740299	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2037	419897.6	3740291	1.05E-02	0.00E+00	1.05E-02	1.03E-03
2038	419893.2	3740283	1.08E-02	0.00E+00	1.08E-02	1.05E-03
2039	419888.7	3740274	1.10E-02	0.00E+00	1.10E-02	1.07E-03
2040	419884.3	3740266	1.12E-02	0.00E+00	1.12E-02	1.09E-03
2041	419879.9	3740257	1.13E-02	0.00E+00	1.13E-02	1.11E-03
2042	419875.5	3740249	1.15E-02	0.00E+00	1.15E-02	1.13E-03
2043	419871	3740240	1.16E-02	0.00E+00	1.16E-02	1.14E-03
2044	419866.6	3740232	1.17E-02	0.00E+00	1.17E-02	1.14E-03
2045	419862.2	3740223	1.17E-02	0.00E+00	1.17E-02	1.15E-03
2046	419857.8	3740215	1.17E-02	0.00E+00	1.17E-02	1.15E-03
2047	419844.5	3740190	1.15E-02	0.00E+00	1.15E-02	1.13E-03
2048	419840.1	3740181	1.14E-02	0.00E+00	1.14E-02	1.12E-03
2049	419835.6	3740173	1.13E-02	0.00E+00	1.13E-02	1.10E-03
2050	419831.2	3740164	1.11E-02	0.00E+00	1.11E-02	1.09E-03
2051	419826.8	3740156	1.09E-02	0.00E+00	1.09E-02	1.07E-03
2052	419822.4	3740147	1.07E-02	0.00E+00	1.07E-02	1.05E-03
2053	419817.9	3740139	1.05E-02	0.00E+00	1.05E-02	1.03E-03
2054	419813.5	3740130	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2055	420156.1	3740365	1.85E-02	0.00E+00	1.85E-02	1.81E-03
2056	420165.5	3740362	1.96E-02	0.00E+00	1.96E-02	1.92E-03
2057	420174.8	3740359	2.07E-02	0.00E+00	2.07E-02	2.03E-03
2058	420184.2	3740356	2.18E-02	0.00E+00	2.18E-02	2.14E-03
2059	420193.5	3740352	2.30E-02	0.00E+00	2.30E-02	2.25E-03
2060	420202.9	3740349	2.41E-02	0.00E+00	2.41E-02	2.36E-03
2061	420240.3	3740336	2.81E-02	0.00E+00	2.81E-02	2.75E-03

2062	420249.6	3740332	2.91E-02	0.00E+00	2.91E-02	2.85E-03
2063	420259	3740329	2.99E-02	0.00E+00	2.99E-02	2.93E-03
2064	420268.3	3740326	3.07E-02	0.00E+00	3.07E-02	3.00E-03
2065	420277.7	3740322	3.12E-02	0.00E+00	3.12E-02	3.06E-03
2066	420287	3740319	3.17E-02	0.00E+00	3.17E-02	3.10E-03
2067	420296.4	3740316	3.20E-02	0.00E+00	3.20E-02	3.13E-03
2068	420153	3740383	1.64E-02	0.00E+00	1.64E-02	1.61E-03
2069	420143.2	3740382	1.60E-02	0.00E+00	1.60E-02	1.56E-03
2070	420133.4	3740380	1.55E-02	0.00E+00	1.55E-02	1.51E-03
2071	420123.6	3740379	1.50E-02	0.00E+00	1.50E-02	1.47E-03
2072	420113.8	3740378	1.45E-02	0.00E+00	1.45E-02	1.42E-03
2073	420104.1	3740376	1.41E-02	0.00E+00	1.41E-02	1.38E-03
2074	420094.3	3740375	1.36E-02	0.00E+00	1.36E-02	1.33E-03
2075	420084.5	3740374	1.32E-02	0.00E+00	1.32E-02	1.29E-03
2076	420074.7	3740372	1.28E-02	0.00E+00	1.28E-02	1.25E-03
2077	420064.9	3740371	1.24E-02	0.00E+00	1.24E-02	1.21E-03
2078	420055.1	3740370	1.20E-02	0.00E+00	1.20E-02	1.18E-03
2079	420045.3	3740368	1.17E-02	0.00E+00	1.17E-02	1.14E-03
2080	420035.5	3740367	1.13E-02	0.00E+00	1.13E-02	1.11E-03
2081	420025.7	3740366	1.10E-02	0.00E+00	1.10E-02	1.08E-03
2082	420015.9	3740364	1.08E-02	0.00E+00	1.08E-02	1.05E-03
2083	420006.1	3740363	1.05E-02	0.00E+00	1.05E-02	1.03E-03
2084	419996.3	3740362	1.03E-02	0.00E+00	1.03E-02	1.00E-03
2085	419986.6	3740360	1.00E-02	0.00E+00	1.00E-02	9.82E-04
2086	419976.8	3740359	9.82E-03	0.00E+00	9.82E-03	9.62E-04
2087	419967	3740358	9.62E-03	0.00E+00	9.62E-03	9.42E-04
2088	419957.2	3740356	9.42E-03	0.00E+00	9.42E-03	9.23E-04
2089	419947.4	3740355	9.23E-03	0.00E+00	9.23E-03	9.04E-04
2090	419937.6	3740354	9.05E-03	0.00E+00	9.05E-03	8.87E-04
2091	419927.8	3740352	8.88E-03	0.00E+00	8.88E-03	8.69E-04
2092	419918	3740351	8.70E-03	0.00E+00	8.70E-03	8.52E-04
2093	419903.6	3740341	8.72E-03	0.00E+00	8.72E-03	8.54E-04
2094	419899.1	3740332	8.93E-03	0.00E+00	8.93E-03	8.74E-04
2095	419894.5	3740323	9.13E-03	0.00E+00	9.13E-03	8.94E-04
2096	419889.9	3740315	9.33E-03	0.00E+00	9.33E-03	9.14E-04
2097	419885.3	3740306	9.54E-03	0.00E+00	9.54E-03	9.34E-04
2098	419880.7	3740297	9.73E-03	0.00E+00	9.73E-03	9.53E-04
2099	419876.1	3740288	9.92E-03	0.00E+00	9.92E-03	9.72E-04
2100	419871.6	3740280	1.01E-02	0.00E+00	1.01E-02	9.89E-04
2101	419867	3740271	1.03E-02	0.00E+00	1.03E-02	1.00E-03
2102	419862.4	3740262	1.04E-02	0.00E+00	1.04E-02	1.02E-03
2103	419857.8	3740253	1.05E-02	0.00E+00	1.05E-02	1.03E-03
2104	419853.2	3740245	1.06E-02	0.00E+00	1.06E-02	1.04E-03
2105	419848.6	3740236	1.07E-02	0.00E+00	1.07E-02	1.04E-03
2106	419844.1	3740227	1.07E-02	0.00E+00	1.07E-02	1.05E-03
2107	419830.3	3740201	1.05E-02	0.00E+00	1.05E-02	1.03E-03
2108	419825.7	3740192	1.04E-02	0.00E+00	1.04E-02	1.02E-03

2109	419821.2	3740183	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2110	419816.6	3740175	1.02E-02	0.00E+00	1.02E-02	9.98E-04
2111	419812	3740166	1.00E-02	0.00E+00	1.00E-02	9.83E-04
2112	419807.4	3740157	9.86E-03	0.00E+00	9.86E-03	9.66E-04
2113	419802.8	3740148	9.67E-03	0.00E+00	9.67E-03	9.47E-04
2114	420162.8	3740384	1.69E-02	0.00E+00	1.69E-02	1.66E-03
2115	420172.2	3740381	1.78E-02	0.00E+00	1.78E-02	1.75E-03
2116	420181.5	3740378	1.88E-02	0.00E+00	1.88E-02	1.84E-03
2117	420190.9	3740374	1.98E-02	0.00E+00	1.98E-02	1.93E-03
2118	420200.2	3740371	2.07E-02	0.00E+00	2.07E-02	2.03E-03
2119	420209.6	3740368	2.17E-02	0.00E+00	2.17E-02	2.12E-03
2120	420246.9	3740354	2.52E-02	0.00E+00	2.52E-02	2.47E-03
2121	420256.3	3740351	2.59E-02	0.00E+00	2.59E-02	2.54E-03
2122	420265.6	3740348	2.66E-02	0.00E+00	2.66E-02	2.61E-03
2123	420275	3740344	2.73E-02	0.00E+00	2.73E-02	2.67E-03
2124	420284.3	3740341	2.78E-02	0.00E+00	2.78E-02	2.72E-03
2125	420293.7	3740338	2.82E-02	0.00E+00	2.82E-02	2.77E-03
2126	420303	3740335	2.86E-02	0.00E+00	2.86E-02	2.80E-03
2127	420159.8	3740402	1.51E-02	0.00E+00	1.51E-02	1.48E-03
2128	420150	3740401	1.47E-02	0.00E+00	1.47E-02	1.44E-03
2129	420140.3	3740399	1.43E-02	0.00E+00	1.43E-02	1.40E-03
2130	420130.5	3740398	1.39E-02	0.00E+00	1.39E-02	1.36E-03
2131	420120.8	3740397	1.34E-02	0.00E+00	1.34E-02	1.32E-03
2132	420111	3740395	1.30E-02	0.00E+00	1.30E-02	1.28E-03
2133	420101.3	3740394	1.27E-02	0.00E+00	1.27E-02	1.24E-03
2134	420091.6	3740393	1.23E-02	0.00E+00	1.23E-02	1.20E-03
2135	420081.8	3740391	1.19E-02	0.00E+00	1.19E-02	1.17E-03
2136	420072.1	3740390	1.16E-02	0.00E+00	1.16E-02	1.13E-03
2137	420062.3	3740389	1.12E-02	0.00E+00	1.12E-02	1.10E-03
2138	420052.6	3740387	1.09E-02	0.00E+00	1.09E-02	1.07E-03
2139	420042.9	3740386	1.06E-02	0.00E+00	1.06E-02	1.04E-03
2140	420033.1	3740385	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2141	420023.4	3740383	1.01E-02	0.00E+00	1.01E-02	9.88E-04
2142	420013.6	3740382	9.84E-03	0.00E+00	9.84E-03	9.64E-04
2143	420003.9	3740381	9.61E-03	0.00E+00	9.61E-03	9.41E-04
2144	419994.1	3740379	9.41E-03	0.00E+00	9.41E-03	9.21E-04
2145	419984.4	3740378	9.22E-03	0.00E+00	9.22E-03	9.03E-04
2146	419974.7	3740377	9.04E-03	0.00E+00	9.04E-03	8.85E-04
2147	419964.9	3740375	8.86E-03	0.00E+00	8.86E-03	8.68E-04
2148	419955.2	3740374	8.69E-03	0.00E+00	8.69E-03	8.51E-04
2149	419945.4	3740373	8.52E-03	0.00E+00	8.52E-03	8.34E-04
2150	419935.7	3740371	8.36E-03	0.00E+00	8.36E-03	8.19E-04
2151	419926	3740370	8.22E-03	0.00E+00	8.22E-03	8.04E-04
2152	419916.2	3740369	8.06E-03	0.00E+00	8.06E-03	7.89E-04
2153	419906.5	3740367	7.91E-03	0.00E+00	7.91E-03	7.74E-04
2154	419892.2	3740357	7.93E-03	0.00E+00	7.93E-03	7.77E-04
2155	419887.6	3740349	8.11E-03	0.00E+00	8.11E-03	7.94E-04

2156	419883.1	3740340	8.29E-03	0.00E+00	8.29E-03	8.11E-04
2157	419878.5	3740331	8.46E-03	0.00E+00	8.46E-03	8.29E-04
2158	419873.9	3740322	8.64E-03	0.00E+00	8.64E-03	8.46E-04
2159	419869.4	3740314	8.82E-03	0.00E+00	8.82E-03	8.63E-04
2160	419864.8	3740305	8.98E-03	0.00E+00	8.98E-03	8.80E-04
2161	419860.3	3740296	9.14E-03	0.00E+00	9.14E-03	8.95E-04
2162	419855.7	3740288	9.29E-03	0.00E+00	9.29E-03	9.10E-04
2163	419851.1	3740279	9.42E-03	0.00E+00	9.42E-03	9.23E-04
2164	419846.6	3740270	9.54E-03	0.00E+00	9.54E-03	9.34E-04
2165	419842	3740261	9.64E-03	0.00E+00	9.64E-03	9.44E-04
2166	419837.5	3740253	9.72E-03	0.00E+00	9.72E-03	9.52E-04
2167	419832.9	3740244	9.77E-03	0.00E+00	9.77E-03	9.56E-04
2168	419828.3	3740235	9.78E-03	0.00E+00	9.78E-03	9.58E-04
2169	419823.8	3740227	9.76E-03	0.00E+00	9.76E-03	9.56E-04
2170	419810.1	3740201	9.58E-03	0.00E+00	9.58E-03	9.38E-04
2171	419805.6	3740192	9.47E-03	0.00E+00	9.47E-03	9.27E-04
2172	420169.5	3740403	1.55E-02	0.00E+00	1.55E-02	1.52E-03
2173	420178.9	3740400	1.63E-02	0.00E+00	1.63E-02	1.60E-03
2174	420188.2	3740397	1.71E-02	0.00E+00	1.71E-02	1.68E-03
2175	420197.5	3740393	1.80E-02	0.00E+00	1.80E-02	1.76E-03
2176	420206.9	3740390	1.88E-02	0.00E+00	1.88E-02	1.84E-03
2177	420244.3	3740377	2.20E-02	0.00E+00	2.20E-02	2.15E-03
2178	420253.6	3740373	2.27E-02	0.00E+00	2.27E-02	2.22E-03
2179	420263	3740370	2.33E-02	0.00E+00	2.33E-02	2.29E-03
2180	420272.3	3740367	2.40E-02	0.00E+00	2.40E-02	2.35E-03
2181	420281.7	3740363	2.45E-02	0.00E+00	2.45E-02	2.40E-03
2182	420291	3740360	2.50E-02	0.00E+00	2.50E-02	2.45E-03
2183	420300.4	3740357	2.54E-02	0.00E+00	2.54E-02	2.48E-03
2184	420309.7	3740353	2.57E-02	0.00E+00	2.57E-02	2.51E-03
2185	420169.9	3740430	1.34E-02	0.00E+00	1.34E-02	1.31E-03
2186	420160.2	3740429	1.31E-02	0.00E+00	1.31E-02	1.28E-03
2187	420150.5	3740427	1.27E-02	0.00E+00	1.27E-02	1.24E-03
2188	420140.8	3740426	1.24E-02	0.00E+00	1.24E-02	1.21E-03
2189	420131.1	3740425	1.20E-02	0.00E+00	1.20E-02	1.18E-03
2190	420121.5	3740424	1.17E-02	0.00E+00	1.17E-02	1.15E-03
2191	420111.8	3740422	1.14E-02	0.00E+00	1.14E-02	1.12E-03
2192	420102.1	3740421	1.11E-02	0.00E+00	1.11E-02	1.09E-03
2193	420092.4	3740420	1.08E-02	0.00E+00	1.08E-02	1.06E-03
2194	420082.8	3740418	1.05E-02	0.00E+00	1.05E-02	1.03E-03
2195	420073.1	3740417	1.02E-02	0.00E+00	1.02E-02	9.98E-04
2196	420063.4	3740416	9.92E-03	0.00E+00	9.92E-03	9.71E-04
2197	420053.7	3740414	9.66E-03	0.00E+00	9.66E-03	9.46E-04
2198	420044	3740413	9.41E-03	0.00E+00	9.41E-03	9.22E-04
2199	420034.4	3740412	9.18E-03	0.00E+00	9.18E-03	8.99E-04
2200	420024.7	3740410	8.97E-03	0.00E+00	8.97E-03	8.78E-04
2201	420015	3740409	8.78E-03	0.00E+00	8.78E-03	8.60E-04
2202	420005.3	3740408	8.60E-03	0.00E+00	8.60E-03	8.42E-04

2203	419995.6	3740406	8.43E-03	0.00E+00	8.43E-03	8.25E-04
2204	419986	3740405	8.27E-03	0.00E+00	8.27E-03	8.09E-04
2205	419976.3	3740404	8.11E-03	0.00E+00	8.11E-03	7.94E-04
2206	419966.6	3740402	7.96E-03	0.00E+00	7.96E-03	7.80E-04
2207	419956.9	3740401	7.82E-03	0.00E+00	7.82E-03	7.65E-04
2208	419947.2	3740400	7.67E-03	0.00E+00	7.67E-03	7.51E-04
2209	419937.6	3740398	7.54E-03	0.00E+00	7.54E-03	7.38E-04
2210	419927.9	3740397	7.41E-03	0.00E+00	7.41E-03	7.26E-04
2211	419918.2	3740396	7.29E-03	0.00E+00	7.29E-03	7.14E-04
2212	419908.5	3740395	7.17E-03	0.00E+00	7.17E-03	7.02E-04
2213	419898.9	3740393	7.04E-03	0.00E+00	7.04E-03	6.90E-04
2214	419889.2	3740392	6.92E-03	0.00E+00	6.92E-03	6.78E-04
2215	419875	3740382	6.95E-03	0.00E+00	6.95E-03	6.80E-04
2216	419870.4	3740373	7.09E-03	0.00E+00	7.09E-03	6.94E-04
2217	419865.9	3740365	7.23E-03	0.00E+00	7.23E-03	7.08E-04
2218	419861.4	3740356	7.38E-03	0.00E+00	7.38E-03	7.23E-04
2219	419856.8	3740347	7.53E-03	0.00E+00	7.53E-03	7.37E-04
2220	419852.3	3740339	7.67E-03	0.00E+00	7.67E-03	7.51E-04
2221	419847.8	3740330	7.81E-03	0.00E+00	7.81E-03	7.64E-04
2222	419843.3	3740321	7.94E-03	0.00E+00	7.94E-03	7.78E-04
2223	419838.7	3740313	8.07E-03	0.00E+00	8.07E-03	7.90E-04
2224	419834.2	3740304	8.19E-03	0.00E+00	8.19E-03	8.02E-04
2225	419829.7	3740295	8.30E-03	0.00E+00	8.30E-03	8.13E-04
2226	419825.1	3740287	8.40E-03	0.00E+00	8.40E-03	8.23E-04
2227	419820.6	3740278	8.48E-03	0.00E+00	8.48E-03	8.31E-04
2228	419816.1	3740269	8.55E-03	0.00E+00	8.55E-03	8.38E-04
2229	419811.6	3740261	8.60E-03	0.00E+00	8.60E-03	8.42E-04
2230	419807	3740252	8.63E-03	0.00E+00	8.63E-03	8.45E-04
2231	419802.5	3740243	8.64E-03	0.00E+00	8.64E-03	8.46E-04
2232	419798	3740235	8.62E-03	0.00E+00	8.62E-03	8.44E-04
2233	419770.8	3740183	8.11E-03	0.00E+00	8.11E-03	7.95E-04
2234	419766.3	3740174	7.98E-03	0.00E+00	7.98E-03	7.81E-04
2235	419761.7	3740166	7.82E-03	0.00E+00	7.82E-03	7.66E-04
2236	419757.2	3740157	7.66E-03	0.00E+00	7.66E-03	7.50E-04
2237	419752.7	3740148	7.50E-03	0.00E+00	7.50E-03	7.34E-04
2238	419748.1	3740140	7.32E-03	0.00E+00	7.32E-03	7.17E-04
2239	419743.6	3740131	7.14E-03	0.00E+00	7.14E-03	6.99E-04
2240	420179.5	3740431	1.37E-02	0.00E+00	1.37E-02	1.35E-03
2241	420188.9	3740428	1.44E-02	0.00E+00	1.44E-02	1.41E-03
2242	420198.2	3740425	1.50E-02	0.00E+00	1.50E-02	1.47E-03
2243	420207.6	3740421	1.57E-02	0.00E+00	1.57E-02	1.54E-03
2244	420245	3740408	1.84E-02	0.00E+00	1.84E-02	1.80E-03
2245	420254.3	3740405	1.90E-02	0.00E+00	1.90E-02	1.86E-03
2246	420263.7	3740402	1.96E-02	0.00E+00	1.96E-02	1.92E-03
2247	420273	3740398	2.01E-02	0.00E+00	2.01E-02	1.97E-03
2248	420282.4	3740395	2.06E-02	0.00E+00	2.06E-02	2.02E-03
2249	420291.7	3740392	2.11E-02	0.00E+00	2.11E-02	2.06E-03

2250	420301.1	3740388	2.15E-02	0.00E+00	2.15E-02	2.10E-03
2251	420310.4	3740385	2.18E-02	0.00E+00	2.18E-02	2.13E-03
2252	420319.8	3740382	2.20E-02	0.00E+00	2.20E-02	2.16E-03
2253	420180	3740458	1.20E-02	0.00E+00	1.20E-02	1.17E-03
2254	420170.3	3740457	1.17E-02	0.00E+00	1.17E-02	1.15E-03
2255	420160.7	3740456	1.14E-02	0.00E+00	1.14E-02	1.12E-03
2256	420151.1	3740454	1.11E-02	0.00E+00	1.11E-02	1.09E-03
2257	420141.4	3740453	1.09E-02	0.00E+00	1.09E-02	1.06E-03
2258	420131.8	3740452	1.06E-02	0.00E+00	1.06E-02	1.04E-03
2259	420122.2	3740451	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2260	420112.6	3740449	1.01E-02	0.00E+00	1.01E-02	9.87E-04
2261	420102.9	3740448	9.82E-03	0.00E+00	9.82E-03	9.62E-04
2262	420093.3	3740447	9.56E-03	0.00E+00	9.56E-03	9.37E-04
2263	420083.7	3740445	9.31E-03	0.00E+00	9.31E-03	9.12E-04
2264	420074.1	3740444	9.07E-03	0.00E+00	9.07E-03	8.88E-04
2265	420064.4	3740443	8.84E-03	0.00E+00	8.84E-03	8.65E-04
2266	420054.8	3740441	8.62E-03	0.00E+00	8.62E-03	8.44E-04
2267	420045.2	3740440	8.41E-03	0.00E+00	8.41E-03	8.24E-04
2268	420035.5	3740439	8.21E-03	0.00E+00	8.21E-03	8.04E-04
2269	420025.9	3740437	8.04E-03	0.00E+00	8.04E-03	7.87E-04
2270	420016.3	3740436	7.89E-03	0.00E+00	7.89E-03	7.73E-04
2271	420006.7	3740435	7.75E-03	0.00E+00	7.75E-03	7.59E-04
2272	419997	3740433	7.61E-03	0.00E+00	7.61E-03	7.45E-04
2273	419987.4	3740432	7.47E-03	0.00E+00	7.47E-03	7.32E-04
2274	419977.8	3740431	7.34E-03	0.00E+00	7.34E-03	7.19E-04
2275	419968.2	3740430	7.21E-03	0.00E+00	7.21E-03	7.06E-04
2276	419958.5	3740428	7.08E-03	0.00E+00	7.08E-03	6.94E-04
2277	419948.9	3740427	6.96E-03	0.00E+00	6.96E-03	6.81E-04
2278	419939.3	3740426	6.84E-03	0.00E+00	6.84E-03	6.70E-04
2279	419929.7	3740424	6.72E-03	0.00E+00	6.72E-03	6.58E-04
2280	419920	3740423	6.61E-03	0.00E+00	6.61E-03	6.47E-04
2281	419910.4	3740422	6.50E-03	0.00E+00	6.50E-03	6.37E-04
2282	419900.8	3740420	6.40E-03	0.00E+00	6.40E-03	6.27E-04
2283	419891.1	3740419	6.30E-03	0.00E+00	6.30E-03	6.17E-04
2284	419881.5	3740418	6.20E-03	0.00E+00	6.20E-03	6.07E-04
2285	419871.9	3740416	6.10E-03	0.00E+00	6.10E-03	5.97E-04
2286	419857.8	3740407	6.12E-03	0.00E+00	6.12E-03	5.99E-04
2287	419853.2	3740398	6.24E-03	0.00E+00	6.24E-03	6.11E-04
2288	419848.7	3740389	6.36E-03	0.00E+00	6.36E-03	6.23E-04
2289	419844.2	3740381	6.48E-03	0.00E+00	6.48E-03	6.35E-04
2290	419839.7	3740372	6.60E-03	0.00E+00	6.60E-03	6.47E-04
2291	419835.2	3740363	6.72E-03	0.00E+00	6.72E-03	6.58E-04
2292	419830.7	3740355	6.84E-03	0.00E+00	6.84E-03	6.70E-04
2293	419826.2	3740346	6.96E-03	0.00E+00	6.96E-03	6.81E-04
2294	419821.7	3740338	7.07E-03	0.00E+00	7.07E-03	6.92E-04
2295	419817.2	3740329	7.18E-03	0.00E+00	7.18E-03	7.03E-04
2296	419812.7	3740320	7.28E-03	0.00E+00	7.28E-03	7.13E-04

2297	419808.2	3740312	7.38E-03	0.00E+00	7.38E-03	7.23E-04
2298	419803.7	3740303	7.46E-03	0.00E+00	7.46E-03	7.31E-04
2299	419799.2	3740295	7.54E-03	0.00E+00	7.54E-03	7.38E-04
2300	419763.1	3740226	7.59E-03	0.00E+00	7.59E-03	7.43E-04
2301	419758.6	3740217	7.52E-03	0.00E+00	7.52E-03	7.36E-04
2302	419754.1	3740209	7.43E-03	0.00E+00	7.43E-03	7.27E-04
2303	419749.6	3740200	7.32E-03	0.00E+00	7.32E-03	7.17E-04
2304	419745.1	3740191	7.20E-03	0.00E+00	7.20E-03	7.05E-04
2305	419740.6	3740183	7.08E-03	0.00E+00	7.08E-03	6.93E-04
2306	419736.1	3740174	6.95E-03	0.00E+00	6.95E-03	6.80E-04
2307	419731.6	3740165	6.81E-03	0.00E+00	6.81E-03	6.66E-04
2308	419727.1	3740157	6.66E-03	0.00E+00	6.66E-03	6.52E-04
2309	419722.6	3740148	6.51E-03	0.00E+00	6.51E-03	6.38E-04
2310	419718.1	3740140	6.36E-03	0.00E+00	6.36E-03	6.23E-04
2311	419713.6	3740131	6.21E-03	0.00E+00	6.21E-03	6.08E-04
2312	420189.6	3740460	1.23E-02	0.00E+00	1.23E-02	1.20E-03
2313	420198.9	3740456	1.28E-02	0.00E+00	1.28E-02	1.25E-03
2314	420208.3	3740453	1.33E-02	0.00E+00	1.33E-02	1.31E-03
2315	420245.7	3740440	1.55E-02	0.00E+00	1.55E-02	1.52E-03
2316	420255	3740436	1.61E-02	0.00E+00	1.61E-02	1.57E-03
2317	420264.4	3740433	1.66E-02	0.00E+00	1.66E-02	1.62E-03
2318	420273.7	3740430	1.71E-02	0.00E+00	1.71E-02	1.67E-03
2319	420283.1	3740426	1.75E-02	0.00E+00	1.75E-02	1.71E-03
2320	420292.4	3740423	1.79E-02	0.00E+00	1.79E-02	1.76E-03
2321	420301.8	3740420	1.83E-02	0.00E+00	1.83E-02	1.79E-03
2322	420311.1	3740417	1.86E-02	0.00E+00	1.86E-02	1.83E-03
2323	420320.5	3740413	1.89E-02	0.00E+00	1.89E-02	1.85E-03
2324	420329.8	3740410	1.92E-02	0.00E+00	1.92E-02	1.88E-03
2325	420190	3740487	1.08E-02	0.00E+00	1.08E-02	1.06E-03
2326	420180.5	3740485	1.06E-02	0.00E+00	1.06E-02	1.03E-03
2327	420170.9	3740484	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2328	420161.3	3740483	1.01E-02	0.00E+00	1.01E-02	9.87E-04
2329	420151.7	3740481	9.84E-03	0.00E+00	9.84E-03	9.64E-04
2330	420142.1	3740480	9.62E-03	0.00E+00	9.62E-03	9.42E-04
2331	420132.5	3740479	9.40E-03	0.00E+00	9.40E-03	9.20E-04
2332	420123	3740478	9.18E-03	0.00E+00	9.18E-03	8.99E-04
2333	420113.4	3740476	8.97E-03	0.00E+00	8.97E-03	8.78E-04
2334	420103.8	3740475	8.76E-03	0.00E+00	8.76E-03	8.57E-04
2335	420094.2	3740474	8.55E-03	0.00E+00	8.55E-03	8.38E-04
2336	420084.6	3740472	8.35E-03	0.00E+00	8.35E-03	8.18E-04
2337	420075	3740471	8.15E-03	0.00E+00	8.15E-03	7.98E-04
2338	420065.5	3740470	7.95E-03	0.00E+00	7.95E-03	7.79E-04
2339	420055.9	3740468	7.77E-03	0.00E+00	7.77E-03	7.60E-04
2340	420046.3	3740467	7.59E-03	0.00E+00	7.59E-03	7.43E-04
2341	420036.7	3740466	7.42E-03	0.00E+00	7.42E-03	7.27E-04
2342	420027.1	3740464	7.27E-03	0.00E+00	7.27E-03	7.12E-04
2343	420017.5	3740463	7.14E-03	0.00E+00	7.14E-03	6.99E-04

2344	420008	3740462	7.02E-03	0.00E+00	7.02E-03	6.87E-04
2345	419998.4	3740461	6.90E-03	0.00E+00	6.90E-03	6.76E-04
2346	419988.8	3740459	6.79E-03	0.00E+00	6.79E-03	6.64E-04
2347	419979.2	3740458	6.67E-03	0.00E+00	6.67E-03	6.53E-04
2348	419969.6	3740457	6.56E-03	0.00E+00	6.56E-03	6.42E-04
2349	419960	3740455	6.45E-03	0.00E+00	6.45E-03	6.32E-04
2350	419950.4	3740454	6.34E-03	0.00E+00	6.34E-03	6.21E-04
2351	419940.9	3740453	6.23E-03	0.00E+00	6.23E-03	6.10E-04
2352	419931.3	3740451	6.13E-03	0.00E+00	6.13E-03	6.01E-04
2353	419921.7	3740450	6.03E-03	0.00E+00	6.03E-03	5.91E-04
2354	419912.1	3740449	5.94E-03	0.00E+00	5.94E-03	5.81E-04
2355	419902.5	3740448	5.85E-03	0.00E+00	5.85E-03	5.73E-04
2356	419892.9	3740446	5.76E-03	0.00E+00	5.76E-03	5.64E-04
2357	419883.4	3740445	5.68E-03	0.00E+00	5.68E-03	5.56E-04
2358	419873.8	3740444	5.59E-03	0.00E+00	5.59E-03	5.48E-04
2359	419864.2	3740442	5.51E-03	0.00E+00	5.51E-03	5.39E-04
2360	419854.6	3740441	5.42E-03	0.00E+00	5.42E-03	5.31E-04
2361	419840.5	3740431	5.43E-03	0.00E+00	5.43E-03	5.32E-04
2362	419836.1	3740423	5.53E-03	0.00E+00	5.53E-03	5.41E-04
2363	419831.6	3740414	5.63E-03	0.00E+00	5.63E-03	5.51E-04
2364	419827.1	3740405	5.73E-03	0.00E+00	5.73E-03	5.61E-04
2365	419822.6	3740397	5.83E-03	0.00E+00	5.83E-03	5.71E-04
2366	419818.1	3740388	5.93E-03	0.00E+00	5.93E-03	5.81E-04
2367	419813.6	3740380	6.03E-03	0.00E+00	6.03E-03	5.91E-04
2368	419809.1	3740371	6.13E-03	0.00E+00	6.13E-03	6.01E-04
2369	419804.7	3740363	6.24E-03	0.00E+00	6.24E-03	6.11E-04
2370	419800.2	3740354	6.34E-03	0.00E+00	6.34E-03	6.20E-04
2371	419795.7	3740345	6.43E-03	0.00E+00	6.43E-03	6.29E-04
2372	419764.3	3740285	6.87E-03	0.00E+00	6.87E-03	6.73E-04
2373	419759.8	3740277	6.89E-03	0.00E+00	6.89E-03	6.74E-04
2374	419755.3	3740268	6.89E-03	0.00E+00	6.89E-03	6.75E-04
2375	419750.8	3740260	6.88E-03	0.00E+00	6.88E-03	6.74E-04
2376	419737.4	3740234	6.77E-03	0.00E+00	6.77E-03	6.63E-04
2377	419732.9	3740225	6.70E-03	0.00E+00	6.70E-03	6.56E-04
2378	419728.4	3740217	6.62E-03	0.00E+00	6.62E-03	6.48E-04
2379	419723.9	3740208	6.54E-03	0.00E+00	6.54E-03	6.40E-04
2380	419719.4	3740200	6.45E-03	0.00E+00	6.45E-03	6.31E-04
2381	419715	3740191	6.35E-03	0.00E+00	6.35E-03	6.22E-04
2382	419710.5	3740183	6.24E-03	0.00E+00	6.24E-03	6.11E-04
2383	419706	3740174	6.12E-03	0.00E+00	6.12E-03	5.99E-04
2384	419701.5	3740165	5.99E-03	0.00E+00	5.99E-03	5.87E-04
2385	419697	3740157	5.87E-03	0.00E+00	5.87E-03	5.74E-04
2386	419692.5	3740148	5.74E-03	0.00E+00	5.74E-03	5.62E-04
2387	419688.1	3740140	5.61E-03	0.00E+00	5.61E-03	5.49E-04
2388	419683.6	3740131	5.49E-03	0.00E+00	5.49E-03	5.37E-04
2389	420199.6	3740488	1.10E-02	0.00E+00	1.10E-02	1.08E-03
2390	420209	3740485	1.15E-02	0.00E+00	1.15E-02	1.12E-03

2391	420246.4	3740471	1.33E-02	0.00E+00	1.33E-02	1.30E-03
2392	420255.7	3740468	1.37E-02	0.00E+00	1.37E-02	1.35E-03
2393	420265.1	3740465	1.42E-02	0.00E+00	1.42E-02	1.39E-03
2394	420274.4	3740461	1.46E-02	0.00E+00	1.46E-02	1.43E-03
2395	420283.8	3740458	1.50E-02	0.00E+00	1.50E-02	1.47E-03
2396	420293.1	3740455	1.54E-02	0.00E+00	1.54E-02	1.51E-03
2397	420302.5	3740451	1.57E-02	0.00E+00	1.57E-02	1.54E-03
2398	420311.8	3740448	1.61E-02	0.00E+00	1.61E-02	1.57E-03
2399	420321.2	3740445	1.63E-02	0.00E+00	1.63E-02	1.60E-03
2400	420330.5	3740441	1.66E-02	0.00E+00	1.66E-02	1.63E-03
2401	420339.9	3740438	1.68E-02	0.00E+00	1.68E-02	1.65E-03
2402	420199.9	3740515	9.77E-03	0.00E+00	9.77E-03	9.56E-04
2403	420190.1	3740514	9.57E-03	0.00E+00	9.57E-03	9.37E-04
2404	420180.3	3740512	9.38E-03	0.00E+00	9.38E-03	9.18E-04
2405	420170.5	3740511	9.17E-03	0.00E+00	9.17E-03	8.98E-04
2406	420160.7	3740510	8.97E-03	0.00E+00	8.97E-03	8.78E-04
2407	420150.9	3740508	8.76E-03	0.00E+00	8.76E-03	8.58E-04
2408	420141.1	3740507	8.57E-03	0.00E+00	8.57E-03	8.39E-04
2409	420131.3	3740506	8.37E-03	0.00E+00	8.37E-03	8.20E-04
2410	420121.5	3740504	8.18E-03	0.00E+00	8.18E-03	8.01E-04
2411	420111.8	3740503	7.99E-03	0.00E+00	7.99E-03	7.83E-04
2412	420102	3740502	7.81E-03	0.00E+00	7.81E-03	7.65E-04
2413	420092.2	3740500	7.64E-03	0.00E+00	7.64E-03	7.48E-04
2414	420082.4	3740499	7.47E-03	0.00E+00	7.47E-03	7.32E-04
2415	420072.6	3740498	7.31E-03	0.00E+00	7.31E-03	7.16E-04
2416	420062.8	3740496	7.14E-03	0.00E+00	7.14E-03	7.00E-04
2417	420053	3740495	6.99E-03	0.00E+00	6.99E-03	6.84E-04
2418	420043.2	3740494	6.84E-03	0.00E+00	6.84E-03	6.70E-04
2419	420033.4	3740492	6.70E-03	0.00E+00	6.70E-03	6.56E-04
2420	420023.6	3740491	6.57E-03	0.00E+00	6.57E-03	6.43E-04
2421	420013.8	3740490	6.45E-03	0.00E+00	6.45E-03	6.32E-04
2422	420004	3740488	6.34E-03	0.00E+00	6.34E-03	6.21E-04
2423	419994.3	3740487	6.23E-03	0.00E+00	6.23E-03	6.10E-04
2424	419984.5	3740486	6.13E-03	0.00E+00	6.13E-03	6.00E-04
2425	419974.7	3740484	6.03E-03	0.00E+00	6.03E-03	5.90E-04
2426	419964.9	3740483	5.93E-03	0.00E+00	5.93E-03	5.81E-04
2427	419955.1	3740482	5.83E-03	0.00E+00	5.83E-03	5.71E-04
2428	419945.3	3740480	5.74E-03	0.00E+00	5.74E-03	5.62E-04
2429	419935.5	3740479	5.65E-03	0.00E+00	5.65E-03	5.53E-04
2430	419925.7	3740478	5.56E-03	0.00E+00	5.56E-03	5.44E-04
2431	419915.9	3740476	5.47E-03	0.00E+00	5.47E-03	5.36E-04
2432	419906.1	3740475	5.39E-03	0.00E+00	5.39E-03	5.28E-04
2433	419896.3	3740474	5.32E-03	0.00E+00	5.32E-03	5.20E-04
2434	419886.5	3740472	5.24E-03	0.00E+00	5.24E-03	5.13E-04
2435	419876.7	3740471	5.17E-03	0.00E+00	5.17E-03	5.06E-04
2436	419867	3740470	5.09E-03	0.00E+00	5.09E-03	4.99E-04
2437	419857.2	3740468	5.02E-03	0.00E+00	5.02E-03	4.92E-04

2438	419847.4	3740467	4.95E-03	0.00E+00	4.95E-03	4.85E-04
2439	419837.6	3740466	4.88E-03	0.00E+00	4.88E-03	4.78E-04
2440	419823.2	3740455	4.89E-03	0.00E+00	4.89E-03	4.79E-04
2441	419818.6	3740447	4.97E-03	0.00E+00	4.97E-03	4.87E-04
2442	419814	3740438	5.05E-03	0.00E+00	5.05E-03	4.94E-04
2443	419809.5	3740429	5.13E-03	0.00E+00	5.13E-03	5.02E-04
2444	419804.9	3740420	5.22E-03	0.00E+00	5.22E-03	5.11E-04
2445	419800.3	3740412	5.31E-03	0.00E+00	5.31E-03	5.20E-04
2446	419795.7	3740403	5.40E-03	0.00E+00	5.40E-03	5.29E-04
2447	419768.2	3740350	5.90E-03	0.00E+00	5.90E-03	5.78E-04
2448	419763.6	3740342	5.97E-03	0.00E+00	5.97E-03	5.84E-04
2449	419759.1	3740333	6.03E-03	0.00E+00	6.03E-03	5.90E-04
2450	419754.5	3740324	6.09E-03	0.00E+00	6.09E-03	5.96E-04
2451	419749.9	3740315	6.13E-03	0.00E+00	6.13E-03	6.00E-04
2452	419745.3	3740307	6.17E-03	0.00E+00	6.17E-03	6.04E-04
2453	419740.7	3740298	6.19E-03	0.00E+00	6.19E-03	6.07E-04
2454	419736.1	3740289	6.21E-03	0.00E+00	6.21E-03	6.08E-04
2455	419731.6	3740280	6.21E-03	0.00E+00	6.21E-03	6.08E-04
2456	419727	3740272	6.20E-03	0.00E+00	6.20E-03	6.08E-04
2457	419708.7	3740237	6.06E-03	0.00E+00	6.06E-03	5.93E-04
2458	419704.1	3740228	5.99E-03	0.00E+00	5.99E-03	5.86E-04
2459	419699.5	3740219	5.91E-03	0.00E+00	5.91E-03	5.79E-04
2460	419694.9	3740210	5.84E-03	0.00E+00	5.84E-03	5.71E-04
2461	419690.3	3740202	5.75E-03	0.00E+00	5.75E-03	5.63E-04
2462	419685.7	3740193	5.66E-03	0.00E+00	5.66E-03	5.54E-04
2463	419681.2	3740184	5.56E-03	0.00E+00	5.56E-03	5.44E-04
2464	419676.6	3740175	5.45E-03	0.00E+00	5.45E-03	5.34E-04
2465	419672	3740167	5.34E-03	0.00E+00	5.34E-03	5.22E-04
2466	419667.4	3740158	5.22E-03	0.00E+00	5.22E-03	5.11E-04
2467	419662.8	3740149	5.11E-03	0.00E+00	5.11E-03	5.01E-04
2468	419658.2	3740140	5.01E-03	0.00E+00	5.01E-03	4.90E-04
2469	419653.7	3740132	4.90E-03	0.00E+00	4.90E-03	4.80E-04
2470	420209.7	3740516	9.96E-03	0.00E+00	9.96E-03	9.75E-04
2471	420247.1	3740503	1.15E-02	0.00E+00	1.15E-02	1.13E-03
2472	420256.4	3740500	1.19E-02	0.00E+00	1.19E-02	1.16E-03
2473	420265.8	3740496	1.23E-02	0.00E+00	1.23E-02	1.20E-03
2474	420275.1	3740493	1.26E-02	0.00E+00	1.26E-02	1.24E-03
2475	420284.5	3740490	1.30E-02	0.00E+00	1.30E-02	1.27E-03
2476	420293.8	3740486	1.33E-02	0.00E+00	1.33E-02	1.30E-03
2477	420303.2	3740483	1.36E-02	0.00E+00	1.36E-02	1.34E-03
2478	420312.5	3740480	1.39E-02	0.00E+00	1.39E-02	1.37E-03
2479	420321.9	3740476	1.42E-02	0.00E+00	1.42E-02	1.39E-03
2480	420331.2	3740473	1.45E-02	0.00E+00	1.45E-02	1.42E-03
2481	420340.6	3740470	1.47E-02	0.00E+00	1.47E-02	1.44E-03
2482	420349.9	3740466	1.49E-02	0.00E+00	1.49E-02	1.46E-03
2483	420210	3740543	8.90E-03	0.00E+00	8.90E-03	8.71E-04
2484	420200.2	3740542	8.74E-03	0.00E+00	8.74E-03	8.56E-04

2485	420190.5	3740541	8.58E-03	0.00E+00	8.58E-03	8.40E-04
2486	420180.7	3740539	8.41E-03	0.00E+00	8.41E-03	8.23E-04
2487	420171	3740538	8.24E-03	0.00E+00	8.24E-03	8.07E-04
2488	420161.3	3740537	8.06E-03	0.00E+00	8.06E-03	7.90E-04
2489	420151.5	3740535	7.89E-03	0.00E+00	7.89E-03	7.73E-04
2490	420141.8	3740534	7.72E-03	0.00E+00	7.72E-03	7.56E-04
2491	420132	3740533	7.55E-03	0.00E+00	7.55E-03	7.39E-04
2492	420122.3	3740531	7.38E-03	0.00E+00	7.38E-03	7.23E-04
2493	420112.6	3740530	7.22E-03	0.00E+00	7.22E-03	7.07E-04
2494	420102.8	3740529	7.06E-03	0.00E+00	7.06E-03	6.92E-04
2495	420093.1	3740527	6.91E-03	0.00E+00	6.91E-03	6.77E-04
2496	420083.3	3740526	6.77E-03	0.00E+00	6.77E-03	6.63E-04
2497	420073.6	3740525	6.64E-03	0.00E+00	6.64E-03	6.50E-04
2498	420063.8	3740523	6.51E-03	0.00E+00	6.51E-03	6.37E-04
2499	420054.1	3740522	6.38E-03	0.00E+00	6.38E-03	6.24E-04
2500	420044.4	3740521	6.25E-03	0.00E+00	6.25E-03	6.12E-04
2501	420034.6	3740519	6.13E-03	0.00E+00	6.13E-03	6.01E-04
2502	420024.9	3740518	6.02E-03	0.00E+00	6.02E-03	5.90E-04
2503	420015.1	3740517	5.91E-03	0.00E+00	5.91E-03	5.79E-04
2504	420005.4	3740515	5.81E-03	0.00E+00	5.81E-03	5.69E-04
2505	419995.7	3740514	5.72E-03	0.00E+00	5.72E-03	5.60E-04
2506	419985.9	3740513	5.62E-03	0.00E+00	5.62E-03	5.50E-04
2507	419976.2	3740511	5.53E-03	0.00E+00	5.53E-03	5.42E-04
2508	419966.4	3740510	5.45E-03	0.00E+00	5.45E-03	5.33E-04
2509	419956.7	3740509	5.36E-03	0.00E+00	5.36E-03	5.25E-04
2510	419946.9	3740507	5.28E-03	0.00E+00	5.28E-03	5.17E-04
2511	419937.2	3740506	5.20E-03	0.00E+00	5.20E-03	5.09E-04
2512	419927.5	3740505	5.12E-03	0.00E+00	5.12E-03	5.02E-04
2513	419917.7	3740503	5.05E-03	0.00E+00	5.05E-03	4.94E-04
2514	419908	3740502	4.97E-03	0.00E+00	4.97E-03	4.87E-04
2515	419898.2	3740501	4.91E-03	0.00E+00	4.91E-03	4.81E-04
2516	419888.5	3740499	4.85E-03	0.00E+00	4.85E-03	4.75E-04
2517	419878.7	3740498	4.78E-03	0.00E+00	4.78E-03	4.68E-04
2518	419869	3740497	4.72E-03	0.00E+00	4.72E-03	4.62E-04
2519	419859.3	3740495	4.65E-03	0.00E+00	4.65E-03	4.56E-04
2520	419849.5	3740494	4.59E-03	0.00E+00	4.59E-03	4.49E-04
2521	419839.8	3740493	4.53E-03	0.00E+00	4.53E-03	4.43E-04
2522	419830	3740491	4.46E-03	0.00E+00	4.46E-03	4.37E-04
2523	419820.3	3740490	4.40E-03	0.00E+00	4.40E-03	4.31E-04
2524	419806	3740480	4.41E-03	0.00E+00	4.41E-03	4.32E-04
2525	419801.4	3740471	4.49E-03	0.00E+00	4.49E-03	4.39E-04
2526	419796.9	3740463	4.56E-03	0.00E+00	4.56E-03	4.47E-04
2527	419765	3740402	5.09E-03	0.00E+00	5.09E-03	4.99E-04
2528	419760.4	3740393	5.17E-03	0.00E+00	5.17E-03	5.06E-04
2529	419755.8	3740384	5.24E-03	0.00E+00	5.24E-03	5.13E-04
2530	419751.3	3740376	5.31E-03	0.00E+00	5.31E-03	5.20E-04
2531	419746.7	3740367	5.37E-03	0.00E+00	5.37E-03	5.26E-04

2532	419742.2	3740358	5.43E-03	0.00E+00	5.43E-03	5.31E-04
2533	419737.6	3740349	5.48E-03	0.00E+00	5.48E-03	5.36E-04
2534	419733.1	3740341	5.52E-03	0.00E+00	5.52E-03	5.41E-04
2535	419728.5	3740332	5.56E-03	0.00E+00	5.56E-03	5.45E-04
2536	419723.9	3740323	5.59E-03	0.00E+00	5.59E-03	5.48E-04
2537	419719.4	3740315	5.62E-03	0.00E+00	5.62E-03	5.50E-04
2538	419714.8	3740306	5.63E-03	0.00E+00	5.63E-03	5.51E-04
2539	419710.3	3740297	5.64E-03	0.00E+00	5.64E-03	5.52E-04
2540	419705.7	3740288	5.63E-03	0.00E+00	5.63E-03	5.51E-04
2541	419701.1	3740280	5.61E-03	0.00E+00	5.61E-03	5.50E-04
2542	419682.9	3740245	5.48E-03	0.00E+00	5.48E-03	5.37E-04
2543	419678.3	3740236	5.43E-03	0.00E+00	5.43E-03	5.31E-04
2544	419673.8	3740227	5.37E-03	0.00E+00	5.37E-03	5.26E-04
2545	419669.2	3740219	5.30E-03	0.00E+00	5.30E-03	5.19E-04
2546	419664.7	3740210	5.22E-03	0.00E+00	5.22E-03	5.11E-04
2547	419660.1	3740201	5.14E-03	0.00E+00	5.14E-03	5.03E-04
2548	419655.6	3740193	5.05E-03	0.00E+00	5.05E-03	4.95E-04
2549	419651	3740184	4.96E-03	0.00E+00	4.96E-03	4.86E-04
2550	419646.4	3740175	4.86E-03	0.00E+00	4.86E-03	4.76E-04
2551	419641.9	3740167	4.76E-03	0.00E+00	4.76E-03	4.67E-04
2552	419637.3	3740158	4.67E-03	0.00E+00	4.67E-03	4.57E-04
2553	419632.8	3740149	4.58E-03	0.00E+00	4.58E-03	4.48E-04
2554	419628.2	3740140	4.49E-03	0.00E+00	4.49E-03	4.39E-04
2555	419623.6	3740132	4.40E-03	0.00E+00	4.40E-03	4.31E-04
2556	420247.8	3740535	1.00E-02	0.00E+00	1.00E-02	9.81E-04
2557	420257.1	3740531	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2558	420266.5	3740528	1.07E-02	0.00E+00	1.07E-02	1.04E-03
2559	420275.8	3740525	1.10E-02	0.00E+00	1.10E-02	1.08E-03
2560	420285.2	3740521	1.13E-02	0.00E+00	1.13E-02	1.11E-03
2561	420294.5	3740518	1.16E-02	0.00E+00	1.16E-02	1.14E-03
2562	420303.9	3740515	1.19E-02	0.00E+00	1.19E-02	1.17E-03
2563	420313.2	3740511	1.22E-02	0.00E+00	1.22E-02	1.19E-03
2564	420322.6	3740508	1.24E-02	0.00E+00	1.24E-02	1.22E-03
2565	420331.9	3740505	1.27E-02	0.00E+00	1.27E-02	1.24E-03
2566	420341.3	3740501	1.29E-02	0.00E+00	1.29E-02	1.26E-03
2567	420350.6	3740498	1.31E-02	0.00E+00	1.31E-02	1.28E-03
2568	420360	3740495	1.33E-02	0.00E+00	1.33E-02	1.30E-03
2569	420191	3740568	7.73E-03	0.00E+00	7.73E-03	7.57E-04
2570	420181.3	3740566	7.59E-03	0.00E+00	7.59E-03	7.43E-04
2571	420171.6	3740565	7.44E-03	0.00E+00	7.44E-03	7.28E-04
2572	420161.9	3740564	7.29E-03	0.00E+00	7.29E-03	7.14E-04
2573	420152.2	3740562	7.14E-03	0.00E+00	7.14E-03	6.99E-04
2574	420142.5	3740561	6.99E-03	0.00E+00	6.99E-03	6.85E-04
2575	420132.8	3740560	6.85E-03	0.00E+00	6.85E-03	6.70E-04
2576	420123.1	3740558	6.70E-03	0.00E+00	6.70E-03	6.56E-04
2577	420113.4	3740557	6.56E-03	0.00E+00	6.56E-03	6.43E-04
2578	420103.7	3740556	6.43E-03	0.00E+00	6.43E-03	6.29E-04

2579	420094	3740554	6.30E-03	0.00E+00	6.30E-03	6.17E-04
2580	420084.3	3740553	6.17E-03	0.00E+00	6.17E-03	6.04E-04
2581	420074.6	3740552	6.05E-03	0.00E+00	6.05E-03	5.93E-04
2582	420064.9	3740550	5.94E-03	0.00E+00	5.94E-03	5.81E-04
2583	420055.2	3740549	5.83E-03	0.00E+00	5.83E-03	5.70E-04
2584	420045.5	3740548	5.72E-03	0.00E+00	5.72E-03	5.60E-04
2585	420035.8	3740546	5.62E-03	0.00E+00	5.62E-03	5.50E-04
2586	420026.1	3740545	5.52E-03	0.00E+00	5.52E-03	5.41E-04
2587	420016.4	3740544	5.43E-03	0.00E+00	5.43E-03	5.32E-04
2588	420006.7	3740542	5.34E-03	0.00E+00	5.34E-03	5.23E-04
2589	419997	3740541	5.26E-03	0.00E+00	5.26E-03	5.15E-04
2590	419987.3	3740540	5.18E-03	0.00E+00	5.18E-03	5.07E-04
2591	419977.6	3740538	5.10E-03	0.00E+00	5.10E-03	4.99E-04
2592	419967.9	3740537	5.02E-03	0.00E+00	5.02E-03	4.92E-04
2593	419958.2	3740536	4.95E-03	0.00E+00	4.95E-03	4.85E-04
2594	419948.5	3740534	4.88E-03	0.00E+00	4.88E-03	4.78E-04
2595	419938.8	3740533	4.81E-03	0.00E+00	4.81E-03	4.71E-04
2596	419929.1	3740532	4.74E-03	0.00E+00	4.74E-03	4.64E-04
2597	419919.4	3740531	4.67E-03	0.00E+00	4.67E-03	4.57E-04
2598	419909.7	3740529	4.61E-03	0.00E+00	4.61E-03	4.51E-04
2599	419900	3740528	4.55E-03	0.00E+00	4.55E-03	4.45E-04
2600	419890.3	3740527	4.49E-03	0.00E+00	4.49E-03	4.40E-04
2601	419880.6	3740525	4.43E-03	0.00E+00	4.43E-03	4.34E-04
2602	419870.9	3740524	4.38E-03	0.00E+00	4.38E-03	4.29E-04
2603	419861.2	3740523	4.32E-03	0.00E+00	4.32E-03	4.23E-04
2604	419851.5	3740521	4.27E-03	0.00E+00	4.27E-03	4.18E-04
2605	419841.8	3740520	4.21E-03	0.00E+00	4.21E-03	4.12E-04
2606	419832.1	3740519	4.16E-03	0.00E+00	4.16E-03	4.07E-04
2607	419822.4	3740517	4.10E-03	0.00E+00	4.10E-03	4.02E-04
2608	419812.7	3740516	4.05E-03	0.00E+00	4.05E-03	3.97E-04
2609	419803	3740515	4.00E-03	0.00E+00	4.00E-03	3.92E-04
2610	419766.1	3740461	4.33E-03	0.00E+00	4.33E-03	4.24E-04
2611	419761.6	3740453	4.40E-03	0.00E+00	4.40E-03	4.31E-04
2612	419757	3740444	4.46E-03	0.00E+00	4.46E-03	4.37E-04
2613	419752.5	3740435	4.53E-03	0.00E+00	4.53E-03	4.44E-04
2614	419747.9	3740427	4.60E-03	0.00E+00	4.60E-03	4.50E-04
2615	419743.4	3740418	4.66E-03	0.00E+00	4.66E-03	4.57E-04
2616	419738.9	3740409	4.73E-03	0.00E+00	4.73E-03	4.63E-04
2617	419734.3	3740401	4.78E-03	0.00E+00	4.78E-03	4.69E-04
2618	419729.8	3740392	4.84E-03	0.00E+00	4.84E-03	4.74E-04
2619	419725.2	3740383	4.90E-03	0.00E+00	4.90E-03	4.80E-04
2620	419720.7	3740375	4.95E-03	0.00E+00	4.95E-03	4.85E-04
2621	419716.2	3740366	4.99E-03	0.00E+00	4.99E-03	4.89E-04
2622	419711.6	3740357	5.03E-03	0.00E+00	5.03E-03	4.93E-04
2623	419707.1	3740349	5.06E-03	0.00E+00	5.06E-03	4.96E-04
2624	419702.5	3740340	5.09E-03	0.00E+00	5.09E-03	4.99E-04
2625	419698	3740331	5.12E-03	0.00E+00	5.12E-03	5.01E-04

2626	419693.5	3740323	5.13E-03	0.00E+00	5.13E-03	5.03E-04
2627	419688.9	3740314	5.14E-03	0.00E+00	5.14E-03	5.04E-04
2628	419684.4	3740305	5.14E-03	0.00E+00	5.14E-03	5.04E-04
2629	419679.9	3740297	5.13E-03	0.00E+00	5.13E-03	5.03E-04
2630	419675.3	3740288	5.12E-03	0.00E+00	5.12E-03	5.01E-04
2631	419620.9	3740184	4.44E-03	0.00E+00	4.44E-03	4.35E-04
2632	419616.3	3740175	4.36E-03	0.00E+00	4.36E-03	4.27E-04
2633	419611.8	3740166	4.28E-03	0.00E+00	4.28E-03	4.19E-04
2634	419607.2	3740158	4.20E-03	0.00E+00	4.20E-03	4.11E-04
2635	419602.7	3740149	4.12E-03	0.00E+00	4.12E-03	4.03E-04
2636	419598.2	3740140	4.04E-03	0.00E+00	4.04E-03	3.96E-04
2637	419593.6	3740132	3.96E-03	0.00E+00	3.96E-03	3.88E-04
2638	420248.5	3740566	8.82E-03	0.00E+00	8.82E-03	8.64E-04
2639	420257.8	3740563	9.10E-03	0.00E+00	9.10E-03	8.91E-04
2640	420267.2	3740559	9.37E-03	0.00E+00	9.37E-03	9.18E-04
2641	420276.5	3740556	9.65E-03	0.00E+00	9.65E-03	9.45E-04
2642	420285.9	3740553	9.93E-03	0.00E+00	9.93E-03	9.72E-04
2643	420295.2	3740550	1.02E-02	0.00E+00	1.02E-02	9.99E-04
2644	420304.6	3740546	1.05E-02	0.00E+00	1.05E-02	1.02E-03
2645	420313.9	3740543	1.07E-02	0.00E+00	1.07E-02	1.05E-03
2646	420323.2	3740540	1.10E-02	0.00E+00	1.10E-02	1.07E-03
2647	420332.6	3740536	1.12E-02	0.00E+00	1.12E-02	1.09E-03
2648	420341.9	3740533	1.14E-02	0.00E+00	1.14E-02	1.11E-03
2649	420351.3	3740530	1.16E-02	0.00E+00	1.16E-02	1.13E-03
2650	420360.6	3740526	1.17E-02	0.00E+00	1.17E-02	1.15E-03
2651	420370	3740523	1.19E-02	0.00E+00	1.19E-02	1.17E-03
2652	420220.5	3740598	7.38E-03	0.00E+00	7.38E-03	7.23E-04
2653	420210.8	3740597	7.26E-03	0.00E+00	7.26E-03	7.11E-04
2654	420201.2	3740596	7.13E-03	0.00E+00	7.13E-03	6.99E-04
2655	419998.3	3740568	4.85E-03	0.00E+00	4.85E-03	4.75E-04
2656	419988.6	3740567	4.78E-03	0.00E+00	4.78E-03	4.68E-04
2657	419979	3740566	4.72E-03	0.00E+00	4.72E-03	4.62E-04
2658	419969.3	3740564	4.65E-03	0.00E+00	4.65E-03	4.55E-04
2659	419959.6	3740563	4.59E-03	0.00E+00	4.59E-03	4.49E-04
2660	419950	3740562	4.52E-03	0.00E+00	4.52E-03	4.43E-04
2661	419940.3	3740560	4.46E-03	0.00E+00	4.46E-03	4.37E-04
2662	419930.7	3740559	4.40E-03	0.00E+00	4.40E-03	4.31E-04
2663	419921	3740558	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2664	419911.3	3740556	4.28E-03	0.00E+00	4.28E-03	4.19E-04
2665	419901.7	3740555	4.23E-03	0.00E+00	4.23E-03	4.14E-04
2666	419892	3740554	4.18E-03	0.00E+00	4.18E-03	4.09E-04
2667	419882.4	3740552	4.13E-03	0.00E+00	4.13E-03	4.05E-04
2668	419872.7	3740551	4.08E-03	0.00E+00	4.08E-03	4.00E-04
2669	419863	3740550	4.03E-03	0.00E+00	4.03E-03	3.95E-04
2670	419853.4	3740548	3.98E-03	0.00E+00	3.98E-03	3.90E-04
2671	419843.7	3740547	3.93E-03	0.00E+00	3.93E-03	3.85E-04
2672	419834.1	3740546	3.88E-03	0.00E+00	3.88E-03	3.80E-04

2673	419824.4	3740544	3.82E-03	0.00E+00	3.82E-03	3.75E-04
2674	419814.7	3740543	3.78E-03	0.00E+00	3.78E-03	3.70E-04
2675	419805.1	3740542	3.74E-03	0.00E+00	3.74E-03	3.66E-04
2676	419795.4	3740541	3.70E-03	0.00E+00	3.70E-03	3.62E-04
2677	419767	3740521	3.72E-03	0.00E+00	3.72E-03	3.65E-04
2678	419762.5	3740512	3.78E-03	0.00E+00	3.78E-03	3.70E-04
2679	419758	3740503	3.83E-03	0.00E+00	3.83E-03	3.75E-04
2680	419753.5	3740495	3.89E-03	0.00E+00	3.89E-03	3.81E-04
2681	419749	3740486	3.95E-03	0.00E+00	3.95E-03	3.86E-04
2682	419744.4	3740477	4.00E-03	0.00E+00	4.00E-03	3.92E-04
2683	419739.9	3740469	4.06E-03	0.00E+00	4.06E-03	3.97E-04
2684	419735.4	3740460	4.12E-03	0.00E+00	4.12E-03	4.03E-04
2685	419730.9	3740452	4.17E-03	0.00E+00	4.17E-03	4.09E-04
2686	419726.4	3740443	4.23E-03	0.00E+00	4.23E-03	4.14E-04
2687	419721.8	3740434	4.29E-03	0.00E+00	4.29E-03	4.20E-04
2688	419717.3	3740426	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2689	419712.8	3740417	4.39E-03	0.00E+00	4.39E-03	4.30E-04
2690	419708.3	3740408	4.44E-03	0.00E+00	4.44E-03	4.35E-04
2691	419703.8	3740400	4.49E-03	0.00E+00	4.49E-03	4.40E-04
2692	419699.2	3740391	4.53E-03	0.00E+00	4.53E-03	4.44E-04
2693	419694.7	3740382	4.57E-03	0.00E+00	4.57E-03	4.48E-04
2694	419690.2	3740374	4.61E-03	0.00E+00	4.61E-03	4.51E-04
2695	419685.7	3740365	4.64E-03	0.00E+00	4.64E-03	4.55E-04
2696	419681.1	3740357	4.67E-03	0.00E+00	4.67E-03	4.57E-04
2697	419676.6	3740348	4.69E-03	0.00E+00	4.69E-03	4.60E-04
2698	419672.1	3740339	4.71E-03	0.00E+00	4.71E-03	4.61E-04
2699	419667.6	3740331	4.72E-03	0.00E+00	4.72E-03	4.62E-04
2700	419663.1	3740322	4.72E-03	0.00E+00	4.72E-03	4.62E-04
2701	419658.5	3740313	4.71E-03	0.00E+00	4.71E-03	4.62E-04
2702	419654	3740305	4.70E-03	0.00E+00	4.70E-03	4.60E-04
2703	419649.5	3740296	4.68E-03	0.00E+00	4.68E-03	4.59E-04
2704	419635.9	3740270	4.60E-03	0.00E+00	4.60E-03	4.50E-04
2705	419631.4	3740261	4.56E-03	0.00E+00	4.56E-03	4.47E-04
2706	419626.9	3740253	4.52E-03	0.00E+00	4.52E-03	4.42E-04
2707	419622.4	3740244	4.46E-03	0.00E+00	4.46E-03	4.37E-04
2708	419617.9	3740236	4.41E-03	0.00E+00	4.41E-03	4.31E-04
2709	419613.3	3740227	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2710	419608.8	3740218	4.27E-03	0.00E+00	4.27E-03	4.18E-04
2711	419604.3	3740210	4.21E-03	0.00E+00	4.21E-03	4.12E-04
2712	419599.8	3740201	4.14E-03	0.00E+00	4.14E-03	4.05E-04
2713	419595.2	3740192	4.07E-03	0.00E+00	4.07E-03	3.98E-04
2714	419563.6	3740132	3.59E-03	0.00E+00	3.59E-03	3.51E-04
2715	420249.1	3740598	7.85E-03	0.00E+00	7.85E-03	7.68E-04
2716	420258.5	3740594	8.08E-03	0.00E+00	8.08E-03	7.91E-04
2717	420323.9	3740571	9.70E-03	0.00E+00	9.70E-03	9.50E-04
2718	420333.3	3740568	9.91E-03	0.00E+00	9.91E-03	9.70E-04
2719	420342.6	3740565	1.01E-02	0.00E+00	1.01E-02	9.89E-04

2720	420352	3740561	1.03E-02	0.00E+00	1.03E-02	1.01E-03
2721	420361.3	3740558	1.05E-02	0.00E+00	1.05E-02	1.02E-03
2722	420370.7	3740555	1.06E-02	0.00E+00	1.06E-02	1.04E-03
2723	420380	3740551	1.08E-02	0.00E+00	1.08E-02	1.05E-03
2724	420220.4	3740625	6.71E-03	0.00E+00	6.71E-03	6.57E-04
2725	420210.6	3740624	6.60E-03	0.00E+00	6.60E-03	6.46E-04
2726	420200.7	3740623	6.48E-03	0.00E+00	6.48E-03	6.35E-04
2727	420190.9	3740621	6.37E-03	0.00E+00	6.37E-03	6.23E-04
2728	420181.1	3740620	6.25E-03	0.00E+00	6.25E-03	6.12E-04
2729	420171.3	3740619	6.13E-03	0.00E+00	6.13E-03	6.01E-04
2730	420161.5	3740617	6.02E-03	0.00E+00	6.02E-03	5.89E-04
2731	420151.6	3740616	5.91E-03	0.00E+00	5.91E-03	5.78E-04
2732	420141.8	3740615	5.80E-03	0.00E+00	5.80E-03	5.68E-04
2733	420132	3740613	5.69E-03	0.00E+00	5.69E-03	5.57E-04
2734	420122.2	3740612	5.59E-03	0.00E+00	5.59E-03	5.47E-04
2735	420112.4	3740611	5.48E-03	0.00E+00	5.48E-03	5.37E-04
2736	420102.5	3740609	5.38E-03	0.00E+00	5.38E-03	5.27E-04
2737	420092.7	3740608	5.28E-03	0.00E+00	5.28E-03	5.17E-04
2738	420082.9	3740607	5.18E-03	0.00E+00	5.18E-03	5.07E-04
2739	420073.1	3740605	5.09E-03	0.00E+00	5.09E-03	4.98E-04
2740	420063.3	3740604	5.00E-03	0.00E+00	5.00E-03	4.89E-04
2741	420053.4	3740603	4.91E-03	0.00E+00	4.91E-03	4.81E-04
2742	420043.6	3740601	4.82E-03	0.00E+00	4.82E-03	4.72E-04
2743	420033.8	3740600	4.74E-03	0.00E+00	4.74E-03	4.64E-04
2744	419808	3740569	3.50E-03	0.00E+00	3.50E-03	3.43E-04
2745	419798.1	3740568	3.47E-03	0.00E+00	3.47E-03	3.39E-04
2746	419768.7	3740564	3.37E-03	0.00E+00	3.37E-03	3.30E-04
2747	419754.3	3740554	3.38E-03	0.00E+00	3.38E-03	3.31E-04
2748	419749.7	3740545	3.43E-03	0.00E+00	3.43E-03	3.36E-04
2749	419745.1	3740536	3.47E-03	0.00E+00	3.47E-03	3.40E-04
2750	419740.5	3740527	3.52E-03	0.00E+00	3.52E-03	3.45E-04
2751	419735.9	3740519	3.57E-03	0.00E+00	3.57E-03	3.49E-04
2752	419731.3	3740510	3.62E-03	0.00E+00	3.62E-03	3.54E-04
2753	419726.7	3740501	3.67E-03	0.00E+00	3.67E-03	3.59E-04
2754	419722.1	3740492	3.72E-03	0.00E+00	3.72E-03	3.64E-04
2755	419717.5	3740483	3.77E-03	0.00E+00	3.77E-03	3.69E-04
2756	419712.9	3740475	3.82E-03	0.00E+00	3.82E-03	3.74E-04
2757	419708.3	3740466	3.87E-03	0.00E+00	3.87E-03	3.79E-04
2758	419703.7	3740457	3.92E-03	0.00E+00	3.92E-03	3.84E-04
2759	419699.1	3740448	3.97E-03	0.00E+00	3.97E-03	3.88E-04
2760	419694.5	3740440	4.01E-03	0.00E+00	4.01E-03	3.93E-04
2761	419689.9	3740431	4.06E-03	0.00E+00	4.06E-03	3.97E-04
2762	419685.3	3740422	4.10E-03	0.00E+00	4.10E-03	4.02E-04
2763	419680.7	3740413	4.15E-03	0.00E+00	4.15E-03	4.06E-04
2764	419676.1	3740404	4.19E-03	0.00E+00	4.19E-03	4.10E-04
2765	419671.5	3740396	4.23E-03	0.00E+00	4.23E-03	4.14E-04
2766	419666.9	3740387	4.26E-03	0.00E+00	4.26E-03	4.17E-04

2767	419662.3	3740378	4.29E-03	0.00E+00	4.29E-03	4.20E-04
2768	419657.8	3740369	4.31E-03	0.00E+00	4.31E-03	4.22E-04
2769	419653.2	3740361	4.33E-03	0.00E+00	4.33E-03	4.24E-04
2770	419648.6	3740352	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2771	419644	3740343	4.35E-03	0.00E+00	4.35E-03	4.26E-04
2772	419639.4	3740334	4.35E-03	0.00E+00	4.35E-03	4.26E-04
2773	419634.8	3740325	4.35E-03	0.00E+00	4.35E-03	4.26E-04
2774	419630.2	3740317	4.34E-03	0.00E+00	4.34E-03	4.25E-04
2775	419625.6	3740308	4.32E-03	0.00E+00	4.32E-03	4.23E-04
2776	419621	3740299	4.30E-03	0.00E+00	4.30E-03	4.21E-04
2777	419607.2	3740273	4.21E-03	0.00E+00	4.21E-03	4.12E-04
2778	419602.6	3740264	4.17E-03	0.00E+00	4.17E-03	4.08E-04
2779	419598	3740255	4.12E-03	0.00E+00	4.12E-03	4.03E-04
2780	419593.4	3740246	4.07E-03	0.00E+00	4.07E-03	3.98E-04
2781	419588.8	3740238	4.01E-03	0.00E+00	4.01E-03	3.93E-04
2782	419584.2	3740229	3.95E-03	0.00E+00	3.95E-03	3.86E-04
2783	419579.6	3740220	3.88E-03	0.00E+00	3.88E-03	3.80E-04
2784	419575	3740211	3.82E-03	0.00E+00	3.82E-03	3.74E-04
2785	419570.4	3740202	3.76E-03	0.00E+00	3.76E-03	3.68E-04
2786	419565.8	3740194	3.70E-03	0.00E+00	3.70E-03	3.62E-04
2787	419561.3	3740185	3.64E-03	0.00E+00	3.64E-03	3.56E-04
2788	419556.7	3740176	3.58E-03	0.00E+00	3.58E-03	3.50E-04
2789	419552.1	3740167	3.51E-03	0.00E+00	3.51E-03	3.44E-04
2790	419547.5	3740159	3.45E-03	0.00E+00	3.45E-03	3.38E-04
2791	419542.9	3740150	3.39E-03	0.00E+00	3.39E-03	3.32E-04
2792	420249.8	3740629	7.02E-03	0.00E+00	7.02E-03	6.87E-04
2793	420259.2	3740626	7.23E-03	0.00E+00	7.23E-03	7.08E-04
2794	420268.5	3740623	7.43E-03	0.00E+00	7.43E-03	7.28E-04
2795	420277.9	3740619	7.64E-03	0.00E+00	7.64E-03	7.48E-04
2796	420287.2	3740616	7.84E-03	0.00E+00	7.84E-03	7.68E-04
2797	420296.6	3740613	8.04E-03	0.00E+00	8.04E-03	7.88E-04
2798	420305.9	3740609	8.25E-03	0.00E+00	8.25E-03	8.07E-04
2799	420315.3	3740606	8.45E-03	0.00E+00	8.45E-03	8.27E-04
2800	420324.6	3740603	8.65E-03	0.00E+00	8.65E-03	8.47E-04
2801	420334	3740599	8.84E-03	0.00E+00	8.84E-03	8.65E-04
2802	420343.3	3740596	9.02E-03	0.00E+00	9.02E-03	8.83E-04
2803	420250.1	3740656	6.41E-03	0.00E+00	6.41E-03	6.28E-04
2804	420220.8	3740652	6.13E-03	0.00E+00	6.13E-03	6.00E-04
2805	420211	3740651	6.03E-03	0.00E+00	6.03E-03	5.91E-04
2806	420201.2	3740650	5.93E-03	0.00E+00	5.93E-03	5.81E-04
2807	420191.4	3740648	5.83E-03	0.00E+00	5.83E-03	5.71E-04
2808	420181.7	3740647	5.72E-03	0.00E+00	5.72E-03	5.61E-04
2809	420171.9	3740646	5.62E-03	0.00E+00	5.62E-03	5.51E-04
2810	420162.1	3740644	5.52E-03	0.00E+00	5.52E-03	5.41E-04
2811	420152.3	3740643	5.43E-03	0.00E+00	5.43E-03	5.31E-04
2812	420142.5	3740642	5.33E-03	0.00E+00	5.33E-03	5.22E-04
2813	420132.8	3740640	5.24E-03	0.00E+00	5.24E-03	5.13E-04

2814	420123	3740639	5.15E-03	0.00E+00	5.15E-03	5.04E-04
2815	420113.2	3740638	5.05E-03	0.00E+00	5.05E-03	4.95E-04
2816	420103.4	3740636	4.96E-03	0.00E+00	4.96E-03	4.86E-04
2817	420093.6	3740635	4.88E-03	0.00E+00	4.88E-03	4.78E-04
2818	420083.9	3740634	4.79E-03	0.00E+00	4.79E-03	4.69E-04
2819	420074.1	3740632	4.71E-03	0.00E+00	4.71E-03	4.61E-04
2820	420064.3	3740631	4.63E-03	0.00E+00	4.63E-03	4.53E-04
2821	420054.5	3740630	4.55E-03	0.00E+00	4.55E-03	4.46E-04
2822	420044.8	3740628	4.47E-03	0.00E+00	4.47E-03	4.38E-04
2823	420035	3740627	4.40E-03	0.00E+00	4.40E-03	4.31E-04
2824	420025.2	3740626	4.33E-03	0.00E+00	4.33E-03	4.24E-04
2825	420015.4	3740624	4.27E-03	0.00E+00	4.27E-03	4.18E-04
2826	420005.6	3740623	4.21E-03	0.00E+00	4.21E-03	4.12E-04
2827	419995.9	3740622	4.15E-03	0.00E+00	4.15E-03	4.06E-04
2828	419986.1	3740620	4.10E-03	0.00E+00	4.10E-03	4.01E-04
2829	419976.3	3740619	4.05E-03	0.00E+00	4.05E-03	3.96E-04
2830	419966.5	3740618	3.99E-03	0.00E+00	3.99E-03	3.91E-04
2831	419956.7	3740616	3.94E-03	0.00E+00	3.94E-03	3.86E-04
2832	419947	3740615	3.89E-03	0.00E+00	3.89E-03	3.81E-04
2833	419937.2	3740614	3.84E-03	0.00E+00	3.84E-03	3.76E-04
2834	419927.4	3740612	3.80E-03	0.00E+00	3.80E-03	3.72E-04
2835	419917.6	3740611	3.75E-03	0.00E+00	3.75E-03	3.67E-04
2836	419907.9	3740610	3.71E-03	0.00E+00	3.71E-03	3.63E-04
2837	419898.1	3740608	3.67E-03	0.00E+00	3.67E-03	3.59E-04
2838	419888.3	3740607	3.62E-03	0.00E+00	3.62E-03	3.55E-04
2839	419878.5	3740606	3.58E-03	0.00E+00	3.58E-03	3.51E-04
2840	419868.7	3740604	3.54E-03	0.00E+00	3.54E-03	3.47E-04
2841	419732.5	3740570	3.16E-03	0.00E+00	3.16E-03	3.10E-04
2842	419727.9	3740561	3.21E-03	0.00E+00	3.21E-03	3.14E-04
2843	419723.3	3740552	3.25E-03	0.00E+00	3.25E-03	3.18E-04
2844	419718.7	3740543	3.29E-03	0.00E+00	3.29E-03	3.22E-04
2845	419714.2	3740535	3.33E-03	0.00E+00	3.33E-03	3.26E-04
2846	419709.6	3740526	3.37E-03	0.00E+00	3.37E-03	3.30E-04
2847	419705	3740517	3.41E-03	0.00E+00	3.41E-03	3.34E-04
2848	419700.4	3740508	3.46E-03	0.00E+00	3.46E-03	3.39E-04
2849	419695.9	3740500	3.50E-03	0.00E+00	3.50E-03	3.43E-04
2850	419691.3	3740491	3.54E-03	0.00E+00	3.54E-03	3.47E-04
2851	419686.7	3740482	3.59E-03	0.00E+00	3.59E-03	3.51E-04
2852	419682.1	3740473	3.63E-03	0.00E+00	3.63E-03	3.55E-04
2853	419677.6	3740465	3.67E-03	0.00E+00	3.67E-03	3.59E-04
2854	419673	3740456	3.71E-03	0.00E+00	3.71E-03	3.63E-04
2855	419668.4	3740447	3.75E-03	0.00E+00	3.75E-03	3.67E-04
2856	419663.8	3740438	3.79E-03	0.00E+00	3.79E-03	3.71E-04
2857	419659.2	3740430	3.83E-03	0.00E+00	3.83E-03	3.75E-04
2858	419654.7	3740421	3.87E-03	0.00E+00	3.87E-03	3.79E-04
2859	419650.1	3740412	3.90E-03	0.00E+00	3.90E-03	3.82E-04
2860	419645.5	3740403	3.94E-03	0.00E+00	3.94E-03	3.85E-04

2861	419640.9	3740395	3.96E-03	0.00E+00	3.96E-03	3.88E-04
2862	419636.4	3740386	3.98E-03	0.00E+00	3.98E-03	3.90E-04
2863	419631.8	3740377	4.00E-03	0.00E+00	4.00E-03	3.92E-04
2864	419627.2	3740368	4.01E-03	0.00E+00	4.01E-03	3.93E-04
2865	419622.6	3740360	4.02E-03	0.00E+00	4.02E-03	3.94E-04
2866	419618.1	3740351	4.02E-03	0.00E+00	4.02E-03	3.94E-04
2867	419613.5	3740342	4.02E-03	0.00E+00	4.02E-03	3.94E-04
2868	419608.9	3740333	4.01E-03	0.00E+00	4.01E-03	3.93E-04
2869	419604.3	3740325	4.01E-03	0.00E+00	4.01E-03	3.92E-04
2870	419599.8	3740316	3.99E-03	0.00E+00	3.99E-03	3.91E-04
2871	419595.2	3740307	3.98E-03	0.00E+00	3.98E-03	3.89E-04
2872	419586	3740290	3.93E-03	0.00E+00	3.93E-03	3.84E-04
2873	419581.5	3740281	3.89E-03	0.00E+00	3.89E-03	3.81E-04
2874	419576.9	3740272	3.86E-03	0.00E+00	3.86E-03	3.78E-04
2875	419572.3	3740264	3.81E-03	0.00E+00	3.81E-03	3.73E-04
2876	419567.7	3740255	3.76E-03	0.00E+00	3.76E-03	3.68E-04
2877	419563.1	3740246	3.71E-03	0.00E+00	3.71E-03	3.63E-04
2878	419558.6	3740237	3.65E-03	0.00E+00	3.65E-03	3.57E-04
2879	419554	3740229	3.59E-03	0.00E+00	3.59E-03	3.51E-04
2880	419549.4	3740220	3.53E-03	0.00E+00	3.53E-03	3.45E-04
2881	419544.8	3740211	3.48E-03	0.00E+00	3.48E-03	3.41E-04
2882	419540.3	3740202	3.43E-03	0.00E+00	3.43E-03	3.36E-04
2883	419535.7	3740194	3.38E-03	0.00E+00	3.38E-03	3.31E-04
2884	419531.1	3740185	3.33E-03	0.00E+00	3.33E-03	3.26E-04
2885	419526.5	3740176	3.27E-03	0.00E+00	3.27E-03	3.20E-04
2886	419522	3740167	3.22E-03	0.00E+00	3.22E-03	3.15E-04
2887	419517.4	3740159	3.16E-03	0.00E+00	3.16E-03	3.10E-04
2888	419512.8	3740150	3.11E-03	0.00E+00	3.11E-03	3.04E-04
2889	419508.2	3740141	3.05E-03	0.00E+00	3.05E-03	2.99E-04
2890	419503.7	3740132	3.00E-03	0.00E+00	3.00E-03	2.93E-04
2891	420259.9	3740658	6.50E-03	0.00E+00	6.50E-03	6.36E-04
2892	420269.2	3740654	6.68E-03	0.00E+00	6.68E-03	6.54E-04
2893	420278.6	3740651	6.86E-03	0.00E+00	6.86E-03	6.72E-04
2894	420287.9	3740648	7.04E-03	0.00E+00	7.04E-03	6.89E-04
2895	420297.3	3740644	7.22E-03	0.00E+00	7.22E-03	7.07E-04
2896	420306.6	3740641	7.40E-03	0.00E+00	7.40E-03	7.25E-04
2897	420316	3740638	7.58E-03	0.00E+00	7.58E-03	7.42E-04
2898	420325.3	3740634	7.75E-03	0.00E+00	7.75E-03	7.59E-04
2899	420334.7	3740631	7.92E-03	0.00E+00	7.92E-03	7.76E-04
2900	420344	3740628	8.09E-03	0.00E+00	8.09E-03	7.92E-04
2901	420353.4	3740624	8.25E-03	0.00E+00	8.25E-03	8.07E-04
2902	420362.7	3740621	8.40E-03	0.00E+00	8.40E-03	8.22E-04
2903	420372.1	3740618	8.54E-03	0.00E+00	8.54E-03	8.36E-04
2904	420381.4	3740614	8.67E-03	0.00E+00	8.67E-03	8.49E-04
2905	420390.8	3740611	8.80E-03	0.00E+00	8.80E-03	8.62E-04
2906	420400.1	3740608	8.91E-03	0.00E+00	8.91E-03	8.73E-04
2907	420260.2	3740685	5.96E-03	0.00E+00	5.96E-03	5.84E-04

2908	420250.4	3740683	5.88E-03	0.00E+00	5.88E-03	5.76E-04
2909	420221.2	3740679	5.63E-03	0.00E+00	5.63E-03	5.51E-04
2910	420211.5	3740678	5.54E-03	0.00E+00	5.54E-03	5.43E-04
2911	420201.7	3740677	5.45E-03	0.00E+00	5.45E-03	5.34E-04
2912	420192	3740675	5.36E-03	0.00E+00	5.36E-03	5.25E-04
2913	420182.2	3740674	5.27E-03	0.00E+00	5.27E-03	5.16E-04
2914	420172.5	3740673	5.18E-03	0.00E+00	5.18E-03	5.07E-04
2915	420162.8	3740671	5.09E-03	0.00E+00	5.09E-03	4.99E-04
2916	420153	3740670	5.01E-03	0.00E+00	5.01E-03	4.90E-04
2917	420143.3	3740669	4.92E-03	0.00E+00	4.92E-03	4.82E-04
2918	420133.5	3740667	4.84E-03	0.00E+00	4.84E-03	4.74E-04
2919	420123.8	3740666	4.76E-03	0.00E+00	4.76E-03	4.66E-04
2920	420114.1	3740665	4.67E-03	0.00E+00	4.67E-03	4.58E-04
2921	420104.3	3740663	4.60E-03	0.00E+00	4.60E-03	4.50E-04
2922	420094.6	3740662	4.52E-03	0.00E+00	4.52E-03	4.42E-04
2923	420084.8	3740661	4.44E-03	0.00E+00	4.44E-03	4.35E-04
2924	420075.1	3740659	4.37E-03	0.00E+00	4.37E-03	4.28E-04
2925	420065.3	3740658	4.30E-03	0.00E+00	4.30E-03	4.21E-04
2926	420055.6	3740657	4.23E-03	0.00E+00	4.23E-03	4.14E-04
2927	420045.9	3740655	4.16E-03	0.00E+00	4.16E-03	4.08E-04
2928	420036.1	3740654	4.10E-03	0.00E+00	4.10E-03	4.01E-04
2929	420026.4	3740653	4.03E-03	0.00E+00	4.03E-03	3.95E-04
2930	420016.6	3740651	3.98E-03	0.00E+00	3.98E-03	3.89E-04
2931	420006.9	3740650	3.92E-03	0.00E+00	3.92E-03	3.84E-04
2932	419997.2	3740649	3.87E-03	0.00E+00	3.87E-03	3.79E-04
2933	419987.4	3740647	3.83E-03	0.00E+00	3.83E-03	3.75E-04
2934	419977.7	3740646	3.78E-03	0.00E+00	3.78E-03	3.70E-04
2935	419967.9	3740645	3.73E-03	0.00E+00	3.73E-03	3.65E-04
2936	419958.2	3740643	3.68E-03	0.00E+00	3.68E-03	3.61E-04
2937	419948.4	3740642	3.64E-03	0.00E+00	3.64E-03	3.56E-04
2938	419938.7	3740641	3.60E-03	0.00E+00	3.60E-03	3.52E-04
2939	419929	3740639	3.55E-03	0.00E+00	3.55E-03	3.48E-04
2940	419919.2	3740638	3.52E-03	0.00E+00	3.52E-03	3.44E-04
2941	419909.5	3740637	3.48E-03	0.00E+00	3.48E-03	3.40E-04
2942	419899.7	3740635	3.44E-03	0.00E+00	3.44E-03	3.37E-04
2943	419890	3740634	3.40E-03	0.00E+00	3.40E-03	3.33E-04
2944	419880.3	3740633	3.36E-03	0.00E+00	3.36E-03	3.29E-04
2945	419870.5	3740631	3.32E-03	0.00E+00	3.32E-03	3.26E-04
2946	419860.8	3740630	3.29E-03	0.00E+00	3.29E-03	3.22E-04
2947	419851	3740629	3.25E-03	0.00E+00	3.25E-03	3.18E-04
2948	419841.3	3740627	3.21E-03	0.00E+00	3.21E-03	3.14E-04
2949	419831.5	3740626	3.17E-03	0.00E+00	3.17E-03	3.10E-04
2950	419821.8	3740625	3.13E-03	0.00E+00	3.13E-03	3.06E-04
2951	419812.1	3740624	3.10E-03	0.00E+00	3.10E-03	3.03E-04
2952	419802.3	3740622	3.07E-03	0.00E+00	3.07E-03	3.01E-04
2953	419753.6	3740616	2.94E-03	0.00E+00	2.94E-03	2.87E-04
2954	419743.9	3740614	2.91E-03	0.00E+00	2.91E-03	2.85E-04

2955	419734.1	3740613	2.88E-03	0.00E+00	2.88E-03	2.82E-04
2956	419719.8	3740603	2.89E-03	0.00E+00	2.89E-03	2.83E-04
2957	419701.6	3740568	3.04E-03	0.00E+00	3.04E-03	2.98E-04
2958	419697	3740559	3.08E-03	0.00E+00	3.08E-03	3.02E-04
2959	419692.5	3740551	3.12E-03	0.00E+00	3.12E-03	3.05E-04
2960	419687.9	3740542	3.16E-03	0.00E+00	3.16E-03	3.09E-04
2961	419683.4	3740533	3.19E-03	0.00E+00	3.19E-03	3.13E-04
2962	419678.8	3740524	3.23E-03	0.00E+00	3.23E-03	3.16E-04
2963	419674.2	3740516	3.26E-03	0.00E+00	3.26E-03	3.20E-04
2964	419669.7	3740507	3.30E-03	0.00E+00	3.30E-03	3.23E-04
2965	419665.1	3740498	3.34E-03	0.00E+00	3.34E-03	3.27E-04
2966	419660.6	3740490	3.37E-03	0.00E+00	3.37E-03	3.30E-04
2967	419656	3740481	3.41E-03	0.00E+00	3.41E-03	3.34E-04
2968	419651.4	3740472	3.45E-03	0.00E+00	3.45E-03	3.38E-04
2969	419646.9	3740463	3.49E-03	0.00E+00	3.49E-03	3.41E-04
2970	419642.3	3740455	3.52E-03	0.00E+00	3.52E-03	3.45E-04
2971	419637.8	3740446	3.55E-03	0.00E+00	3.55E-03	3.48E-04
2972	419633.2	3740437	3.59E-03	0.00E+00	3.59E-03	3.51E-04
2973	419628.6	3740429	3.62E-03	0.00E+00	3.62E-03	3.54E-04
2974	419624.1	3740420	3.64E-03	0.00E+00	3.64E-03	3.57E-04
2975	419619.5	3740411	3.67E-03	0.00E+00	3.67E-03	3.59E-04
2976	419615	3740403	3.69E-03	0.00E+00	3.69E-03	3.61E-04
2977	419610.4	3740394	3.70E-03	0.00E+00	3.70E-03	3.63E-04
2978	419605.9	3740385	3.72E-03	0.00E+00	3.72E-03	3.64E-04
2979	419601.3	3740376	3.73E-03	0.00E+00	3.73E-03	3.65E-04
2980	419596.7	3740368	3.73E-03	0.00E+00	3.73E-03	3.66E-04
2981	419592.2	3740359	3.73E-03	0.00E+00	3.73E-03	3.66E-04
2982	419587.6	3740350	3.73E-03	0.00E+00	3.73E-03	3.65E-04
2983	419583.1	3740342	3.72E-03	0.00E+00	3.72E-03	3.65E-04
2984	419578.5	3740333	3.72E-03	0.00E+00	3.72E-03	3.64E-04
2985	419573.9	3740324	3.70E-03	0.00E+00	3.70E-03	3.62E-04
2986	419560.3	3740298	3.64E-03	0.00E+00	3.64E-03	3.56E-04
2987	419555.7	3740289	3.61E-03	0.00E+00	3.61E-03	3.53E-04
2988	419551.1	3740281	3.58E-03	0.00E+00	3.58E-03	3.50E-04
2989	419546.6	3740272	3.53E-03	0.00E+00	3.53E-03	3.46E-04
2990	419542	3740263	3.49E-03	0.00E+00	3.49E-03	3.42E-04
2991	419537.5	3740254	3.44E-03	0.00E+00	3.44E-03	3.37E-04
2992	419532.9	3740246	3.39E-03	0.00E+00	3.39E-03	3.32E-04
2993	419528.3	3740237	3.35E-03	0.00E+00	3.35E-03	3.28E-04
2994	419523.8	3740228	3.29E-03	0.00E+00	3.29E-03	3.23E-04
2995	419519.2	3740220	3.24E-03	0.00E+00	3.24E-03	3.17E-04
2996	419514.7	3740211	3.20E-03	0.00E+00	3.20E-03	3.13E-04
2997	419510.1	3740202	3.15E-03	0.00E+00	3.15E-03	3.08E-04
2998	419505.6	3740193	3.10E-03	0.00E+00	3.10E-03	3.04E-04
2999	419501	3740185	3.05E-03	0.00E+00	3.05E-03	2.99E-04
3000	419496.4	3740176	3.00E-03	0.00E+00	3.00E-03	2.94E-04
3001	419491.9	3740167	2.95E-03	0.00E+00	2.95E-03	2.89E-04

3002	419487.3	3740159	2.90E-03	0.00E+00	2.90E-03	2.84E-04
3003	419482.8	3740150	2.85E-03	0.00E+00	2.85E-03	2.79E-04
3004	419478.2	3740141	2.80E-03	0.00E+00	2.80E-03	2.74E-04
3005	419473.6	3740132	2.75E-03	0.00E+00	2.75E-03	2.70E-04
3006	420269.9	3740686	6.04E-03	0.00E+00	6.04E-03	5.91E-04
3007	420279.3	3740683	6.19E-03	0.00E+00	6.19E-03	6.07E-04
3008	420288.6	3740679	6.35E-03	0.00E+00	6.35E-03	6.22E-04
3009	420298	3740676	6.51E-03	0.00E+00	6.51E-03	6.37E-04
3010	420307.3	3740673	6.67E-03	0.00E+00	6.67E-03	6.53E-04
3011	420316.7	3740669	6.82E-03	0.00E+00	6.82E-03	6.68E-04
3012	420326	3740666	6.98E-03	0.00E+00	6.98E-03	6.83E-04
3013	420335.4	3740663	7.13E-03	0.00E+00	7.13E-03	6.98E-04
3014	420344.7	3740659	7.28E-03	0.00E+00	7.28E-03	7.13E-04
3015	420354.1	3740656	7.43E-03	0.00E+00	7.43E-03	7.27E-04
3016	420363.4	3740653	7.57E-03	0.00E+00	7.57E-03	7.41E-04
3017	420372.8	3740649	7.71E-03	0.00E+00	7.71E-03	7.54E-04
3018	420382.1	3740646	7.83E-03	0.00E+00	7.83E-03	7.67E-04
3019	420391.5	3740643	7.96E-03	0.00E+00	7.96E-03	7.79E-04
3020	420400.8	3740639	8.07E-03	0.00E+00	8.07E-03	7.90E-04
3021	420410.2	3740636	8.17E-03	0.00E+00	8.17E-03	8.00E-04
3022	420273.6	3740722	5.42E-03	0.00E+00	5.42E-03	5.31E-04
3023	420263.9	3740721	5.36E-03	0.00E+00	5.36E-03	5.25E-04
3024	420254.2	3740720	5.29E-03	0.00E+00	5.29E-03	5.18E-04
3025	420215.4	3740714	5.00E-03	0.00E+00	5.00E-03	4.90E-04
3026	420205.7	3740713	4.93E-03	0.00E+00	4.93E-03	4.82E-04
3027	420196	3740712	4.85E-03	0.00E+00	4.85E-03	4.75E-04
3028	420186.3	3740710	4.77E-03	0.00E+00	4.77E-03	4.67E-04
3029	420176.6	3740709	4.70E-03	0.00E+00	4.70E-03	4.60E-04
3030	420166.9	3740708	4.62E-03	0.00E+00	4.62E-03	4.52E-04
3031	420157.2	3740706	4.54E-03	0.00E+00	4.54E-03	4.45E-04
3032	420147.5	3740705	4.47E-03	0.00E+00	4.47E-03	4.38E-04
3033	420137.8	3740704	4.40E-03	0.00E+00	4.40E-03	4.30E-04
3034	420128.1	3740702	4.32E-03	0.00E+00	4.32E-03	4.23E-04
3035	420118.4	3740701	4.25E-03	0.00E+00	4.25E-03	4.17E-04
3036	420108.7	3740700	4.19E-03	0.00E+00	4.19E-03	4.10E-04
3037	420099	3740698	4.12E-03	0.00E+00	4.12E-03	4.03E-04
3038	420089.3	3740697	4.06E-03	0.00E+00	4.06E-03	3.97E-04
3039	420079.6	3740696	4.00E-03	0.00E+00	4.00E-03	3.91E-04
3040	420069.9	3740695	3.94E-03	0.00E+00	3.94E-03	3.86E-04
3041	420060.2	3740693	3.88E-03	0.00E+00	3.88E-03	3.80E-04
3042	420050.6	3740692	3.82E-03	0.00E+00	3.82E-03	3.74E-04
3043	420040.9	3740691	3.76E-03	0.00E+00	3.76E-03	3.68E-04
3044	420031.2	3740689	3.71E-03	0.00E+00	3.71E-03	3.63E-04
3045	420021.5	3740688	3.65E-03	0.00E+00	3.65E-03	3.58E-04
3046	420011.8	3740687	3.61E-03	0.00E+00	3.61E-03	3.53E-04
3047	420002.1	3740685	3.56E-03	0.00E+00	3.56E-03	3.49E-04
3048	419992.4	3740684	3.52E-03	0.00E+00	3.52E-03	3.45E-04

3049	419982.7	3740683	3.48E-03	0.00E+00	3.48E-03	3.41E-04
3050	419973	3740681	3.44E-03	0.00E+00	3.44E-03	3.37E-04
3051	419963.3	3740680	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3052	419953.6	3740679	3.35E-03	0.00E+00	3.35E-03	3.28E-04
3053	419943.9	3740677	3.31E-03	0.00E+00	3.31E-03	3.24E-04
3054	419934.2	3740676	3.28E-03	0.00E+00	3.28E-03	3.21E-04
3055	419924.5	3740675	3.24E-03	0.00E+00	3.24E-03	3.17E-04
3056	419914.8	3740673	3.21E-03	0.00E+00	3.21E-03	3.14E-04
3057	419905.1	3740672	3.17E-03	0.00E+00	3.17E-03	3.11E-04
3058	419895.4	3740671	3.14E-03	0.00E+00	3.14E-03	3.08E-04
3059	419885.7	3740669	3.11E-03	0.00E+00	3.11E-03	3.04E-04
3060	419876	3740668	3.08E-03	0.00E+00	3.08E-03	3.01E-04
3061	419866.3	3740667	3.04E-03	0.00E+00	3.04E-03	2.98E-04
3062	419856.6	3740665	3.01E-03	0.00E+00	3.01E-03	2.95E-04
3063	419846.9	3740664	2.98E-03	0.00E+00	2.98E-03	2.92E-04
3064	419837.2	3740663	2.95E-03	0.00E+00	2.95E-03	2.88E-04
3065	419827.5	3740661	2.91E-03	0.00E+00	2.91E-03	2.85E-04
3066	419817.8	3740660	2.88E-03	0.00E+00	2.88E-03	2.82E-04
3067	419808.1	3740659	2.85E-03	0.00E+00	2.85E-03	2.80E-04
3068	419749.9	3740651	2.71E-03	0.00E+00	2.71E-03	2.65E-04
3069	419740.2	3740650	2.68E-03	0.00E+00	2.68E-03	2.63E-04
3070	419730.5	3740648	2.66E-03	0.00E+00	2.66E-03	2.60E-04
3071	419720.8	3740647	2.63E-03	0.00E+00	2.63E-03	2.58E-04
3072	419711.1	3740646	2.61E-03	0.00E+00	2.61E-03	2.55E-04
3073	419696.9	3740636	2.62E-03	0.00E+00	2.62E-03	2.56E-04
3074	419692.3	3740627	2.65E-03	0.00E+00	2.65E-03	2.59E-04
3075	419687.8	3740618	2.68E-03	0.00E+00	2.68E-03	2.62E-04
3076	419683.2	3740610	2.71E-03	0.00E+00	2.71E-03	2.66E-04
3077	419660.6	3740566	2.88E-03	0.00E+00	2.88E-03	2.82E-04
3078	419656	3740558	2.92E-03	0.00E+00	2.92E-03	2.86E-04
3079	419651.5	3740549	2.95E-03	0.00E+00	2.95E-03	2.89E-04
3080	419646.9	3740540	2.98E-03	0.00E+00	2.98E-03	2.92E-04
3081	419642.4	3740532	3.01E-03	0.00E+00	3.01E-03	2.95E-04
3082	419637.9	3740523	3.04E-03	0.00E+00	3.04E-03	2.97E-04
3083	419633.3	3740514	3.07E-03	0.00E+00	3.07E-03	3.00E-04
3084	419628.8	3740506	3.10E-03	0.00E+00	3.10E-03	3.04E-04
3085	419624.2	3740497	3.13E-03	0.00E+00	3.13E-03	3.07E-04
3086	419619.7	3740488	3.17E-03	0.00E+00	3.17E-03	3.10E-04
3087	419615.2	3740480	3.20E-03	0.00E+00	3.20E-03	3.13E-04
3088	419610.6	3740471	3.23E-03	0.00E+00	3.23E-03	3.16E-04
3089	419606.1	3740462	3.25E-03	0.00E+00	3.25E-03	3.18E-04
3090	419601.6	3740454	3.28E-03	0.00E+00	3.28E-03	3.21E-04
3091	419597	3740445	3.30E-03	0.00E+00	3.30E-03	3.23E-04
3092	419592.5	3740436	3.32E-03	0.00E+00	3.32E-03	3.25E-04
3093	419587.9	3740428	3.34E-03	0.00E+00	3.34E-03	3.27E-04
3094	419583.4	3740419	3.36E-03	0.00E+00	3.36E-03	3.29E-04
3095	419578.9	3740410	3.37E-03	0.00E+00	3.37E-03	3.30E-04

3096	419574.3	3740402	3.38E-03	0.00E+00	3.38E-03	3.31E-04
3097	419569.8	3740393	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3098	419565.2	3740384	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3099	419560.7	3740375	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3100	419556.2	3740367	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3101	419551.6	3740358	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3102	419547.1	3740349	3.38E-03	0.00E+00	3.38E-03	3.31E-04
3103	419542.6	3740341	3.37E-03	0.00E+00	3.37E-03	3.30E-04
3104	419538	3740332	3.35E-03	0.00E+00	3.35E-03	3.28E-04
3105	419524.4	3740306	3.28E-03	0.00E+00	3.28E-03	3.22E-04
3106	419519.9	3740297	3.26E-03	0.00E+00	3.26E-03	3.19E-04
3107	419515.3	3740289	3.23E-03	0.00E+00	3.23E-03	3.16E-04
3108	419510.8	3740280	3.20E-03	0.00E+00	3.20E-03	3.13E-04
3109	419506.2	3740271	3.16E-03	0.00E+00	3.16E-03	3.10E-04
3110	419501.7	3740263	3.13E-03	0.00E+00	3.13E-03	3.06E-04
3111	419497.2	3740254	3.09E-03	0.00E+00	3.09E-03	3.02E-04
3112	419492.6	3740245	3.05E-03	0.00E+00	3.05E-03	2.98E-04
3113	419488.1	3740237	3.00E-03	0.00E+00	3.00E-03	2.94E-04
3114	419483.5	3740228	2.96E-03	0.00E+00	2.96E-03	2.90E-04
3115	419479	3740219	2.92E-03	0.00E+00	2.92E-03	2.86E-04
3116	419474.5	3740211	2.87E-03	0.00E+00	2.87E-03	2.81E-04
3117	419469.9	3740202	2.83E-03	0.00E+00	2.83E-03	2.77E-04
3118	419465.4	3740193	2.78E-03	0.00E+00	2.78E-03	2.72E-04
3119	419460.9	3740185	2.74E-03	0.00E+00	2.74E-03	2.68E-04
3120	419456.3	3740176	2.69E-03	0.00E+00	2.69E-03	2.64E-04
3121	419451.8	3740167	2.65E-03	0.00E+00	2.65E-03	2.59E-04
3122	419447.2	3740159	2.61E-03	0.00E+00	2.61E-03	2.55E-04
3123	419442.7	3740150	2.57E-03	0.00E+00	2.57E-03	2.51E-04
3124	419438.2	3740141	2.53E-03	0.00E+00	2.53E-03	2.47E-04
3125	419433.6	3740133	2.49E-03	0.00E+00	2.49E-03	2.44E-04
3126	420283.3	3740724	5.48E-03	0.00E+00	5.48E-03	5.37E-04
3127	420292.7	3740720	5.62E-03	0.00E+00	5.62E-03	5.50E-04
3128	420302	3740717	5.75E-03	0.00E+00	5.75E-03	5.63E-04
3129	420311.4	3740714	5.88E-03	0.00E+00	5.88E-03	5.76E-04
3130	420320.7	3740710	6.02E-03	0.00E+00	6.02E-03	5.89E-04
3131	420330.1	3740707	6.15E-03	0.00E+00	6.15E-03	6.02E-04
3132	420339.4	3740704	6.28E-03	0.00E+00	6.28E-03	6.15E-04
3133	420348.8	3740700	6.41E-03	0.00E+00	6.41E-03	6.28E-04
3134	420358.1	3740697	6.54E-03	0.00E+00	6.54E-03	6.40E-04
3135	420367.5	3740694	6.66E-03	0.00E+00	6.66E-03	6.52E-04
3136	420376.8	3740690	6.78E-03	0.00E+00	6.78E-03	6.64E-04
3137	420386.2	3740687	6.90E-03	0.00E+00	6.90E-03	6.76E-04
3138	420395.5	3740684	7.01E-03	0.00E+00	7.01E-03	6.87E-04
3139	420404.9	3740680	7.12E-03	0.00E+00	7.12E-03	6.97E-04
3140	420414.2	3740677	7.22E-03	0.00E+00	7.22E-03	7.07E-04
3141	420423.6	3740674	7.32E-03	0.00E+00	7.32E-03	7.16E-04
3142	420286.9	3740760	4.96E-03	0.00E+00	4.96E-03	4.85E-04

3143	420277.1	3740759	4.90E-03	0.00E+00	4.90E-03	4.80E-04
3144	420267.3	3740757	4.85E-03	0.00E+00	4.85E-03	4.75E-04
3145	420257.5	3740756	4.79E-03	0.00E+00	4.79E-03	4.69E-04
3146	420218.2	3740751	4.53E-03	0.00E+00	4.53E-03	4.44E-04
3147	420208.4	3740749	4.46E-03	0.00E+00	4.46E-03	4.37E-04
3148	420198.6	3740748	4.40E-03	0.00E+00	4.40E-03	4.31E-04
3149	420188.8	3740747	4.33E-03	0.00E+00	4.33E-03	4.24E-04
3150	420178.9	3740745	4.27E-03	0.00E+00	4.27E-03	4.18E-04
3151	420169.1	3740744	4.20E-03	0.00E+00	4.20E-03	4.11E-04
3152	420159.3	3740743	4.13E-03	0.00E+00	4.13E-03	4.05E-04
3153	420149.5	3740741	4.07E-03	0.00E+00	4.07E-03	3.98E-04
3154	420139.7	3740740	4.00E-03	0.00E+00	4.00E-03	3.92E-04
3155	420129.9	3740739	3.94E-03	0.00E+00	3.94E-03	3.86E-04
3156	420120.1	3740737	3.87E-03	0.00E+00	3.87E-03	3.79E-04
3157	420110.2	3740736	3.82E-03	0.00E+00	3.82E-03	3.74E-04
3158	420100.4	3740735	3.76E-03	0.00E+00	3.76E-03	3.68E-04
3159	420090.6	3740733	3.71E-03	0.00E+00	3.71E-03	3.63E-04
3160	420080.8	3740732	3.65E-03	0.00E+00	3.65E-03	3.58E-04
3161	420071	3740731	3.60E-03	0.00E+00	3.60E-03	3.53E-04
3162	420061.2	3740729	3.55E-03	0.00E+00	3.55E-03	3.47E-04
3163	420051.4	3740728	3.50E-03	0.00E+00	3.50E-03	3.42E-04
3164	420041.5	3740727	3.45E-03	0.00E+00	3.45E-03	3.38E-04
3165	420031.7	3740725	3.40E-03	0.00E+00	3.40E-03	3.33E-04
3166	420021.9	3740724	3.36E-03	0.00E+00	3.36E-03	3.29E-04
3167	420012.1	3740722	3.31E-03	0.00E+00	3.31E-03	3.24E-04
3168	420002.3	3740721	3.27E-03	0.00E+00	3.27E-03	3.20E-04
3169	419992.5	3740720	3.23E-03	0.00E+00	3.23E-03	3.17E-04
3170	419982.7	3740718	3.20E-03	0.00E+00	3.20E-03	3.13E-04
3171	419972.8	3740717	3.16E-03	0.00E+00	3.16E-03	3.09E-04
3172	419963	3740716	3.12E-03	0.00E+00	3.12E-03	3.06E-04
3173	419953.2	3740714	3.09E-03	0.00E+00	3.09E-03	3.02E-04
3174	419943.4	3740713	3.05E-03	0.00E+00	3.05E-03	2.99E-04
3175	419933.6	3740712	3.02E-03	0.00E+00	3.02E-03	2.96E-04
3176	419923.8	3740710	2.99E-03	0.00E+00	2.99E-03	2.93E-04
3177	419914	3740709	2.96E-03	0.00E+00	2.96E-03	2.89E-04
3178	419904.1	3740708	2.92E-03	0.00E+00	2.92E-03	2.86E-04
3179	419894.3	3740706	2.89E-03	0.00E+00	2.89E-03	2.83E-04
3180	419884.5	3740705	2.86E-03	0.00E+00	2.86E-03	2.80E-04
3181	419874.7	3740704	2.83E-03	0.00E+00	2.83E-03	2.78E-04
3182	419864.9	3740702	2.81E-03	0.00E+00	2.81E-03	2.75E-04
3183	419855.1	3740701	2.78E-03	0.00E+00	2.78E-03	2.72E-04
3184	419845.3	3740700	2.75E-03	0.00E+00	2.75E-03	2.69E-04
3185	419835.4	3740698	2.73E-03	0.00E+00	2.73E-03	2.67E-04
3186	419825.6	3740697	2.70E-03	0.00E+00	2.70E-03	2.64E-04
3187	419815.8	3740696	2.67E-03	0.00E+00	2.67E-03	2.62E-04
3188	419806	3740694	2.65E-03	0.00E+00	2.65E-03	2.60E-04
3189	419756.9	3740688	2.53E-03	0.00E+00	2.53E-03	2.48E-04

3190	419747.1	3740686	2.51E-03	0.00E+00	2.51E-03	2.46E-04
3191	419737.3	3740685	2.49E-03	0.00E+00	2.49E-03	2.44E-04
3192	419727.5	3740684	2.46E-03	0.00E+00	2.46E-03	2.41E-04
3193	419717.7	3740682	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3194	419707.9	3740681	2.42E-03	0.00E+00	2.42E-03	2.37E-04
3195	419698.1	3740680	2.40E-03	0.00E+00	2.40E-03	2.35E-04
3196	419688.2	3740678	2.37E-03	0.00E+00	2.37E-03	2.33E-04
3197	419673.8	3740668	2.38E-03	0.00E+00	2.38E-03	2.33E-04
3198	419669.2	3740660	2.41E-03	0.00E+00	2.41E-03	2.36E-04
3199	419664.6	3740651	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3200	419660.1	3740642	2.47E-03	0.00E+00	2.47E-03	2.42E-04
3201	419655.5	3740633	2.50E-03	0.00E+00	2.50E-03	2.44E-04
3202	419650.9	3740624	2.52E-03	0.00E+00	2.52E-03	2.47E-04
3203	419646.3	3740616	2.55E-03	0.00E+00	2.55E-03	2.50E-04
3204	419641.7	3740607	2.58E-03	0.00E+00	2.58E-03	2.53E-04
3205	419623.3	3740572	2.70E-03	0.00E+00	2.70E-03	2.65E-04
3206	419618.7	3740563	2.73E-03	0.00E+00	2.73E-03	2.68E-04
3207	419614.1	3740554	2.76E-03	0.00E+00	2.76E-03	2.70E-04
3208	419609.5	3740545	2.79E-03	0.00E+00	2.79E-03	2.73E-04
3209	419604.9	3740537	2.82E-03	0.00E+00	2.82E-03	2.76E-04
3210	419600.3	3740528	2.85E-03	0.00E+00	2.85E-03	2.79E-04
3211	419595.8	3740519	2.88E-03	0.00E+00	2.88E-03	2.82E-04
3212	419591.2	3740510	2.90E-03	0.00E+00	2.90E-03	2.84E-04
3213	419586.6	3740502	2.93E-03	0.00E+00	2.93E-03	2.87E-04
3214	419582	3740493	2.96E-03	0.00E+00	2.96E-03	2.89E-04
3215	419577.4	3740484	2.98E-03	0.00E+00	2.98E-03	2.92E-04
3216	419572.8	3740475	3.00E-03	0.00E+00	3.00E-03	2.94E-04
3217	419568.2	3740466	3.02E-03	0.00E+00	3.02E-03	2.96E-04
3218	419563.6	3740458	3.04E-03	0.00E+00	3.04E-03	2.98E-04
3219	419559	3740449	3.06E-03	0.00E+00	3.06E-03	2.99E-04
3220	419554.4	3740440	3.07E-03	0.00E+00	3.07E-03	3.01E-04
3221	419549.8	3740431	3.08E-03	0.00E+00	3.08E-03	3.02E-04
3222	419545.2	3740423	3.09E-03	0.00E+00	3.09E-03	3.03E-04
3223	419540.6	3740414	3.10E-03	0.00E+00	3.10E-03	3.04E-04
3224	419536.1	3740405	3.11E-03	0.00E+00	3.11E-03	3.04E-04
3225	419531.5	3740396	3.11E-03	0.00E+00	3.11E-03	3.04E-04
3226	419526.9	3740387	3.11E-03	0.00E+00	3.11E-03	3.04E-04
3227	419522.3	3740379	3.10E-03	0.00E+00	3.10E-03	3.04E-04
3228	419517.7	3740370	3.10E-03	0.00E+00	3.10E-03	3.03E-04
3229	419513.1	3740361	3.09E-03	0.00E+00	3.09E-03	3.02E-04
3230	419508.5	3740352	3.07E-03	0.00E+00	3.07E-03	3.01E-04
3231	419503.9	3740344	3.06E-03	0.00E+00	3.06E-03	2.99E-04
3232	419490.1	3740317	3.00E-03	0.00E+00	3.00E-03	2.93E-04
3233	419485.5	3740308	2.97E-03	0.00E+00	2.97E-03	2.91E-04
3234	419480.9	3740300	2.95E-03	0.00E+00	2.95E-03	2.88E-04
3235	419476.3	3740291	2.92E-03	0.00E+00	2.92E-03	2.86E-04
3236	419471.8	3740282	2.89E-03	0.00E+00	2.89E-03	2.83E-04

3237	419467.2	3740273	2.86E-03	0.00E+00	2.86E-03	2.80E-04
3238	419462.6	3740265	2.82E-03	0.00E+00	2.82E-03	2.77E-04
3239	419458	3740256	2.79E-03	0.00E+00	2.79E-03	2.73E-04
3240	420296.7	3740761	5.01E-03	0.00E+00	5.01E-03	4.91E-04
3241	420306.1	3740758	5.13E-03	0.00E+00	5.13E-03	5.02E-04
3242	420315.4	3740755	5.24E-03	0.00E+00	5.24E-03	5.13E-04
3243	420324.8	3740751	5.36E-03	0.00E+00	5.36E-03	5.25E-04
3244	420334.1	3740748	5.47E-03	0.00E+00	5.47E-03	5.36E-04
3245	420343.5	3740745	5.58E-03	0.00E+00	5.58E-03	5.47E-04
3246	420352.8	3740741	5.69E-03	0.00E+00	5.69E-03	5.57E-04
3247	420362.2	3740738	5.80E-03	0.00E+00	5.80E-03	5.68E-04
3248	420371.5	3740735	5.92E-03	0.00E+00	5.92E-03	5.79E-04
3249	420380.9	3740731	6.02E-03	0.00E+00	6.02E-03	5.90E-04
3250	420390.2	3740728	6.13E-03	0.00E+00	6.13E-03	6.00E-04
3251	420399.5	3740725	6.24E-03	0.00E+00	6.24E-03	6.11E-04
3252	420408.9	3740721	6.33E-03	0.00E+00	6.33E-03	6.20E-04
3253	420418.2	3740718	6.42E-03	0.00E+00	6.42E-03	6.29E-04
3254	420427.6	3740715	6.51E-03	0.00E+00	6.51E-03	6.38E-04
3255	420436.9	3740711	6.59E-03	0.00E+00	6.59E-03	6.46E-04
3256	420300.3	3740798	4.56E-03	0.00E+00	4.56E-03	4.47E-04
3257	420290.6	3740796	4.51E-03	0.00E+00	4.51E-03	4.42E-04
3258	420280.8	3740795	4.46E-03	0.00E+00	4.46E-03	4.37E-04
3259	420271	3740794	4.41E-03	0.00E+00	4.41E-03	4.32E-04
3260	420261.2	3740792	4.36E-03	0.00E+00	4.36E-03	4.27E-04
3261	420251.5	3740791	4.30E-03	0.00E+00	4.30E-03	4.21E-04
3262	420222.2	3740787	4.13E-03	0.00E+00	4.13E-03	4.05E-04
3263	420212.4	3740786	4.08E-03	0.00E+00	4.08E-03	3.99E-04
3264	420202.6	3740784	4.02E-03	0.00E+00	4.02E-03	3.94E-04
3265	420192.8	3740783	3.96E-03	0.00E+00	3.96E-03	3.88E-04
3266	420183.1	3740782	3.90E-03	0.00E+00	3.90E-03	3.82E-04
3267	420173.3	3740780	3.85E-03	0.00E+00	3.85E-03	3.77E-04
3268	420163.5	3740779	3.79E-03	0.00E+00	3.79E-03	3.71E-04
3269	420153.8	3740778	3.73E-03	0.00E+00	3.73E-03	3.66E-04
3270	420144	3740776	3.68E-03	0.00E+00	3.68E-03	3.60E-04
3271	420134.2	3740775	3.62E-03	0.00E+00	3.62E-03	3.55E-04
3272	420124.4	3740774	3.57E-03	0.00E+00	3.57E-03	3.50E-04
3273	420114.7	3740772	3.52E-03	0.00E+00	3.52E-03	3.44E-04
3274	420104.9	3740771	3.47E-03	0.00E+00	3.47E-03	3.39E-04
3275	420095.1	3740770	3.42E-03	0.00E+00	3.42E-03	3.35E-04
3276	420085.4	3740768	3.37E-03	0.00E+00	3.37E-03	3.30E-04
3277	420075.6	3740767	3.32E-03	0.00E+00	3.32E-03	3.25E-04
3278	420065.8	3740766	3.28E-03	0.00E+00	3.28E-03	3.21E-04
3279	420056.1	3740764	3.23E-03	0.00E+00	3.23E-03	3.17E-04
3280	420046.3	3740763	3.19E-03	0.00E+00	3.19E-03	3.12E-04
3281	420036.5	3740762	3.15E-03	0.00E+00	3.15E-03	3.08E-04
3282	420026.7	3740760	3.11E-03	0.00E+00	3.11E-03	3.05E-04
3283	420017	3740759	3.07E-03	0.00E+00	3.07E-03	3.01E-04

3284	420007.2	3740758	3.04E-03	0.00E+00	3.04E-03	2.97E-04
3285	419997.4	3740756	3.00E-03	0.00E+00	3.00E-03	2.94E-04
3286	419987.7	3740755	2.97E-03	0.00E+00	2.97E-03	2.90E-04
3287	419977.9	3740754	2.93E-03	0.00E+00	2.93E-03	2.87E-04
3288	419968.1	3740752	2.90E-03	0.00E+00	2.90E-03	2.84E-04
3289	419958.3	3740751	2.87E-03	0.00E+00	2.87E-03	2.81E-04
3290	419948.6	3740750	2.84E-03	0.00E+00	2.84E-03	2.78E-04
3291	419938.8	3740748	2.81E-03	0.00E+00	2.81E-03	2.75E-04
3292	419929	3740747	2.78E-03	0.00E+00	2.78E-03	2.72E-04
3293	419919.3	3740746	2.75E-03	0.00E+00	2.75E-03	2.69E-04
3294	419909.5	3740744	2.72E-03	0.00E+00	2.72E-03	2.67E-04
3295	419899.7	3740743	2.70E-03	0.00E+00	2.70E-03	2.64E-04
3296	419889.9	3740742	2.67E-03	0.00E+00	2.67E-03	2.61E-04
3297	419880.2	3740740	2.64E-03	0.00E+00	2.64E-03	2.59E-04
3298	419870.4	3740739	2.62E-03	0.00E+00	2.62E-03	2.56E-04
3299	419860.6	3740738	2.59E-03	0.00E+00	2.59E-03	2.54E-04
3300	419850.9	3740736	2.57E-03	0.00E+00	2.57E-03	2.52E-04
3301	419841.1	3740735	2.55E-03	0.00E+00	2.55E-03	2.49E-04
3302	419831.3	3740734	2.52E-03	0.00E+00	2.52E-03	2.47E-04
3303	419821.6	3740732	2.50E-03	0.00E+00	2.50E-03	2.45E-04
3304	419811.8	3740731	2.48E-03	0.00E+00	2.48E-03	2.43E-04
3305	419802	3740730	2.46E-03	0.00E+00	2.46E-03	2.41E-04
3306	419753.2	3740723	2.35E-03	0.00E+00	2.35E-03	2.30E-04
3307	419743.4	3740722	2.33E-03	0.00E+00	2.33E-03	2.28E-04
3308	419733.6	3740720	2.31E-03	0.00E+00	2.31E-03	2.26E-04
3309	419723.8	3740719	2.29E-03	0.00E+00	2.29E-03	2.24E-04
3310	419714.1	3740718	2.27E-03	0.00E+00	2.27E-03	2.23E-04
3311	419704.3	3740716	2.25E-03	0.00E+00	2.25E-03	2.21E-04
3312	419694.5	3740715	2.23E-03	0.00E+00	2.23E-03	2.19E-04
3313	419684.8	3740714	2.21E-03	0.00E+00	2.21E-03	2.17E-04
3314	419675	3740712	2.19E-03	0.00E+00	2.19E-03	2.15E-04
3315	419665.2	3740711	2.18E-03	0.00E+00	2.18E-03	2.13E-04
3316	419650.9	3740701	2.18E-03	0.00E+00	2.18E-03	2.14E-04
3317	419646.3	3740692	2.21E-03	0.00E+00	2.21E-03	2.16E-04
3318	419641.7	3740684	2.23E-03	0.00E+00	2.23E-03	2.18E-04
3319	419637.2	3740675	2.25E-03	0.00E+00	2.25E-03	2.21E-04
3320	419632.6	3740666	2.28E-03	0.00E+00	2.28E-03	2.23E-04
3321	419628	3740657	2.30E-03	0.00E+00	2.30E-03	2.26E-04
3322	419623.4	3740649	2.33E-03	0.00E+00	2.33E-03	2.28E-04
3323	419618.9	3740640	2.36E-03	0.00E+00	2.36E-03	2.31E-04
3324	419614.3	3740631	2.38E-03	0.00E+00	2.38E-03	2.33E-04
3325	419609.7	3740622	2.41E-03	0.00E+00	2.41E-03	2.36E-04
3326	419605.1	3740614	2.43E-03	0.00E+00	2.43E-03	2.38E-04
3327	419600.6	3740605	2.46E-03	0.00E+00	2.46E-03	2.41E-04
3328	419582.3	3740570	2.57E-03	0.00E+00	2.57E-03	2.51E-04
3329	419577.7	3740561	2.59E-03	0.00E+00	2.59E-03	2.54E-04
3330	419573.1	3740553	2.62E-03	0.00E+00	2.62E-03	2.56E-04

3331	419568.6	3740544	2.64E-03	0.00E+00	2.64E-03	2.59E-04
3332	419564	3740535	2.66E-03	0.00E+00	2.66E-03	2.61E-04
3333	419559.4	3740526	2.69E-03	0.00E+00	2.69E-03	2.63E-04
3334	419554.8	3740518	2.71E-03	0.00E+00	2.71E-03	2.66E-04
3335	419550.3	3740509	2.73E-03	0.00E+00	2.73E-03	2.68E-04
3336	419545.7	3740500	2.75E-03	0.00E+00	2.75E-03	2.69E-04
3337	419541.1	3740491	2.77E-03	0.00E+00	2.77E-03	2.71E-04
3338	419536.6	3740483	2.79E-03	0.00E+00	2.79E-03	2.73E-04
3339	419532	3740474	2.80E-03	0.00E+00	2.80E-03	2.75E-04
3340	419527.4	3740465	2.82E-03	0.00E+00	2.82E-03	2.76E-04
3341	419522.8	3740456	2.83E-03	0.00E+00	2.83E-03	2.77E-04
3342	419518.3	3740448	2.84E-03	0.00E+00	2.84E-03	2.78E-04
3343	419513.7	3740439	2.85E-03	0.00E+00	2.85E-03	2.79E-04
3344	419509.1	3740430	2.85E-03	0.00E+00	2.85E-03	2.79E-04
3345	419504.6	3740421	2.86E-03	0.00E+00	2.86E-03	2.80E-04
3346	419500	3740413	2.86E-03	0.00E+00	2.86E-03	2.80E-04
3347	419495.4	3740404	2.86E-03	0.00E+00	2.86E-03	2.80E-04
3348	419490.8	3740395	2.85E-03	0.00E+00	2.85E-03	2.79E-04
3349	419486.3	3740387	2.85E-03	0.00E+00	2.85E-03	2.79E-04
3350	419481.7	3740378	2.84E-03	0.00E+00	2.84E-03	2.78E-04
3351	419477.1	3740369	2.83E-03	0.00E+00	2.83E-03	2.77E-04
3352	419472.5	3740360	2.82E-03	0.00E+00	2.82E-03	2.76E-04
3353	419458.8	3740334	2.77E-03	0.00E+00	2.77E-03	2.71E-04
3354	419454.3	3740325	2.74E-03	0.00E+00	2.74E-03	2.69E-04
3355	419449.7	3740317	2.72E-03	0.00E+00	2.72E-03	2.66E-04
3356	419445.1	3740308	2.70E-03	0.00E+00	2.70E-03	2.64E-04
3357	419440.5	3740299	2.67E-03	0.00E+00	2.67E-03	2.61E-04
3358	419436	3740290	2.64E-03	0.00E+00	2.64E-03	2.59E-04
3359	419431.4	3740282	2.61E-03	0.00E+00	2.61E-03	2.56E-04
3360	419426.8	3740273	2.58E-03	0.00E+00	2.58E-03	2.53E-04
3361	419422.2	3740264	2.55E-03	0.00E+00	2.55E-03	2.50E-04
3362	419417.7	3740255	2.52E-03	0.00E+00	2.52E-03	2.47E-04
3363	419413.1	3740247	2.49E-03	0.00E+00	2.49E-03	2.44E-04
3364	419408.5	3740238	2.45E-03	0.00E+00	2.45E-03	2.40E-04
3365	419404	3740229	2.42E-03	0.00E+00	2.42E-03	2.37E-04
3366	419399.4	3740221	2.39E-03	0.00E+00	2.39E-03	2.34E-04
3367	419394.8	3740212	2.35E-03	0.00E+00	2.35E-03	2.30E-04
3368	419390.2	3740203	2.32E-03	0.00E+00	2.32E-03	2.27E-04
3369	419385.7	3740194	2.28E-03	0.00E+00	2.28E-03	2.23E-04
3370	419381.1	3740186	2.25E-03	0.00E+00	2.25E-03	2.20E-04
3371	419376.5	3740177	2.22E-03	0.00E+00	2.22E-03	2.17E-04
3372	419371.9	3740168	2.18E-03	0.00E+00	2.18E-03	2.14E-04
3373	419367.4	3740159	2.15E-03	0.00E+00	2.15E-03	2.10E-04
3374	419362.8	3740151	2.12E-03	0.00E+00	2.12E-03	2.07E-04
3375	419358.2	3740142	2.09E-03	0.00E+00	2.09E-03	2.04E-04
3376	419353.7	3740133	2.06E-03	0.00E+00	2.06E-03	2.01E-04
3377	420310.1	3740799	4.61E-03	0.00E+00	4.61E-03	4.51E-04

3378	420319.4	3740796	4.71E-03	0.00E+00	4.71E-03	4.61E-04
3379	420328.8	3740792	4.81E-03	0.00E+00	4.81E-03	4.71E-04
3380	420338.1	3740789	4.91E-03	0.00E+00	4.91E-03	4.81E-04
3381	420347.5	3740786	5.01E-03	0.00E+00	5.01E-03	4.91E-04
3382	420356.8	3740782	5.11E-03	0.00E+00	5.11E-03	5.00E-04
3383	420366.2	3740779	5.20E-03	0.00E+00	5.20E-03	5.10E-04
3384	420375.5	3740776	5.30E-03	0.00E+00	5.30E-03	5.19E-04
3385	420384.9	3740772	5.39E-03	0.00E+00	5.39E-03	5.28E-04
3386	420394.2	3740769	5.49E-03	0.00E+00	5.49E-03	5.37E-04
3387	420403.6	3740766	5.58E-03	0.00E+00	5.58E-03	5.46E-04
3388	420412.9	3740762	5.67E-03	0.00E+00	5.67E-03	5.55E-04
3389	420422.3	3740759	5.75E-03	0.00E+00	5.75E-03	5.63E-04
3390	420431.6	3740756	5.84E-03	0.00E+00	5.84E-03	5.71E-04
3391	420441	3740752	5.91E-03	0.00E+00	5.91E-03	5.79E-04
3392	420450.3	3740749	5.99E-03	0.00E+00	5.99E-03	5.86E-04
3393	420313.8	3740835	4.21E-03	0.00E+00	4.21E-03	4.12E-04
3394	420304	3740834	4.17E-03	0.00E+00	4.17E-03	4.08E-04
3395	420294.3	3740833	4.12E-03	0.00E+00	4.12E-03	4.04E-04
3396	420284.6	3740831	4.08E-03	0.00E+00	4.08E-03	3.99E-04
3397	420274.8	3740830	4.03E-03	0.00E+00	4.03E-03	3.95E-04
3398	420265.1	3740829	3.98E-03	0.00E+00	3.98E-03	3.90E-04
3399	420255.4	3740827	3.94E-03	0.00E+00	3.94E-03	3.85E-04
3400	420216.4	3740822	3.74E-03	0.00E+00	3.74E-03	3.66E-04
3401	420206.7	3740821	3.69E-03	0.00E+00	3.69E-03	3.61E-04
3402	420197	3740819	3.64E-03	0.00E+00	3.64E-03	3.56E-04
3403	420187.2	3740818	3.58E-03	0.00E+00	3.58E-03	3.51E-04
3404	420177.5	3740817	3.54E-03	0.00E+00	3.54E-03	3.46E-04
3405	420167.8	3740815	3.49E-03	0.00E+00	3.49E-03	3.41E-04
3406	420158	3740814	3.44E-03	0.00E+00	3.44E-03	3.37E-04
3407	420148.3	3740813	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3408	420138.6	3740811	3.34E-03	0.00E+00	3.34E-03	3.27E-04
3409	420128.8	3740810	3.29E-03	0.00E+00	3.29E-03	3.23E-04
3410	420119.1	3740809	3.25E-03	0.00E+00	3.25E-03	3.18E-04
3411	420109.4	3740807	3.20E-03	0.00E+00	3.20E-03	3.14E-04
3412	420099.6	3740806	3.16E-03	0.00E+00	3.16E-03	3.10E-04
3413	420089.9	3740805	3.12E-03	0.00E+00	3.12E-03	3.05E-04
3414	420080.2	3740804	3.08E-03	0.00E+00	3.08E-03	3.01E-04
3415	420070.4	3740802	3.04E-03	0.00E+00	3.04E-03	2.98E-04
3416	420060.7	3740801	3.00E-03	0.00E+00	3.00E-03	2.94E-04
3417	420051	3740800	2.96E-03	0.00E+00	2.96E-03	2.90E-04
3418	420041.2	3740798	2.93E-03	0.00E+00	2.93E-03	2.86E-04
3419	420031.5	3740797	2.89E-03	0.00E+00	2.89E-03	2.83E-04
3420	420021.8	3740796	2.86E-03	0.00E+00	2.86E-03	2.80E-04
3421	420012	3740794	2.82E-03	0.00E+00	2.82E-03	2.76E-04
3422	420002.3	3740793	2.79E-03	0.00E+00	2.79E-03	2.73E-04
3423	419992.6	3740792	2.76E-03	0.00E+00	2.76E-03	2.70E-04
3424	419982.8	3740790	2.73E-03	0.00E+00	2.73E-03	2.67E-04

3425	419973.1	3740789	2.70E-03	0.00E+00	2.70E-03	2.65E-04
3426	419963.4	3740788	2.67E-03	0.00E+00	2.67E-03	2.62E-04
3427	419953.6	3740786	2.65E-03	0.00E+00	2.65E-03	2.59E-04
3428	419943.9	3740785	2.62E-03	0.00E+00	2.62E-03	2.57E-04
3429	419934.2	3740784	2.59E-03	0.00E+00	2.59E-03	2.54E-04
3430	419924.4	3740782	2.57E-03	0.00E+00	2.57E-03	2.51E-04
3431	419914.7	3740781	2.54E-03	0.00E+00	2.54E-03	2.49E-04
3432	419905	3740780	2.52E-03	0.00E+00	2.52E-03	2.47E-04
3433	419895.2	3740778	2.49E-03	0.00E+00	2.49E-03	2.44E-04
3434	419885.5	3740777	2.47E-03	0.00E+00	2.47E-03	2.42E-04
3435	419875.8	3740776	2.45E-03	0.00E+00	2.45E-03	2.40E-04
3436	419866	3740774	2.43E-03	0.00E+00	2.43E-03	2.38E-04
3437	419856.3	3740773	2.40E-03	0.00E+00	2.40E-03	2.35E-04
3438	419846.6	3740772	2.38E-03	0.00E+00	2.38E-03	2.33E-04
3439	419836.9	3740770	2.36E-03	0.00E+00	2.36E-03	2.31E-04
3440	419827.1	3740769	2.34E-03	0.00E+00	2.34E-03	2.30E-04
3441	419817.4	3740768	2.32E-03	0.00E+00	2.32E-03	2.28E-04
3442	419807.7	3740766	2.31E-03	0.00E+00	2.31E-03	2.26E-04
3443	419797.9	3740765	2.29E-03	0.00E+00	2.29E-03	2.24E-04
3444	419749.3	3740758	2.19E-03	0.00E+00	2.19E-03	2.14E-04
3445	419739.5	3740757	2.17E-03	0.00E+00	2.17E-03	2.13E-04
3446	419729.8	3740756	2.15E-03	0.00E+00	2.15E-03	2.11E-04
3447	419720.1	3740754	2.14E-03	0.00E+00	2.14E-03	2.09E-04
3448	419710.3	3740753	2.12E-03	0.00E+00	2.12E-03	2.08E-04
3449	419700.6	3740752	2.10E-03	0.00E+00	2.10E-03	2.06E-04
3450	419690.9	3740750	2.09E-03	0.00E+00	2.09E-03	2.04E-04
3451	419681.1	3740749	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3452	419671.4	3740748	2.05E-03	0.00E+00	2.05E-03	2.01E-04
3453	419661.7	3740747	2.04E-03	0.00E+00	2.04E-03	1.99E-04
3454	419651.9	3740745	2.02E-03	0.00E+00	2.02E-03	1.98E-04
3455	419642.2	3740744	2.00E-03	0.00E+00	2.00E-03	1.96E-04
3456	419627.9	3740734	2.01E-03	0.00E+00	2.01E-03	1.97E-04
3457	419623.4	3740725	2.03E-03	0.00E+00	2.03E-03	1.99E-04
3458	419618.8	3740716	2.05E-03	0.00E+00	2.05E-03	2.01E-04
3459	419614.2	3740708	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3460	419609.7	3740699	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3461	419605.1	3740690	2.12E-03	0.00E+00	2.12E-03	2.07E-04
3462	419600.6	3740682	2.14E-03	0.00E+00	2.14E-03	2.09E-04
3463	419596	3740673	2.16E-03	0.00E+00	2.16E-03	2.11E-04
3464	419591.5	3740664	2.18E-03	0.00E+00	2.18E-03	2.13E-04
3465	419586.9	3740656	2.20E-03	0.00E+00	2.20E-03	2.16E-04
3466	419582.4	3740647	2.23E-03	0.00E+00	2.23E-03	2.18E-04
3467	419577.8	3740638	2.25E-03	0.00E+00	2.25E-03	2.20E-04
3468	419573.3	3740629	2.27E-03	0.00E+00	2.27E-03	2.23E-04
3469	419568.7	3740621	2.30E-03	0.00E+00	2.30E-03	2.25E-04
3470	419564.1	3740612	2.32E-03	0.00E+00	2.32E-03	2.27E-04
3471	419559.6	3740603	2.34E-03	0.00E+00	2.34E-03	2.29E-04

3472	419541.4	3740568	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3473	419536.8	3740560	2.46E-03	0.00E+00	2.46E-03	2.41E-04
3474	419532.3	3740551	2.48E-03	0.00E+00	2.48E-03	2.43E-04
3475	419527.7	3740542	2.50E-03	0.00E+00	2.50E-03	2.45E-04
3476	419523.2	3740534	2.52E-03	0.00E+00	2.52E-03	2.46E-04
3477	419518.6	3740525	2.54E-03	0.00E+00	2.54E-03	2.48E-04
3478	419514	3740516	2.55E-03	0.00E+00	2.55E-03	2.50E-04
3479	419509.5	3740508	2.57E-03	0.00E+00	2.57E-03	2.51E-04
3480	419504.9	3740499	2.58E-03	0.00E+00	2.58E-03	2.53E-04
3481	419500.4	3740490	2.59E-03	0.00E+00	2.59E-03	2.54E-04
3482	419495.8	3740481	2.61E-03	0.00E+00	2.61E-03	2.55E-04
3483	419491.3	3740473	2.62E-03	0.00E+00	2.62E-03	2.56E-04
3484	419486.7	3740464	2.62E-03	0.00E+00	2.62E-03	2.57E-04
3485	419482.2	3740455	2.63E-03	0.00E+00	2.63E-03	2.58E-04
3486	419477.6	3740447	2.64E-03	0.00E+00	2.64E-03	2.58E-04
3487	419473.1	3740438	2.64E-03	0.00E+00	2.64E-03	2.58E-04
3488	419468.5	3740429	2.64E-03	0.00E+00	2.64E-03	2.58E-04
3489	419463.9	3740421	2.64E-03	0.00E+00	2.64E-03	2.58E-04
3490	419459.4	3740412	2.64E-03	0.00E+00	2.64E-03	2.58E-04
3491	419454.8	3740403	2.63E-03	0.00E+00	2.63E-03	2.58E-04
3492	419450.3	3740394	2.63E-03	0.00E+00	2.63E-03	2.57E-04
3493	419445.7	3740386	2.62E-03	0.00E+00	2.62E-03	2.56E-04
3494	419441.2	3740377	2.60E-03	0.00E+00	2.60E-03	2.55E-04
3495	419436.6	3740368	2.59E-03	0.00E+00	2.59E-03	2.54E-04
3496	419423	3740342	2.54E-03	0.00E+00	2.54E-03	2.49E-04
3497	419418.4	3740334	2.52E-03	0.00E+00	2.52E-03	2.47E-04
3498	419413.8	3740325	2.50E-03	0.00E+00	2.50E-03	2.45E-04
3499	419409.3	3740316	2.48E-03	0.00E+00	2.48E-03	2.43E-04
3500	419404.7	3740307	2.45E-03	0.00E+00	2.45E-03	2.40E-04
3501	419400.2	3740299	2.43E-03	0.00E+00	2.43E-03	2.38E-04
3502	419395.6	3740290	2.40E-03	0.00E+00	2.40E-03	2.35E-04
3503	419391.1	3740281	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3504	419386.5	3740273	2.35E-03	0.00E+00	2.35E-03	2.30E-04
3505	419382	3740264	2.32E-03	0.00E+00	2.32E-03	2.27E-04
3506	419377.4	3740255	2.29E-03	0.00E+00	2.29E-03	2.24E-04
3507	419372.9	3740246	2.26E-03	0.00E+00	2.26E-03	2.21E-04
3508	419368.3	3740238	2.23E-03	0.00E+00	2.23E-03	2.18E-04
3509	419363.7	3740229	2.19E-03	0.00E+00	2.19E-03	2.15E-04
3510	419359.2	3740220	2.16E-03	0.00E+00	2.16E-03	2.12E-04
3511	419354.6	3740212	2.13E-03	0.00E+00	2.13E-03	2.09E-04
3512	419350.1	3740203	2.10E-03	0.00E+00	2.10E-03	2.06E-04
3513	419345.5	3740194	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3514	419341	3740186	2.05E-03	0.00E+00	2.05E-03	2.00E-04
3515	419336.4	3740177	2.02E-03	0.00E+00	2.02E-03	1.97E-04
3516	419331.9	3740168	1.99E-03	0.00E+00	1.99E-03	1.95E-04
3517	419327.3	3740159	1.96E-03	0.00E+00	1.96E-03	1.92E-04
3518	419322.8	3740151	1.93E-03	0.00E+00	1.93E-03	1.89E-04

3519	419318.2	3740142	1.91E-03	0.00E+00	1.91E-03	1.87E-04
3520	419313.6	3740133	1.88E-03	0.00E+00	1.88E-03	1.84E-04
3521	420323.5	3740837	4.25E-03	0.00E+00	4.25E-03	4.16E-04
3522	420332.8	3740833	4.34E-03	0.00E+00	4.34E-03	4.25E-04
3523	420342.2	3740830	4.43E-03	0.00E+00	4.43E-03	4.34E-04
3524	420351.5	3740827	4.52E-03	0.00E+00	4.52E-03	4.42E-04
3525	420360.9	3740823	4.60E-03	0.00E+00	4.60E-03	4.51E-04
3526	420370.2	3740820	4.69E-03	0.00E+00	4.69E-03	4.59E-04
3527	420379.6	3740817	4.77E-03	0.00E+00	4.77E-03	4.68E-04
3528	420388.9	3740813	4.86E-03	0.00E+00	4.86E-03	4.76E-04
3529	420398.3	3740810	4.94E-03	0.00E+00	4.94E-03	4.84E-04
3530	420407.6	3740807	5.02E-03	0.00E+00	5.02E-03	4.92E-04
3531	420417	3740803	5.10E-03	0.00E+00	5.10E-03	5.00E-04
3532	420426.3	3740800	5.18E-03	0.00E+00	5.18E-03	5.07E-04
3533	420435.7	3740797	5.25E-03	0.00E+00	5.25E-03	5.15E-04
3534	420445	3740793	5.33E-03	0.00E+00	5.33E-03	5.22E-04
3535	420454.4	3740790	5.40E-03	0.00E+00	5.40E-03	5.28E-04
3536	420463.7	3740787	5.46E-03	0.00E+00	5.46E-03	5.34E-04
3537	420327	3740873	3.90E-03	0.00E+00	3.90E-03	3.82E-04
3538	420317.2	3740872	3.86E-03	0.00E+00	3.86E-03	3.78E-04
3539	420307.4	3740870	3.82E-03	0.00E+00	3.82E-03	3.74E-04
3540	420297.6	3740869	3.78E-03	0.00E+00	3.78E-03	3.70E-04
3541	420287.7	3740868	3.74E-03	0.00E+00	3.74E-03	3.66E-04
3542	420277.9	3740866	3.70E-03	0.00E+00	3.70E-03	3.62E-04
3543	420268.1	3740865	3.65E-03	0.00E+00	3.65E-03	3.58E-04
3544	420258.2	3740864	3.61E-03	0.00E+00	3.61E-03	3.53E-04
3545	420218.9	3740858	3.43E-03	0.00E+00	3.43E-03	3.36E-04
3546	420209.1	3740857	3.39E-03	0.00E+00	3.39E-03	3.32E-04
3547	420199.3	3740856	3.35E-03	0.00E+00	3.35E-03	3.28E-04
3548	420189.4	3740854	3.30E-03	0.00E+00	3.30E-03	3.23E-04
3549	420179.6	3740853	3.26E-03	0.00E+00	3.26E-03	3.19E-04
3550	420169.8	3740852	3.22E-03	0.00E+00	3.22E-03	3.15E-04
3551	420159.9	3740850	3.17E-03	0.00E+00	3.17E-03	3.11E-04
3552	420150.1	3740849	3.13E-03	0.00E+00	3.13E-03	3.06E-04
3553	420140.3	3740848	3.09E-03	0.00E+00	3.09E-03	3.02E-04
3554	420130.5	3740846	3.04E-03	0.00E+00	3.04E-03	2.98E-04
3555	420120.6	3740845	3.00E-03	0.00E+00	3.00E-03	2.94E-04
3556	420110.8	3740844	2.96E-03	0.00E+00	2.96E-03	2.90E-04
3557	420101	3740842	2.92E-03	0.00E+00	2.92E-03	2.86E-04
3558	420091.1	3740841	2.88E-03	0.00E+00	2.88E-03	2.82E-04
3559	420081.3	3740840	2.84E-03	0.00E+00	2.84E-03	2.79E-04
3560	420071.5	3740838	2.81E-03	0.00E+00	2.81E-03	2.75E-04
3561	420061.6	3740837	2.77E-03	0.00E+00	2.77E-03	2.72E-04
3562	420051.8	3740836	2.74E-03	0.00E+00	2.74E-03	2.68E-04
3563	420042	3740834	2.71E-03	0.00E+00	2.71E-03	2.65E-04
3564	420032.2	3740833	2.68E-03	0.00E+00	2.68E-03	2.62E-04
3565	420022.3	3740831	2.65E-03	0.00E+00	2.65E-03	2.59E-04

3566	420012.5	3740830	2.62E-03	0.00E+00	2.62E-03	2.56E-04
3567	420002.7	3740829	2.59E-03	0.00E+00	2.59E-03	2.54E-04
3568	419992.8	3740827	2.56E-03	0.00E+00	2.56E-03	2.51E-04
3569	419983	3740826	2.54E-03	0.00E+00	2.54E-03	2.48E-04
3570	419973.2	3740825	2.51E-03	0.00E+00	2.51E-03	2.46E-04
3571	419963.4	3740823	2.49E-03	0.00E+00	2.49E-03	2.43E-04
3572	419953.5	3740822	2.46E-03	0.00E+00	2.46E-03	2.41E-04
3573	419943.7	3740821	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3574	419933.9	3740819	2.41E-03	0.00E+00	2.41E-03	2.36E-04
3575	419924	3740818	2.39E-03	0.00E+00	2.39E-03	2.34E-04
3576	419914.2	3740817	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3577	419904.4	3740815	2.34E-03	0.00E+00	2.34E-03	2.29E-04
3578	419894.5	3740814	2.32E-03	0.00E+00	2.32E-03	2.27E-04
3579	419884.7	3740813	2.30E-03	0.00E+00	2.30E-03	2.25E-04
3580	419874.9	3740811	2.28E-03	0.00E+00	2.28E-03	2.23E-04
3581	419865.1	3740810	2.26E-03	0.00E+00	2.26E-03	2.21E-04
3582	419855.2	3740809	2.24E-03	0.00E+00	2.24E-03	2.19E-04
3583	419845.4	3740807	2.22E-03	0.00E+00	2.22E-03	2.17E-04
3584	419835.6	3740806	2.20E-03	0.00E+00	2.20E-03	2.16E-04
3585	419825.7	3740805	2.19E-03	0.00E+00	2.19E-03	2.14E-04
3586	419815.9	3740803	2.17E-03	0.00E+00	2.17E-03	2.13E-04
3587	419806.1	3740802	2.15E-03	0.00E+00	2.15E-03	2.11E-04
3588	419796.2	3740801	2.14E-03	0.00E+00	2.14E-03	2.09E-04
3589	419747.1	3740794	2.05E-03	0.00E+00	2.05E-03	2.01E-04
3590	419737.3	3740793	2.03E-03	0.00E+00	2.03E-03	1.99E-04
3591	419727.4	3740791	2.02E-03	0.00E+00	2.02E-03	1.97E-04
3592	419717.6	3740790	2.00E-03	0.00E+00	2.00E-03	1.96E-04
3593	419707.8	3740789	1.98E-03	0.00E+00	1.98E-03	1.94E-04
3594	419698	3740787	1.97E-03	0.00E+00	1.97E-03	1.93E-04
3595	419688.1	3740786	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3596	419678.3	3740785	1.94E-03	0.00E+00	1.94E-03	1.90E-04
3597	419668.5	3740783	1.92E-03	0.00E+00	1.92E-03	1.88E-04
3598	419658.6	3740782	1.91E-03	0.00E+00	1.91E-03	1.87E-04
3599	419648.8	3740781	1.89E-03	0.00E+00	1.89E-03	1.85E-04
3600	419639	3740779	1.88E-03	0.00E+00	1.88E-03	1.84E-04
3601	419629.1	3740778	1.86E-03	0.00E+00	1.86E-03	1.83E-04
3602	419619.3	3740777	1.85E-03	0.00E+00	1.85E-03	1.81E-04
3603	419604.9	3740766	1.85E-03	0.00E+00	1.85E-03	1.82E-04
3604	419600.3	3740758	1.87E-03	0.00E+00	1.87E-03	1.83E-04
3605	419595.7	3740749	1.89E-03	0.00E+00	1.89E-03	1.85E-04
3606	419591.1	3740740	1.91E-03	0.00E+00	1.91E-03	1.87E-04
3607	419586.5	3740731	1.93E-03	0.00E+00	1.93E-03	1.89E-04
3608	419581.9	3740723	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3609	419577.3	3740714	1.97E-03	0.00E+00	1.97E-03	1.93E-04
3610	419572.7	3740705	1.99E-03	0.00E+00	1.99E-03	1.95E-04
3611	419568.1	3740696	2.01E-03	0.00E+00	2.01E-03	1.97E-04
3612	419563.5	3740687	2.03E-03	0.00E+00	2.03E-03	1.99E-04

3613	419558.9	3740679	2.05E-03	0.00E+00	2.05E-03	2.01E-04
3614	419554.3	3740670	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3615	419549.7	3740661	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3616	419545.1	3740652	2.11E-03	0.00E+00	2.11E-03	2.07E-04
3617	419540.5	3740643	2.14E-03	0.00E+00	2.14E-03	2.09E-04
3618	419535.9	3740635	2.16E-03	0.00E+00	2.16E-03	2.11E-04
3619	419531.3	3740626	2.18E-03	0.00E+00	2.18E-03	2.13E-04
3620	419526.7	3740617	2.20E-03	0.00E+00	2.20E-03	2.15E-04
3621	419522.1	3740608	2.22E-03	0.00E+00	2.22E-03	2.17E-04
3622	419503.7	3740573	2.29E-03	0.00E+00	2.29E-03	2.24E-04
3623	419499.1	3740564	2.31E-03	0.00E+00	2.31E-03	2.26E-04
3624	419494.5	3740556	2.33E-03	0.00E+00	2.33E-03	2.28E-04
3625	419489.9	3740547	2.35E-03	0.00E+00	2.35E-03	2.30E-04
3626	419485.3	3740538	2.36E-03	0.00E+00	2.36E-03	2.31E-04
3627	419480.7	3740529	2.38E-03	0.00E+00	2.38E-03	2.33E-04
3628	419476.1	3740520	2.39E-03	0.00E+00	2.39E-03	2.34E-04
3629	419471.5	3740512	2.40E-03	0.00E+00	2.40E-03	2.35E-04
3630	419466.9	3740503	2.41E-03	0.00E+00	2.41E-03	2.36E-04
3631	419462.3	3740494	2.42E-03	0.00E+00	2.42E-03	2.37E-04
3632	419457.7	3740485	2.43E-03	0.00E+00	2.43E-03	2.38E-04
3633	419453.1	3740476	2.43E-03	0.00E+00	2.43E-03	2.38E-04
3634	419448.5	3740468	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3635	419443.9	3740459	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3636	419439.3	3740450	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3637	419434.7	3740441	2.45E-03	0.00E+00	2.45E-03	2.39E-04
3638	419430.1	3740433	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3639	419425.5	3740424	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3640	419420.9	3740415	2.44E-03	0.00E+00	2.44E-03	2.39E-04
3641	419416.3	3740406	2.43E-03	0.00E+00	2.43E-03	2.38E-04
3642	419411.7	3740397	2.42E-03	0.00E+00	2.42E-03	2.37E-04
3643	419407.1	3740389	2.41E-03	0.00E+00	2.41E-03	2.36E-04
3644	419402.5	3740380	2.40E-03	0.00E+00	2.40E-03	2.35E-04
3645	419388.7	3740353	2.35E-03	0.00E+00	2.35E-03	2.30E-04
3646	419384.1	3740345	2.33E-03	0.00E+00	2.33E-03	2.28E-04
3647	419379.5	3740336	2.31E-03	0.00E+00	2.31E-03	2.26E-04
3648	419374.9	3740327	2.29E-03	0.00E+00	2.29E-03	2.24E-04
3649	419370.3	3740318	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3650	419365.7	3740309	2.25E-03	0.00E+00	2.25E-03	2.20E-04
3651	419361.1	3740301	2.22E-03	0.00E+00	2.22E-03	2.18E-04
3652	419356.5	3740292	2.20E-03	0.00E+00	2.20E-03	2.15E-04
3653	419351.9	3740283	2.17E-03	0.00E+00	2.17E-03	2.13E-04
3654	419347.3	3740274	2.14E-03	0.00E+00	2.14E-03	2.10E-04
3655	419342.7	3740266	2.12E-03	0.00E+00	2.12E-03	2.07E-04
3656	419338.1	3740257	2.09E-03	0.00E+00	2.09E-03	2.04E-04
3657	419333.5	3740248	2.06E-03	0.00E+00	2.06E-03	2.02E-04
3658	419328.9	3740239	2.03E-03	0.00E+00	2.03E-03	1.99E-04
3659	419324.3	3740230	2.00E-03	0.00E+00	2.00E-03	1.96E-04

3660	419319.7	3740222	1.97E-03	0.00E+00	1.97E-03	1.93E-04
3661	419315.1	3740213	1.95E-03	0.00E+00	1.95E-03	1.90E-04
3662	419310.5	3740204	1.92E-03	0.00E+00	1.92E-03	1.88E-04
3663	419305.9	3740195	1.89E-03	0.00E+00	1.89E-03	1.85E-04
3664	419301.3	3740186	1.87E-03	0.00E+00	1.87E-03	1.83E-04
3665	419296.7	3740178	1.85E-03	0.00E+00	1.85E-03	1.81E-04
3666	419292.1	3740169	1.82E-03	0.00E+00	1.82E-03	1.78E-04
3667	419287.5	3740160	1.80E-03	0.00E+00	1.80E-03	1.76E-04
3668	419282.9	3740151	1.78E-03	0.00E+00	1.78E-03	1.74E-04
3669	419278.3	3740142	1.75E-03	0.00E+00	1.75E-03	1.72E-04
3670	419273.7	3740134	1.73E-03	0.00E+00	1.73E-03	1.69E-04
3671	420336.9	3740874	3.94E-03	0.00E+00	3.94E-03	3.86E-04
3672	420346.2	3740871	4.02E-03	0.00E+00	4.02E-03	3.93E-04
3673	420355.6	3740868	4.09E-03	0.00E+00	4.09E-03	4.01E-04
3674	420364.9	3740864	4.17E-03	0.00E+00	4.17E-03	4.09E-04
3675	420374.3	3740861	4.25E-03	0.00E+00	4.25E-03	4.16E-04
3676	420383.6	3740858	4.33E-03	0.00E+00	4.33E-03	4.24E-04
3677	420393	3740854	4.40E-03	0.00E+00	4.40E-03	4.31E-04
3678	420402.3	3740851	4.47E-03	0.00E+00	4.47E-03	4.38E-04
3679	420411.7	3740848	4.55E-03	0.00E+00	4.55E-03	4.45E-04
3680	420421	3740844	4.62E-03	0.00E+00	4.62E-03	4.52E-04
3681	420430.4	3740841	4.68E-03	0.00E+00	4.68E-03	4.59E-04
3682	420439.7	3740838	4.75E-03	0.00E+00	4.75E-03	4.65E-04
3683	420449.1	3740834	4.82E-03	0.00E+00	4.82E-03	4.72E-04
3684	420458.4	3740831	4.88E-03	0.00E+00	4.88E-03	4.78E-04
3685	420467.8	3740828	4.94E-03	0.00E+00	4.94E-03	4.83E-04
3686	420477.1	3740824	4.99E-03	0.00E+00	4.99E-03	4.89E-04
3687	420340.5	3740911	3.63E-03	0.00E+00	3.63E-03	3.55E-04
3688	420330.7	3740909	3.59E-03	0.00E+00	3.59E-03	3.52E-04
3689	420320.9	3740908	3.56E-03	0.00E+00	3.56E-03	3.49E-04
3690	420311.1	3740907	3.52E-03	0.00E+00	3.52E-03	3.45E-04
3691	420301.3	3740905	3.49E-03	0.00E+00	3.49E-03	3.41E-04
3692	420291.5	3740904	3.45E-03	0.00E+00	3.45E-03	3.38E-04
3693	420281.7	3740903	3.41E-03	0.00E+00	3.41E-03	3.34E-04
3694	420271.9	3740901	3.37E-03	0.00E+00	3.37E-03	3.30E-04
3695	420262.1	3740900	3.33E-03	0.00E+00	3.33E-03	3.26E-04
3696	420252.3	3740899	3.29E-03	0.00E+00	3.29E-03	3.22E-04
3697	420223	3740895	3.18E-03	0.00E+00	3.18E-03	3.11E-04
3698	420213.2	3740893	3.14E-03	0.00E+00	3.14E-03	3.07E-04
3699	420203.4	3740892	3.10E-03	0.00E+00	3.10E-03	3.03E-04
3700	420193.6	3740891	3.06E-03	0.00E+00	3.06E-03	3.00E-04
3701	420183.8	3740889	3.02E-03	0.00E+00	3.02E-03	2.96E-04
3702	420174	3740888	2.98E-03	0.00E+00	2.98E-03	2.92E-04
3703	420164.2	3740887	2.94E-03	0.00E+00	2.94E-03	2.88E-04
3704	420154.4	3740885	2.91E-03	0.00E+00	2.91E-03	2.85E-04
3705	420144.6	3740884	2.87E-03	0.00E+00	2.87E-03	2.81E-04
3706	420134.8	3740883	2.83E-03	0.00E+00	2.83E-03	2.77E-04

3707	420125.1	3740881	2.79E-03	0.00E+00	2.79E-03	2.73E-04
3708	420115.3	3740880	2.76E-03	0.00E+00	2.76E-03	2.70E-04
3709	420105.5	3740879	2.72E-03	0.00E+00	2.72E-03	2.66E-04
3710	420095.7	3740877	2.68E-03	0.00E+00	2.68E-03	2.63E-04
3711	420085.9	3740876	2.65E-03	0.00E+00	2.65E-03	2.59E-04
3712	420076.1	3740875	2.62E-03	0.00E+00	2.62E-03	2.56E-04
3713	420066.3	3740873	2.59E-03	0.00E+00	2.59E-03	2.53E-04
3714	420056.5	3740872	2.55E-03	0.00E+00	2.55E-03	2.50E-04
3715	420046.7	3740871	2.53E-03	0.00E+00	2.53E-03	2.47E-04
3716	420036.9	3740869	2.50E-03	0.00E+00	2.50E-03	2.45E-04
3717	420027.1	3740868	2.47E-03	0.00E+00	2.47E-03	2.42E-04
3718	420017.3	3740867	2.45E-03	0.00E+00	2.45E-03	2.40E-04
3719	420007.6	3740865	2.42E-03	0.00E+00	2.42E-03	2.37E-04
3720	419997.8	3740864	2.40E-03	0.00E+00	2.40E-03	2.35E-04
3721	419988	3740863	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3722	419978.2	3740861	2.35E-03	0.00E+00	2.35E-03	2.30E-04
3723	419968.4	3740860	2.33E-03	0.00E+00	2.33E-03	2.28E-04
3724	419958.6	3740859	2.31E-03	0.00E+00	2.31E-03	2.26E-04
3725	419948.8	3740857	2.28E-03	0.00E+00	2.28E-03	2.24E-04
3726	419939	3740856	2.26E-03	0.00E+00	2.26E-03	2.22E-04
3727	419929.2	3740855	2.24E-03	0.00E+00	2.24E-03	2.20E-04
3728	419919.4	3740853	2.22E-03	0.00E+00	2.22E-03	2.18E-04
3729	419909.6	3740852	2.20E-03	0.00E+00	2.20E-03	2.16E-04
3730	419899.8	3740851	2.18E-03	0.00E+00	2.18E-03	2.14E-04
3731	419890.1	3740849	2.16E-03	0.00E+00	2.16E-03	2.12E-04
3732	419880.3	3740848	2.14E-03	0.00E+00	2.14E-03	2.10E-04
3733	419870.5	3740847	2.12E-03	0.00E+00	2.12E-03	2.08E-04
3734	419860.7	3740845	2.11E-03	0.00E+00	2.11E-03	2.06E-04
3735	419850.9	3740844	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3736	419841.1	3740843	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3737	419831.3	3740841	2.06E-03	0.00E+00	2.06E-03	2.01E-04
3738	419821.5	3740840	2.04E-03	0.00E+00	2.04E-03	2.00E-04
3739	419811.7	3740839	2.03E-03	0.00E+00	2.03E-03	1.99E-04
3740	419801.9	3740837	2.01E-03	0.00E+00	2.01E-03	1.97E-04
3741	419792.1	3740836	2.00E-03	0.00E+00	2.00E-03	1.96E-04
3742	419577.3	3740791	1.73E-03	0.00E+00	1.73E-03	1.70E-04
3743	419572.8	3740782	1.75E-03	0.00E+00	1.75E-03	1.71E-04
3744	419568.2	3740773	1.77E-03	0.00E+00	1.77E-03	1.73E-04
3745	419563.6	3740764	1.79E-03	0.00E+00	1.79E-03	1.75E-04
3746	419559	3740755	1.80E-03	0.00E+00	1.80E-03	1.77E-04
3747	419554.4	3740747	1.82E-03	0.00E+00	1.82E-03	1.78E-04
3748	419549.8	3740738	1.84E-03	0.00E+00	1.84E-03	1.80E-04
3749	419545.3	3740729	1.86E-03	0.00E+00	1.86E-03	1.82E-04
3750	419540.7	3740720	1.88E-03	0.00E+00	1.88E-03	1.84E-04
3751	419536.1	3740712	1.90E-03	0.00E+00	1.90E-03	1.86E-04
3752	419531.5	3740703	1.91E-03	0.00E+00	1.91E-03	1.87E-04
3753	419526.9	3740694	1.93E-03	0.00E+00	1.93E-03	1.89E-04

3754	419522.4	3740685	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3755	419517.8	3740677	1.97E-03	0.00E+00	1.97E-03	1.93E-04
3756	419513.2	3740668	1.99E-03	0.00E+00	1.99E-03	1.95E-04
3757	419508.6	3740659	2.01E-03	0.00E+00	2.01E-03	1.96E-04
3758	419504	3740650	2.02E-03	0.00E+00	2.02E-03	1.98E-04
3759	419499.4	3740642	2.04E-03	0.00E+00	2.04E-03	2.00E-04
3760	419494.9	3740633	2.06E-03	0.00E+00	2.06E-03	2.02E-04
3761	419490.3	3740624	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3762	419485.7	3740615	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3763	419481.1	3740607	2.11E-03	0.00E+00	2.11E-03	2.06E-04
3764	419462.8	3740572	2.17E-03	0.00E+00	2.17E-03	2.13E-04
3765	419458.2	3740563	2.19E-03	0.00E+00	2.19E-03	2.14E-04
3766	419453.6	3740554	2.20E-03	0.00E+00	2.20E-03	2.16E-04
3767	419449	3740545	2.21E-03	0.00E+00	2.21E-03	2.17E-04
3768	419444.5	3740537	2.22E-03	0.00E+00	2.22E-03	2.18E-04
3769	419439.9	3740528	2.23E-03	0.00E+00	2.23E-03	2.18E-04
3770	419435.3	3740519	2.24E-03	0.00E+00	2.24E-03	2.19E-04
3771	419430.7	3740510	2.25E-03	0.00E+00	2.25E-03	2.20E-04
3772	419426.1	3740502	2.25E-03	0.00E+00	2.25E-03	2.21E-04
3773	419421.5	3740493	2.26E-03	0.00E+00	2.26E-03	2.21E-04
3774	419417	3740484	2.26E-03	0.00E+00	2.26E-03	2.22E-04
3775	419412.4	3740475	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3776	419407.8	3740467	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3777	419403.2	3740458	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3778	419398.6	3740449	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3779	419394	3740440	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3780	419389.5	3740432	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3781	419384.9	3740423	2.26E-03	0.00E+00	2.26E-03	2.21E-04
3782	419380.3	3740414	2.25E-03	0.00E+00	2.25E-03	2.21E-04
3783	419375.7	3740405	2.24E-03	0.00E+00	2.24E-03	2.20E-04
3784	419371.1	3740397	2.23E-03	0.00E+00	2.23E-03	2.19E-04
3785	419352.8	3740361	2.18E-03	0.00E+00	2.18E-03	2.13E-04
3786	419348.2	3740353	2.16E-03	0.00E+00	2.16E-03	2.11E-04
3787	419343.6	3740344	2.14E-03	0.00E+00	2.14E-03	2.10E-04
3788	419339.1	3740335	2.12E-03	0.00E+00	2.12E-03	2.08E-04
3789	419334.5	3740326	2.10E-03	0.00E+00	2.10E-03	2.06E-04
3790	419329.9	3740318	2.08E-03	0.00E+00	2.08E-03	2.03E-04
3791	419325.3	3740309	2.06E-03	0.00E+00	2.06E-03	2.01E-04
3792	419320.7	3740300	2.03E-03	0.00E+00	2.03E-03	1.99E-04
3793	419316.2	3740291	2.01E-03	0.00E+00	2.01E-03	1.97E-04
3794	419311.6	3740283	1.98E-03	0.00E+00	1.98E-03	1.94E-04
3795	419307	3740274	1.96E-03	0.00E+00	1.96E-03	1.92E-04
3796	419302.4	3740265	1.93E-03	0.00E+00	1.93E-03	1.89E-04
3797	419297.8	3740256	1.91E-03	0.00E+00	1.91E-03	1.87E-04
3798	419293.2	3740248	1.88E-03	0.00E+00	1.88E-03	1.84E-04
3799	419288.7	3740239	1.86E-03	0.00E+00	1.86E-03	1.82E-04
3800	419284.1	3740230	1.83E-03	0.00E+00	1.83E-03	1.79E-04

3801	419279.5	3740221	1.80E-03	0.00E+00	1.80E-03	1.77E-04
3802	419274.9	3740213	1.78E-03	0.00E+00	1.78E-03	1.75E-04
3803	419270.3	3740204	1.76E-03	0.00E+00	1.76E-03	1.72E-04
3804	419265.7	3740195	1.74E-03	0.00E+00	1.74E-03	1.70E-04
3805	419261.2	3740186	1.72E-03	0.00E+00	1.72E-03	1.68E-04
3806	419256.6	3740178	1.70E-03	0.00E+00	1.70E-03	1.66E-04
3807	419252	3740169	1.68E-03	0.00E+00	1.68E-03	1.64E-04
3808	419247.4	3740160	1.66E-03	0.00E+00	1.66E-03	1.62E-04
3809	419242.8	3740151	1.64E-03	0.00E+00	1.64E-03	1.60E-04
3810	419238.3	3740143	1.62E-03	0.00E+00	1.62E-03	1.58E-04
3811	419233.7	3740134	1.59E-03	0.00E+00	1.59E-03	1.56E-04
3812	420350.3	3740912	3.66E-03	0.00E+00	3.66E-03	3.59E-04
3813	420359.6	3740909	3.73E-03	0.00E+00	3.73E-03	3.65E-04
3814	420369	3740905	3.80E-03	0.00E+00	3.80E-03	3.72E-04
3815	420378.3	3740902	3.87E-03	0.00E+00	3.87E-03	3.79E-04
3816	420387.7	3740899	3.94E-03	0.00E+00	3.94E-03	3.86E-04
3817	420397	3740895	4.01E-03	0.00E+00	4.01E-03	3.92E-04
3818	420406.4	3740892	4.07E-03	0.00E+00	4.07E-03	3.99E-04
3819	420415.7	3740889	4.14E-03	0.00E+00	4.14E-03	4.05E-04
3820	420425.1	3740885	4.20E-03	0.00E+00	4.20E-03	4.11E-04
3821	420434.4	3740882	4.26E-03	0.00E+00	4.26E-03	4.17E-04
3822	420443.8	3740879	4.32E-03	0.00E+00	4.32E-03	4.23E-04
3823	420453.1	3740875	4.38E-03	0.00E+00	4.38E-03	4.29E-04
3824	420462.5	3740872	4.44E-03	0.00E+00	4.44E-03	4.34E-04
3825	420471.8	3740869	4.49E-03	0.00E+00	4.49E-03	4.40E-04
3826	420481.2	3740866	4.55E-03	0.00E+00	4.55E-03	4.45E-04
3827	420490.5	3740862	4.60E-03	0.00E+00	4.60E-03	4.50E-04
3828	420353.9	3740948	3.38E-03	0.00E+00	3.38E-03	3.31E-04
3829	420344.1	3740947	3.35E-03	0.00E+00	3.35E-03	3.28E-04
3830	420334.4	3740946	3.32E-03	0.00E+00	3.32E-03	3.25E-04
3831	420324.6	3740944	3.29E-03	0.00E+00	3.29E-03	3.22E-04
3832	420314.9	3740943	3.26E-03	0.00E+00	3.26E-03	3.19E-04
3833	420305.1	3740942	3.23E-03	0.00E+00	3.23E-03	3.16E-04
3834	420295.4	3740940	3.19E-03	0.00E+00	3.19E-03	3.13E-04
3835	420285.6	3740939	3.16E-03	0.00E+00	3.16E-03	3.09E-04
3836	420275.8	3740938	3.12E-03	0.00E+00	3.12E-03	3.06E-04
3837	420266.1	3740936	3.09E-03	0.00E+00	3.09E-03	3.03E-04
3838	420256.3	3740935	3.05E-03	0.00E+00	3.05E-03	2.99E-04
3839	420217.3	3740930	2.91E-03	0.00E+00	2.91E-03	2.85E-04
3840	420207.5	3740928	2.88E-03	0.00E+00	2.88E-03	2.82E-04
3841	420197.8	3740927	2.85E-03	0.00E+00	2.85E-03	2.79E-04
3842	420188	3740926	2.81E-03	0.00E+00	2.81E-03	2.75E-04
3843	420178.3	3740924	2.78E-03	0.00E+00	2.78E-03	2.72E-04
3844	420168.5	3740923	2.74E-03	0.00E+00	2.74E-03	2.68E-04
3845	420158.7	3740922	2.71E-03	0.00E+00	2.71E-03	2.65E-04
3846	420149	3740920	2.67E-03	0.00E+00	2.67E-03	2.62E-04
3847	420139.2	3740919	2.64E-03	0.00E+00	2.64E-03	2.59E-04

3848	420129.5	3740918	2.61E-03	0.00E+00	2.61E-03	2.55E-04
3849	420119.7	3740916	2.57E-03	0.00E+00	2.57E-03	2.52E-04
3850	420110	3740915	2.54E-03	0.00E+00	2.54E-03	2.49E-04
3851	420100.2	3740914	2.51E-03	0.00E+00	2.51E-03	2.46E-04
3852	420090.4	3740913	2.48E-03	0.00E+00	2.48E-03	2.43E-04
3853	420080.7	3740911	2.45E-03	0.00E+00	2.45E-03	2.40E-04
3854	420070.9	3740910	2.42E-03	0.00E+00	2.42E-03	2.37E-04
3855	420061.2	3740909	2.39E-03	0.00E+00	2.39E-03	2.34E-04
3856	420051.4	3740907	2.37E-03	0.00E+00	2.37E-03	2.32E-04
3857	420041.7	3740906	2.34E-03	0.00E+00	2.34E-03	2.29E-04
3858	420031.9	3740905	2.32E-03	0.00E+00	2.32E-03	2.27E-04
3859	420022.1	3740903	2.29E-03	0.00E+00	2.29E-03	2.25E-04
3860	420012.4	3740902	2.27E-03	0.00E+00	2.27E-03	2.22E-04
3861	420002.6	3740901	2.25E-03	0.00E+00	2.25E-03	2.20E-04
3862	419992.9	3740899	2.23E-03	0.00E+00	2.23E-03	2.18E-04
3863	419983.1	3740898	2.21E-03	0.00E+00	2.21E-03	2.16E-04
3864	419973.3	3740897	2.19E-03	0.00E+00	2.19E-03	2.14E-04
3865	419963.6	3740895	2.17E-03	0.00E+00	2.17E-03	2.12E-04
3866	419953.8	3740894	2.15E-03	0.00E+00	2.15E-03	2.10E-04
3867	419944.1	3740893	2.13E-03	0.00E+00	2.13E-03	2.08E-04
3868	419934.3	3740891	2.11E-03	0.00E+00	2.11E-03	2.07E-04
3869	419924.6	3740890	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3870	419914.8	3740889	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3871	419905	3740887	2.06E-03	0.00E+00	2.06E-03	2.01E-04
3872	419895.3	3740886	2.04E-03	0.00E+00	2.04E-03	2.00E-04
3873	419885.5	3740885	2.02E-03	0.00E+00	2.02E-03	1.98E-04
3874	419875.8	3740883	2.00E-03	0.00E+00	2.00E-03	1.96E-04
3875	419866	3740882	1.99E-03	0.00E+00	1.99E-03	1.95E-04
3876	419856.3	3740881	1.97E-03	0.00E+00	1.97E-03	1.93E-04
3877	419846.5	3740879	1.96E-03	0.00E+00	1.96E-03	1.92E-04
3878	419788	3740871	1.87E-03	0.00E+00	1.87E-03	1.83E-04
3879	419778.2	3740870	1.86E-03	0.00E+00	1.86E-03	1.82E-04
3880	419729.4	3740863	1.78E-03	0.00E+00	1.78E-03	1.75E-04
3881	419719.6	3740862	1.77E-03	0.00E+00	1.77E-03	1.73E-04
3882	419709.9	3740861	1.76E-03	0.00E+00	1.76E-03	1.72E-04
3883	419700.1	3740859	1.75E-03	0.00E+00	1.75E-03	1.71E-04
3884	419690.4	3740858	1.73E-03	0.00E+00	1.73E-03	1.70E-04
3885	419680.6	3740857	1.72E-03	0.00E+00	1.72E-03	1.69E-04
3886	419670.9	3740855	1.71E-03	0.00E+00	1.71E-03	1.67E-04
3887	419661.1	3740854	1.70E-03	0.00E+00	1.70E-03	1.66E-04
3888	419651.3	3740853	1.68E-03	0.00E+00	1.68E-03	1.65E-04
3889	419641.6	3740851	1.67E-03	0.00E+00	1.67E-03	1.64E-04
3890	419631.8	3740850	1.66E-03	0.00E+00	1.66E-03	1.62E-04
3891	419622.1	3740849	1.65E-03	0.00E+00	1.65E-03	1.61E-04
3892	419612.3	3740847	1.64E-03	0.00E+00	1.64E-03	1.60E-04
3893	419602.6	3740846	1.62E-03	0.00E+00	1.62E-03	1.59E-04
3894	419592.8	3740845	1.61E-03	0.00E+00	1.61E-03	1.58E-04

3895	419583	3740843	1.60E-03	0.00E+00	1.60E-03	1.57E-04
3896	419573.3	3740842	1.59E-03	0.00E+00	1.59E-03	1.56E-04
3897	419559	3740832	1.60E-03	0.00E+00	1.60E-03	1.56E-04
3898	419554.4	3740823	1.61E-03	0.00E+00	1.61E-03	1.58E-04
3899	419536.1	3740788	1.67E-03	0.00E+00	1.67E-03	1.64E-04
3900	419531.6	3740780	1.69E-03	0.00E+00	1.69E-03	1.65E-04
3901	419527	3740771	1.71E-03	0.00E+00	1.71E-03	1.67E-04
3902	419522.4	3740762	1.72E-03	0.00E+00	1.72E-03	1.69E-04
3903	419517.9	3740754	1.74E-03	0.00E+00	1.74E-03	1.70E-04
3904	419513.3	3740745	1.75E-03	0.00E+00	1.75E-03	1.72E-04
3905	419508.7	3740736	1.77E-03	0.00E+00	1.77E-03	1.73E-04
3906	419504.2	3740727	1.79E-03	0.00E+00	1.79E-03	1.75E-04
3907	419499.6	3740719	1.80E-03	0.00E+00	1.80E-03	1.76E-04
3908	419495	3740710	1.82E-03	0.00E+00	1.82E-03	1.78E-04
3909	419490.5	3740701	1.83E-03	0.00E+00	1.83E-03	1.80E-04
3910	419485.9	3740692	1.85E-03	0.00E+00	1.85E-03	1.81E-04
3911	419481.3	3740684	1.87E-03	0.00E+00	1.87E-03	1.83E-04
3912	419476.8	3740675	1.89E-03	0.00E+00	1.89E-03	1.85E-04
3913	419472.2	3740666	1.90E-03	0.00E+00	1.90E-03	1.86E-04
3914	419467.6	3740658	1.92E-03	0.00E+00	1.92E-03	1.88E-04
3915	419463.1	3740649	1.93E-03	0.00E+00	1.93E-03	1.89E-04
3916	419458.5	3740640	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3917	419453.9	3740631	1.96E-03	0.00E+00	1.96E-03	1.92E-04
3918	419449.4	3740623	1.98E-03	0.00E+00	1.98E-03	1.94E-04
3919	419444.8	3740614	1.99E-03	0.00E+00	1.99E-03	1.95E-04
3920	419440.2	3740605	2.01E-03	0.00E+00	2.01E-03	1.97E-04
3921	419422	3740570	2.06E-03	0.00E+00	2.06E-03	2.01E-04
3922	419417.4	3740562	2.07E-03	0.00E+00	2.07E-03	2.02E-04
3923	419412.8	3740553	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3924	419408.3	3740544	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3925	419403.7	3740535	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3926	419399.1	3740527	2.10E-03	0.00E+00	2.10E-03	2.05E-04
3927	419394.6	3740518	2.10E-03	0.00E+00	2.10E-03	2.06E-04
3928	419390	3740509	2.11E-03	0.00E+00	2.11E-03	2.06E-04
3929	419385.4	3740500	2.11E-03	0.00E+00	2.11E-03	2.07E-04
3930	419380.9	3740492	2.12E-03	0.00E+00	2.12E-03	2.07E-04
3931	419376.3	3740483	2.12E-03	0.00E+00	2.12E-03	2.07E-04
3932	419371.7	3740474	2.12E-03	0.00E+00	2.12E-03	2.08E-04
3933	419367.2	3740466	2.12E-03	0.00E+00	2.12E-03	2.07E-04
3934	419362.6	3740457	2.12E-03	0.00E+00	2.12E-03	2.07E-04
3935	419358	3740448	2.11E-03	0.00E+00	2.11E-03	2.07E-04
3936	419353.5	3740439	2.11E-03	0.00E+00	2.11E-03	2.06E-04
3937	419348.9	3740431	2.10E-03	0.00E+00	2.10E-03	2.06E-04
3938	419344.3	3740422	2.09E-03	0.00E+00	2.09E-03	2.05E-04
3939	419339.8	3740413	2.08E-03	0.00E+00	2.08E-03	2.04E-04
3940	419335.2	3740405	2.07E-03	0.00E+00	2.07E-03	2.03E-04
3941	419321.5	3740378	2.04E-03	0.00E+00	2.04E-03	1.99E-04

3942	419316.9	3740370	2.02E-03	0.00E+00	2.02E-03	1.98E-04
3943	419312.4	3740361	2.00E-03	0.00E+00	2.00E-03	1.96E-04
3944	419307.8	3740352	1.99E-03	0.00E+00	1.99E-03	1.95E-04
3945	419303.2	3740343	1.97E-03	0.00E+00	1.97E-03	1.93E-04
3946	419298.7	3740335	1.95E-03	0.00E+00	1.95E-03	1.91E-04
3947	419294.1	3740326	1.93E-03	0.00E+00	1.93E-03	1.89E-04
3948	419289.5	3740317	1.91E-03	0.00E+00	1.91E-03	1.87E-04
3949	419285	3740309	1.89E-03	0.00E+00	1.89E-03	1.85E-04
3950	419280.4	3740300	1.86E-03	0.00E+00	1.86E-03	1.82E-04
3951	419275.8	3740291	1.84E-03	0.00E+00	1.84E-03	1.80E-04
3952	419271.3	3740282	1.82E-03	0.00E+00	1.82E-03	1.78E-04
3953	419266.7	3740274	1.80E-03	0.00E+00	1.80E-03	1.76E-04
3954	419262.1	3740265	1.78E-03	0.00E+00	1.78E-03	1.74E-04
3955	419257.6	3740256	1.75E-03	0.00E+00	1.75E-03	1.72E-04
3956	419253	3740247	1.73E-03	0.00E+00	1.73E-03	1.70E-04
3957	419248.5	3740239	1.71E-03	0.00E+00	1.71E-03	1.68E-04
3958	419243.9	3740230	1.69E-03	0.00E+00	1.69E-03	1.66E-04
3959	419239.3	3740221	1.67E-03	0.00E+00	1.67E-03	1.64E-04
3960	419234.8	3740213	1.65E-03	0.00E+00	1.65E-03	1.62E-04
3961	419230.2	3740204	1.63E-03	0.00E+00	1.63E-03	1.60E-04
3962	419225.6	3740195	1.61E-03	0.00E+00	1.61E-03	1.58E-04
3963	419221.1	3740186	1.59E-03	0.00E+00	1.59E-03	1.56E-04
3964	419216.5	3740178	1.57E-03	0.00E+00	1.57E-03	1.54E-04
3965	419211.9	3740169	1.55E-03	0.00E+00	1.55E-03	1.52E-04
3966	419207.4	3740160	1.53E-03	0.00E+00	1.53E-03	1.50E-04
3967	419202.8	3740151	1.51E-03	0.00E+00	1.51E-03	1.48E-04
3968	419198.2	3740143	1.49E-03	0.00E+00	1.49E-03	1.46E-04
3969	419193.7	3740134	1.48E-03	0.00E+00	1.48E-03	1.45E-04
3970	420363.7	3740950	3.41E-03	0.00E+00	3.41E-03	3.34E-04
3971	420373	3740946	3.48E-03	0.00E+00	3.48E-03	3.40E-04
3972	420382.4	3740943	3.54E-03	0.00E+00	3.54E-03	3.47E-04
3973	420391.7	3740940	3.60E-03	0.00E+00	3.60E-03	3.53E-04
3974	420401.1	3740936	3.66E-03	0.00E+00	3.66E-03	3.59E-04
3975	420410.4	3740933	3.72E-03	0.00E+00	3.72E-03	3.64E-04
3976	420419.8	3740930	3.78E-03	0.00E+00	3.78E-03	3.70E-04
3977	420429.1	3740926	3.84E-03	0.00E+00	3.84E-03	3.76E-04
3978	420438.5	3740923	3.89E-03	0.00E+00	3.89E-03	3.81E-04
3979	420447.8	3740920	3.94E-03	0.00E+00	3.94E-03	3.86E-04
3980	420457.2	3740916	4.00E-03	0.00E+00	4.00E-03	3.92E-04
3981	420466.5	3740913	4.05E-03	0.00E+00	4.05E-03	3.97E-04
3982	420475.8	3740910	4.11E-03	0.00E+00	4.11E-03	4.02E-04
3983	420485.2	3740907	4.16E-03	0.00E+00	4.16E-03	4.07E-04
3984	420494.5	3740903	4.20E-03	0.00E+00	4.20E-03	4.12E-04
3985	420503.9	3740900	4.25E-03	0.00E+00	4.25E-03	4.16E-04
3986	420367.3	3740986	3.16E-03	0.00E+00	3.16E-03	3.09E-04
3987	420357.6	3740985	3.13E-03	0.00E+00	3.13E-03	3.07E-04
3988	420347.9	3740983	3.11E-03	0.00E+00	3.11E-03	3.04E-04

3989	420338.1	3740982	3.08E-03	0.00E+00	3.08E-03	3.01E-04
3990	420328.4	3740981	3.05E-03	0.00E+00	3.05E-03	2.99E-04
3991	420318.7	3740979	3.02E-03	0.00E+00	3.02E-03	2.96E-04
3992	420309	3740978	2.99E-03	0.00E+00	2.99E-03	2.93E-04
3993	420299.2	3740977	2.96E-03	0.00E+00	2.96E-03	2.90E-04
3994	420289.5	3740975	2.93E-03	0.00E+00	2.93E-03	2.87E-04
3995	420279.8	3740974	2.90E-03	0.00E+00	2.90E-03	2.84E-04
3996	420270.1	3740973	2.87E-03	0.00E+00	2.87E-03	2.81E-04
3997	420260.3	3740972	2.84E-03	0.00E+00	2.84E-03	2.78E-04
3998	420221.4	3740966	2.72E-03	0.00E+00	2.72E-03	2.66E-04
3999	420211.7	3740965	2.68E-03	0.00E+00	2.68E-03	2.63E-04
4000	420202	3740964	2.65E-03	0.00E+00	2.65E-03	2.60E-04
4001	420192.2	3740962	2.62E-03	0.00E+00	2.62E-03	2.57E-04
4002	420182.5	3740961	2.59E-03	0.00E+00	2.59E-03	2.54E-04
4003	420172.8	3740960	2.56E-03	0.00E+00	2.56E-03	2.51E-04
4004	420163.1	3740958	2.53E-03	0.00E+00	2.53E-03	2.48E-04
4005	420153.3	3740957	2.50E-03	0.00E+00	2.50E-03	2.45E-04
4006	420143.6	3740956	2.47E-03	0.00E+00	2.47E-03	2.42E-04
4007	420133.9	3740954	2.44E-03	0.00E+00	2.44E-03	2.39E-04
4008	420124.2	3740953	2.41E-03	0.00E+00	2.41E-03	2.36E-04
4009	420114.4	3740952	2.38E-03	0.00E+00	2.38E-03	2.33E-04
4010	420104.7	3740950	2.35E-03	0.00E+00	2.35E-03	2.31E-04
4011	420095	3740949	2.33E-03	0.00E+00	2.33E-03	2.28E-04
4012	420085.2	3740948	2.30E-03	0.00E+00	2.30E-03	2.25E-04
4013	420075.5	3740946	2.27E-03	0.00E+00	2.27E-03	2.23E-04
4014	420065.8	3740945	2.25E-03	0.00E+00	2.25E-03	2.20E-04
4015	420056.1	3740944	2.23E-03	0.00E+00	2.23E-03	2.18E-04
4016	420046.3	3740942	2.20E-03	0.00E+00	2.20E-03	2.16E-04
4017	420036.6	3740941	2.18E-03	0.00E+00	2.18E-03	2.14E-04
4018	420026.9	3740940	2.16E-03	0.00E+00	2.16E-03	2.11E-04
4019	420017.2	3740938	2.14E-03	0.00E+00	2.14E-03	2.09E-04
4020	420007.4	3740937	2.12E-03	0.00E+00	2.12E-03	2.07E-04
4021	419997.7	3740936	2.10E-03	0.00E+00	2.10E-03	2.05E-04
4022	419988	3740934	2.08E-03	0.00E+00	2.08E-03	2.03E-04
4023	419978.3	3740933	2.06E-03	0.00E+00	2.06E-03	2.02E-04
4024	419968.5	3740932	2.04E-03	0.00E+00	2.04E-03	2.00E-04
4025	419958.8	3740930	2.02E-03	0.00E+00	2.02E-03	1.98E-04
4026	419949.1	3740929	2.01E-03	0.00E+00	2.01E-03	1.96E-04
4027	419939.3	3740928	1.99E-03	0.00E+00	1.99E-03	1.95E-04
4028	419929.6	3740926	1.97E-03	0.00E+00	1.97E-03	1.93E-04
4029	419919.9	3740925	1.96E-03	0.00E+00	1.96E-03	1.92E-04
4030	419910.2	3740924	1.94E-03	0.00E+00	1.94E-03	1.90E-04
4031	419900.4	3740923	1.92E-03	0.00E+00	1.92E-03	1.88E-04
4032	419890.7	3740921	1.91E-03	0.00E+00	1.91E-03	1.87E-04
4033	419881	3740920	1.89E-03	0.00E+00	1.89E-03	1.85E-04
4034	419832.3	3740913	1.82E-03	0.00E+00	1.82E-03	1.79E-04
4035	419822.6	3740912	1.81E-03	0.00E+00	1.81E-03	1.77E-04

4036	419812.9	3740911	1.80E-03	0.00E+00	1.80E-03	1.76E-04
4037	419803.2	3740909	1.78E-03	0.00E+00	1.78E-03	1.75E-04
4038	419793.4	3740908	1.77E-03	0.00E+00	1.77E-03	1.73E-04
4039	419783.7	3740907	1.76E-03	0.00E+00	1.76E-03	1.72E-04
4040	419774	3740905	1.75E-03	0.00E+00	1.75E-03	1.71E-04
4041	419764.3	3740904	1.73E-03	0.00E+00	1.73E-03	1.70E-04
4042	419725.4	3740899	1.68E-03	0.00E+00	1.68E-03	1.65E-04
4043	419715.6	3740897	1.67E-03	0.00E+00	1.67E-03	1.63E-04
4044	419705.9	3740896	1.66E-03	0.00E+00	1.66E-03	1.62E-04
4045	419696.2	3740895	1.65E-03	0.00E+00	1.65E-03	1.61E-04
4046	419686.4	3740893	1.63E-03	0.00E+00	1.63E-03	1.60E-04
4047	419676.7	3740892	1.62E-03	0.00E+00	1.62E-03	1.59E-04
4048	419667	3740891	1.61E-03	0.00E+00	1.61E-03	1.58E-04
4049	419657.3	3740889	1.60E-03	0.00E+00	1.60E-03	1.57E-04
4050	419647.5	3740888	1.59E-03	0.00E+00	1.59E-03	1.56E-04
4051	419637.8	3740887	1.58E-03	0.00E+00	1.58E-03	1.55E-04
4052	419628.1	3740885	1.57E-03	0.00E+00	1.57E-03	1.53E-04
4053	419618.4	3740884	1.55E-03	0.00E+00	1.55E-03	1.52E-04
4054	419608.6	3740883	1.54E-03	0.00E+00	1.54E-03	1.51E-04
4055	419598.9	3740881	1.53E-03	0.00E+00	1.53E-03	1.50E-04
4056	419589.2	3740880	1.52E-03	0.00E+00	1.52E-03	1.49E-04
4057	419579.5	3740879	1.51E-03	0.00E+00	1.51E-03	1.48E-04
4058	419569.7	3740877	1.50E-03	0.00E+00	1.50E-03	1.47E-04
4059	419560	3740876	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4060	419550.3	3740875	1.48E-03	0.00E+00	1.48E-03	1.45E-04
4061	419536	3740865	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4062	419531.4	3740856	1.50E-03	0.00E+00	1.50E-03	1.47E-04
4063	419526.9	3740847	1.51E-03	0.00E+00	1.51E-03	1.48E-04
4064	419522.3	3740839	1.53E-03	0.00E+00	1.53E-03	1.50E-04
4065	419517.8	3740830	1.54E-03	0.00E+00	1.54E-03	1.51E-04
4066	419513.2	3740821	1.56E-03	0.00E+00	1.56E-03	1.53E-04
4067	419495	3740787	1.62E-03	0.00E+00	1.62E-03	1.58E-04
4068	419490.5	3740778	1.63E-03	0.00E+00	1.63E-03	1.60E-04
4069	419485.9	3740769	1.64E-03	0.00E+00	1.64E-03	1.61E-04
4070	419481.4	3740760	1.66E-03	0.00E+00	1.66E-03	1.62E-04
4071	419476.8	3740752	1.67E-03	0.00E+00	1.67E-03	1.64E-04
4072	419472.3	3740743	1.69E-03	0.00E+00	1.69E-03	1.65E-04
4073	419467.7	3740734	1.70E-03	0.00E+00	1.70E-03	1.67E-04
4074	419463.2	3740726	1.72E-03	0.00E+00	1.72E-03	1.68E-04
4075	419458.6	3740717	1.73E-03	0.00E+00	1.73E-03	1.70E-04
4076	419454.1	3740708	1.75E-03	0.00E+00	1.75E-03	1.71E-04
4077	419449.5	3740700	1.76E-03	0.00E+00	1.76E-03	1.73E-04
4078	419445	3740691	1.78E-03	0.00E+00	1.78E-03	1.74E-04
4079	419440.4	3740682	1.79E-03	0.00E+00	1.79E-03	1.76E-04
4080	419435.9	3740673	1.81E-03	0.00E+00	1.81E-03	1.77E-04
4081	419431.3	3740665	1.82E-03	0.00E+00	1.82E-03	1.78E-04
4082	419426.8	3740656	1.83E-03	0.00E+00	1.83E-03	1.80E-04

4083	419422.2	3740647	1.85E-03	0.00E+00	1.85E-03	1.81E-04
4084	419417.6	3740639	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4085	419413.1	3740630	1.87E-03	0.00E+00	1.87E-03	1.83E-04
4086	419408.5	3740621	1.89E-03	0.00E+00	1.89E-03	1.85E-04
4087	419404	3740613	1.90E-03	0.00E+00	1.90E-03	1.86E-04
4088	419399.4	3740604	1.91E-03	0.00E+00	1.91E-03	1.87E-04
4089	419385.8	3740578	1.94E-03	0.00E+00	1.94E-03	1.90E-04
4090	419381.2	3740569	1.94E-03	0.00E+00	1.94E-03	1.90E-04
4091	419376.7	3740560	1.95E-03	0.00E+00	1.95E-03	1.91E-04
4092	419372.1	3740552	1.96E-03	0.00E+00	1.96E-03	1.92E-04
4093	419367.6	3740543	1.96E-03	0.00E+00	1.96E-03	1.92E-04
4094	419363	3740534	1.97E-03	0.00E+00	1.97E-03	1.93E-04
4095	419358.5	3740526	1.97E-03	0.00E+00	1.97E-03	1.93E-04
4096	419353.9	3740517	1.98E-03	0.00E+00	1.98E-03	1.94E-04
4097	419349.4	3740508	1.98E-03	0.00E+00	1.98E-03	1.94E-04
4098	419344.8	3740500	1.98E-03	0.00E+00	1.98E-03	1.94E-04
4099	419340.3	3740491	1.98E-03	0.00E+00	1.98E-03	1.94E-04
4100	419335.7	3740482	1.98E-03	0.00E+00	1.98E-03	1.94E-04
4101	419331.2	3740473	1.98E-03	0.00E+00	1.98E-03	1.94E-04
4102	419326.6	3740465	1.98E-03	0.00E+00	1.98E-03	1.94E-04
4103	419322.1	3740456	1.97E-03	0.00E+00	1.97E-03	1.93E-04
4104	419317.5	3740447	1.97E-03	0.00E+00	1.97E-03	1.92E-04
4105	419313	3740439	1.96E-03	0.00E+00	1.96E-03	1.92E-04
4106	419308.4	3740430	1.95E-03	0.00E+00	1.95E-03	1.91E-04
4107	419303.9	3740421	1.94E-03	0.00E+00	1.94E-03	1.90E-04
4108	419299.3	3740413	1.93E-03	0.00E+00	1.93E-03	1.89E-04
4109	419285.6	3740386	1.90E-03	0.00E+00	1.90E-03	1.86E-04
4110	419281.1	3740378	1.88E-03	0.00E+00	1.88E-03	1.84E-04
4111	419276.5	3740369	1.87E-03	0.00E+00	1.87E-03	1.83E-04
4112	419272	3740360	1.85E-03	0.00E+00	1.85E-03	1.81E-04
4113	419267.4	3740352	1.84E-03	0.00E+00	1.84E-03	1.80E-04
4114	419262.9	3740343	1.82E-03	0.00E+00	1.82E-03	1.78E-04
4115	419258.3	3740334	1.80E-03	0.00E+00	1.80E-03	1.76E-04
4116	419253.8	3740326	1.78E-03	0.00E+00	1.78E-03	1.74E-04
4117	419249.2	3740317	1.76E-03	0.00E+00	1.76E-03	1.72E-04
4118	419244.7	3740308	1.74E-03	0.00E+00	1.74E-03	1.70E-04
4119	419240.1	3740299	1.72E-03	0.00E+00	1.72E-03	1.68E-04
4120	419235.6	3740291	1.70E-03	0.00E+00	1.70E-03	1.66E-04
4121	419231	3740282	1.68E-03	0.00E+00	1.68E-03	1.64E-04
4122	419226.5	3740273	1.66E-03	0.00E+00	1.66E-03	1.62E-04
4123	419221.9	3740265	1.64E-03	0.00E+00	1.64E-03	1.61E-04
4124	419217.4	3740256	1.62E-03	0.00E+00	1.62E-03	1.59E-04
4125	419212.8	3740247	1.60E-03	0.00E+00	1.60E-03	1.57E-04
4126	419208.3	3740239	1.58E-03	0.00E+00	1.58E-03	1.55E-04
4127	419203.7	3740230	1.57E-03	0.00E+00	1.57E-03	1.53E-04
4128	419199.2	3740221	1.55E-03	0.00E+00	1.55E-03	1.52E-04
4129	419194.6	3740213	1.53E-03	0.00E+00	1.53E-03	1.50E-04

4130	419190.1	3740204	1.51E-03	0.00E+00	1.51E-03	1.48E-04
4131	419185.5	3740195	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4132	419181	3740186	1.47E-03	0.00E+00	1.47E-03	1.44E-04
4133	419176.4	3740178	1.46E-03	0.00E+00	1.46E-03	1.43E-04
4134	419171.8	3740169	1.44E-03	0.00E+00	1.44E-03	1.41E-04
4135	419167.3	3740160	1.42E-03	0.00E+00	1.42E-03	1.39E-04
4136	419162.7	3740152	1.40E-03	0.00E+00	1.40E-03	1.37E-04
4137	419158.2	3740143	1.39E-03	0.00E+00	1.39E-03	1.36E-04
4138	419153.6	3740134	1.37E-03	0.00E+00	1.37E-03	1.34E-04
4139	420377	3740987	3.19E-03	0.00E+00	3.19E-03	3.12E-04
4140	420386.4	3740984	3.24E-03	0.00E+00	3.24E-03	3.18E-04
4141	420395.7	3740981	3.30E-03	0.00E+00	3.30E-03	3.23E-04
4142	420405.1	3740977	3.35E-03	0.00E+00	3.35E-03	3.28E-04
4143	420414.4	3740974	3.41E-03	0.00E+00	3.41E-03	3.34E-04
4144	420423.8	3740971	3.46E-03	0.00E+00	3.46E-03	3.39E-04
4145	420433.1	3740967	3.52E-03	0.00E+00	3.52E-03	3.44E-04
4146	420442.5	3740964	3.57E-03	0.00E+00	3.57E-03	3.49E-04
4147	420451.8	3740961	3.62E-03	0.00E+00	3.62E-03	3.54E-04
4148	420461.2	3740958	3.66E-03	0.00E+00	3.66E-03	3.59E-04
4149	420470.5	3740954	3.71E-03	0.00E+00	3.71E-03	3.63E-04
4150	420479.9	3740951	3.76E-03	0.00E+00	3.76E-03	3.68E-04
4151	420489.2	3740948	3.80E-03	0.00E+00	3.80E-03	3.73E-04
4152	420498.6	3740944	3.85E-03	0.00E+00	3.85E-03	3.77E-04
4153	420507.9	3740941	3.89E-03	0.00E+00	3.89E-03	3.81E-04
4154	420517.3	3740938	3.94E-03	0.00E+00	3.94E-03	3.85E-04
4155	420380.6	3741024	2.95E-03	0.00E+00	2.95E-03	2.89E-04
4156	420370.8	3741022	2.92E-03	0.00E+00	2.92E-03	2.86E-04
4157	420361	3741021	2.90E-03	0.00E+00	2.90E-03	2.84E-04
4158	420351.2	3741020	2.87E-03	0.00E+00	2.87E-03	2.81E-04
4159	420341.4	3741018	2.84E-03	0.00E+00	2.84E-03	2.78E-04
4160	420331.6	3741017	2.81E-03	0.00E+00	2.81E-03	2.75E-04
4161	420321.8	3741016	2.78E-03	0.00E+00	2.78E-03	2.72E-04
4162	420312	3741014	2.75E-03	0.00E+00	2.75E-03	2.70E-04
4163	420302.2	3741013	2.72E-03	0.00E+00	2.72E-03	2.67E-04
4164	420292.4	3741012	2.70E-03	0.00E+00	2.70E-03	2.64E-04
4165	420282.6	3741010	2.70E-03	0.00E+00	2.70E-03	2.64E-04
4166	420272.7	3741009	2.67E-03	0.00E+00	2.67E-03	2.62E-04
4167	420262.9	3741008	2.64E-03	0.00E+00	2.64E-03	2.59E-04
4168	420253.1	3741006	2.62E-03	0.00E+00	2.62E-03	2.56E-04
4169	420243.3	3741005	2.59E-03	0.00E+00	2.59E-03	2.53E-04
4170	420233.5	3741004	2.56E-03	0.00E+00	2.56E-03	2.50E-04
4171	420223.7	3741002	2.53E-03	0.00E+00	2.53E-03	2.48E-04
4172	420213.9	3741001	2.50E-03	0.00E+00	2.50E-03	2.45E-04
4173	420204.1	3741000	2.47E-03	0.00E+00	2.47E-03	2.42E-04
4174	420194.3	3740998	2.44E-03	0.00E+00	2.44E-03	2.39E-04
4175	420184.5	3740997	2.41E-03	0.00E+00	2.41E-03	2.36E-04
4176	420174.7	3740996	2.39E-03	0.00E+00	2.39E-03	2.34E-04

4177	420047.2	3740978	2.07E-03	0.00E+00	2.07E-03	2.02E-04
4178	420037.4	3740977	2.05E-03	0.00E+00	2.05E-03	2.00E-04
4179	420027.6	3740976	2.03E-03	0.00E+00	2.03E-03	1.98E-04
4180	420017.8	3740974	2.01E-03	0.00E+00	2.01E-03	1.97E-04
4181	420007.9	3740973	1.99E-03	0.00E+00	1.99E-03	1.95E-04
4182	419998.1	3740972	1.97E-03	0.00E+00	1.97E-03	1.93E-04
4183	419988.3	3740970	1.95E-03	0.00E+00	1.95E-03	1.91E-04
4184	419978.5	3740969	1.94E-03	0.00E+00	1.94E-03	1.90E-04
4185	419968.7	3740968	1.92E-03	0.00E+00	1.92E-03	1.88E-04
4186	419958.9	3740966	1.90E-03	0.00E+00	1.90E-03	1.86E-04
4187	419949.1	3740965	1.89E-03	0.00E+00	1.89E-03	1.85E-04
4188	419939.3	3740964	1.87E-03	0.00E+00	1.87E-03	1.83E-04
4189	419929.5	3740962	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4190	419919.7	3740961	1.84E-03	0.00E+00	1.84E-03	1.80E-04
4191	419909.9	3740960	1.83E-03	0.00E+00	1.83E-03	1.79E-04
4192	419870.6	3740954	1.77E-03	0.00E+00	1.77E-03	1.73E-04
4193	419860.8	3740953	1.76E-03	0.00E+00	1.76E-03	1.72E-04
4194	419851	3740952	1.74E-03	0.00E+00	1.74E-03	1.71E-04
4195	419841.2	3740950	1.73E-03	0.00E+00	1.73E-03	1.70E-04
4196	419831.4	3740949	1.72E-03	0.00E+00	1.72E-03	1.68E-04
4197	419821.6	3740948	1.71E-03	0.00E+00	1.71E-03	1.67E-04
4198	419811.8	3740946	1.69E-03	0.00E+00	1.69E-03	1.66E-04
4199	419802	3740945	1.68E-03	0.00E+00	1.68E-03	1.65E-04
4200	419792.2	3740944	1.67E-03	0.00E+00	1.67E-03	1.64E-04
4201	419782.4	3740942	1.66E-03	0.00E+00	1.66E-03	1.62E-04
4202	419772.6	3740941	1.65E-03	0.00E+00	1.65E-03	1.61E-04
4203	419762.8	3740940	1.64E-03	0.00E+00	1.64E-03	1.60E-04
4204	419723.5	3740934	1.59E-03	0.00E+00	1.59E-03	1.56E-04
4205	419713.7	3740933	1.58E-03	0.00E+00	1.58E-03	1.55E-04
4206	419703.9	3740932	1.57E-03	0.00E+00	1.57E-03	1.54E-04
4207	419694.1	3740930	1.56E-03	0.00E+00	1.56E-03	1.53E-04
4208	419684.3	3740929	1.55E-03	0.00E+00	1.55E-03	1.52E-04
4209	419674.5	3740928	1.54E-03	0.00E+00	1.54E-03	1.51E-04
4210	419664.7	3740926	1.53E-03	0.00E+00	1.53E-03	1.49E-04
4211	419654.9	3740925	1.52E-03	0.00E+00	1.52E-03	1.48E-04
4212	419645.1	3740924	1.50E-03	0.00E+00	1.50E-03	1.47E-04
4213	419635.3	3740922	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4214	419625.4	3740921	1.48E-03	0.00E+00	1.48E-03	1.45E-04
4215	419615.6	3740920	1.47E-03	0.00E+00	1.47E-03	1.44E-04
4216	419605.8	3740918	1.46E-03	0.00E+00	1.46E-03	1.43E-04
4217	419596	3740917	1.45E-03	0.00E+00	1.45E-03	1.42E-04
4218	419586.2	3740916	1.44E-03	0.00E+00	1.44E-03	1.41E-04
4219	419576.4	3740914	1.43E-03	0.00E+00	1.43E-03	1.40E-04
4220	419566.6	3740913	1.42E-03	0.00E+00	1.42E-03	1.39E-04
4221	419556.8	3740912	1.41E-03	0.00E+00	1.41E-03	1.38E-04
4222	419547	3740910	1.40E-03	0.00E+00	1.40E-03	1.38E-04
4223	419537.2	3740909	1.40E-03	0.00E+00	1.40E-03	1.37E-04

4224	419527.4	3740908	1.39E-03	0.00E+00	1.39E-03	1.36E-04
4225	419513	3740897	1.39E-03	0.00E+00	1.39E-03	1.36E-04
4226	419508.4	3740889	1.40E-03	0.00E+00	1.40E-03	1.37E-04
4227	419503.8	3740880	1.41E-03	0.00E+00	1.41E-03	1.39E-04
4228	419499.2	3740871	1.43E-03	0.00E+00	1.43E-03	1.40E-04
4229	419494.6	3740862	1.44E-03	0.00E+00	1.44E-03	1.41E-04
4230	419490	3740854	1.45E-03	0.00E+00	1.45E-03	1.42E-04
4231	419485.4	3740845	1.47E-03	0.00E+00	1.47E-03	1.44E-04
4232	419480.9	3740836	1.48E-03	0.00E+00	1.48E-03	1.45E-04
4233	419476.3	3740827	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4234	419457.9	3740792	1.55E-03	0.00E+00	1.55E-03	1.51E-04
4235	419453.3	3740783	1.56E-03	0.00E+00	1.56E-03	1.53E-04
4236	419448.7	3740775	1.57E-03	0.00E+00	1.57E-03	1.54E-04
4237	419444.1	3740766	1.59E-03	0.00E+00	1.59E-03	1.55E-04
4238	419439.5	3740757	1.60E-03	0.00E+00	1.60E-03	1.57E-04
4239	419435	3740748	1.61E-03	0.00E+00	1.61E-03	1.58E-04
4240	419430.4	3740740	1.63E-03	0.00E+00	1.63E-03	1.59E-04
4241	419425.8	3740731	1.64E-03	0.00E+00	1.64E-03	1.61E-04
4242	419421.2	3740722	1.65E-03	0.00E+00	1.65E-03	1.62E-04
4243	419416.6	3740713	1.67E-03	0.00E+00	1.67E-03	1.63E-04
4244	419412	3740705	1.68E-03	0.00E+00	1.68E-03	1.65E-04
4245	419407.4	3740696	1.70E-03	0.00E+00	1.70E-03	1.66E-04
4246	419402.8	3740687	1.71E-03	0.00E+00	1.71E-03	1.67E-04
4247	419398.2	3740678	1.72E-03	0.00E+00	1.72E-03	1.68E-04
4248	419393.6	3740669	1.73E-03	0.00E+00	1.73E-03	1.70E-04
4249	419389.1	3740661	1.74E-03	0.00E+00	1.74E-03	1.71E-04
4250	419384.5	3740652	1.76E-03	0.00E+00	1.76E-03	1.72E-04
4251	419379.9	3740643	1.77E-03	0.00E+00	1.77E-03	1.73E-04
4252	419375.3	3740634	1.78E-03	0.00E+00	1.78E-03	1.74E-04
4253	419370.7	3740626	1.79E-03	0.00E+00	1.79E-03	1.75E-04
4254	419366.1	3740617	1.80E-03	0.00E+00	1.80E-03	1.76E-04
4255	419361.5	3740608	1.81E-03	0.00E+00	1.81E-03	1.77E-04
4256	419343.2	3740573	1.83E-03	0.00E+00	1.83E-03	1.80E-04
4257	419338.6	3740564	1.84E-03	0.00E+00	1.84E-03	1.80E-04
4258	419334	3740555	1.84E-03	0.00E+00	1.84E-03	1.81E-04
4259	419329.4	3740547	1.85E-03	0.00E+00	1.85E-03	1.81E-04
4260	419324.8	3740538	1.85E-03	0.00E+00	1.85E-03	1.81E-04
4261	419320.2	3740529	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4262	419315.6	3740520	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4263	419311	3740512	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4264	419306.4	3740503	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4265	419301.9	3740494	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4266	419297.3	3740485	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4267	419292.7	3740477	1.85E-03	0.00E+00	1.85E-03	1.81E-04
4268	419288.1	3740468	1.85E-03	0.00E+00	1.85E-03	1.81E-04
4269	419283.5	3740459	1.84E-03	0.00E+00	1.84E-03	1.80E-04
4270	419278.9	3740450	1.83E-03	0.00E+00	1.83E-03	1.79E-04

4271	419274.3	3740441	1.83E-03	0.00E+00	1.83E-03	1.79E-04
4272	419269.7	3740433	1.82E-03	0.00E+00	1.82E-03	1.78E-04
4273	419265.1	3740424	1.81E-03	0.00E+00	1.81E-03	1.77E-04
4274	419251.4	3740398	1.78E-03	0.00E+00	1.78E-03	1.74E-04
4275	419246.8	3740389	1.76E-03	0.00E+00	1.76E-03	1.73E-04
4276	419242.2	3740380	1.75E-03	0.00E+00	1.75E-03	1.71E-04
4277	419237.6	3740371	1.73E-03	0.00E+00	1.73E-03	1.70E-04
4278	419233	3740363	1.72E-03	0.00E+00	1.72E-03	1.68E-04
4279	419228.4	3740354	1.70E-03	0.00E+00	1.70E-03	1.67E-04
4280	419223.8	3740345	1.69E-03	0.00E+00	1.69E-03	1.65E-04
4281	419219.2	3740336	1.67E-03	0.00E+00	1.67E-03	1.63E-04
4282	419214.7	3740327	1.65E-03	0.00E+00	1.65E-03	1.62E-04
4283	419210.1	3740319	1.63E-03	0.00E+00	1.63E-03	1.60E-04
4284	419205.5	3740310	1.61E-03	0.00E+00	1.61E-03	1.58E-04
4285	419200.9	3740301	1.59E-03	0.00E+00	1.59E-03	1.56E-04
4286	419196.3	3740292	1.57E-03	0.00E+00	1.57E-03	1.54E-04
4287	419191.7	3740284	1.56E-03	0.00E+00	1.56E-03	1.52E-04
4288	419187.1	3740275	1.54E-03	0.00E+00	1.54E-03	1.51E-04
4289	419182.5	3740266	1.52E-03	0.00E+00	1.52E-03	1.49E-04
4290	419177.9	3740257	1.51E-03	0.00E+00	1.51E-03	1.47E-04
4291	419173.3	3740249	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4292	419168.8	3740240	1.47E-03	0.00E+00	1.47E-03	1.44E-04
4293	419164.2	3740231	1.45E-03	0.00E+00	1.45E-03	1.42E-04
4294	419159.6	3740222	1.44E-03	0.00E+00	1.44E-03	1.41E-04
4295	419155	3740213	1.42E-03	0.00E+00	1.42E-03	1.39E-04
4296	419150.4	3740205	1.40E-03	0.00E+00	1.40E-03	1.37E-04
4297	419145.8	3740196	1.39E-03	0.00E+00	1.39E-03	1.36E-04
4298	419141.2	3740187	1.37E-03	0.00E+00	1.37E-03	1.34E-04
4299	419136.6	3740178	1.35E-03	0.00E+00	1.35E-03	1.32E-04
4300	420390.4	3741025	2.98E-03	0.00E+00	2.98E-03	2.92E-04
4301	420399.8	3741022	3.03E-03	0.00E+00	3.03E-03	2.97E-04
4302	420409.1	3741018	3.08E-03	0.00E+00	3.08E-03	3.02E-04
4303	420418.5	3741015	3.13E-03	0.00E+00	3.13E-03	3.06E-04
4304	420427.8	3741012	3.18E-03	0.00E+00	3.18E-03	3.11E-04
4305	420437.2	3741008	3.22E-03	0.00E+00	3.22E-03	3.16E-04
4306	420446.5	3741005	3.27E-03	0.00E+00	3.27E-03	3.20E-04
4307	420455.9	3741002	3.32E-03	0.00E+00	3.32E-03	3.25E-04
4308	420465.2	3740999	3.36E-03	0.00E+00	3.36E-03	3.29E-04
4309	420474.6	3740995	3.41E-03	0.00E+00	3.41E-03	3.34E-04
4310	420483.9	3740992	3.46E-03	0.00E+00	3.46E-03	3.39E-04
4311	420493.3	3740989	3.51E-03	0.00E+00	3.51E-03	3.43E-04
4312	420502.6	3740985	3.55E-03	0.00E+00	3.55E-03	3.48E-04
4313	420512	3740982	3.59E-03	0.00E+00	3.59E-03	3.52E-04
4314	420521.3	3740979	3.63E-03	0.00E+00	3.63E-03	3.56E-04
4315	420530.7	3740975	3.67E-03	0.00E+00	3.67E-03	3.59E-04
4316	420394.1	3741061	2.78E-03	0.00E+00	2.78E-03	2.72E-04
4317	420384.3	3741060	2.75E-03	0.00E+00	2.75E-03	2.70E-04

4318	420374.5	3741059	2.73E-03	0.00E+00	2.73E-03	2.67E-04
4319	420364.7	3741057	2.70E-03	0.00E+00	2.70E-03	2.65E-04
4320	420354.9	3741056	2.68E-03	0.00E+00	2.68E-03	2.62E-04
4321	420345.2	3741055	2.65E-03	0.00E+00	2.65E-03	2.60E-04
4322	420335.4	3741053	2.62E-03	0.00E+00	2.62E-03	2.57E-04
4323	420325.6	3741052	2.60E-03	0.00E+00	2.60E-03	2.54E-04
4324	420315.8	3741051	2.57E-03	0.00E+00	2.57E-03	2.52E-04
4325	420306.1	3741049	2.55E-03	0.00E+00	2.55E-03	2.50E-04
4326	420296.3	3741048	2.52E-03	0.00E+00	2.52E-03	2.47E-04
4327	420286.5	3741047	2.50E-03	0.00E+00	2.50E-03	2.44E-04
4328	420276.7	3741045	2.47E-03	0.00E+00	2.47E-03	2.42E-04
4329	420267	3741044	2.47E-03	0.00E+00	2.47E-03	2.42E-04
4330	420257.2	3741043	2.44E-03	0.00E+00	2.44E-03	2.39E-04
4331	420247.4	3741041	2.42E-03	0.00E+00	2.42E-03	2.37E-04
4332	420237.6	3741040	2.39E-03	0.00E+00	2.39E-03	2.34E-04
4333	420227.8	3741039	2.37E-03	0.00E+00	2.37E-03	2.32E-04
4334	420218.1	3741037	2.34E-03	0.00E+00	2.34E-03	2.29E-04
4335	420208.3	3741036	2.32E-03	0.00E+00	2.32E-03	2.27E-04
4336	420198.5	3741035	2.29E-03	0.00E+00	2.29E-03	2.25E-04
4337	420188.7	3741033	2.27E-03	0.00E+00	2.27E-03	2.22E-04
4338	420179	3741032	2.24E-03	0.00E+00	2.24E-03	2.20E-04
4339	420169.2	3741031	2.22E-03	0.00E+00	2.22E-03	2.17E-04
4340	420159.4	3741030	2.19E-03	0.00E+00	2.19E-03	2.15E-04
4341	420149.6	3741028	2.17E-03	0.00E+00	2.17E-03	2.12E-04
4342	420139.9	3741027	2.14E-03	0.00E+00	2.14E-03	2.10E-04
4343	420130.1	3741026	2.12E-03	0.00E+00	2.12E-03	2.08E-04
4344	420120.3	3741024	2.10E-03	0.00E+00	2.10E-03	2.05E-04
4345	420110.5	3741023	2.08E-03	0.00E+00	2.08E-03	2.03E-04
4346	420100.7	3741022	2.05E-03	0.00E+00	2.05E-03	2.01E-04
4347	420091	3741020	2.03E-03	0.00E+00	2.03E-03	1.99E-04
4348	420081.2	3741019	2.01E-03	0.00E+00	2.01E-03	1.97E-04
4349	420071.4	3741018	1.99E-03	0.00E+00	1.99E-03	1.95E-04
4350	420061.6	3741016	1.97E-03	0.00E+00	1.97E-03	1.93E-04
4351	420051.9	3741015	1.95E-03	0.00E+00	1.95E-03	1.91E-04
4352	420042.1	3741014	1.93E-03	0.00E+00	1.93E-03	1.89E-04
4353	420032.3	3741012	1.91E-03	0.00E+00	1.91E-03	1.87E-04
4354	420022.5	3741011	1.90E-03	0.00E+00	1.90E-03	1.86E-04
4355	420012.8	3741010	1.88E-03	0.00E+00	1.88E-03	1.84E-04
4356	420003	3741008	1.86E-03	0.00E+00	1.86E-03	1.82E-04
4357	419993.2	3741007	1.84E-03	0.00E+00	1.84E-03	1.81E-04
4358	419983.4	3741006	1.83E-03	0.00E+00	1.83E-03	1.79E-04
4359	419973.6	3741004	1.81E-03	0.00E+00	1.81E-03	1.78E-04
4360	419963.9	3741003	1.80E-03	0.00E+00	1.80E-03	1.76E-04
4361	419797.7	3740980	1.59E-03	0.00E+00	1.59E-03	1.55E-04
4362	419787.9	3740979	1.58E-03	0.00E+00	1.58E-03	1.54E-04
4363	419778.1	3740978	1.57E-03	0.00E+00	1.57E-03	1.53E-04
4364	419768.3	3740976	1.55E-03	0.00E+00	1.55E-03	1.52E-04

4365	419719.5	3740970	1.50E-03	0.00E+00	1.50E-03	1.47E-04
4366	419709.7	3740968	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4367	419699.9	3740967	1.48E-03	0.00E+00	1.48E-03	1.45E-04
4368	419690.1	3740966	1.47E-03	0.00E+00	1.47E-03	1.44E-04
4369	419680.3	3740964	1.46E-03	0.00E+00	1.46E-03	1.43E-04
4370	419670.6	3740963	1.45E-03	0.00E+00	1.45E-03	1.42E-04
4371	419660.8	3740962	1.45E-03	0.00E+00	1.45E-03	1.41E-04
4372	419651	3740960	1.44E-03	0.00E+00	1.44E-03	1.41E-04
4373	419641.2	3740959	1.43E-03	0.00E+00	1.43E-03	1.40E-04
4374	419631.5	3740958	1.42E-03	0.00E+00	1.42E-03	1.39E-04
4375	419621.7	3740956	1.41E-03	0.00E+00	1.41E-03	1.38E-04
4376	419611.9	3740955	1.40E-03	0.00E+00	1.40E-03	1.37E-04
4377	419602.1	3740954	1.39E-03	0.00E+00	1.39E-03	1.36E-04
4378	419592.4	3740952	1.38E-03	0.00E+00	1.38E-03	1.35E-04
4379	419582.6	3740951	1.37E-03	0.00E+00	1.37E-03	1.34E-04
4380	419572.8	3740950	1.36E-03	0.00E+00	1.36E-03	1.33E-04
4381	419563	3740948	1.35E-03	0.00E+00	1.35E-03	1.32E-04
4382	419553.2	3740947	1.34E-03	0.00E+00	1.34E-03	1.32E-04
4383	419543.5	3740946	1.34E-03	0.00E+00	1.34E-03	1.31E-04
4384	419533.7	3740944	1.33E-03	0.00E+00	1.33E-03	1.30E-04
4385	419523.9	3740943	1.32E-03	0.00E+00	1.32E-03	1.29E-04
4386	419514.1	3740942	1.31E-03	0.00E+00	1.31E-03	1.29E-04
4387	419504.4	3740940	1.30E-03	0.00E+00	1.30E-03	1.28E-04
4388	419490	3740930	1.31E-03	0.00E+00	1.31E-03	1.28E-04
4389	419485.4	3740922	1.32E-03	0.00E+00	1.32E-03	1.29E-04
4390	419480.9	3740913	1.33E-03	0.00E+00	1.33E-03	1.30E-04
4391	419476.3	3740904	1.34E-03	0.00E+00	1.34E-03	1.31E-04
4392	419471.7	3740895	1.35E-03	0.00E+00	1.35E-03	1.32E-04
4393	419467.1	3740887	1.36E-03	0.00E+00	1.36E-03	1.33E-04
4394	419462.6	3740878	1.37E-03	0.00E+00	1.37E-03	1.34E-04
4395	419458	3740869	1.39E-03	0.00E+00	1.39E-03	1.36E-04
4396	419453.4	3740860	1.40E-03	0.00E+00	1.40E-03	1.37E-04
4397	419448.8	3740852	1.41E-03	0.00E+00	1.41E-03	1.38E-04
4398	419444.3	3740843	1.42E-03	0.00E+00	1.42E-03	1.39E-04
4399	419439.7	3740834	1.43E-03	0.00E+00	1.43E-03	1.40E-04
4400	419435.1	3740825	1.45E-03	0.00E+00	1.45E-03	1.41E-04
4401	419416.8	3740790	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4402	419412.2	3740782	1.51E-03	0.00E+00	1.51E-03	1.47E-04
4403	419407.7	3740773	1.52E-03	0.00E+00	1.52E-03	1.49E-04
4404	419403.1	3740764	1.53E-03	0.00E+00	1.53E-03	1.50E-04
4405	419398.5	3740755	1.54E-03	0.00E+00	1.54E-03	1.51E-04
4406	419393.9	3740747	1.56E-03	0.00E+00	1.56E-03	1.52E-04
4407	419389.4	3740738	1.57E-03	0.00E+00	1.57E-03	1.54E-04
4408	419384.8	3740729	1.58E-03	0.00E+00	1.58E-03	1.55E-04
4409	419380.2	3740720	1.59E-03	0.00E+00	1.59E-03	1.56E-04
4410	419375.6	3740712	1.60E-03	0.00E+00	1.60E-03	1.57E-04
4411	419371.1	3740703	1.61E-03	0.00E+00	1.61E-03	1.58E-04

4412	419366.5	3740694	1.62E-03	0.00E+00	1.62E-03	1.59E-04
4413	419361.9	3740685	1.63E-03	0.00E+00	1.63E-03	1.60E-04
4414	419357.3	3740677	1.65E-03	0.00E+00	1.65E-03	1.61E-04
4415	419352.8	3740668	1.66E-03	0.00E+00	1.66E-03	1.62E-04
4416	419348.2	3740659	1.67E-03	0.00E+00	1.67E-03	1.63E-04
4417	419343.6	3740650	1.68E-03	0.00E+00	1.68E-03	1.64E-04
4418	419339	3740642	1.69E-03	0.00E+00	1.69E-03	1.65E-04
4419	419334.5	3740633	1.69E-03	0.00E+00	1.69E-03	1.66E-04
4420	419329.9	3740624	1.70E-03	0.00E+00	1.70E-03	1.67E-04
4421	419325.3	3740616	1.71E-03	0.00E+00	1.71E-03	1.67E-04
4422	419320.7	3740607	1.72E-03	0.00E+00	1.72E-03	1.68E-04
4423	419302.4	3740572	1.73E-03	0.00E+00	1.73E-03	1.70E-04
4424	419297.9	3740563	1.74E-03	0.00E+00	1.74E-03	1.70E-04
4425	419293.3	3740554	1.74E-03	0.00E+00	1.74E-03	1.71E-04
4426	419288.7	3740546	1.74E-03	0.00E+00	1.74E-03	1.71E-04
4427	419284.1	3740537	1.75E-03	0.00E+00	1.75E-03	1.71E-04
4428	419279.6	3740528	1.75E-03	0.00E+00	1.75E-03	1.71E-04
4429	419275	3740519	1.75E-03	0.00E+00	1.75E-03	1.71E-04
4430	419270.4	3740511	1.75E-03	0.00E+00	1.75E-03	1.71E-04
4431	419265.8	3740502	1.74E-03	0.00E+00	1.74E-03	1.71E-04
4432	419261.3	3740493	1.74E-03	0.00E+00	1.74E-03	1.70E-04
4433	419256.7	3740484	1.74E-03	0.00E+00	1.74E-03	1.70E-04
4434	419252.1	3740476	1.73E-03	0.00E+00	1.73E-03	1.69E-04
4435	419247.5	3740467	1.72E-03	0.00E+00	1.72E-03	1.69E-04
4436	419242.9	3740458	1.72E-03	0.00E+00	1.72E-03	1.68E-04
4437	419238.4	3740449	1.71E-03	0.00E+00	1.71E-03	1.68E-04
4438	419233.8	3740441	1.70E-03	0.00E+00	1.70E-03	1.67E-04
4439	419220.1	3740414	1.67E-03	0.00E+00	1.67E-03	1.64E-04
4440	419215.5	3740406	1.66E-03	0.00E+00	1.66E-03	1.63E-04
4441	419210.9	3740397	1.65E-03	0.00E+00	1.65E-03	1.62E-04
4442	419206.3	3740388	1.64E-03	0.00E+00	1.64E-03	1.60E-04
4443	419201.8	3740379	1.62E-03	0.00E+00	1.62E-03	1.59E-04
4444	419197.2	3740371	1.61E-03	0.00E+00	1.61E-03	1.58E-04
4445	419192.6	3740362	1.60E-03	0.00E+00	1.60E-03	1.56E-04
4446	419188	3740353	1.58E-03	0.00E+00	1.58E-03	1.55E-04
4447	419183.5	3740345	1.56E-03	0.00E+00	1.56E-03	1.53E-04
4448	419178.9	3740336	1.55E-03	0.00E+00	1.55E-03	1.51E-04
4449	419174.3	3740327	1.53E-03	0.00E+00	1.53E-03	1.50E-04
4450	419169.7	3740318	1.51E-03	0.00E+00	1.51E-03	1.48E-04
4451	419165.2	3740310	1.49E-03	0.00E+00	1.49E-03	1.46E-04
4452	419160.6	3740301	1.48E-03	0.00E+00	1.48E-03	1.45E-04
4453	419156	3740292	1.46E-03	0.00E+00	1.46E-03	1.43E-04
4454	419151.4	3740283	1.45E-03	0.00E+00	1.45E-03	1.42E-04
4455	419146.9	3740275	1.43E-03	0.00E+00	1.43E-03	1.40E-04
4456	419142.3	3740266	1.42E-03	0.00E+00	1.42E-03	1.39E-04
4457	419137.7	3740257	1.40E-03	0.00E+00	1.40E-03	1.37E-04
4458	419133.1	3740248	1.38E-03	0.00E+00	1.38E-03	1.36E-04

4459	419128.6	3740240	1.37E-03	0.00E+00	1.37E-03	1.34E-04
4460	419124	3740231	1.35E-03	0.00E+00	1.35E-03	1.32E-04
4461	419087.4	3740161	1.23E-03	0.00E+00	1.23E-03	1.21E-04
4462	419082.8	3740152	1.22E-03	0.00E+00	1.22E-03	1.19E-04
4463	419078.2	3740143	1.21E-03	0.00E+00	1.21E-03	1.18E-04
4464	419073.7	3740135	1.19E-03	0.00E+00	1.19E-03	1.17E-04
4465	420403.8	3741063	2.80E-03	0.00E+00	2.80E-03	2.74E-04
4466	420413.2	3741059	2.85E-03	0.00E+00	2.85E-03	2.79E-04
4467	420422.5	3741056	2.89E-03	0.00E+00	2.89E-03	2.83E-04
4468	420431.9	3741053	2.94E-03	0.00E+00	2.94E-03	2.87E-04
4469	420441.2	3741049	2.98E-03	0.00E+00	2.98E-03	2.92E-04
4470	420450.6	3741046	3.02E-03	0.00E+00	3.02E-03	2.96E-04
4471	420459.9	3741043	3.06E-03	0.00E+00	3.06E-03	3.00E-04
4472	420469.3	3741040	3.11E-03	0.00E+00	3.11E-03	3.04E-04
4473	420478.6	3741036	3.15E-03	0.00E+00	3.15E-03	3.08E-04
4474	420488	3741033	3.19E-03	0.00E+00	3.19E-03	3.12E-04
4475	420497.3	3741030	3.23E-03	0.00E+00	3.23E-03	3.16E-04
4476	420506.7	3741026	3.28E-03	0.00E+00	3.28E-03	3.21E-04
4477	420516	3741023	3.31E-03	0.00E+00	3.31E-03	3.24E-04
4478	420525.4	3741020	3.35E-03	0.00E+00	3.35E-03	3.28E-04
4479	420534.7	3741016	3.39E-03	0.00E+00	3.39E-03	3.32E-04
4480	420544.1	3741013	3.42E-03	0.00E+00	3.42E-03	3.35E-04
4481	420239.1	3740026	1.17E-01	0.00E+00	1.17E-01	1.14E-02
4482	420239	3740017	9.59E-02	0.00E+00	9.59E-02	9.39E-03
4483	420239	3740008	7.79E-02	0.00E+00	7.79E-02	7.63E-03
4484	420246.9	3740078	1.74E-01	0.00E+00	1.74E-01	1.71E-02
4485	420249.1	3740026	9.45E-02	0.00E+00	9.45E-02	9.26E-03
4486	420249	3740017	7.94E-02	0.00E+00	7.94E-02	7.78E-03
4487	420257	3740078	1.43E-01	0.00E+00	1.43E-01	1.40E-02
4488	420252.5	3740092	1.57E-01	0.00E+00	1.57E-01	1.53E-02
4489	420244.2	3740104	1.73E-01	0.00E+00	1.73E-01	1.69E-02
4490	420259.1	3740025	7.88E-02	0.00E+00	7.88E-02	7.71E-03
4491	420259	3740016	6.74E-02	0.00E+00	6.74E-02	6.60E-03
4492	420259	3740007	5.73E-02	0.00E+00	5.73E-02	5.61E-03
4493	420267.1	3740077	1.19E-01	0.00E+00	1.19E-01	1.16E-02
4494	420262.8	3740091	1.32E-01	0.00E+00	1.32E-01	1.29E-02
4495	420252.6	3740110	1.48E-01	0.00E+00	1.48E-01	1.45E-02
4496	420241	3740118	1.64E-01	0.00E+00	1.64E-01	1.61E-02
4497	420269.1	3740034	7.66E-02	0.00E+00	7.66E-02	7.50E-03
4498	420269.1	3740025	6.71E-02	0.00E+00	6.71E-02	6.57E-03
4499	420269	3740016	5.82E-02	0.00E+00	5.82E-02	5.70E-03
4500	420269	3740007	5.03E-02	0.00E+00	5.03E-02	4.92E-03
4501	420276.8	3740078	1.02E-01	0.00E+00	1.02E-01	9.95E-03
4502	420271.7	3740095	1.15E-01	0.00E+00	1.15E-01	1.12E-02
4503	420259.8	3740116	1.31E-01	0.00E+00	1.31E-01	1.28E-02
4504	420246.3	3740126	1.45E-01	0.00E+00	1.45E-01	1.42E-02
4505	420279.1	3740034	6.55E-02	0.00E+00	6.55E-02	6.42E-03

4506	420279.1	3740025	5.80E-02	0.00E+00	5.80E-02	5.68E-03
4507	420279	3740016	5.10E-02	0.00E+00	5.10E-02	4.99E-03
4508	420286.9	3740078	8.70E-02	0.00E+00	8.70E-02	8.52E-03
4509	420282	3740093	9.84E-02	0.00E+00	9.84E-02	9.64E-03
4510	420277.2	3740109	1.06E-01	0.00E+00	1.06E-01	1.04E-02
4511	420268.3	3740122	1.15E-01	0.00E+00	1.15E-01	1.13E-02
4512	420255.4	3740131	1.27E-01	0.00E+00	1.27E-01	1.24E-02
4513	420289.3	3740061	7.52E-02	0.00E+00	7.52E-02	7.37E-03
4514	420289.1	3740034	5.69E-02	0.00E+00	5.69E-02	5.57E-03
4515	420289.1	3740025	5.09E-02	0.00E+00	5.09E-02	4.98E-03
4516	420289	3740016	4.52E-02	0.00E+00	4.52E-02	4.42E-03
4517	420289	3740007	4.00E-02	0.00E+00	4.00E-02	3.91E-03
4518	420297	3740078	7.54E-02	0.00E+00	7.54E-02	7.38E-03
4519	420292.3	3740093	8.52E-02	0.00E+00	8.52E-02	8.34E-03
4520	420287.6	3740107	9.25E-02	0.00E+00	9.25E-02	9.06E-03
4521	420276.7	3740127	1.02E-01	0.00E+00	1.02E-01	1.00E-02
4522	420264.3	3740137	1.12E-01	0.00E+00	1.12E-01	1.10E-02
4523	420251.9	3740146	1.18E-01	0.00E+00	1.18E-01	1.16E-02
4524	420299.3	3740061	6.54E-02	0.00E+00	6.54E-02	6.41E-03
4525	420299.1	3740034	5.01E-02	0.00E+00	5.01E-02	4.90E-03
4526	420299.1	3740025	4.51E-02	0.00E+00	4.51E-02	4.42E-03
4527	420299	3740016	4.04E-02	0.00E+00	4.04E-02	3.96E-03
4528	420306.7	3740078	6.66E-02	0.00E+00	6.66E-02	6.52E-03
4529	420301.5	3740095	7.61E-02	0.00E+00	7.61E-02	7.45E-03
4530	420296.3	3740112	8.32E-02	0.00E+00	8.32E-02	8.15E-03
4531	420284.2	3740133	9.23E-02	0.00E+00	9.23E-02	9.04E-03
4532	420270.4	3740144	1.01E-01	0.00E+00	1.01E-01	9.90E-03
4533	420256.6	3740154	1.07E-01	0.00E+00	1.07E-01	1.04E-02
4534	420309.3	3740061	5.75E-02	0.00E+00	5.75E-02	5.63E-03
4535	420309.1	3740025	4.03E-02	0.00E+00	4.03E-02	3.95E-03
4536	420309	3740016	3.64E-02	0.00E+00	3.64E-02	3.56E-03
4537	420309	3740007	3.27E-02	0.00E+00	3.27E-02	3.20E-03
4538	420326.9	3740078	5.21E-02	0.00E+00	5.21E-02	5.10E-03
4539	420322	3740093	5.92E-02	0.00E+00	5.92E-02	5.80E-03
4540	420317.2	3740109	6.52E-02	0.00E+00	6.52E-02	6.38E-03
4541	420312.4	3740124	6.95E-02	0.00E+00	6.95E-02	6.81E-03
4542	420301.1	3740145	7.56E-02	0.00E+00	7.56E-02	7.40E-03
4543	420288.2	3740154	8.19E-02	0.00E+00	8.19E-02	8.02E-03
4544	420275.3	3740164	8.64E-02	0.00E+00	8.64E-02	8.46E-03
4545	420262.4	3740174	8.89E-02	0.00E+00	8.89E-02	8.70E-03
4546	420329.3	3740061	4.55E-02	0.00E+00	4.55E-02	4.45E-03
4547	420329.2	3740052	4.24E-02	0.00E+00	4.24E-02	4.15E-03
4548	420329.1	3740025	3.30E-02	0.00E+00	3.30E-02	3.23E-03
4549	420329	3740016	3.01E-02	0.00E+00	3.01E-02	2.94E-03
4550	420346.8	3740078	4.23E-02	0.00E+00	4.23E-02	4.14E-03
4551	420341.7	3740094	4.82E-02	0.00E+00	4.82E-02	4.72E-03
4552	420336.6	3740111	5.33E-02	0.00E+00	5.33E-02	5.22E-03

4553	420331.5	3740127	5.72E-02	0.00E+00	5.72E-02	5.60E-03
4554	420326.4	3740143	5.98E-02	0.00E+00	5.98E-02	5.85E-03
4555	420317.1	3740156	6.34E-02	0.00E+00	6.34E-02	6.21E-03
4556	420303.6	3740167	6.86E-02	0.00E+00	6.86E-02	6.72E-03
4557	420290	3740177	7.25E-02	0.00E+00	7.25E-02	7.10E-03
4558	420276.5	3740187	7.47E-02	0.00E+00	7.47E-02	7.31E-03
4559	420349.3	3740061	3.70E-02	0.00E+00	3.70E-02	3.62E-03
4560	420349.2	3740052	3.47E-02	0.00E+00	3.47E-02	3.39E-03
4561	420349.2	3740043	3.23E-02	0.00E+00	3.23E-02	3.16E-03
4562	420349	3740016	2.54E-02	0.00E+00	2.54E-02	2.49E-03
4563	420366.7	3740078	3.51E-02	0.00E+00	3.51E-02	3.43E-03
4564	420361.4	3740095	3.99E-02	0.00E+00	3.99E-02	3.91E-03
4565	420356.1	3740112	4.43E-02	0.00E+00	4.43E-02	4.34E-03
4566	420350.8	3740129	4.79E-02	0.00E+00	4.79E-02	4.69E-03
4567	420345.5	3740146	5.04E-02	0.00E+00	5.04E-02	4.93E-03
4568	420333.2	3740168	5.41E-02	0.00E+00	5.41E-02	5.30E-03
4569	420319.1	3740179	5.84E-02	0.00E+00	5.84E-02	5.72E-03
4570	420305.1	3740189	6.16E-02	0.00E+00	6.16E-02	6.03E-03
4571	420291	3740200	6.38E-02	0.00E+00	6.38E-02	6.25E-03
4572	420276.9	3740211	6.44E-02	0.00E+00	6.44E-02	6.30E-03
4573	420369.3	3740061	3.08E-02	0.00E+00	3.08E-02	3.02E-03
4574	420369.2	3740043	2.71E-02	0.00E+00	2.71E-02	2.66E-03
4575	420369.1	3740034	2.53E-02	0.00E+00	2.53E-02	2.48E-03
4576	420386.8	3740078	2.95E-02	0.00E+00	2.95E-02	2.89E-03
4577	420381.8	3740094	3.32E-02	0.00E+00	3.32E-02	3.25E-03
4578	420376.7	3740110	3.67E-02	0.00E+00	3.67E-02	3.59E-03
4579	420371.7	3740126	3.99E-02	0.00E+00	3.99E-02	3.90E-03
4580	420366.7	3740142	4.22E-02	0.00E+00	4.22E-02	4.14E-03
4581	420361.6	3740158	4.38E-02	0.00E+00	4.38E-02	4.29E-03
4582	420349.9	3740179	4.67E-02	0.00E+00	4.67E-02	4.57E-03
4583	420336.5	3740189	5.01E-02	0.00E+00	5.01E-02	4.90E-03
4584	420323.1	3740200	5.29E-02	0.00E+00	5.29E-02	5.18E-03
4585	420309.7	3740210	5.49E-02	0.00E+00	5.49E-02	5.37E-03
4586	420296.4	3740220	5.58E-02	0.00E+00	5.58E-02	5.47E-03
4587	420283	3740230	5.57E-02	0.00E+00	5.57E-02	5.45E-03
4588	420389.3	3740061	2.62E-02	0.00E+00	2.62E-02	2.57E-03
4589	420389.2	3740052	2.47E-02	0.00E+00	2.47E-02	2.42E-03
4590	420389.2	3740043	2.33E-02	0.00E+00	2.33E-02	2.28E-03
4591	420389.1	3740034	2.18E-02	0.00E+00	2.18E-02	2.14E-03
4592	420389.1	3740025	2.04E-02	0.00E+00	2.04E-02	2.00E-03
4593	420406.7	3740078	2.52E-02	0.00E+00	2.52E-02	2.47E-03
4594	420401.5	3740095	2.83E-02	0.00E+00	2.83E-02	2.77E-03
4595	420396.3	3740111	3.14E-02	0.00E+00	3.14E-02	3.07E-03
4596	420391.1	3740128	3.42E-02	0.00E+00	3.42E-02	3.35E-03
4597	420386	3740144	3.64E-02	0.00E+00	3.64E-02	3.56E-03
4598	420380.8	3740161	3.79E-02	0.00E+00	3.79E-02	3.72E-03
4599	420375.6	3740177	3.90E-02	0.00E+00	3.90E-02	3.82E-03

4600	420366.1	3740191	4.08E-02	0.00E+00	4.08E-02	4.00E-03
4601	420352.3	3740201	4.38E-02	0.00E+00	4.38E-02	4.29E-03
4602	420338.4	3740212	4.63E-02	0.00E+00	4.63E-02	4.53E-03
4603	420324.6	3740222	4.80E-02	0.00E+00	4.80E-02	4.70E-03
4604	420310.8	3740233	4.88E-02	0.00E+00	4.88E-02	4.78E-03
4605	420297	3740243	4.88E-02	0.00E+00	4.88E-02	4.78E-03
4606	420409.3	3740061	2.25E-02	0.00E+00	2.25E-02	2.21E-03
4607	420409.2	3740052	2.14E-02	0.00E+00	2.14E-02	2.09E-03
4608	420409.2	3740043	2.02E-02	0.00E+00	2.02E-02	1.98E-03
4609	420409.1	3740034	1.90E-02	0.00E+00	1.90E-02	1.86E-03
4610	420409.1	3740025	1.79E-02	0.00E+00	1.79E-02	1.75E-03
4611	420426.6	3740078	2.19E-02	0.00E+00	2.19E-02	2.14E-03
4612	420421.3	3740095	2.45E-02	0.00E+00	2.45E-02	2.40E-03
4613	420416	3740112	2.71E-02	0.00E+00	2.71E-02	2.65E-03
4614	420410.7	3740129	2.95E-02	0.00E+00	2.95E-02	2.89E-03
4615	420405.3	3740146	3.15E-02	0.00E+00	3.15E-02	3.09E-03
4616	420400	3740163	3.31E-02	0.00E+00	3.31E-02	3.24E-03
4617	420394.7	3740180	3.42E-02	0.00E+00	3.42E-02	3.35E-03
4618	420382.3	3740202	3.62E-02	0.00E+00	3.62E-02	3.54E-03
4619	420368.1	3740213	3.87E-02	0.00E+00	3.87E-02	3.79E-03
4620	420353.9	3740224	4.07E-02	0.00E+00	4.07E-02	3.99E-03
4621	420339.7	3740235	4.22E-02	0.00E+00	4.22E-02	4.13E-03
4622	420325.5	3740246	4.30E-02	0.00E+00	4.30E-02	4.21E-03
4623	420311.3	3740256	4.31E-02	0.00E+00	4.31E-02	4.22E-03
4624	420297.1	3740267	4.25E-02	0.00E+00	4.25E-02	4.16E-03
4625	420429.3	3740061	1.96E-02	0.00E+00	1.96E-02	1.92E-03
4626	420429.2	3740052	1.87E-02	0.00E+00	1.87E-02	1.83E-03
4627	420429.2	3740043	1.77E-02	0.00E+00	1.77E-02	1.73E-03
4628	420429.1	3740034	1.68E-02	0.00E+00	1.68E-02	1.64E-03
4629	420429.1	3740025	1.58E-02	0.00E+00	1.58E-02	1.55E-03
4630	420429	3740016	1.49E-02	0.00E+00	1.49E-02	1.46E-03
4631	420446.7	3740078	1.91E-02	0.00E+00	1.91E-02	1.87E-03
4632	420441.6	3740094	2.12E-02	0.00E+00	2.12E-02	2.08E-03
4633	420436.5	3740110	2.33E-02	0.00E+00	2.33E-02	2.29E-03
4634	420431.4	3740127	2.54E-02	0.00E+00	2.54E-02	2.48E-03
4635	420426.2	3740143	2.71E-02	0.00E+00	2.71E-02	2.66E-03
4636	420421.1	3740159	2.86E-02	0.00E+00	2.86E-02	2.80E-03
4637	420416	3740176	2.99E-02	0.00E+00	2.99E-02	2.93E-03
4638	420410.8	3740192	3.07E-02	0.00E+00	3.07E-02	3.01E-03
4639	420398.9	3740214	3.22E-02	0.00E+00	3.22E-02	3.15E-03
4640	420385.2	3740224	3.42E-02	0.00E+00	3.42E-02	3.35E-03
4641	420371.6	3740235	3.59E-02	0.00E+00	3.59E-02	3.51E-03
4642	420357.9	3740245	3.72E-02	0.00E+00	3.72E-02	3.64E-03
4643	420344.3	3740255	3.80E-02	0.00E+00	3.80E-02	3.72E-03
4644	420330.6	3740266	3.83E-02	0.00E+00	3.83E-02	3.75E-03
4645	420317	3740276	3.81E-02	0.00E+00	3.81E-02	3.73E-03
4646	420303.3	3740286	3.74E-02	0.00E+00	3.74E-02	3.66E-03

4647	420449.3	3740060	1.73E-02	0.00E+00	1.73E-02	1.69E-03
4648	420449.2	3740051	1.65E-02	0.00E+00	1.65E-02	1.61E-03
4649	420449.2	3740042	1.57E-02	0.00E+00	1.57E-02	1.54E-03
4650	420449.1	3740034	1.49E-02	0.00E+00	1.49E-02	1.46E-03
4651	420449.1	3740025	1.41E-02	0.00E+00	1.41E-02	1.38E-03
4652	420449	3740016	1.33E-02	0.00E+00	1.33E-02	1.31E-03
4653	420466.7	3740078	1.69E-02	0.00E+00	1.69E-02	1.66E-03
4654	420461.4	3740094	1.88E-02	0.00E+00	1.88E-02	1.84E-03
4655	420456.2	3740111	2.06E-02	0.00E+00	2.06E-02	2.02E-03
4656	420450.9	3740128	2.24E-02	0.00E+00	2.24E-02	2.19E-03
4657	420445.7	3740145	2.39E-02	0.00E+00	2.39E-02	2.35E-03
4658	420440.5	3740161	2.54E-02	0.00E+00	2.54E-02	2.49E-03
4659	420435.2	3740178	2.65E-02	0.00E+00	2.65E-02	2.60E-03
4660	420430	3740195	2.73E-02	0.00E+00	2.73E-02	2.68E-03
4661	420424.7	3740212	2.80E-02	0.00E+00	2.80E-02	2.74E-03
4662	420415.1	3740225	2.89E-02	0.00E+00	2.89E-02	2.83E-03
4663	420401.1	3740236	3.06E-02	0.00E+00	3.06E-02	3.00E-03
4664	420387.2	3740247	3.21E-02	0.00E+00	3.21E-02	3.14E-03
4665	420373.2	3740257	3.32E-02	0.00E+00	3.32E-02	3.25E-03
4666	420359.2	3740268	3.38E-02	0.00E+00	3.38E-02	3.31E-03
4667	420345.2	3740278	3.41E-02	0.00E+00	3.41E-02	3.34E-03
4668	420331.3	3740289	3.41E-02	0.00E+00	3.41E-02	3.34E-03
4669	420317.3	3740300	3.36E-02	0.00E+00	3.36E-02	3.29E-03
4670	420469.3	3740060	1.54E-02	0.00E+00	1.54E-02	1.51E-03
4671	420469.2	3740051	1.47E-02	0.00E+00	1.47E-02	1.44E-03
4672	420469.2	3740042	1.40E-02	0.00E+00	1.40E-02	1.37E-03
4673	420469.1	3740033	1.33E-02	0.00E+00	1.33E-02	1.31E-03
4674	420469.1	3740024	1.27E-02	0.00E+00	1.27E-02	1.24E-03
4675	420469	3740015	1.20E-02	0.00E+00	1.20E-02	1.18E-03
4676	420486.6	3740078	1.52E-02	0.00E+00	1.52E-02	1.49E-03
4677	420481.3	3740095	1.68E-02	0.00E+00	1.68E-02	1.65E-03
4678	420475.9	3740112	1.84E-02	0.00E+00	1.84E-02	1.80E-03
4679	420470.6	3740129	2.00E-02	0.00E+00	2.00E-02	1.96E-03
4680	420465.2	3740146	2.14E-02	0.00E+00	2.14E-02	2.09E-03
4681	420459.9	3740163	2.27E-02	0.00E+00	2.27E-02	2.23E-03
4682	420454.5	3740180	2.37E-02	0.00E+00	2.37E-02	2.32E-03
4683	420449.2	3740197	2.44E-02	0.00E+00	2.44E-02	2.39E-03
4684	420443.8	3740214	2.51E-02	0.00E+00	2.51E-02	2.46E-03
4685	420431.3	3740237	2.61E-02	0.00E+00	2.61E-02	2.56E-03
4686	420424.2	3740242	2.69E-02	0.00E+00	2.69E-02	2.63E-03
4687	420409.9	3740253	2.83E-02	0.00E+00	2.83E-02	2.77E-03
4688	420402.8	3740259	2.89E-02	0.00E+00	2.89E-02	2.82E-03
4689	420388.6	3740269	2.98E-02	0.00E+00	2.98E-02	2.92E-03
4690	420381.4	3740275	3.01E-02	0.00E+00	3.01E-02	2.95E-03
4691	420367.2	3740286	3.05E-02	0.00E+00	3.05E-02	2.99E-03
4692	420360.1	3740291	3.06E-02	0.00E+00	3.06E-02	3.00E-03
4693	420345.8	3740302	3.06E-02	0.00E+00	3.06E-02	3.00E-03

4694	420338.7	3740307	3.05E-02	0.00E+00	3.05E-02	2.99E-03
4695	420324.4	3740318	3.00E-02	0.00E+00	3.00E-02	2.94E-03
4696	420317.3	3740324	2.96E-02	0.00E+00	2.96E-02	2.90E-03
4697	420489.3	3740060	1.38E-02	0.00E+00	1.38E-02	1.35E-03
4698	420489.2	3740051	1.32E-02	0.00E+00	1.32E-02	1.29E-03
4699	420489.2	3740042	1.26E-02	0.00E+00	1.26E-02	1.24E-03
4700	420489.1	3740033	1.21E-02	0.00E+00	1.21E-02	1.18E-03
4701	420489.1	3740024	1.15E-02	0.00E+00	1.15E-02	1.12E-03
4702	420506.7	3740077	1.36E-02	0.00E+00	1.36E-02	1.34E-03
4703	420501.5	3740094	1.50E-02	0.00E+00	1.50E-02	1.47E-03
4704	420496.3	3740111	1.64E-02	0.00E+00	1.64E-02	1.60E-03
4705	420491.1	3740127	1.77E-02	0.00E+00	1.77E-02	1.73E-03
4706	420486	3740144	1.89E-02	0.00E+00	1.89E-02	1.86E-03
4707	420480.8	3740160	2.01E-02	0.00E+00	2.01E-02	1.97E-03
4708	420475.6	3740177	2.10E-02	0.00E+00	2.10E-02	2.06E-03
4709	420470.4	3740193	2.19E-02	0.00E+00	2.19E-02	2.15E-03
4710	420465.2	3740210	2.25E-02	0.00E+00	2.25E-02	2.20E-03
4711	420460	3740227	2.30E-02	0.00E+00	2.30E-02	2.25E-03
4712	420447.9	3740248	2.37E-02	0.00E+00	2.37E-02	2.32E-03
4713	420434.1	3740259	2.49E-02	0.00E+00	2.49E-02	2.44E-03
4714	420420.3	3740269	2.60E-02	0.00E+00	2.60E-02	2.54E-03
4715	420406.5	3740280	2.68E-02	0.00E+00	2.68E-02	2.63E-03
4716	420392.6	3740290	2.74E-02	0.00E+00	2.74E-02	2.68E-03
4717	420378.8	3740301	2.77E-02	0.00E+00	2.77E-02	2.71E-03
4718	420365	3740311	2.77E-02	0.00E+00	2.77E-02	2.72E-03
4719	420351.2	3740322	2.77E-02	0.00E+00	2.77E-02	2.71E-03
4720	420337.4	3740332	2.73E-02	0.00E+00	2.73E-02	2.68E-03
4721	420323.6	3740343	2.66E-02	0.00E+00	2.66E-02	2.61E-03
4722	420509.3	3740060	1.25E-02	0.00E+00	1.25E-02	1.22E-03
4723	420509.2	3740051	1.20E-02	0.00E+00	1.20E-02	1.17E-03
4724	420509.2	3740042	1.15E-02	0.00E+00	1.15E-02	1.12E-03
4725	420509.1	3740033	1.10E-02	0.00E+00	1.10E-02	1.07E-03
4726	420509.1	3740024	1.05E-02	0.00E+00	1.05E-02	1.02E-03
4727	420509	3740006	9.50E-03	0.00E+00	9.50E-03	9.30E-04
4728	420536.7	3740077	1.17E-02	0.00E+00	1.17E-02	1.15E-03
4729	420531.5	3740094	1.29E-02	0.00E+00	1.29E-02	1.26E-03
4730	420526.3	3740111	1.40E-02	0.00E+00	1.40E-02	1.37E-03
4731	420521.1	3740127	1.51E-02	0.00E+00	1.51E-02	1.48E-03
4732	420515.9	3740144	1.61E-02	0.00E+00	1.61E-02	1.58E-03
4733	420510.6	3740161	1.71E-02	0.00E+00	1.71E-02	1.68E-03
4734	420505.4	3740177	1.80E-02	0.00E+00	1.80E-02	1.76E-03
4735	420500.2	3740194	1.87E-02	0.00E+00	1.87E-02	1.83E-03
4736	420495	3740210	1.93E-02	0.00E+00	1.93E-02	1.89E-03
4737	420489.8	3740227	1.99E-02	0.00E+00	1.99E-02	1.95E-03
4738	420484.6	3740244	2.01E-02	0.00E+00	2.01E-02	1.97E-03
4739	420472.4	3740266	2.08E-02	0.00E+00	2.08E-02	2.04E-03
4740	420458.6	3740276	2.18E-02	0.00E+00	2.18E-02	2.13E-03

4741	420444.7	3740287	2.26E-02	0.00E+00	2.26E-02	2.21E-03
4742	420430.8	3740297	2.33E-02	0.00E+00	2.33E-02	2.28E-03
4743	420416.9	3740308	2.38E-02	0.00E+00	2.38E-02	2.33E-03
4744	420403	3740318	2.41E-02	0.00E+00	2.41E-02	2.36E-03
4745	420389.2	3740329	2.43E-02	0.00E+00	2.43E-02	2.38E-03
4746	420375.3	3740339	2.43E-02	0.00E+00	2.43E-02	2.38E-03
4747	420361.4	3740350	2.40E-02	0.00E+00	2.40E-02	2.35E-03
4748	420347.5	3740361	2.36E-02	0.00E+00	2.36E-02	2.31E-03
4749	420333.7	3740371	2.29E-02	0.00E+00	2.29E-02	2.24E-03
4750	420539.3	3740060	1.08E-02	0.00E+00	1.08E-02	1.06E-03
4751	420539.2	3740051	1.04E-02	0.00E+00	1.04E-02	1.02E-03
4752	420539.2	3740042	9.97E-03	0.00E+00	9.97E-03	9.76E-04
4753	420539.1	3740033	9.56E-03	0.00E+00	9.56E-03	9.36E-04
4754	420539	3740015	8.76E-03	0.00E+00	8.76E-03	8.58E-04
4755	420539	3740006	8.38E-03	0.00E+00	8.38E-03	8.20E-04
4756	420566.7	3740077	1.02E-02	0.00E+00	1.02E-02	9.99E-04
4757	420561.5	3740094	1.11E-02	0.00E+00	1.11E-02	1.09E-03
4758	420556.2	3740111	1.21E-02	0.00E+00	1.21E-02	1.18E-03
4759	420551	3740127	1.30E-02	0.00E+00	1.30E-02	1.27E-03
4760	420545.8	3740144	1.39E-02	0.00E+00	1.39E-02	1.36E-03
4761	420540.5	3740161	1.47E-02	0.00E+00	1.47E-02	1.44E-03
4762	420535.3	3740177	1.55E-02	0.00E+00	1.55E-02	1.52E-03
4763	420530.1	3740194	1.62E-02	0.00E+00	1.62E-02	1.58E-03
4764	420524.8	3740211	1.68E-02	0.00E+00	1.68E-02	1.64E-03
4765	420519.6	3740227	1.73E-02	0.00E+00	1.73E-02	1.69E-03
4766	420514.4	3740244	1.77E-02	0.00E+00	1.77E-02	1.73E-03
4767	420509.2	3740261	1.79E-02	0.00E+00	1.79E-02	1.76E-03
4768	420497	3740283	1.84E-02	0.00E+00	1.84E-02	1.81E-03
4769	420483	3740293	1.91E-02	0.00E+00	1.91E-02	1.87E-03
4770	420469.1	3740304	1.98E-02	0.00E+00	1.98E-02	1.94E-03
4771	420455.2	3740315	2.04E-02	0.00E+00	2.04E-02	1.99E-03
4772	420441.2	3740325	2.08E-02	0.00E+00	2.08E-02	2.04E-03
4773	420427.3	3740336	2.11E-02	0.00E+00	2.11E-02	2.06E-03
4774	420413.4	3740346	2.13E-02	0.00E+00	2.13E-02	2.08E-03
4775	420399.5	3740357	2.14E-02	0.00E+00	2.14E-02	2.10E-03
4776	420385.5	3740368	2.13E-02	0.00E+00	2.13E-02	2.09E-03
4777	420371.6	3740378	2.10E-02	0.00E+00	2.10E-02	2.06E-03
4778	420357.7	3740389	2.06E-02	0.00E+00	2.06E-02	2.01E-03
4779	420343.8	3740399	1.99E-02	0.00E+00	1.99E-02	1.95E-03
4780	420569.3	3740060	9.43E-03	0.00E+00	9.43E-03	9.23E-04
4781	420569.1	3740033	8.41E-03	0.00E+00	8.41E-03	8.23E-04
4782	420569.1	3740024	8.07E-03	0.00E+00	8.07E-03	7.90E-04
4783	420569	3740015	7.74E-03	0.00E+00	7.74E-03	7.58E-04
4784	420569	3740006	7.43E-03	0.00E+00	7.43E-03	7.27E-04
4785	420591.4	3740094	9.72E-03	0.00E+00	9.72E-03	9.51E-04
4786	420586.2	3740111	1.05E-02	0.00E+00	1.05E-02	1.03E-03
4787	420580.9	3740127	1.13E-02	0.00E+00	1.13E-02	1.11E-03

4788	420575.7	3740144	1.21E-02	0.00E+00	1.21E-02	1.18E-03
4789	420570.4	3740161	1.28E-02	0.00E+00	1.28E-02	1.25E-03
4790	420565.2	3740178	1.35E-02	0.00E+00	1.35E-02	1.32E-03
4791	420560	3740194	1.41E-02	0.00E+00	1.41E-02	1.38E-03
4792	420554.7	3740211	1.47E-02	0.00E+00	1.47E-02	1.43E-03
4793	420549.5	3740228	1.51E-02	0.00E+00	1.51E-02	1.48E-03
4794	420544.2	3740245	1.56E-02	0.00E+00	1.56E-02	1.52E-03
4795	420539	3740261	1.59E-02	0.00E+00	1.59E-02	1.55E-03
4796	420533.7	3740278	1.60E-02	0.00E+00	1.60E-02	1.57E-03
4797	420521.5	3740300	1.64E-02	0.00E+00	1.64E-02	1.61E-03
4798	420507.5	3740311	1.70E-02	0.00E+00	1.70E-02	1.67E-03
4799	420493.5	3740321	1.75E-02	0.00E+00	1.75E-02	1.71E-03
4800	420479.6	3740332	1.80E-02	0.00E+00	1.80E-02	1.76E-03
4801	420465.6	3740343	1.83E-02	0.00E+00	1.83E-02	1.79E-03
4802	420451.6	3740353	1.86E-02	0.00E+00	1.86E-02	1.82E-03
4803	420437.7	3740364	1.89E-02	0.00E+00	1.89E-02	1.85E-03
4804	420423.7	3740374	1.89E-02	0.00E+00	1.89E-02	1.85E-03
4805	420409.7	3740385	1.89E-02	0.00E+00	1.89E-02	1.85E-03
4806	420395.8	3740396	1.88E-02	0.00E+00	1.88E-02	1.84E-03
4807	420381.8	3740406	1.85E-02	0.00E+00	1.85E-02	1.81E-03
4808	420367.8	3740417	1.81E-02	0.00E+00	1.81E-02	1.77E-03
4809	420353.8	3740428	1.75E-02	0.00E+00	1.75E-02	1.71E-03
4810	420599.3	3740060	8.31E-03	0.00E+00	8.31E-03	8.14E-04
4811	420599.2	3740051	8.03E-03	0.00E+00	8.03E-03	7.86E-04
4812	420599.2	3740042	7.75E-03	0.00E+00	7.75E-03	7.59E-04
4813	420599.1	3740033	7.47E-03	0.00E+00	7.47E-03	7.31E-04
4814	420599.1	3740024	7.19E-03	0.00E+00	7.19E-03	7.04E-04
4815	420599	3740015	6.92E-03	0.00E+00	6.92E-03	6.78E-04
4816	420599	3740006	6.65E-03	0.00E+00	6.65E-03	6.52E-04
4817	420610.9	3740127	9.92E-03	0.00E+00	9.92E-03	9.71E-04
4818	420605.6	3740144	1.06E-02	0.00E+00	1.06E-02	1.04E-03
4819	420600.4	3740161	1.12E-02	0.00E+00	1.12E-02	1.10E-03
4820	420595.1	3740178	1.18E-02	0.00E+00	1.18E-02	1.16E-03
4821	420589.9	3740195	1.24E-02	0.00E+00	1.24E-02	1.21E-03
4822	420584.6	3740211	1.29E-02	0.00E+00	1.29E-02	1.26E-03
4823	420579.3	3740228	1.34E-02	0.00E+00	1.34E-02	1.31E-03
4824	420574.1	3740245	1.38E-02	0.00E+00	1.38E-02	1.35E-03
4825	420568.8	3740262	1.41E-02	0.00E+00	1.41E-02	1.38E-03
4826	420563.5	3740278	1.43E-02	0.00E+00	1.43E-02	1.40E-03
4827	420558.3	3740295	1.44E-02	0.00E+00	1.44E-02	1.41E-03
4828	420546	3740317	1.47E-02	0.00E+00	1.47E-02	1.44E-03
4829	420532	3740328	1.52E-02	0.00E+00	1.52E-02	1.49E-03
4830	420518	3740339	1.56E-02	0.00E+00	1.56E-02	1.53E-03
4831	420504	3740349	1.61E-02	0.00E+00	1.61E-02	1.57E-03
4832	420490	3740360	1.64E-02	0.00E+00	1.64E-02	1.60E-03
4833	420476	3740371	1.66E-02	0.00E+00	1.66E-02	1.63E-03
4834	420462	3740381	1.68E-02	0.00E+00	1.68E-02	1.65E-03

4835	420448	3740392	1.70E-02	0.00E+00	1.70E-02	1.66E-03
4836	420434	3740403	1.69E-02	0.00E+00	1.69E-02	1.66E-03
4837	420419.9	3740413	1.69E-02	0.00E+00	1.69E-02	1.65E-03
4838	420405.9	3740424	1.67E-02	0.00E+00	1.67E-02	1.63E-03
4839	420391.9	3740434	1.64E-02	0.00E+00	1.64E-02	1.60E-03
4840	420377.9	3740445	1.60E-02	0.00E+00	1.60E-02	1.56E-03
4841	420363.9	3740456	1.55E-02	0.00E+00	1.55E-02	1.51E-03
4842	420656.7	3740077	6.88E-03	0.00E+00	6.88E-03	6.74E-04
4843	420651.4	3740094	7.45E-03	0.00E+00	7.45E-03	7.29E-04
4844	420625	3740178	1.05E-02	0.00E+00	1.05E-02	1.02E-03
4845	420619.8	3740195	1.09E-02	0.00E+00	1.09E-02	1.07E-03
4846	420614.5	3740211	1.14E-02	0.00E+00	1.14E-02	1.12E-03
4847	420609.2	3740228	1.18E-02	0.00E+00	1.18E-02	1.16E-03
4848	420603.9	3740245	1.22E-02	0.00E+00	1.22E-02	1.20E-03
4849	420598.7	3740262	1.25E-02	0.00E+00	1.25E-02	1.23E-03
4850	420593.4	3740279	1.28E-02	0.00E+00	1.28E-02	1.25E-03
4851	420588.1	3740296	1.29E-02	0.00E+00	1.29E-02	1.26E-03
4852	420582.8	3740312	1.30E-02	0.00E+00	1.30E-02	1.27E-03
4853	420570.6	3740335	1.32E-02	0.00E+00	1.32E-02	1.30E-03
4854	420556.5	3740345	1.37E-02	0.00E+00	1.37E-02	1.34E-03
4855	420542.5	3740356	1.41E-02	0.00E+00	1.41E-02	1.38E-03
4856	420528.4	3740367	1.44E-02	0.00E+00	1.44E-02	1.41E-03
4857	420514.4	3740377	1.47E-02	0.00E+00	1.47E-02	1.44E-03
4858	420500.4	3740388	1.49E-02	0.00E+00	1.49E-02	1.46E-03
4859	420486.3	3740399	1.51E-02	0.00E+00	1.51E-02	1.48E-03
4860	420472.3	3740409	1.52E-02	0.00E+00	1.52E-02	1.49E-03
4861	420458.2	3740420	1.53E-02	0.00E+00	1.53E-02	1.49E-03
4862	420444.2	3740431	1.52E-02	0.00E+00	1.52E-02	1.49E-03
4863	420430.2	3740441	1.51E-02	0.00E+00	1.51E-02	1.48E-03
4864	420416.1	3740452	1.49E-02	0.00E+00	1.49E-02	1.46E-03
4865	420402.1	3740463	1.46E-02	0.00E+00	1.46E-02	1.43E-03
4866	420388	3740473	1.42E-02	0.00E+00	1.42E-02	1.39E-03
4867	420374	3740484	1.38E-02	0.00E+00	1.38E-02	1.35E-03
4868	420659.3	3740059	6.40E-03	0.00E+00	6.40E-03	6.27E-04
4869	420659.2	3740050	6.21E-03	0.00E+00	6.21E-03	6.08E-04
4870	420659.2	3740041	6.01E-03	0.00E+00	6.01E-03	5.89E-04
4871	420659.1	3740032	5.82E-03	0.00E+00	5.82E-03	5.70E-04
4872	420659.1	3740023	5.64E-03	0.00E+00	5.64E-03	5.52E-04
4873	420659	3740014	5.45E-03	0.00E+00	5.45E-03	5.34E-04
4874	420659	3740005	5.27E-03	0.00E+00	5.27E-03	5.16E-04
4875	420686.7	3740077	6.18E-03	0.00E+00	6.18E-03	6.05E-04
4876	420681.4	3740094	6.64E-03	0.00E+00	6.64E-03	6.50E-04
4877	420676.1	3740110	7.16E-03	0.00E+00	7.16E-03	7.01E-04
4878	420670.8	3740127	7.71E-03	0.00E+00	7.71E-03	7.55E-04
4879	420665.5	3740144	8.27E-03	0.00E+00	8.27E-03	8.10E-04
4880	420660.2	3740161	8.82E-03	0.00E+00	8.82E-03	8.64E-04
4881	420655	3740178	9.33E-03	0.00E+00	9.33E-03	9.13E-04

4882	420649.7	3740195	9.80E-03	0.00E+00	9.80E-03	9.60E-04
4883	420628.5	3740262	1.12E-02	0.00E+00	1.12E-02	1.10E-03
4884	420623.3	3740279	1.14E-02	0.00E+00	1.14E-02	1.12E-03
4885	420618	3740296	1.16E-02	0.00E+00	1.16E-02	1.14E-03
4886	420612.7	3740313	1.18E-02	0.00E+00	1.18E-02	1.15E-03
4887	420607.4	3740330	1.18E-02	0.00E+00	1.18E-02	1.16E-03
4888	420595.1	3740352	1.21E-02	0.00E+00	1.21E-02	1.18E-03
4889	420581	3740363	1.24E-02	0.00E+00	1.24E-02	1.22E-03
4890	420567	3740373	1.27E-02	0.00E+00	1.27E-02	1.25E-03
4891	420552.9	3740384	1.30E-02	0.00E+00	1.30E-02	1.28E-03
4892	420538.8	3740395	1.33E-02	0.00E+00	1.33E-02	1.30E-03
4893	420524.7	3740405	1.35E-02	0.00E+00	1.35E-02	1.32E-03
4894	420510.7	3740416	1.37E-02	0.00E+00	1.37E-02	1.34E-03
4895	420496.6	3740427	1.38E-02	0.00E+00	1.38E-02	1.35E-03
4896	420482.5	3740437	1.38E-02	0.00E+00	1.38E-02	1.36E-03
4897	420468.5	3740448	1.38E-02	0.00E+00	1.38E-02	1.35E-03
4898	420454.4	3740459	1.38E-02	0.00E+00	1.38E-02	1.35E-03
4899	420440.3	3740469	1.36E-02	0.00E+00	1.36E-02	1.33E-03
4900	420426.3	3740480	1.34E-02	0.00E+00	1.34E-02	1.31E-03
4901	420412.2	3740491	1.31E-02	0.00E+00	1.31E-02	1.29E-03
4902	420398.1	3740502	1.28E-02	0.00E+00	1.28E-02	1.25E-03
4903	420384.1	3740512	1.24E-02	0.00E+00	1.24E-02	1.21E-03
4904	420689.3	3740059	5.81E-03	0.00E+00	5.81E-03	5.69E-04
4905	420689.2	3740050	5.65E-03	0.00E+00	5.65E-03	5.53E-04
4906	420689.2	3740041	5.50E-03	0.00E+00	5.50E-03	5.38E-04
4907	420689.1	3740032	5.32E-03	0.00E+00	5.32E-03	5.21E-04
4908	420689.1	3740023	5.15E-03	0.00E+00	5.15E-03	5.04E-04
4909	420689	3740014	4.98E-03	0.00E+00	4.98E-03	4.88E-04
4910	420716.7	3740077	5.66E-03	0.00E+00	5.66E-03	5.55E-04
4911	420711.4	3740093	6.01E-03	0.00E+00	6.01E-03	5.89E-04
4912	420706.1	3740110	6.42E-03	0.00E+00	6.42E-03	6.29E-04
4913	420700.8	3740127	6.87E-03	0.00E+00	6.87E-03	6.73E-04
4914	420695.5	3740144	7.37E-03	0.00E+00	7.37E-03	7.22E-04
4915	420690.2	3740161	7.87E-03	0.00E+00	7.87E-03	7.71E-04
4916	420684.9	3740178	8.34E-03	0.00E+00	8.34E-03	8.16E-04
4917	420679.6	3740195	8.77E-03	0.00E+00	8.77E-03	8.59E-04
4918	420674.3	3740212	9.17E-03	0.00E+00	9.17E-03	8.98E-04
4919	420669	3740229	9.54E-03	0.00E+00	9.54E-03	9.34E-04
4920	420663.7	3740246	9.87E-03	0.00E+00	9.87E-03	9.66E-04
4921	420658.4	3740262	1.01E-02	0.00E+00	1.01E-02	9.86E-04
4922	420653.1	3740279	1.03E-02	0.00E+00	1.03E-02	1.01E-03
4923	420619.6	3740369	1.10E-02	0.00E+00	1.10E-02	1.07E-03
4924	420605.5	3740380	1.13E-02	0.00E+00	1.13E-02	1.11E-03
4925	420591.4	3740391	1.16E-02	0.00E+00	1.16E-02	1.14E-03
4926	420577.3	3740401	1.19E-02	0.00E+00	1.19E-02	1.16E-03
4927	420563.3	3740412	1.21E-02	0.00E+00	1.21E-02	1.18E-03
4928	420549.2	3740423	1.22E-02	0.00E+00	1.22E-02	1.20E-03

4929	420535.1	3740433	1.24E-02	0.00E+00	1.24E-02	1.21E-03
4930	420521	3740444	1.25E-02	0.00E+00	1.25E-02	1.23E-03
4931	420506.9	3740455	1.26E-02	0.00E+00	1.26E-02	1.23E-03
4932	420492.8	3740466	1.26E-02	0.00E+00	1.26E-02	1.24E-03
4933	420478.7	3740476	1.26E-02	0.00E+00	1.26E-02	1.23E-03
4934	420464.6	3740487	1.25E-02	0.00E+00	1.25E-02	1.22E-03
4935	420450.5	3740498	1.23E-02	0.00E+00	1.23E-02	1.21E-03
4936	420436.4	3740508	1.21E-02	0.00E+00	1.21E-02	1.19E-03
4937	420422.3	3740519	1.19E-02	0.00E+00	1.19E-02	1.16E-03
4938	420408.2	3740530	1.15E-02	0.00E+00	1.15E-02	1.13E-03
4939	420394.1	3740541	1.12E-02	0.00E+00	1.12E-02	1.09E-03
4940	420719.3	3740059	5.35E-03	0.00E+00	5.35E-03	5.23E-04
4941	420719.2	3740050	5.20E-03	0.00E+00	5.20E-03	5.09E-04
4942	420719.2	3740041	5.15E-03	0.00E+00	5.15E-03	5.05E-04
4943	420719.1	3740032	5.00E-03	0.00E+00	5.00E-03	4.90E-04
4944	420719.1	3740023	4.85E-03	0.00E+00	4.85E-03	4.75E-04
4945	420719	3740014	4.71E-03	0.00E+00	4.71E-03	4.61E-04
4946	420719	3740005	4.45E-03	0.00E+00	4.45E-03	4.36E-04
4947	420746.7	3740076	5.20E-03	0.00E+00	5.20E-03	5.09E-04
4948	420741.4	3740093	5.50E-03	0.00E+00	5.50E-03	5.38E-04
4949	420736.1	3740110	5.83E-03	0.00E+00	5.83E-03	5.71E-04
4950	420730.8	3740127	6.20E-03	0.00E+00	6.20E-03	6.07E-04
4951	420725.4	3740144	6.63E-03	0.00E+00	6.63E-03	6.49E-04
4952	420720.1	3740161	7.06E-03	0.00E+00	7.06E-03	6.92E-04
4953	420714.8	3740178	7.48E-03	0.00E+00	7.48E-03	7.33E-04
4954	420709.5	3740195	7.88E-03	0.00E+00	7.88E-03	7.72E-04
4955	420704.2	3740212	8.25E-03	0.00E+00	8.25E-03	8.08E-04
4956	420698.9	3740229	8.59E-03	0.00E+00	8.59E-03	8.42E-04
4957	420693.6	3740246	8.91E-03	0.00E+00	8.91E-03	8.72E-04
4958	420688.3	3740263	9.09E-03	0.00E+00	9.09E-03	8.90E-04
4959	420683	3740279	9.32E-03	0.00E+00	9.32E-03	9.13E-04
4960	420677.7	3740296	9.52E-03	0.00E+00	9.52E-03	9.32E-04
4961	420672.4	3740313	9.67E-03	0.00E+00	9.67E-03	9.47E-04
4962	420667.1	3740330	9.79E-03	0.00E+00	9.79E-03	9.58E-04
4963	420661.8	3740347	9.87E-03	0.00E+00	9.87E-03	9.66E-04
4964	420656.5	3740364	9.91E-03	0.00E+00	9.91E-03	9.70E-04
4965	420615.9	3740408	1.06E-02	0.00E+00	1.06E-02	1.04E-03
4966	420601.8	3740419	1.08E-02	0.00E+00	1.08E-02	1.06E-03
4967	420587.7	3740429	1.10E-02	0.00E+00	1.10E-02	1.08E-03
4968	420573.6	3740440	1.12E-02	0.00E+00	1.12E-02	1.10E-03
4969	420559.5	3740451	1.13E-02	0.00E+00	1.13E-02	1.11E-03
4970	420545.4	3740461	1.14E-02	0.00E+00	1.14E-02	1.12E-03
4971	420531.2	3740472	1.15E-02	0.00E+00	1.15E-02	1.13E-03
4972	420517.1	3740483	1.15E-02	0.00E+00	1.15E-02	1.13E-03
4973	420503	3740494	1.15E-02	0.00E+00	1.15E-02	1.13E-03
4974	420488.9	3740504	1.14E-02	0.00E+00	1.14E-02	1.12E-03
4975	420474.8	3740515	1.13E-02	0.00E+00	1.13E-02	1.11E-03

4976	420460.7	3740526	1.12E-02	0.00E+00	1.12E-02	1.10E-03
4977	420446.5	3740537	1.10E-02	0.00E+00	1.10E-02	1.08E-03
4978	420432.4	3740547	1.08E-02	0.00E+00	1.08E-02	1.05E-03
4979	420418.3	3740558	1.05E-02	0.00E+00	1.05E-02	1.02E-03
4980	420404.2	3740569	1.01E-02	0.00E+00	1.01E-02	9.91E-04
4981	420749.3	3740059	4.99E-03	0.00E+00	4.99E-03	4.89E-04
4982	420749.2	3740050	4.86E-03	0.00E+00	4.86E-03	4.76E-04
4983	420749.2	3740041	4.73E-03	0.00E+00	4.73E-03	4.63E-04
4984	420749.1	3740032	4.59E-03	0.00E+00	4.59E-03	4.50E-04
4985	420749.1	3740023	4.46E-03	0.00E+00	4.46E-03	4.37E-04
4986	420749	3740014	4.33E-03	0.00E+00	4.33E-03	4.24E-04
4987	420749	3740005	4.21E-03	0.00E+00	4.21E-03	4.12E-04
4988	420776.7	3740076	4.74E-03	0.00E+00	4.74E-03	4.64E-04
4989	420771.3	3740093	5.01E-03	0.00E+00	5.01E-03	4.90E-04
4990	420766	3740110	5.30E-03	0.00E+00	5.30E-03	5.19E-04
4991	420760.7	3740127	5.60E-03	0.00E+00	5.60E-03	5.48E-04
4992	420755.4	3740144	5.97E-03	0.00E+00	5.97E-03	5.85E-04
4993	420750.1	3740161	6.36E-03	0.00E+00	6.36E-03	6.23E-04
4994	420744.8	3740178	6.75E-03	0.00E+00	6.75E-03	6.61E-04
4995	420739.5	3740195	7.11E-03	0.00E+00	7.11E-03	6.96E-04
4996	420734.2	3740212	7.45E-03	0.00E+00	7.45E-03	7.30E-04
4997	420728.9	3740229	7.77E-03	0.00E+00	7.77E-03	7.61E-04
4998	420723.6	3740246	8.06E-03	0.00E+00	8.06E-03	7.90E-04
4999	420718.2	3740263	8.32E-03	0.00E+00	8.32E-03	8.15E-04
5000	420712.9	3740280	8.55E-03	0.00E+00	8.55E-03	8.37E-04
5001	420707.6	3740297	8.66E-03	0.00E+00	8.66E-03	8.48E-04
5002	420702.3	3740314	8.83E-03	0.00E+00	8.83E-03	8.64E-04
5003	420697	3740330	8.96E-03	0.00E+00	8.96E-03	8.77E-04
5004	420691.7	3740347	9.05E-03	0.00E+00	9.05E-03	8.86E-04
5005	420686.4	3740364	9.11E-03	0.00E+00	9.11E-03	8.92E-04
5006	420681.1	3740381	9.14E-03	0.00E+00	9.14E-03	8.95E-04
5007	420668.7	3740404	9.30E-03	0.00E+00	9.30E-03	9.11E-04
5008	420654.6	3740414	9.52E-03	0.00E+00	9.52E-03	9.33E-04
5009	420626.3	3740436	9.92E-03	0.00E+00	9.92E-03	9.72E-04
5010	420612.2	3740447	1.01E-02	0.00E+00	1.01E-02	9.89E-04
5011	420598	3740457	1.03E-02	0.00E+00	1.03E-02	1.00E-03
5012	420583.9	3740468	1.04E-02	0.00E+00	1.04E-02	1.02E-03
5013	420569.8	3740479	1.05E-02	0.00E+00	1.05E-02	1.03E-03
5014	420555.6	3740490	1.06E-02	0.00E+00	1.06E-02	1.03E-03
5015	420541.5	3740500	1.06E-02	0.00E+00	1.06E-02	1.04E-03
5016	420527.3	3740511	1.06E-02	0.00E+00	1.06E-02	1.04E-03
5017	420513.2	3740522	1.05E-02	0.00E+00	1.05E-02	1.03E-03
5018	420499.1	3740533	1.05E-02	0.00E+00	1.05E-02	1.03E-03
5019	420484.9	3740543	1.04E-02	0.00E+00	1.04E-02	1.02E-03
5020	420470.8	3740554	1.02E-02	0.00E+00	1.02E-02	1.00E-03
5021	420456.7	3740565	1.00E-02	0.00E+00	1.00E-02	9.83E-04
5022	420414.3	3740597	9.22E-03	0.00E+00	9.22E-03	9.03E-04

5023	420779.3	3740059	4.49E-03	0.00E+00	4.49E-03	4.39E-04
5024	420779.2	3740050	4.37E-03	0.00E+00	4.37E-03	4.28E-04
5025	420779.2	3740041	4.34E-03	0.00E+00	4.34E-03	4.25E-04
5026	420779.1	3740023	4.11E-03	0.00E+00	4.11E-03	4.03E-04
5027	420779	3740014	4.00E-03	0.00E+00	4.00E-03	3.92E-04
5028	420779	3740005	3.89E-03	0.00E+00	3.89E-03	3.81E-04
5029	420806.6	3740076	4.35E-03	0.00E+00	4.35E-03	4.26E-04
5030	420801.3	3740093	4.59E-03	0.00E+00	4.59E-03	4.49E-04
5031	420796	3740110	4.83E-03	0.00E+00	4.83E-03	4.73E-04
5032	420790.7	3740127	5.09E-03	0.00E+00	5.09E-03	4.99E-04
5033	420785.4	3740144	5.40E-03	0.00E+00	5.40E-03	5.28E-04
5034	420780.1	3740161	5.72E-03	0.00E+00	5.72E-03	5.60E-04
5035	420774.8	3740178	6.09E-03	0.00E+00	6.09E-03	5.97E-04
5036	420769.4	3740195	6.44E-03	0.00E+00	6.44E-03	6.31E-04
5037	420764.1	3740212	6.77E-03	0.00E+00	6.77E-03	6.63E-04
5038	420758.8	3740229	7.06E-03	0.00E+00	7.06E-03	6.92E-04
5039	420753.5	3740246	7.33E-03	0.00E+00	7.33E-03	7.18E-04
5040	420748.2	3740263	7.57E-03	0.00E+00	7.57E-03	7.41E-04
5041	420742.9	3740280	7.79E-03	0.00E+00	7.79E-03	7.63E-04
5042	420737.5	3740297	7.98E-03	0.00E+00	7.98E-03	7.81E-04
5043	420732.2	3740314	8.14E-03	0.00E+00	8.14E-03	7.97E-04
5044	420726.9	3740331	8.27E-03	0.00E+00	8.27E-03	8.10E-04
5045	420721.6	3740348	8.30E-03	0.00E+00	8.30E-03	8.13E-04
5046	420716.3	3740365	8.38E-03	0.00E+00	8.38E-03	8.21E-04
5047	420711	3740382	8.48E-03	0.00E+00	8.48E-03	8.31E-04
5048	420705.6	3740399	8.50E-03	0.00E+00	8.50E-03	8.32E-04
5049	420693.2	3740421	8.59E-03	0.00E+00	8.59E-03	8.41E-04
5050	420679.1	3740432	8.78E-03	0.00E+00	8.78E-03	8.60E-04
5051	420664.9	3740442	8.97E-03	0.00E+00	8.97E-03	8.78E-04
5052	420622.5	3740475	9.45E-03	0.00E+00	9.45E-03	9.25E-04
5053	420608.3	3740485	9.58E-03	0.00E+00	9.58E-03	9.38E-04
5054	420594.2	3740496	9.65E-03	0.00E+00	9.65E-03	9.45E-04
5055	420580	3740507	9.73E-03	0.00E+00	9.73E-03	9.52E-04
5056	420565.9	3740518	9.77E-03	0.00E+00	9.77E-03	9.57E-04
5057	420551.7	3740528	9.78E-03	0.00E+00	9.78E-03	9.57E-04
5058	420537.6	3740539	9.75E-03	0.00E+00	9.75E-03	9.55E-04
5059	420523.4	3740550	9.71E-03	0.00E+00	9.71E-03	9.50E-04
5060	420509.2	3740561	9.62E-03	0.00E+00	9.62E-03	9.42E-04
5061	420466.8	3740593	9.18E-03	0.00E+00	9.18E-03	8.99E-04
5062	420452.6	3740604	8.97E-03	0.00E+00	8.97E-03	8.78E-04
5063	420438.5	3740615	8.72E-03	0.00E+00	8.72E-03	8.54E-04
5064	420424.3	3740625	8.46E-03	0.00E+00	8.46E-03	8.28E-04
5065	420809.3	3740059	4.12E-03	0.00E+00	4.12E-03	4.04E-04
5066	420809.2	3740050	4.02E-03	0.00E+00	4.02E-03	3.93E-04
5067	420809.2	3740041	3.91E-03	0.00E+00	3.91E-03	3.83E-04
5068	420809.1	3740032	3.81E-03	0.00E+00	3.81E-03	3.73E-04
5069	420809.1	3740023	3.72E-03	0.00E+00	3.72E-03	3.64E-04

5070	420809	3740014	3.62E-03	0.00E+00	3.62E-03	3.55E-04
5071	420809	3740005	3.61E-03	0.00E+00	3.61E-03	3.53E-04
5072	420820.2	3740160	5.08E-03	0.00E+00	5.08E-03	4.98E-04
5073	420815	3740177	5.40E-03	0.00E+00	5.40E-03	5.29E-04
5074	420809.7	3740194	5.71E-03	0.00E+00	5.71E-03	5.59E-04
5075	420804.4	3740211	5.98E-03	0.00E+00	5.98E-03	5.86E-04
5076	420799.1	3740228	6.24E-03	0.00E+00	6.24E-03	6.11E-04
5077	420793.8	3740245	6.49E-03	0.00E+00	6.49E-03	6.35E-04
5078	420788.5	3740261	6.71E-03	0.00E+00	6.71E-03	6.57E-04
5079	420783.3	3740278	6.91E-03	0.00E+00	6.91E-03	6.77E-04
5080	420778	3740295	7.09E-03	0.00E+00	7.09E-03	6.94E-04
5081	420772.7	3740312	7.24E-03	0.00E+00	7.24E-03	7.09E-04
5082	420767.4	3740329	7.38E-03	0.00E+00	7.38E-03	7.22E-04
5083	420762.1	3740346	7.49E-03	0.00E+00	7.49E-03	7.33E-04
5084	420756.8	3740363	7.57E-03	0.00E+00	7.57E-03	7.42E-04
5085	420751.6	3740379	7.64E-03	0.00E+00	7.64E-03	7.48E-04
5086	420746.3	3740396	7.67E-03	0.00E+00	7.67E-03	7.52E-04
5087	420741	3740413	7.68E-03	0.00E+00	7.68E-03	7.52E-04
5088	420735.7	3740430	7.66E-03	0.00E+00	7.66E-03	7.50E-04
5089	420726	3740444	7.72E-03	0.00E+00	7.72E-03	7.56E-04
5090	420712	3740455	7.90E-03	0.00E+00	7.90E-03	7.74E-04
5091	420697.9	3740465	8.08E-03	0.00E+00	8.08E-03	7.91E-04
5092	420683.8	3740476	8.24E-03	0.00E+00	8.24E-03	8.07E-04
5093	420669.8	3740487	8.39E-03	0.00E+00	8.39E-03	8.21E-04
5094	420655.7	3740497	8.52E-03	0.00E+00	8.52E-03	8.34E-04
5095	420627.5	3740519	8.69E-03	0.00E+00	8.69E-03	8.51E-04
5096	420613.5	3740529	8.76E-03	0.00E+00	8.76E-03	8.58E-04
5097	420599.4	3740540	8.81E-03	0.00E+00	8.81E-03	8.63E-04
5098	420585.3	3740551	8.84E-03	0.00E+00	8.84E-03	8.66E-04
5099	420571.3	3740561	8.84E-03	0.00E+00	8.84E-03	8.66E-04
5100	420529.1	3740594	8.67E-03	0.00E+00	8.67E-03	8.49E-04
5101	420515	3740604	8.56E-03	0.00E+00	8.56E-03	8.39E-04
5102	420500.9	3740615	8.44E-03	0.00E+00	8.44E-03	8.26E-04
5103	420486.9	3740626	8.28E-03	0.00E+00	8.28E-03	8.11E-04
5104	420472.8	3740636	8.10E-03	0.00E+00	8.10E-03	7.93E-04
5105	420458.7	3740647	7.90E-03	0.00E+00	7.90E-03	7.74E-04
5106	420444.7	3740658	7.68E-03	0.00E+00	7.68E-03	7.52E-04
5107	420822.2	3740282	6.21E-03	0.00E+00	6.21E-03	6.08E-04
5108	420816.8	3740299	6.37E-03	0.00E+00	6.37E-03	6.24E-04
5109	420811.4	3740316	6.51E-03	0.00E+00	6.51E-03	6.38E-04
5110	420806.1	3740333	6.64E-03	0.00E+00	6.64E-03	6.50E-04
5111	420800.7	3740350	6.76E-03	0.00E+00	6.76E-03	6.62E-04
5112	420798	3740359	6.81E-03	0.00E+00	6.81E-03	6.67E-04
5113	420792.6	3740376	6.89E-03	0.00E+00	6.89E-03	6.75E-04
5114	420787.3	3740393	6.95E-03	0.00E+00	6.95E-03	6.80E-04
5115	420781.9	3740410	6.98E-03	0.00E+00	6.98E-03	6.84E-04
5116	420776.5	3740427	6.99E-03	0.00E+00	6.99E-03	6.85E-04

5117	420771.2	3740444	6.97E-03	0.00E+00	6.97E-03	6.83E-04
5118	420768.5	3740453	6.95E-03	0.00E+00	6.95E-03	6.81E-04
5119	420758.6	3740467	7.01E-03	0.00E+00	7.01E-03	6.86E-04
5120	420744.3	3740478	7.17E-03	0.00E+00	7.17E-03	7.02E-04
5121	420737.2	3740483	7.24E-03	0.00E+00	7.24E-03	7.09E-04
5122	420730	3740489	7.31E-03	0.00E+00	7.31E-03	7.16E-04
5123	420715.8	3740500	7.43E-03	0.00E+00	7.43E-03	7.28E-04
5124	420708.6	3740505	7.50E-03	0.00E+00	7.50E-03	7.34E-04
5125	420694.3	3740516	7.63E-03	0.00E+00	7.63E-03	7.47E-04
5126	420687.2	3740521	7.69E-03	0.00E+00	7.69E-03	7.53E-04
5127	420680	3740527	7.74E-03	0.00E+00	7.74E-03	7.58E-04
5128	420665.7	3740538	7.84E-03	0.00E+00	7.84E-03	7.67E-04
5129	420658.6	3740543	7.88E-03	0.00E+00	7.88E-03	7.72E-04
5130	420651.4	3740548	7.92E-03	0.00E+00	7.92E-03	7.76E-04
5131	420587.1	3740597	8.03E-03	0.00E+00	8.03E-03	7.86E-04
5132	420579.9	3740603	8.01E-03	0.00E+00	8.01E-03	7.85E-04
5133	420572.8	3740608	7.99E-03	0.00E+00	7.99E-03	7.82E-04
5134	420558.5	3740619	7.94E-03	0.00E+00	7.94E-03	7.77E-04
5135	420551.3	3740624	7.90E-03	0.00E+00	7.90E-03	7.74E-04
5136	420544.2	3740630	7.86E-03	0.00E+00	7.86E-03	7.70E-04
5137	420529.9	3740641	7.73E-03	0.00E+00	7.73E-03	7.57E-04
5138	420522.7	3740646	7.67E-03	0.00E+00	7.67E-03	7.51E-04
5139	420515.6	3740652	7.61E-03	0.00E+00	7.61E-03	7.45E-04
5140	420501.3	3740663	7.46E-03	0.00E+00	7.46E-03	7.31E-04
5141	420494.1	3740668	7.38E-03	0.00E+00	7.38E-03	7.23E-04
5142	420487	3740673	7.30E-03	0.00E+00	7.30E-03	7.15E-04
5143	420472.7	3740684	7.12E-03	0.00E+00	7.12E-03	6.97E-04
5144	420465.5	3740690	7.02E-03	0.00E+00	7.02E-03	6.87E-04
5145	420451.2	3740701	6.81E-03	0.00E+00	6.81E-03	6.67E-04
5146	420444.1	3740706	6.70E-03	0.00E+00	6.70E-03	6.56E-04
5147	420825.2	3740399	6.33E-03	0.00E+00	6.33E-03	6.20E-04
5148	420819.9	3740416	6.37E-03	0.00E+00	6.37E-03	6.24E-04
5149	420814.5	3740433	6.39E-03	0.00E+00	6.39E-03	6.26E-04
5150	420809.2	3740450	6.40E-03	0.00E+00	6.40E-03	6.26E-04
5151	420803.9	3740467	6.38E-03	0.00E+00	6.38E-03	6.25E-04
5152	420791.4	3740490	6.41E-03	0.00E+00	6.41E-03	6.28E-04
5153	420777.2	3740501	6.53E-03	0.00E+00	6.53E-03	6.40E-04
5154	420763	3740511	6.65E-03	0.00E+00	6.65E-03	6.51E-04
5155	420748.8	3740522	6.75E-03	0.00E+00	6.75E-03	6.61E-04
5156	420734.6	3740533	6.84E-03	0.00E+00	6.84E-03	6.70E-04
5157	420720.4	3740544	6.94E-03	0.00E+00	6.94E-03	6.80E-04
5158	420706.1	3740555	7.04E-03	0.00E+00	7.04E-03	6.90E-04
5159	420691.9	3740565	7.14E-03	0.00E+00	7.14E-03	6.99E-04
5160	420620.9	3740619	7.33E-03	0.00E+00	7.33E-03	7.17E-04
5161	420606.7	3740630	7.29E-03	0.00E+00	7.29E-03	7.14E-04
5162	420592.5	3740641	7.26E-03	0.00E+00	7.26E-03	7.11E-04
5163	420578.2	3740652	7.22E-03	0.00E+00	7.22E-03	7.07E-04

5164	420564	3740663	7.16E-03	0.00E+00	7.16E-03	7.01E-04
5165	420549.8	3740673	7.07E-03	0.00E+00	7.07E-03	6.93E-04
5166	420535.6	3740684	6.97E-03	0.00E+00	6.97E-03	6.83E-04
5167	420521.4	3740695	6.82E-03	0.00E+00	6.82E-03	6.68E-04
5168	420514.3	3740701	6.75E-03	0.00E+00	6.75E-03	6.61E-04
5169	420500.1	3740711	6.60E-03	0.00E+00	6.60E-03	6.47E-04
5170	420485.9	3740722	6.44E-03	0.00E+00	6.44E-03	6.31E-04
5171	420478.8	3740728	6.36E-03	0.00E+00	6.36E-03	6.23E-04
5172	420464.5	3740738	6.18E-03	0.00E+00	6.18E-03	6.05E-04
5173	420824.2	3740513	5.87E-03	0.00E+00	5.87E-03	5.75E-04
5174	420810.1	3740524	5.97E-03	0.00E+00	5.97E-03	5.84E-04
5175	420795.9	3740534	6.06E-03	0.00E+00	6.06E-03	5.94E-04
5176	420781.8	3740545	6.14E-03	0.00E+00	6.14E-03	6.01E-04
5177	420767.6	3740556	6.21E-03	0.00E+00	6.21E-03	6.08E-04
5178	420711.1	3740599	6.59E-03	0.00E+00	6.59E-03	6.45E-04
5179	420697	3740610	6.66E-03	0.00E+00	6.66E-03	6.52E-04
5180	420682.8	3740620	6.71E-03	0.00E+00	6.71E-03	6.57E-04
5181	420668.7	3740631	6.73E-03	0.00E+00	6.73E-03	6.59E-04
5182	420612.2	3740674	6.67E-03	0.00E+00	6.67E-03	6.53E-04
5183	420598	3740685	6.62E-03	0.00E+00	6.62E-03	6.49E-04
5184	420583.9	3740695	6.56E-03	0.00E+00	6.56E-03	6.43E-04
5185	420569.7	3740706	6.49E-03	0.00E+00	6.49E-03	6.35E-04
5186	420555.6	3740717	6.36E-03	0.00E+00	6.36E-03	6.23E-04
5187	420541.5	3740728	6.26E-03	0.00E+00	6.26E-03	6.13E-04
5188	420527.3	3740738	6.14E-03	0.00E+00	6.14E-03	6.01E-04
5189	420513.2	3740749	6.00E-03	0.00E+00	6.00E-03	5.88E-04
5190	420499.1	3740760	5.86E-03	0.00E+00	5.86E-03	5.74E-04
5191	420484.9	3740771	5.71E-03	0.00E+00	5.71E-03	5.59E-04
5192	420828.8	3740557	5.58E-03	0.00E+00	5.58E-03	5.47E-04
5193	420772.6	3740600	5.86E-03	0.00E+00	5.86E-03	5.74E-04
5194	420758.5	3740611	5.92E-03	0.00E+00	5.92E-03	5.80E-04
5195	420744.4	3740621	6.00E-03	0.00E+00	6.00E-03	5.88E-04
5196	420730.3	3740632	6.09E-03	0.00E+00	6.09E-03	5.96E-04
5197	420716.3	3740643	6.15E-03	0.00E+00	6.15E-03	6.02E-04
5198	420702.2	3740653	6.19E-03	0.00E+00	6.19E-03	6.06E-04
5199	420688.1	3740664	6.20E-03	0.00E+00	6.20E-03	6.07E-04
5200	420674.1	3740675	6.20E-03	0.00E+00	6.20E-03	6.07E-04
5201	420660	3740685	6.20E-03	0.00E+00	6.20E-03	6.07E-04
5202	420617.8	3740718	6.07E-03	0.00E+00	6.07E-03	5.95E-04
5203	420603.7	3740728	6.02E-03	0.00E+00	6.02E-03	5.89E-04
5204	420589.7	3740739	5.94E-03	0.00E+00	5.94E-03	5.82E-04
5205	420575.6	3740750	5.86E-03	0.00E+00	5.86E-03	5.74E-04
5206	420561.5	3740760	5.77E-03	0.00E+00	5.77E-03	5.65E-04
5207	420547.5	3740771	5.66E-03	0.00E+00	5.66E-03	5.54E-04
5208	420533.4	3740782	5.54E-03	0.00E+00	5.54E-03	5.43E-04
5209	420519.3	3740792	5.42E-03	0.00E+00	5.42E-03	5.31E-04
5210	420505.3	3740803	5.28E-03	0.00E+00	5.28E-03	5.17E-04

5211	420491.2	3740814	5.14E-03	0.00E+00	5.14E-03	5.03E-04
5212	420818.3	3740613	5.38E-03	0.00E+00	5.38E-03	5.27E-04
5213	420811.2	3740618	5.42E-03	0.00E+00	5.42E-03	5.30E-04
5214	420797	3740629	5.48E-03	0.00E+00	5.48E-03	5.36E-04
5215	420789.8	3740635	5.50E-03	0.00E+00	5.50E-03	5.39E-04
5216	420775.6	3740646	5.55E-03	0.00E+00	5.55E-03	5.43E-04
5217	420768.4	3740651	5.58E-03	0.00E+00	5.58E-03	5.46E-04
5218	420754.2	3740662	5.64E-03	0.00E+00	5.64E-03	5.52E-04
5219	420747.1	3740667	5.66E-03	0.00E+00	5.66E-03	5.54E-04
5220	420732.8	3740678	5.71E-03	0.00E+00	5.71E-03	5.59E-04
5221	420725.7	3740683	5.72E-03	0.00E+00	5.72E-03	5.60E-04
5222	420711.4	3740694	5.74E-03	0.00E+00	5.74E-03	5.62E-04
5223	420704.3	3740700	5.74E-03	0.00E+00	5.74E-03	5.62E-04
5224	420690.1	3740711	5.72E-03	0.00E+00	5.72E-03	5.60E-04
5225	420682.9	3740716	5.72E-03	0.00E+00	5.72E-03	5.60E-04
5226	420668.7	3740727	5.70E-03	0.00E+00	5.70E-03	5.58E-04
5227	420661.5	3740732	5.68E-03	0.00E+00	5.68E-03	5.57E-04
5228	420618.8	3740765	5.54E-03	0.00E+00	5.54E-03	5.42E-04
5229	420604.5	3740776	5.47E-03	0.00E+00	5.47E-03	5.36E-04
5230	420597.4	3740781	5.43E-03	0.00E+00	5.43E-03	5.32E-04
5231	420583.2	3740792	5.35E-03	0.00E+00	5.35E-03	5.24E-04
5232	420576	3740797	5.31E-03	0.00E+00	5.31E-03	5.20E-04
5233	420561.8	3740808	5.21E-03	0.00E+00	5.21E-03	5.10E-04
5234	420554.6	3740813	5.15E-03	0.00E+00	5.15E-03	5.05E-04
5235	420540.4	3740824	5.04E-03	0.00E+00	5.04E-03	4.94E-04
5236	420533.3	3740830	4.98E-03	0.00E+00	4.98E-03	4.88E-04
5237	420519	3740841	4.86E-03	0.00E+00	4.86E-03	4.76E-04
5238	420511.9	3740846	4.80E-03	0.00E+00	4.80E-03	4.70E-04
5239	420497.6	3740857	4.67E-03	0.00E+00	4.67E-03	4.57E-04
5240	420823.1	3740657	5.09E-03	0.00E+00	5.09E-03	4.98E-04
5241	420808.9	3740668	5.13E-03	0.00E+00	5.13E-03	5.03E-04
5242	420794.7	3740679	5.19E-03	0.00E+00	5.19E-03	5.08E-04
5243	420780.5	3740690	5.25E-03	0.00E+00	5.25E-03	5.14E-04
5244	420766.3	3740700	5.28E-03	0.00E+00	5.28E-03	5.17E-04
5245	420752.1	3740711	5.30E-03	0.00E+00	5.30E-03	5.19E-04
5246	420738	3740722	5.31E-03	0.00E+00	5.31E-03	5.20E-04
5247	420723.8	3740733	5.32E-03	0.00E+00	5.32E-03	5.21E-04
5248	420709.6	3740744	5.32E-03	0.00E+00	5.32E-03	5.21E-04
5249	420695.4	3740754	5.29E-03	0.00E+00	5.29E-03	5.18E-04
5250	420681.2	3740765	5.26E-03	0.00E+00	5.26E-03	5.15E-04
5251	420667	3740776	5.23E-03	0.00E+00	5.23E-03	5.12E-04
5252	420610.3	3740819	5.00E-03	0.00E+00	5.00E-03	4.90E-04
5253	420596.1	3740830	4.93E-03	0.00E+00	4.93E-03	4.83E-04
5254	420581.9	3740841	4.84E-03	0.00E+00	4.84E-03	4.74E-04
5255	420567.7	3740851	4.75E-03	0.00E+00	4.75E-03	4.65E-04
5256	420553.5	3740862	4.65E-03	0.00E+00	4.65E-03	4.55E-04
5257	420539.4	3740873	4.54E-03	0.00E+00	4.54E-03	4.45E-04

5258	420525.2	3740884	4.43E-03	0.00E+00	4.43E-03	4.34E-04
5259	420828	3740701	4.80E-03	0.00E+00	4.80E-03	4.70E-04
5260	420813.9	3740712	4.86E-03	0.00E+00	4.86E-03	4.76E-04
5261	420799.8	3740723	4.89E-03	0.00E+00	4.89E-03	4.79E-04
5262	420785.6	3740734	4.91E-03	0.00E+00	4.91E-03	4.81E-04
5263	420771.5	3740744	4.93E-03	0.00E+00	4.93E-03	4.82E-04
5264	420757.4	3740755	4.93E-03	0.00E+00	4.93E-03	4.83E-04
5265	420743.3	3740766	4.94E-03	0.00E+00	4.94E-03	4.84E-04
5266	420729.1	3740777	4.94E-03	0.00E+00	4.94E-03	4.84E-04
5267	420715	3740787	4.93E-03	0.00E+00	4.93E-03	4.83E-04
5268	420700.9	3740798	4.91E-03	0.00E+00	4.91E-03	4.81E-04
5269	420686.8	3740809	4.88E-03	0.00E+00	4.88E-03	4.78E-04
5270	420672.7	3740819	4.84E-03	0.00E+00	4.84E-03	4.74E-04
5271	420658.5	3740830	4.80E-03	0.00E+00	4.80E-03	4.70E-04
5272	420616.2	3740862	4.61E-03	0.00E+00	4.61E-03	4.52E-04
5273	420602	3740873	4.51E-03	0.00E+00	4.51E-03	4.42E-04
5274	420587.9	3740884	4.43E-03	0.00E+00	4.43E-03	4.34E-04
5275	420573.8	3740895	4.34E-03	0.00E+00	4.34E-03	4.25E-04
5276	420559.7	3740905	4.25E-03	0.00E+00	4.25E-03	4.16E-04
5277	420545.5	3740916	4.15E-03	0.00E+00	4.15E-03	4.06E-04
5278	420531.4	3740927	4.04E-03	0.00E+00	4.04E-03	3.96E-04
5279	420830.7	3740747	4.54E-03	0.00E+00	4.54E-03	4.45E-04
5280	420823.5	3740753	4.56E-03	0.00E+00	4.56E-03	4.46E-04
5281	420809.2	3740764	4.58E-03	0.00E+00	4.58E-03	4.48E-04
5282	420802.1	3740769	4.58E-03	0.00E+00	4.58E-03	4.49E-04
5283	420794.9	3740774	4.59E-03	0.00E+00	4.59E-03	4.49E-04
5284	420780.7	3740785	4.59E-03	0.00E+00	4.59E-03	4.49E-04
5285	420773.5	3740791	4.59E-03	0.00E+00	4.59E-03	4.49E-04
5286	420759.2	3740802	4.60E-03	0.00E+00	4.60E-03	4.50E-04
5287	420752.1	3740807	4.60E-03	0.00E+00	4.60E-03	4.50E-04
5288	420744.9	3740812	4.60E-03	0.00E+00	4.60E-03	4.50E-04
5289	420730.7	3740823	4.59E-03	0.00E+00	4.59E-03	4.49E-04
5290	420723.5	3740829	4.58E-03	0.00E+00	4.58E-03	4.49E-04
5291	420709.2	3740840	4.56E-03	0.00E+00	4.56E-03	4.46E-04
5292	420702.1	3740845	4.54E-03	0.00E+00	4.54E-03	4.45E-04
5293	420695	3740850	4.52E-03	0.00E+00	4.52E-03	4.43E-04
5294	420680.7	3740861	4.48E-03	0.00E+00	4.48E-03	4.39E-04
5295	420673.5	3740867	4.46E-03	0.00E+00	4.46E-03	4.37E-04
5296	420659.2	3740878	4.40E-03	0.00E+00	4.40E-03	4.31E-04
5297	420652.1	3740883	4.38E-03	0.00E+00	4.38E-03	4.28E-04
5298	420609.2	3740916	4.17E-03	0.00E+00	4.17E-03	4.08E-04
5299	420602.1	3740921	4.11E-03	0.00E+00	4.11E-03	4.02E-04
5300	420595	3740926	4.07E-03	0.00E+00	4.07E-03	3.99E-04
5301	420580.7	3740937	3.99E-03	0.00E+00	3.99E-03	3.90E-04
5302	420573.5	3740943	3.94E-03	0.00E+00	3.94E-03	3.86E-04
5303	420559.2	3740954	3.85E-03	0.00E+00	3.85E-03	3.77E-04
5304	420552.1	3740959	3.80E-03	0.00E+00	3.80E-03	3.72E-04

5305	420545	3740964	3.75E-03	0.00E+00	3.75E-03	3.68E-04
5306	420828.5	3740797	4.27E-03	0.00E+00	4.27E-03	4.18E-04
5307	420821.4	3740802	4.28E-03	0.00E+00	4.28E-03	4.19E-04
5308	420807.2	3740813	4.30E-03	0.00E+00	4.30E-03	4.21E-04
5309	420793	3740824	4.31E-03	0.00E+00	4.31E-03	4.22E-04
5310	420778.8	3740835	4.31E-03	0.00E+00	4.31E-03	4.22E-04
5311	420771.6	3740840	4.31E-03	0.00E+00	4.31E-03	4.22E-04
5312	420757.4	3740851	4.30E-03	0.00E+00	4.30E-03	4.21E-04
5313	420743.2	3740862	4.29E-03	0.00E+00	4.29E-03	4.20E-04
5314	420729	3740872	4.26E-03	0.00E+00	4.26E-03	4.18E-04
5315	420714.7	3740883	4.23E-03	0.00E+00	4.23E-03	4.15E-04
5316	420707.6	3740889	4.21E-03	0.00E+00	4.21E-03	4.13E-04
5317	420693.4	3740899	4.17E-03	0.00E+00	4.17E-03	4.08E-04
5318	420679.2	3740910	4.12E-03	0.00E+00	4.12E-03	4.04E-04
5319	420672.1	3740916	4.10E-03	0.00E+00	4.10E-03	4.01E-04
5320	420657.9	3740926	4.04E-03	0.00E+00	4.04E-03	3.96E-04
5321	420622.3	3740953	3.88E-03	0.00E+00	3.88E-03	3.80E-04
5322	420608.1	3740964	3.78E-03	0.00E+00	3.78E-03	3.71E-04
5323	420593.8	3740975	3.73E-03	0.00E+00	3.73E-03	3.65E-04
5324	420586.7	3740981	3.68E-03	0.00E+00	3.68E-03	3.61E-04
5325	420572.5	3740991	3.60E-03	0.00E+00	3.60E-03	3.52E-04
5326	420558.3	3741002	3.51E-03	0.00E+00	3.51E-03	3.44E-04
5327	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5328	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5329	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5330	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5331	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5332	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5333	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5334	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5335	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5336	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5337	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5338	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5339	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5340	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5341	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5342	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5343	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5344	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5345	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5346	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5347	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5348	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5349	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5350	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5351	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5352	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5353	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5354	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5355	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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5468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5643	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5644	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5645	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5646	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5647	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5648	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5649	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5650	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5651	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5652	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5653	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5654	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5655	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5656	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5753	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5754	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5755	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5756	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5757	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5758	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5759	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5760	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5761	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5762	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5763	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5764	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5765	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5766	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5815	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5816	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5817	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5818	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5819	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5820	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5821	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5822	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5823	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5824	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5825	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5826	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5827	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5828	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5829	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5830	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5831	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5832	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5833	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5834	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5835	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5836	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5837	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5838	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5839	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5840	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5841	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5842	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5843	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5844	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5845	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5846	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5847	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5848	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5849	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5850	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5851	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5852	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5853	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5854	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5855	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5856	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5857	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5858	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5859	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5860	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5861	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5862	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5863	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5864	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5865	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5866	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5867	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5868	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5869	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5870	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5871	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5872	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5873	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5874	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5875	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5876	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5877	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5878	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5879	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5880	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5881	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5882	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5883	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5884	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5885	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5886	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5887	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5888	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5889	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5890	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5891	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5892	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5893	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5894	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5895	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5896	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5897	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5898	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5899	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5900	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5901	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5902	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5903	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5904	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5905	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5906	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5907	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5908	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5909	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5910	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5911	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5912	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5913	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5914	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5915	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5916	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5917	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5918	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5919	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5920	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5921	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5922	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5923	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5924	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5925	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5926	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5927	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5928	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5929	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5930	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5931	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5932	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5933	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5934	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5935	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5936	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5937	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5938	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5939	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5940	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5941	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5942	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5943	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5944	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5945	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5946	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5947	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5948	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5949	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5950	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5951	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5952	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5953	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5954	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5955	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5956	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5957	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5958	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5959	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5960	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5961	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5962	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5963	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5964	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5965	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5966	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5967	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5968	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5969	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5970	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5971	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5972	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5973	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5974	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5975	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5976	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5977	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5978	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5979	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5980	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5981	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5982	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5983	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5984	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5985	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5986	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5987	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5988	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5989	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5990	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5991	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5992	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5993	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5994	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5995	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5996	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5997	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5998	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5999	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6000	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6001	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6002	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6003	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6004	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6005	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6006	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6007	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6008	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6009	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6010	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6011	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6012	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6013	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6014	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6015	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6016	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6017	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6018	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6019	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6020	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6021	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6022	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6023	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6024	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6025	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6026	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6027	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6028	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6029	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6030	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6031	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6033	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6034	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6035	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6036	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6037	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6038	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6039	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6040	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6041	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6042	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6043	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6044	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6045	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6046	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6048	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6049	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6050	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6051	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6052	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6053	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6054	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6055	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6057	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6058	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6059	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6060	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6061	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6063	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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6065	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6066	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6067	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6068	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6069	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6070	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6071	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6072	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6073	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6074	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6075	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6076	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6077	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6078	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6079	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6080	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6081	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6082	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6083	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6084	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6085	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6086	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6087	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6088	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6089	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6090	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6091	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6092	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6093	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6094	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6096	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6097	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6098	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6099	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6100	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6101	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6102	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6103	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6104	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6105	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6106	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6107	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6108	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6109	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6110	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6111	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6112	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6113	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6114	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6115	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6116	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6117	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6118	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6119	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6120	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6121	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6122	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6123	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6124	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6125	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6126	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6127	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6128	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6129	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6130	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6131	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6132	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6133	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6134	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6135	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6136	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6137	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6138	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6139	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6140	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6141	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6142	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6143	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6144	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6145	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6146	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6147	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6148	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6149	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6150	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6151	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6152	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6153	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6154	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6155	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6156	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6157	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6158	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6159	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6160	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6161	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6162	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6163	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6164	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6165	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6166	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6167	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6168	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6169	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6170	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6171	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6172	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6173	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6174	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6175	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6176	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6177	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6178	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6179	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6180	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6181	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6182	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6183	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6184	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6185	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6186	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6187	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6188	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6189	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6190	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6191	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6192	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6193	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6194	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6195	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6196	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6197	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6198	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6199	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6200	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6201	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6202	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6203	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6204	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6205	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6206	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6207	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6208	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6209	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6210	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6211	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6212	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6213	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6214	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6215	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6216	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6217	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6218	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6219	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6220	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6221	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6222	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6223	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6224	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6225	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6226	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6227	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6228	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6229	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6230	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6231	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6232	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6233	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6234	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6235	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6236	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6237	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6238	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6239	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6240	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6241	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6242	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6243	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6244	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6245	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6246	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6247	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6248	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6249	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6250	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6251	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6252	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6253	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6254	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6255	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6256	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6257	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6258	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6259	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6260	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6261	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6262	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6263	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6264	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6265	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6266	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6267	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6268	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6269	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6270	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6271	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6272	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6273	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6274	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6275	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6276	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6277	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6278	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6279	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6280	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6281	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6282	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6283	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6284	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6285	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6286	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6287	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6288	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6289	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6290	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6291	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6292	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6293	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6294	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6295	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6296	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6297	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6298	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6299	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6300	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6301	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6302	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6303	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6304	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6305	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6306	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6307	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6308	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			UnMitigated				67	T2					T2L3					T4				
							6.71E-07					0.00E+00					6.71E-07				6.69E-08
					63	419760.21	3739495.88															
			Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total	Yr 1	Yr 2	Yr 3	Yr 4	Total
1	420831.2	3739962.06	3.46E-08	4.96E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-08	4.96E-07	0.00E+00	0.00E+00	5.31E-07	4.35E-09	4.86E-08	0.00E+00	0.00E+00	5.29E-08
2	420834.76	3739970.56	3.52E-08	5.05E-07	0.00E+00	0.00E+00	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-08	5.05E-07	0.00E+00	0.00E+00	5.40E-07	4.42E-09	4.94E-08	0.00E+00	0.00E+00	5.38E-08
3	420838.32	3739979.06	3.58E-08	5.13E-07	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-08	5.13E-07	0.00E+00	0.00E+00	5.49E-07	4.50E-09	5.03E-08	0.00E+00	0.00E+00	5.48E-08
4	420841.88	3739987.56	3.54E-08	5.09E-07	0.00E+00	0.00E+00	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-08	5.09E-07	0.00E+00	0.00E+00	5.44E-07	4.46E-09	4.98E-08	0.00E+00	0.00E+00	5.43E-08
5	420845.43	3739996.06	3.59E-08	5.15E-07	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-08	5.15E-07	0.00E+00	0.00E+00	5.51E-07	4.52E-09	5.05E-08	0.00E+00	0.00E+00	5.50E-08
6	420835.33	3739876.15	2.56E-08	3.68E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-08	3.68E-07	0.00E+00	0.00E+00	3.94E-07	3.22E-09	3.60E-08	0.00E+00	0.00E+00	3.92E-08
7	420838.91	3739884.69	2.61E-08	3.75E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-08	3.75E-07	0.00E+00	0.00E+00	4.01E-07	3.28E-09	3.67E-08	0.00E+00	0.00E+00	4.00E-08
8	420842.48	3739893.24	2.66E-08	3.82E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	3.82E-07	0.00E+00	0.00E+00	4.09E-07	3.35E-09	3.74E-08	0.00E+00	0.00E+00	4.08E-08
9	420846.06	3739901.79	2.72E-08	3.90E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-08	3.90E-07	0.00E+00	0.00E+00	4.18E-07	3.42E-09	3.82E-08	0.00E+00	0.00E+00	4.17E-08
10	420849.64	3739910.34	2.78E-08	3.99E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-08	3.99E-07	0.00E+00	0.00E+00	4.26E-07	3.49E-09	3.90E-08	0.00E+00	0.00E+00	4.25E-08
11	420853.22	3739918.88	2.83E-08	4.07E-07	0.00E+00	0.00E+00	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-08	4.07E-07	0.00E+00	0.00E+00	4.35E-07	3.56E-09	3.98E-08	0.00E+00	0.00E+00	4.34E-08
12	420856.79	3739927.43	2.88E-08	4.13E-07	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-08	4.13E-07	0.00E+00	0.00E+00	4.42E-07	3.62E-09	4.05E-08	0.00E+00	0.00E+00	4.41E-08
13	420860.37	3739935.98	2.92E-08	4.19E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-08	4.19E-07	0.00E+00	0.00E+00	4.49E-07	3.68E-09	4.11E-08	0.00E+00	0.00E+00	4.47E-08
14	420863.95	3739944.53	2.96E-08	4.26E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-08	4.26E-07	0.00E+00	0.00E+00	4.55E-07	3.73E-09	4.17E-08	0.00E+00	0.00E+00	4.54E-08
15	420867.53	3739953.08	3.01E-08	4.32E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-08	4.32E-07	0.00E+00	0.00E+00	4.62E-07	3.78E-09	4.23E-08	0.00E+00	0.00E+00	4.61E-08
16	420871.1	3739961.62	3.06E-08	4.38E-07	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-08	4.38E-07	0.00E+00	0.00E+00	4.69E-07	3.84E-09	4.29E-08	0.00E+00	0.00E+00	4.68E-08
17	420874.68	3739970.17	3.10E-08	4.45E-07	0.00E+00	0.00E+00	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-08	4.45E-07	0.00E+00	0.00E+00	4.76E-07	3.90E-09	4.36E-08	0.00E+00	0.00E+00	4.75E-08
18	420878.26	3739978.72	3.14E-08	4.51E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-08	4.51E-07	0.00E+00	0.00E+00	4.83E-07	3.95E-09	4.42E-08	0.00E+00	0.00E+00	4.81E-08
19	420881.84	3739987.27	3.18E-08	4.57E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-08	4.57E-07	0.00E+00	0.00E+00	4.88E-07	4.00E-09	4.47E-08	0.00E+00	0.00E+00	4.87E-08
20	420885.41	3739995.81	3.22E-08	4.62E-07	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-08	4.62E-07	0.00E+00	0.00E+00	4.95E-07	4.05E-09	4.53E-08	0.00E+00	0.00E+00	4.93E-08
21	420853.49	3739823.77	2.16E-08	3.11E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.11E-07	0.00E+00	0.00E+00	3.32E-07	2.72E-09	3.04E-08	0.00E+00	0.00E+00	3.31E-08
22	420857.08	3739832.36	2.20E-08	3.15E-07	0.00E+00	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.15E-07	0.00E+00	0.00E+00	3.37E-07	2.76E-09	3.09E-08	0.00E+00	0.00E+00	3.36E-08
23	420860.68	3739840.95	2.23E-08	3.21E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.21E-07	0.00E+00	0.00E+00	3.43E-07	2.81E-09	3.14E-08	0.00E+00	0.00E+00	3.42E-08
24	420864.27	3739849.54	2.27E-08	3.26E-07	0.00E+00	0.00E+00	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.26E-07	0.00E+00	0.00E+00	3.49E-07	2.86E-09	3.19E-08	0.00E+00	0.00E+00	3.48E-08
25	420867.87	3739858.13	2.31E-08	3.32E-07	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	3.32E-07	0.00E+00	0.00E+00	3.55E-07	2.91E-09	3.25E-08	0.00E+00	0.00E+00	3.54E-08
26	420871.46	3739866.72	2.35E-08	3.37E-07	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.37E-07	0.00E+00	0.00E+00	3.61E-07	2.96E-09	3.30E-08	0.00E+00	0.00E+00	3.60E-08
27	420875.06	3739875.31	2.39E-08	3.43E-07	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-08	3.43E-07	0.00E+00	0.00E+00	3.67E-07	3.01E-09	3.36E-08	0.00E+00	0.00E+00	3.66E-08
28	420878.66	3739883.9	2.43E-08	3.49E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-08	3.49E-07	0.00E+00	0.00E+00	3.74E-07	3.06E-09	3.42E-08	0.00E+00	0.00E+00	3.73E-08
29	420882.25	3739892.49	2.48E-08	3.56E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	3.56E-07	0.00E+00	0.00E+00	3.81E-07	3.12E-09	3.48E-08	0.00E+00	0.00E+00	3.80E-08
30	420885.85	3739901.08	2.53E-08	3.63E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-08	3.63E-07	0.00E+00	0.00E+00	3.88E-07	3.18E-09	3.55E-08	0.00E+00	0.00E+00	3.87E-08
31	420889.44	3739909.67	2.58E-08	3.70E-07	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-08	3.70E-07	0.00E+00	0.00E+00	3.96E-07	3.24E-09	3.62E-08	0.00E+00	0.00E+00	3.95E-08
32	420893.04	3739918.26	2.63E-08	3.77E-07	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-08	3.77E-07	0.00E+00	0.00E+00	4.04E-07	3.31E-09	3.69E-08	0.00E+00	0.00E+00	4.02E-08
33	420896.63	3739926.85	2.66E-08	3.82E-07	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	3.82E-07	0.00E+00	0.00E+00	4.09E-07	3.35E-09	3.74E-08	0.00E+00	0.00E+00	4.08E-08
34	420900.23	3739935.44	2.69E-08	3.87E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	3.87E-07	0.00E+00	0.00E+00	4.14E-07	3.39E-09	3.79E-08	0.00E+00	0.00E+00	4.13E-08
35	420903.82	3739944.03	2.72E-08	3.91E-07	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-08	3.91E-07	0.00E+00	0.00E+00	4.18E-07	3.43E-09	3.83E-08	0.00E+00	0.00E+00	4.17E-08
36	420907.42	3739952.62	2.76E-08	3.95E-07	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-08	3.95E-07	0.00E+00	0.00E+00	4.23E-07	3.46E-09	3.87E-08	0.00E+00	0.00E+00	4.22E-08
37	420911.01	3739961.21	2.79E-08	4.01E-07	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	4.01E-07	0.00E+00	0.00E+00	4.29E-07	3.51E-09	3.92E-08	0.00E+00	0.00E+00	4.27E-08
38	420914.61	3739969.8	2.83E-08	4.06E-07	0.00E+00	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-08	4.06E-07	0.00E+00	0.00E+00	4.34E-07	3.56E-09	3.98E-08	0.00E+00	0.00E+00	4.33E-08
39	420918.21	3739978.39	2.87E-08	4.12E-07	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	4.12E-07	0.00E+00	0.00E+00	4.40E-07	3.61E-09	4.03E-08	0.00E+00	0.00E+00	4.39E-08
40	420921.8	3739986.98	2.92E-08	4.18E-07	0.00E+00	0.00E+00	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-08	4.18E-07	0.00E+00	0.00E+00	4.48E-07	3.67E-09	4.10E-08	0.00E+00	0.00E+00	4.46E-08
41	420925.4	3739995.57	2.96E-08	4.25E-07	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-08	4.25E-07	0.00E+00	0.00E+00	4.55E-07	3.73E-09	4.17E-08	0.00E+00	0.00E+00	4.54E-08
42	420893.15	3739822.76	2.03E-08	2.92E-07	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-08	2.92E-07	0.00E+00	0.00E+00	3.12E-07	2.56E-09	2.86E-08	0.00E+00	0.00E+00	3.11E-08
43	420896.76	3739831.39	2.06E-08	2.96E-07	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	2.96E-07	0.00E+00	0.00E+00	3.17E-07	2.59E-09	2.90E-08	0.00E+00	0.00E+00	3.16E-08
44	420900.37	3739840.02	2.09E-08	3.01E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.01E-07	0.00E+00	0.00E+00	3.22E-07	2.63E-09	2.94E-08	0.00E+00	0.00E+00	3.21E-08
45	420903.98	3739848.65	2.13E-08	3.05E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.05E-07	0.00E+00	0.00E+00	3.27E-07	2.68E-09	2.99E-08	0.00E+00	0.00E+00	3.26E-08
46	420907.59	3739857.28	2.16E-08	3.10E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.10E-07	0.00E+00	0.00E+00	3.32E-07	2.72E-09	3.04E-08	0.00E+00	0.00E+00	3.31E-08
47	420911.21	3739865.91	2.20E-08	3.16E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.16E-07	0.00E+00	0.00E+00	3.38E-07	2.77E-09	3.09E-08	0.00E+00	0.00E+00	3.37E-08
48	420914.82	3739874.54	2.24E-08	3.21E-07	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-08	3.21E-07	0.00E+00	0.00E+00	3.44E-07	2.82E-09	3.15E-08	0.00E+00	0.00E+00	3.43E-08
49	420918.43	3739883.16	2.28E-08	3.27E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-08	3.27E-07	0.00E+00	0.00E+00	3.50E-07	2.87E-09	3.20E-08	0.00E+00	0.00E+00	3.49E-08
50	420922.04	3739891.79	2.32E-08	3.33E-07	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.33E-07	0.00E+00	0.00E+00	3.56E-07	2.92E-09	3.26E-08	0.00E+00	0.00E+00	3.55E-08
51	420925.65	3739900.42	2.36E-08	3.38E-07	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	3.38E-07	0.00E+00	0.00E+00	3.62E-07	2.96E-09	3.31E-08	0.00E+00	0.00E+00	3.61E-08
52	420929.26	3739909.05	2.39E-08	3.44E-07	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-08	3.44E-07	0.00E+00	0.00E+00	3.68E-07	3.01E-09	3.36E-08	0.00E+00	0.00E+00	3.67E-08
53	419674.59	3739531.49	3.77E-08	5.41E-07	0.00E+00	0.00E+00	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-08	5.41E-07	0.00E+00	0.00E+00	5.79E-07	4.74E-09	5.30E-08	0.00E+00	0.00E+00	5.77E-08
54	419683.16	3739527.92	3.84E-08	5.51E-07	0.00E+00	0.00E+00	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-08	5.51E-07	0.00E+00	0.00E+00	5.89E-07	4.82E-09	5.39E-08	0.00E+00	0.00E+00	5.87E-08
55	419691.72	3739524.36	3.90E-08	5.60E-07	0.00E+00	0.00E+00	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-08	5.60E-07	0.00E+00	0.00E+00	5.99E-07	4.91E-09	5.48E-08	0.00E+00	0.00E+00	5.97E-08
56	419700.28	3739520.8	3.97E-08	5.69E-07	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-08	5.69E-07	0.00E+00	0.00E+00	6.09E-07	4.99E-09	5.57E-08	0.00E+00	0.00E+00	6.07E-08
57	419708.84	3739517.24	4.03E-08	5.79E-07	0.00E+00	0.00E+00	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-08	5.79E-07	0.00E+00	0.00E+00	6.19E-07	5.07E-09	5.66E-08	0.00E+00	0.00E+00	6.17E-08
58	419717.4	3739513.68	4.09E-08	5.88E-07	0.00E+00	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-08	5.88E-07	0.00E+00	0.00E+00	6.29E-07	5.15E-09	5.75E-08	0.00E+00	0.00E+00	6.27E-08
59	419725.97	3739510.12	4.16E-08	5.97E-07	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-08	5.97E-07	0.00E+00	0.00E+00	6.38E-07	5.23E-09	5.84E-08	0.00E+00	0.00E+00	6.36E-08
60	419734.53	3739506.56	4.21E-08	6.05E-07	0.00E+00	0.00E+00	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-08	6.05E-07	0.00E+00	0.00E+00	6.47E-07	5.30E-09	5.92E-08	0.00E+00	0.00E+00	6.45E-08
61	419743.09	3739503	4.27E-08	6.13E-07	0.00E+00	0.00E+00	6.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-08	6.13E-07	0.00E+00	0.00E+00	6.55E-07	5.37E-09	6.00E-08	0.00E+00	0.00E+00	6.54E-08
62	419751.65	3739499.44	4.32E-08	6.20E-07	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-08	6.20E-07	0.00E+00	0.00E+00	6.63E-07	5.43E-09	6.07E-08	0.00E+00	0.00E+00	6.61E-08
63	419760.21	3739495.88	4.37E-08	6.27E-07	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-08	6.27E-07	0.00E+00	0.00E+00	6.71E-07	5.49E-09	6.14E-08	0.00E+00	0.00E+00	6.69E-08
64	419594.91	3739524.62	3.06E-08	4.40E-07	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-08	4.40E-07	0.00E+00	0.00E+00	4.70E-07	3.85E-09	4.30E-08	0.00E+00	0.00E+00	4.69E-08
65	419603.52	3739521.04	3.12E-08	4.48E-07	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-08	4.48E-07	0.00E+00	0.00E+00	4.79E-07	3.92E-09	4.38E-08	0.00E+00	0.00E+00	4.78E-08
66	419612.13	3739517.46	3.18E-08	4.56E-07	0.00E+00	0.00E+00	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-08	4.56E-07	0.00E+00	0.00E+00	4.88E-07	4.00E-09	4.46E-08	0.00E+00	0.00E+00	4.86E-08
67	419620.74	3739513.88	3.24E-08	4.64E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-08	4.64E-07	0.00E+00	0.00E+00	4.97E-07	4.07E-09	4.55E-08	0.00E+00	0.00E+00	4.95E-08
68	419629.35	3739510.3	3.30E-08	4.73E-07	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-08	4.73E-07	0.00E+00	0.00E+00	5.06E-07	4.14E-09	4.63E-08	0.00E+00	0.00E+00	5.04E-08
69	419637.96	3739506.72	3.35E-08	4.81E-07	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	4.81E-07	0.00E+00	0.00E+00	5.15E-07	4.22E-09	4.71E-08	0.00E+00	0.00E+00	5.14E-08
70	419646.57	3739503.14	3.42E-08	4.90E-07	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-08	4.90E-07	0.00E+00	0.00E+00	5.24E-07	4.30E-09	4.80E-08	0.00E+00	0.00E+00	5.23E-08
71	419655.18	3739499.56	3.48E-08	4.99E-07	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	4.99E-07	0.00E+00	0.00E+00	5.34E-07	4.37E-09	4.89E-08	0.00E+00	0.00E+00	5.32E-08
72	419663.79	3739495.98	3.54E-08	5.08E-07	0.00E+00	0.00E+00	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-08	5.08E-07	0.00E+00	0.00E+00	5.43E-07	4.45E-09	4.97E-08	0.00E+00	0.00E+00	5.41E-08
73	419672.4	3739492.4	3.59E-08	5.16E-07	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-08	5.16E-07	0.00E+00	0.00E+00	5.52E-07	4.52E-09	5.05E-08	0.00E+00	0.00E+00	5.50E-08
74	419681.01	3739488.82	3.65E-08	5.24E-07	0.00E+00	0.00E+00	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-08	5.24E-07	0.00E+00	0.00E+00	5.61E-07	4.59E-09	5.13E-08	0.00E+00	0.00E+00	5.59E-08
75	419689.62	3739485.24	3.71E-08	5.32E-07	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-08	5.32E-07	0.00E+00	0.00E+00	5.69E-07	4.66E-09	5.21E-08	0.00E+00	0.00E+00	5.68E-08
76	419698.23	3739481.66	3.76E-08	5.40E-07	0.00E+00	0.00E+00	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-08	5.40E-07	0.00E+00	0.00E+00	5.78E-07	4.73E-09	5.29E-08	0.00E+00	0.00E+00	5.76E-08
77	419706.84	3739478.08	3.82E-08	5.48E-07	0.00E+00	0.00E+00	5.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-08	5.48E-07	0.00E+00	0.00E+00	5.86E-07	4.80E-09	5.36E-08	0.00E+00	0.00E+00	5.84E-08
78	419715.45	3739474.5	3.87E-08	5.55E-07	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-08	5.55E-07	0.00E+00	0.00E+00	5.93E-07	4.86E-09	5.43E-08	0.00E+00	0.00E+00	5.92E-08
79

125	419598	3739443.33	2.89E-08	4.14E-07	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-08	4.14E-07	0.00E+00	0.00E+00	4.43E-07	3.63E-09	4.06E-08	0.00E+00	0.00E+00	4.42E-08
126	419606.56	3739439.78	2.93E-08	4.21E-07	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-08	4.21E-07	0.00E+00	0.00E+00	4.50E-07	3.69E-09	4.12E-08	0.00E+00	0.00E+00	4.49E-08
127	419615.11	3739436.22	2.98E-08	4.27E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	4.27E-07	0.00E+00	0.00E+00	4.57E-07	3.75E-09	4.19E-08	0.00E+00	0.00E+00	4.56E-08
128	419623.66	3739432.66	3.02E-08	4.34E-07	0.00E+00	0.00E+00	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-08	4.34E-07	0.00E+00	0.00E+00	4.64E-07	3.80E-09	4.25E-08	0.00E+00	0.00E+00	4.63E-08
129	419632.22	3739429.11	3.07E-08	4.40E-07	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-08	4.40E-07	0.00E+00	0.00E+00	4.71E-07	3.86E-09	4.31E-08	0.00E+00	0.00E+00	4.70E-08
130	419640.77	3739425.55	3.11E-08	4.47E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-08	4.47E-07	0.00E+00	0.00E+00	4.78E-07	3.91E-09	4.37E-08	0.00E+00	0.00E+00	4.76E-08
131	419649.32	3739421.99	3.15E-08	4.53E-07	0.00E+00	0.00E+00	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-08	4.53E-07	0.00E+00	0.00E+00	4.84E-07	3.97E-09	4.43E-08	0.00E+00	0.00E+00	4.83E-08
132	419657.88	3739418.44	3.20E-08	4.59E-07	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-08	4.59E-07	0.00E+00	0.00E+00	4.91E-07	4.02E-09	4.49E-08	0.00E+00	0.00E+00	4.89E-08
133	419666.43	3739414.88	3.24E-08	4.64E-07	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-08	4.64E-07	0.00E+00	0.00E+00	4.97E-07	4.07E-09	4.55E-08	0.00E+00	0.00E+00	4.95E-08
134	419674.98	3739411.32	3.28E-08	4.70E-07	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-08	4.70E-07	0.00E+00	0.00E+00	5.03E-07	4.12E-09	4.61E-08	0.00E+00	0.00E+00	5.02E-08
135	419683.54	3739407.77	3.32E-08	4.76E-07	0.00E+00	0.00E+00	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-08	4.76E-07	0.00E+00	0.00E+00	5.10E-07	4.17E-09	4.66E-08	0.00E+00	0.00E+00	5.08E-08
136	419692.09	3739404.21	3.36E-08	4.82E-07	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-08	4.82E-07	0.00E+00	0.00E+00	5.16E-07	4.22E-09	4.72E-08	0.00E+00	0.00E+00	5.14E-08
137	419700.65	3739400.65	3.39E-08	4.87E-07	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-08	4.87E-07	0.00E+00	0.00E+00	5.21E-07	4.27E-09	4.77E-08	0.00E+00	0.00E+00	5.20E-08
138	419709.2	3739397.1	3.43E-08	4.92E-07	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-08	4.92E-07	0.00E+00	0.00E+00	5.26E-07	4.31E-09	4.82E-08	0.00E+00	0.00E+00	5.25E-08
139	419717.75	3739393.54	3.46E-08	4.96E-07	0.00E+00	0.00E+00	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-08	4.96E-07	0.00E+00	0.00E+00	5.31E-07	4.35E-09	4.86E-08	0.00E+00	0.00E+00	5.30E-08
140	419726.31	3739389.98	3.49E-08	5.00E-07	0.00E+00	0.00E+00	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-08	5.00E-07	0.00E+00	0.00E+00	5.35E-07	4.38E-09	4.90E-08	0.00E+00	0.00E+00	5.34E-08
141	419734.86	3739386.43	3.51E-08	5.04E-07	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-08	5.04E-07	0.00E+00	0.00E+00	5.39E-07	4.42E-09	4.93E-08	0.00E+00	0.00E+00	5.38E-08
142	419509.81	3739440.01	2.38E-08	3.41E-07	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-08	3.41E-07	0.00E+00	0.00E+00	3.65E-07	2.99E-09	3.34E-08	0.00E+00	0.00E+00	3.64E-08
143	419518.4	3739436.43	2.42E-08	3.47E-07	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	3.47E-07	0.00E+00	0.00E+00	3.71E-07	3.04E-09	3.40E-08	0.00E+00	0.00E+00	3.70E-08
144	419527	3739432.86	2.45E-08	3.52E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	3.52E-07	0.00E+00	0.00E+00	3.77E-07	3.09E-09	3.45E-08	0.00E+00	0.00E+00	3.76E-08
145	419535.59	3739429.29	2.49E-08	3.58E-07	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	3.58E-07	0.00E+00	0.00E+00	3.83E-07	3.13E-09	3.50E-08	0.00E+00	0.00E+00	3.82E-08
146	419544.18	3739425.71	2.53E-08	3.63E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-08	3.63E-07	0.00E+00	0.00E+00	3.89E-07	3.18E-09	3.56E-08	0.00E+00	0.00E+00	3.87E-08
147	419552.78	3739422.14	2.57E-08	3.69E-07	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-08	3.69E-07	0.00E+00	0.00E+00	3.95E-07	3.23E-09	3.61E-08	0.00E+00	0.00E+00	3.94E-08
148	419561.37	3739418.57	2.61E-08	3.75E-07	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-08	3.75E-07	0.00E+00	0.00E+00	4.01E-07	3.29E-09	3.67E-08	0.00E+00	0.00E+00	4.00E-08
149	419569.97	3739414.99	2.66E-08	3.81E-07	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-08	3.81E-07	0.00E+00	0.00E+00	4.08E-07	3.34E-09	3.73E-08	0.00E+00	0.00E+00	4.07E-08
150	419578.56	3739411.42	2.70E-08	3.87E-07	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-08	3.87E-07	0.00E+00	0.00E+00	4.14E-07	3.39E-09	3.79E-08	0.00E+00	0.00E+00	4.13E-08
151	419587.16	3739407.84	2.74E-08	3.93E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-08	3.93E-07	0.00E+00	0.00E+00	4.21E-07	3.45E-09	3.85E-08	0.00E+00	0.00E+00	4.20E-08
152	419595.75	3739404.27	2.78E-08	3.99E-07	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-08	3.99E-07	0.00E+00	0.00E+00	4.27E-07	3.50E-09	3.91E-08	0.00E+00	0.00E+00	4.26E-08
153	419604.35	3739400.7	2.82E-08	4.05E-07	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-08	4.05E-07	0.00E+00	0.00E+00	4.33E-07	3.55E-09	3.97E-08	0.00E+00	0.00E+00	4.32E-08
154	419612.94	3739397.12	2.86E-08	4.11E-07	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-08	4.11E-07	0.00E+00	0.00E+00	4.39E-07	3.60E-09	4.02E-08	0.00E+00	0.00E+00	4.38E-08
155	419621.53	3739393.55	2.90E-08	4.16E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-08	4.16E-07	0.00E+00	0.00E+00	4.45E-07	3.65E-09	4.08E-08	0.00E+00	0.00E+00	4.44E-08
156	419630.13	3739389.97	2.94E-08	4.22E-07	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-08	4.22E-07	0.00E+00	0.00E+00	4.51E-07	3.70E-09	4.13E-08	0.00E+00	0.00E+00	4.50E-08
157	419638.72	3739386.4	2.98E-08	4.27E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	4.27E-07	0.00E+00	0.00E+00	4.57E-07	3.74E-09	4.18E-08	0.00E+00	0.00E+00	4.56E-08
158	419647.32	3739382.83	3.01E-08	4.32E-07	0.00E+00	0.00E+00	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-08	4.32E-07	0.00E+00	0.00E+00	4.62E-07	3.79E-09	4.23E-08	0.00E+00	0.00E+00	4.61E-08
159	419655.91	3739379.25	3.05E-08	4.37E-07	0.00E+00	0.00E+00	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-08	4.37E-07	0.00E+00	0.00E+00	4.68E-07	3.83E-09	4.28E-08	0.00E+00	0.00E+00	4.66E-08
160	419664.51	3739375.68	3.08E-08	4.42E-07	0.00E+00	0.00E+00	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-08	4.42E-07	0.00E+00	0.00E+00	4.73E-07	3.87E-09	4.33E-08	0.00E+00	0.00E+00	4.71E-08
161	419673.1	3739372.11	3.11E-08	4.46E-07	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-08	4.46E-07	0.00E+00	0.00E+00	4.78E-07	3.91E-09	4.37E-08	0.00E+00	0.00E+00	4.76E-08
162	419681.7	3739368.53	3.14E-08	4.51E-07	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-08	4.51E-07	0.00E+00	0.00E+00	4.83E-07	3.95E-09	4.42E-08	0.00E+00	0.00E+00	4.81E-08
163	419507.38	3739401.02	2.30E-08	3.30E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-08	3.30E-07	0.00E+00	0.00E+00	3.53E-07	2.89E-09	3.23E-08	0.00E+00	0.00E+00	3.52E-08
164	419516.01	3739397.43	2.34E-08	3.35E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.35E-07	0.00E+00	0.00E+00	3.59E-07	2.94E-09	3.28E-08	0.00E+00	0.00E+00	3.58E-08
165	419524.64	3739393.84	2.37E-08	3.40E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.40E-07	0.00E+00	0.00E+00	3.64E-07	2.98E-09	3.33E-08	0.00E+00	0.00E+00	3.63E-08
166	419533.27	3739390.25	2.41E-08	3.46E-07	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-08	3.46E-07	0.00E+00	0.00E+00	3.70E-07	3.03E-09	3.39E-08	0.00E+00	0.00E+00	3.69E-08
167	419541.9	3739386.66	2.45E-08	3.51E-07	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-08	3.51E-07	0.00E+00	0.00E+00	3.76E-07	3.08E-09	3.44E-08	0.00E+00	0.00E+00	3.75E-08
168	419550.54	3739383.07	2.48E-08	3.57E-07	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	3.57E-07	0.00E+00	0.00E+00	3.81E-07	3.12E-09	3.49E-08	0.00E+00	0.00E+00	3.80E-08
169	419559.17	3739379.48	2.52E-08	3.62E-07	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-08	3.62E-07	0.00E+00	0.00E+00	3.87E-07	3.17E-09	3.55E-08	0.00E+00	0.00E+00	3.86E-08
170	419567.8	3739375.89	2.56E-08	3.68E-07	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-08	3.68E-07	0.00E+00	0.00E+00	3.93E-07	3.22E-09	3.60E-08	0.00E+00	0.00E+00	3.92E-08
171	419576.43	3739372.3	2.60E-08	3.73E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-08	3.73E-07	0.00E+00	0.00E+00	3.99E-07	3.27E-09	3.65E-08	0.00E+00	0.00E+00	3.98E-08
172	419585.06	3739368.71	2.64E-08	3.78E-07	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-08	3.78E-07	0.00E+00	0.00E+00	4.05E-07	3.32E-09	3.71E-08	0.00E+00	0.00E+00	4.04E-08
173	419593.7	3739365.12	2.67E-08	3.84E-07	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-08	3.84E-07	0.00E+00	0.00E+00	4.10E-07	3.36E-09	3.76E-08	0.00E+00	0.00E+00	4.09E-08
174	419602.33	3739361.54	2.71E-08	3.89E-07	0.00E+00	0.00E+00	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-08	3.89E-07	0.00E+00	0.00E+00	4.16E-07	3.41E-09	3.81E-08	0.00E+00	0.00E+00	4.15E-08
175	419610.96	3739357.95	2.74E-08	3.94E-07	0.00E+00	0.00E+00	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-08	3.94E-07	0.00E+00	0.00E+00	4.21E-07	3.45E-09	3.86E-08	0.00E+00	0.00E+00	4.20E-08
176	419619.59	3739354.36	2.78E-08	3.99E-07	0.00E+00	0.00E+00	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-08	3.99E-07	0.00E+00	0.00E+00	4.26E-07	3.49E-09	3.90E-08	0.00E+00	0.00E+00	4.25E-08
177	419628.22	3739350.77	2.81E-08	4.03E-07	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-08	4.03E-07	0.00E+00	0.00E+00	4.31E-07	3.53E-09	3.95E-08	0.00E+00	0.00E+00	4.30E-08
178	419636.86	3739347.18	2.84E-08	4.08E-07	0.00E+00	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-08	4.08E-07	0.00E+00	0.00E+00	4.36E-07	3.57E-09	3.99E-08	0.00E+00	0.00E+00	4.35E-08
179	419645.49	3739343.59	2.87E-08	4.12E-07	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	4.12E-07	0.00E+00	0.00E+00	4.41E-07	3.61E-09	4.04E-08	0.00E+00	0.00E+00	4.40E-08
180	419654.12	3739340	2.90E-08	4.16E-07	0.00E+00	0.00E+00	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-08	4.16E-07	0.00E+00	0.00E+00	4.45E-07	3.65E-09	4.08E-08	0.00E+00	0.00E+00	4.44E-08
181	419662.75	3739336.41	2.93E-08	4.20E-07	0.00E+00	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-08	4.20E-07	0.00E+00	0.00E+00	4.49E-07	3.68E-09	4.11E-08	0.00E+00	0.00E+00	4.48E-08
182	419671.38	3739332.82	2.95E-08	4.24E-07	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-08	4.24E-07	0.00E+00	0.00E+00	4.53E-07	3.71E-09	4.15E-08	0.00E+00	0.00E+00	4.52E-08
183	419680.01	3739329.23	2.98E-08	4.27E-07	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	4.27E-07	0.00E+00	0.00E+00	4.57E-07	3.74E-09	4.18E-08	0.00E+00	0.00E+00	4.56E-08
184	419688.65	3739325.64	3.00E-08	4.31E-07	0.00E+00	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-08	4.31E-07	0.00E+00	0.00E+00	4.61E-07	3.77E-09	4.22E-08	0.00E+00	0.00E+00	4.59E-08
185	419453.15	3739383.57	2.04E-08	2.93E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	2.93E-07	0.00E+00	0.00E+00	3.13E-07	2.57E-09	2.87E-08	0.00E+00	0.00E+00	3.12E-08
186	419461.82	3739379.96	2.07E-08	2.97E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	2.97E-07	0.00E+00	0.00E+00	3.18E-07	2.60E-09	2.91E-08	0.00E+00	0.00E+00	3.17E-08
187	419470.49	3739376.36	2.10E-08	3.01E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.01E-07	0.00E+00	0.00E+00	3.22E-07	2.64E-09	2.95E-08	0.00E+00	0.00E+00	3.22E-08
188	419479.15	3739372.75	2.13E-08	3.06E-07	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-08	3.06E-07	0.00E+00	0.00E+00	3.27E-07	2.68E-09	3.00E-08	0.00E+00	0.00E+00	3.26E-08
189	419487.82	3739369.15	2.16E-08	3.11E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	3.11E-07	0.00E+00	0.00E+00	3.32E-07	2.72E-09	3.04E-08	0.00E+00	0.00E+00	3.31E-08
190	419496.48	3739365.55	2.20E-08	3.16E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.16E-07	0.00E+00	0.00E+00	3.38E-07	2.77E-09	3.09E-08	0.00E+00	0.00E+00	3.37E-08
191	419505.15	3739361.94	2.23E-08	3.21E-07	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.21E-07	0.00E+00	0.00E+00	3.43E-07	2.81E-09	3.14E-08	0.00E+00	0.00E+00	3.42E-08
192	419513.82	3739358.34	2.27E-08	3.26E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.26E-07	0.00E+00	0.00E+00	3.48E-07	2.85E-09	3.19E-08	0.00E+00	0.00E+00	3.47E-08
193	419522.48	3739354.74	2.30E-08	3.31E-07	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-08	3.31E-07	0.00E+00	0.00E+00	3.54E-07	2.90E-09	3.24E-08	0.00E+00	0.00E+00	3.53E-08
194	419531.15	3739351.13	2.34E-08	3.35E-07	0.00E+00	0.00E+00	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.35E-07	0.00E+00	0.00E+00	3.59E-07	2.94E-09	3.28E-08	0.00E+00	0.00E+00	3.58E-08
195	419539.82	3739347.53	2.37E-08	3.40E-07	0.00E+00	0.00E+00	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.40E-07	0.00E+00	0.00E+00	3.64E-07	2.98E-09	3.33E-08	0.00E+00	0.00E+00	3.63E-08
196	419548.48	3739343.93	2.40E-08	3.45E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-08	3.45E-07	0.00E+00	0.00E+00	3.69E-07	3.02E-09	3.38E-08	0.00E+00	0.00E+00	3.68E-08
197	419557.15	3739340.32	2.44E-08	3.50E-07	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-08	3.50E-07	0.00E+00	0.00E+00	3.74E-07	3.07E-09	3.43E-08	0.00E+00	0.00E+00	3.73E-08
198	419565.81	3739336.72	2.47E-08	3.55E-07	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-08	3.55E-07	0.00E+00	0.00E+00	3.79E-07	3.11E-09	3.47E-08	0.00E+00	0.00E+00	3.78E-08
199	419574.48	3739333.12	2.50E-08	3.59E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.59E-07	0.00E+00	0.00E+00	3.84E-07	3.15E-09	3.52E-08	0.00E+00	0.00E+00	3.83E-08
200	419583.15	3739329.51	2.54E-08	3.64E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-08	3.64E-07	0.00E+00	0.00E+00	3.89E-07	3.19E-09	3.56E-08	0.00E+00	0.00E+00	3.88E-08
201	419591.81	3739325.91	2.57E-08	3.68E-07	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-08	3.68E-07	0.00E+00	0.00E+00	3.94E-07	3.23E-09	3.61E-08	0.00E+00	0.00E+00	3.93E-08
202	419600.48	3739322.3	2.60E-08	3.73E-07	0.00E+00	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-08	3.73E-07	0.00E+00	0.00E+00	3.99E-07	3.27E-09	3.65E-08	0.00E+00	0.00E+00	3.98E-08
203	419609.14	3739318.7	2.63E-08	3.77E-07	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-08	3.77E-07	0.00E+00	0.00E+00	4.03E-07	3.30E-09	3.69E-08	0.00E+00	0.00E+00	4.02E-08
204	419617.81	3739315.1	2.65E-08	3.81E-07	0.00

253	419373.62	3739365.3	1.74E-08	2.50E-07	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.50E-07	0.00E+00	0.00E+00	2.67E-07	2.19E-09	2.45E-08	0.00E+00	0.00E+00	2.67E-08
254	419377.16	3739356.66	1.74E-08	2.50E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-08	2.50E-07	0.00E+00	0.00E+00	2.68E-07	2.19E-09	2.45E-08	0.00E+00	0.00E+00	2.67E-08
255	419380.69	3739348.03	1.75E-08	2.51E-07	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.51E-07	0.00E+00	0.00E+00	2.68E-07	2.20E-09	2.46E-08	0.00E+00	0.00E+00	2.68E-08
256	419384.23	3739339.39	1.75E-08	2.51E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.51E-07	0.00E+00	0.00E+00	2.69E-07	2.20E-09	2.46E-08	0.00E+00	0.00E+00	2.68E-08
257	419396.38	3739327.17	1.77E-08	2.54E-07	0.00E+00	0.00E+00	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-08	2.54E-07	0.00E+00	0.00E+00	2.72E-07	2.23E-09	2.49E-08	0.00E+00	0.00E+00	2.71E-08
258	419405	3739323.59	1.80E-08	2.58E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.58E-07	0.00E+00	0.00E+00	2.76E-07	2.26E-09	2.53E-08	0.00E+00	0.00E+00	2.75E-08
259	419413.61	3739320.01	1.82E-08	2.61E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.61E-07	0.00E+00	0.00E+00	2.80E-07	2.29E-09	2.56E-08	0.00E+00	0.00E+00	2.79E-08
260	419422.23	3739316.42	1.85E-08	2.65E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.65E-07	0.00E+00	0.00E+00	2.84E-07	2.32E-09	2.60E-08	0.00E+00	0.00E+00	2.83E-08
261	419430.85	3739312.84	1.87E-08	2.69E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.69E-07	0.00E+00	0.00E+00	2.88E-07	2.36E-09	2.63E-08	0.00E+00	0.00E+00	2.87E-08
262	419439.46	3739309.26	1.90E-08	2.73E-07	0.00E+00	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.73E-07	0.00E+00	0.00E+00	2.92E-07	2.39E-09	2.67E-08	0.00E+00	0.00E+00	2.91E-08
263	419448.08	3739305.68	1.93E-08	2.77E-07	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	2.77E-07	0.00E+00	0.00E+00	2.96E-07	2.42E-09	2.71E-08	0.00E+00	0.00E+00	2.95E-08
264	419456.69	3739302.09	1.96E-08	2.81E-07	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-08	2.81E-07	0.00E+00	0.00E+00	3.00E-07	2.46E-09	2.75E-08	0.00E+00	0.00E+00	2.99E-08
265	419465.31	3739298.51	1.98E-08	2.85E-07	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-08	2.85E-07	0.00E+00	0.00E+00	3.05E-07	2.50E-09	2.79E-08	0.00E+00	0.00E+00	3.04E-08
266	419473.93	3739294.93	2.01E-08	2.89E-07	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-08	2.89E-07	0.00E+00	0.00E+00	3.09E-07	2.53E-09	2.83E-08	0.00E+00	0.00E+00	3.08E-08
267	419482.54	3739291.34	2.04E-08	2.93E-07	0.00E+00	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-08	2.93E-07	0.00E+00	0.00E+00	3.13E-07	2.57E-09	2.87E-08	0.00E+00	0.00E+00	3.13E-08
268	419491.16	3739287.76	2.07E-08	2.97E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	2.97E-07	0.00E+00	0.00E+00	3.18E-07	2.60E-09	2.91E-08	0.00E+00	0.00E+00	3.17E-08
269	419499.78	3739284.18	2.10E-08	3.01E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-08	3.01E-07	0.00E+00	0.00E+00	3.22E-07	2.64E-09	2.95E-08	0.00E+00	0.00E+00	3.21E-08
270	419508.39	3739280.6	2.12E-08	3.05E-07	0.00E+00	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.05E-07	0.00E+00	0.00E+00	3.26E-07	2.67E-09	2.99E-08	0.00E+00	0.00E+00	3.25E-08
271	419517.01	3739277.01	2.15E-08	3.09E-07	0.00E+00	0.00E+00	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-08	3.09E-07	0.00E+00	0.00E+00	3.30E-07	2.71E-09	3.02E-08	0.00E+00	0.00E+00	3.29E-08
272	419525.62	3739273.43	2.18E-08	3.13E-07	0.00E+00	0.00E+00	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-08	3.13E-07	0.00E+00	0.00E+00	3.34E-07	2.74E-09	3.06E-08	0.00E+00	0.00E+00	3.33E-08
273	419534.24	3739269.85	2.20E-08	3.16E-07	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-08	3.16E-07	0.00E+00	0.00E+00	3.38E-07	2.77E-09	3.10E-08	0.00E+00	0.00E+00	3.37E-08
274	419542.86	3739266.26	2.23E-08	3.20E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.20E-07	0.00E+00	0.00E+00	3.42E-07	2.80E-09	3.13E-08	0.00E+00	0.00E+00	3.41E-08
275	419551.47	3739262.68	2.25E-08	3.23E-07	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.23E-07	0.00E+00	0.00E+00	3.46E-07	2.83E-09	3.17E-08	0.00E+00	0.00E+00	3.45E-08
276	419560.09	3739259.1	2.28E-08	3.27E-07	0.00E+00	0.00E+00	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-08	3.27E-07	0.00E+00	0.00E+00	3.50E-07	2.87E-09	3.20E-08	0.00E+00	0.00E+00	3.49E-08
277	419568.71	3739255.52	2.30E-08	3.30E-07	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-08	3.30E-07	0.00E+00	0.00E+00	3.53E-07	2.89E-09	3.23E-08	0.00E+00	0.00E+00	3.52E-08
278	419577.32	3739251.93	2.32E-08	3.34E-07	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-08	3.34E-07	0.00E+00	0.00E+00	3.57E-07	2.92E-09	3.27E-08	0.00E+00	0.00E+00	3.56E-08
279	419585.94	3739248.35	2.35E-08	3.37E-07	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-08	3.37E-07	0.00E+00	0.00E+00	3.60E-07	2.95E-09	3.30E-08	0.00E+00	0.00E+00	3.59E-08
280	419594.55	3739244.77	2.37E-08	3.40E-07	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-08	3.40E-07	0.00E+00	0.00E+00	3.63E-07	2.98E-09	3.33E-08	0.00E+00	0.00E+00	3.62E-08
281	419603.17	3739241.18	2.39E-08	3.42E-07	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-08	3.42E-07	0.00E+00	0.00E+00	3.66E-07	3.00E-09	3.35E-08	0.00E+00	0.00E+00	3.65E-08
282	419611.79	3739237.6	2.41E-08	3.45E-07	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-08	3.45E-07	0.00E+00	0.00E+00	3.69E-07	3.03E-09	3.38E-08	0.00E+00	0.00E+00	3.68E-08
283	419620.4	3739234.02	2.42E-08	3.48E-07	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-08	3.48E-07	0.00E+00	0.00E+00	3.72E-07	3.05E-09	3.41E-08	0.00E+00	0.00E+00	3.71E-08
284	419629.02	3739230.44	2.44E-08	3.50E-07	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-08	3.50E-07	0.00E+00	0.00E+00	3.75E-07	3.07E-09	3.43E-08	0.00E+00	0.00E+00	3.74E-08
285	419637.64	3739226.85	2.46E-08	3.53E-07	0.00E+00	0.00E+00	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-08	3.53E-07	0.00E+00	0.00E+00	3.77E-07	3.09E-09	3.45E-08	0.00E+00	0.00E+00	3.76E-08
286	419646.25	3739223.27	2.48E-08	3.55E-07	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-08	3.55E-07	0.00E+00	0.00E+00	3.80E-07	3.11E-09	3.48E-08	0.00E+00	0.00E+00	3.79E-08
287	419654.87	3739219.69	2.49E-08	3.57E-07	0.00E+00	0.00E+00	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-08	3.57E-07	0.00E+00	0.00E+00	3.82E-07	3.13E-09	3.50E-08	0.00E+00	0.00E+00	3.81E-08
288	419663.48	3739216.1	2.50E-08	3.59E-07	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.59E-07	0.00E+00	0.00E+00	3.84E-07	3.15E-09	3.52E-08	0.00E+00	0.00E+00	3.83E-08
289	419672.1	3739212.52	2.52E-08	3.61E-07	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-08	3.61E-07	0.00E+00	0.00E+00	3.86E-07	3.16E-09	3.54E-08	0.00E+00	0.00E+00	3.85E-08
290	419680.72	3739208.94	2.53E-08	3.62E-07	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-08	3.62E-07	0.00E+00	0.00E+00	3.88E-07	3.18E-09	3.55E-08	0.00E+00	0.00E+00	3.87E-08
291	419689.33	3739205.36	2.53E-08	3.64E-07	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-08	3.64E-07	0.00E+00	0.00E+00	3.89E-07	3.19E-09	3.56E-08	0.00E+00	0.00E+00	3.88E-08
292	419697.95	3739201.77	2.54E-08	3.64E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-08	3.64E-07	0.00E+00	0.00E+00	3.90E-07	3.19E-09	3.57E-08	0.00E+00	0.00E+00	3.89E-08
293	419706.57	3739198.19	2.54E-08	3.65E-07	0.00E+00	0.00E+00	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-08	3.65E-07	0.00E+00	0.00E+00	3.90E-07	3.20E-09	3.57E-08	0.00E+00	0.00E+00	3.89E-08
294	419715.18	3739194.61	2.55E-08	3.65E-07	0.00E+00	0.00E+00	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-08	3.65E-07	0.00E+00	0.00E+00	3.91E-07	3.20E-09	3.58E-08	0.00E+00	0.00E+00	3.90E-08
295	419327.47	3739380.55	1.61E-08	2.32E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	2.32E-07	0.00E+00	0.00E+00	2.48E-07	2.03E-09	2.27E-08	0.00E+00	0.00E+00	2.47E-08
296	419331.02	3739371.88	1.62E-08	2.32E-07	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.32E-07	0.00E+00	0.00E+00	2.48E-07	2.03E-09	2.27E-08	0.00E+00	0.00E+00	2.48E-08
297	419334.57	3739363.22	1.62E-08	2.33E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.33E-07	0.00E+00	0.00E+00	2.49E-07	2.04E-09	2.28E-08	0.00E+00	0.00E+00	2.48E-08
298	419338.11	3739354.55	1.62E-08	2.33E-07	0.00E+00	0.00E+00	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	2.33E-07	0.00E+00	0.00E+00	2.49E-07	2.04E-09	2.28E-08	0.00E+00	0.00E+00	2.49E-08
299	419341.66	3739345.88	1.63E-08	2.33E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.33E-07	0.00E+00	0.00E+00	2.50E-07	2.05E-09	2.29E-08	0.00E+00	0.00E+00	2.49E-08
300	419345.21	3739337.22	1.63E-08	2.34E-07	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.34E-07	0.00E+00	0.00E+00	2.50E-07	2.05E-09	2.29E-08	0.00E+00	0.00E+00	2.49E-08
301	419348.76	3739328.55	1.63E-08	2.34E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.34E-07	0.00E+00	0.00E+00	2.51E-07	2.05E-09	2.29E-08	0.00E+00	0.00E+00	2.50E-08
302	419352.31	3739319.88	1.63E-08	2.35E-07	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-08	2.35E-07	0.00E+00	0.00E+00	2.51E-07	2.06E-09	2.30E-08	0.00E+00	0.00E+00	2.50E-08
303	419355.85	3739311.22	1.64E-08	2.35E-07	0.00E+00	0.00E+00	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	2.35E-07	0.00E+00	0.00E+00	2.52E-07	2.06E-09	2.30E-08	0.00E+00	0.00E+00	2.51E-08
304	419368.05	3739298.95	1.67E-08	2.39E-07	0.00E+00	0.00E+00	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	2.39E-07	0.00E+00	0.00E+00	2.56E-07	2.09E-09	2.34E-08	0.00E+00	0.00E+00	2.55E-08
305	419376.7	3739295.36	1.69E-08	2.42E-07	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-08	2.42E-07	0.00E+00	0.00E+00	2.59E-07	2.12E-09	2.37E-08	0.00E+00	0.00E+00	2.58E-08
306	419385.34	3739291.76	1.71E-08	2.45E-07	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-08	2.45E-07	0.00E+00	0.00E+00	2.62E-07	2.15E-09	2.40E-08	0.00E+00	0.00E+00	2.62E-08
307	419393.99	3739288.17	1.73E-08	2.49E-07	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-08	2.49E-07	0.00E+00	0.00E+00	2.66E-07	2.18E-09	2.43E-08	0.00E+00	0.00E+00	2.65E-08
308	419402.64	3739284.57	1.75E-08	2.52E-07	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-08	2.52E-07	0.00E+00	0.00E+00	2.69E-07	2.21E-09	2.47E-08	0.00E+00	0.00E+00	2.69E-08
309	419411.28	3739280.98	1.78E-08	2.55E-07	0.00E+00	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	2.55E-07	0.00E+00	0.00E+00	2.73E-07	2.24E-09	2.50E-08	0.00E+00	0.00E+00	2.72E-08
310	419419.93	3739277.38	1.80E-08	2.58E-07	0.00E+00	0.00E+00	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.58E-07	0.00E+00	0.00E+00	2.76E-07	2.27E-09	2.53E-08	0.00E+00	0.00E+00	2.76E-08
311	419428.58	3739273.78	1.82E-08	2.62E-07	0.00E+00	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-08	2.62E-07	0.00E+00	0.00E+00	2.80E-07	2.29E-09	2.56E-08	0.00E+00	0.00E+00	2.79E-08
312	419437.22	3739270.19	1.85E-08	2.65E-07	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	2.65E-07	0.00E+00	0.00E+00	2.84E-07	2.33E-09	2.60E-08	0.00E+00	0.00E+00	2.83E-08
313	419445.87	3739266.59	1.87E-08	2.69E-07	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-08	2.69E-07	0.00E+00	0.00E+00	2.88E-07	2.36E-09	2.63E-08	0.00E+00	0.00E+00	2.87E-08
314	419454.52	3739263	1.90E-08	2.72E-07	0.00E+00	0.00E+00	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-08	2.72E-07	0.00E+00	0.00E+00	2.91E-07	2.39E-09	2.67E-08	0.00E+00	0.00E+00	2.91E-08
315	419463.17	3739259.4	1.92E-08	2.76E-07	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-08	2.76E-07	0.00E+00	0.00E+00	2.95E-07	2.42E-09	2.70E-08	0.00E+00	0.00E+00	2.94E-08
316	419471.81	3739255.81	1.95E-08	2.80E-07	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-08	2.80E-07	0.00E+00	0.00E+00	2.99E-07	2.45E-09	2.74E-08	0.00E+00	0.00E+00	2.98E-08
317	419480.46	3739252.21	1.97E-08	2.83E-07	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.83E-07	0.00E+00	0.00E+00	3.03E-07	2.48E-09	2.77E-08	0.00E+00	0.00E+00	3.02E-08
318	419489.11	3739248.62	2.00E-08	2.87E-07	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-08	2.87E-07	0.00E+00	0.00E+00	3.07E-07	2.51E-09	2.81E-08	0.00E+00	0.00E+00	3.06E-08
319	419497.75	3739245.02	2.02E-08	2.90E-07	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-08	2.90E-07	0.00E+00	0.00E+00	3.10E-07	2.54E-09	2.84E-08	0.00E+00	0.00E+00	3.10E-08
320	419506.4	3739241.42	2.05E-08	2.94E-07	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-08	2.94E-07	0.00E+00	0.00E+00	3.14E-07	2.57E-09	2.88E-08	0.00E+00	0.00E+00	3.13E-08
321	419515.05	3739237.83	2.07E-08	2.97E-07	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-08	2.97E-07	0.00E+00	0.00E+00	3.18E-07	2.60E-09	2.91E-08	0.00E+00	0.00E+00	3.17E-08
322	419523.69	3739234.23	2.09E-08	3.01E-07	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-08	3.01E-07	0.00E+00	0.00E+00	3.22E-07	2.63E-09	2.94E-08	0.00E+00	0.00E+00	3.21E-08
323	419532.34	3739230.64	2.12E-08	3.04E-07	0.00E+00	0.00E+00	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-08	3.04E-07	0.00E+00	0.00E+00	3.25E-07	2.66E-09	2.98E-08	0.00E+00	0.00E+00	3.24E-08
324	419540.99	3739227.04	2.14E-08	3.07E-07	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	3.07E-07	0.00E+00	0.00E+00	3.29E-07	2.69E-09	3.01E-08	0.00E+00	0.00E+00	3.28E-08
325	419549.63	3739223.45	2.17E-08	3.11E-07	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	3.11E-07	0.00E+00	0.00E+00	3.32E-07	2.72E-09	3.04E-08	0.00E+00	0.00E+00	3.32E-08
326	419558.28	3739219.85	2.19E-08	3.14E-07	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	3.14E-07	0.00E+00	0.00E+00	3.36E-07	2.75E-09	3.07E-08	0.00E+00	0.00E+00	3.35E-08
327	419566.93	3739216.26	2.21E-08	3.17E-07	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-08	3.17E-07	0.00E+00	0.00E+00	3.39E-07	2.78E-09	3.10E-08	0.00E+00	0.00E+00	3.38E-08
328	419575.58	3739212.66	2.23E-08	3.20E-07	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-08	3.20E-07	0.00E+00	0.00E+00	3.42E-07	2.80E-09	3.13E-08	0.00E+00	0.00E+00	3.41E-08
329	419584.22	3739209.06	2.25E-08	3.23E-07	0.00E+00	0.00E+00	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-08	3.23E-07	0.00E+00	0.00E+00	3.45E-07	2.83E-09	3.16E-08	0.00E+00	0.00E+00	3.44E-08
330	419592.87	3739205.47	2.27E-08	3.25E-07	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	3.25E-07	0.00E+00	0.00E+00	3.48E-07	2.85E-09	3.18E-08	0.00E+00	0.00E+00	3.47E-08
331	419601.52	3739201.87	2.28E-08	3.28E-07	0.00E+00	0.00E+00	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-08	3.28E-07	0.00E+00	0.00E+00	3.51E-07	2.87E-09	3.21E-08	0.00E+00	0.00E+00	3.50E-08
332	419610.16	3739198.28	2.30E-08	3.30E-07	0.00E+00	0.00E

381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	0	0	0.00E+00

509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596			0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E

637	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

765	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			UnMitigated		67		T2				T2L3				T4			
			63	419760.21	3739495.88													
			3.06E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.63E-04	0.00E+00	0.00E+00	3.85E-05	7.47E-05	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4	Yr 1	Yr 2	Yr 3	Yr 4
1	420831.2	3739962	2.42E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	6.04E-04	0.00E+00	0.00E+00	3.05E-05	5.92E-05	0.00E+00	0.00E+00
2	420834.8	3739971	2.47E-04	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.15E-04	0.00E+00	0.00E+00	3.10E-05	6.02E-05	0.00E+00	0.00E+00
3	420838.3	3739979	2.51E-04	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	6.25E-04	0.00E+00	0.00E+00	3.15E-05	6.12E-05	0.00E+00	0.00E+00
4	420841.9	3739988	2.49E-04	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	6.19E-04	0.00E+00	0.00E+00	3.13E-05	6.06E-05	0.00E+00	0.00E+00
5	420845.4	3739996	2.52E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.28E-04	0.00E+00	0.00E+00	3.17E-05	6.14E-05	0.00E+00	0.00E+00
6	420835.3	3739876	1.80E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.48E-04	0.00E+00	0.00E+00	2.26E-05	4.39E-05	0.00E+00	0.00E+00
7	420838.9	3739885	1.83E-04	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.56E-04	0.00E+00	0.00E+00	2.30E-05	4.47E-05	0.00E+00	0.00E+00
8	420842.5	3739893	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
9	420846.1	3739902	1.91E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.75E-04	0.00E+00	0.00E+00	2.40E-05	4.66E-05	0.00E+00	0.00E+00
10	420849.6	3739910	1.95E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.85E-04	0.00E+00	0.00E+00	2.45E-05	4.75E-05	0.00E+00	0.00E+00
11	420853.2	3739919	1.99E-04	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.95E-04	0.00E+00	0.00E+00	2.50E-05	4.85E-05	0.00E+00	0.00E+00
12	420856.8	3739927	2.02E-04	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.03E-04	0.00E+00	0.00E+00	2.54E-05	4.93E-05	0.00E+00	0.00E+00
13	420860.4	3739936	2.05E-04	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.11E-04	0.00E+00	0.00E+00	2.58E-05	5.00E-05	0.00E+00	0.00E+00
14	420864	3739945	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00
15	420867.5	3739953	2.11E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.26E-04	0.00E+00	0.00E+00	2.65E-05	5.15E-05	0.00E+00	0.00E+00
16	420871.1	3739962	2.14E-04	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.34E-04	0.00E+00	0.00E+00	2.69E-05	5.23E-05	0.00E+00	0.00E+00
17	420874.7	3739970	2.17E-04	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	5.42E-04	0.00E+00	0.00E+00	2.73E-05	5.31E-05	0.00E+00	0.00E+00
18	420878.3	3739979	2.20E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.49E-04	0.00E+00	0.00E+00	2.77E-05	5.38E-05	0.00E+00	0.00E+00
19	420881.8	3739987	2.23E-04	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.56E-04	0.00E+00	0.00E+00	2.81E-05	5.44E-05	0.00E+00	0.00E+00
20	420885.4	3739996	2.26E-04	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	5.63E-04	0.00E+00	0.00E+00	2.84E-05	5.51E-05	0.00E+00	0.00E+00
21	420853.5	3739824	1.52E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.78E-04	0.00E+00	0.00E+00	1.91E-05	3.70E-05	0.00E+00	0.00E+00
22	420857.1	3739832	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
23	420860.7	3739841	1.57E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
24	420864.3	3739850	1.59E-04	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.97E-04	0.00E+00	0.00E+00	2.00E-05	3.89E-05	0.00E+00	0.00E+00
25	420867.9	3739858	1.62E-04	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.04E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00
26	420871.5	3739867	1.65E-04	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.11E-04	0.00E+00	0.00E+00	2.07E-05	4.02E-05	0.00E+00	0.00E+00
27	420875.1	3739875	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.09E-05	0.00E+00	0.00E+00
28	420878.7	3739884	1.71E-04	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.25E-04	0.00E+00	0.00E+00	2.15E-05	4.17E-05	0.00E+00	0.00E+00
29	420882.3	3739892	1.74E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.33E-04	0.00E+00	0.00E+00	2.19E-05	4.24E-05	0.00E+00	0.00E+00
30	420885.9	3739901	1.77E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.42E-04	0.00E+00	0.00E+00	2.23E-05	4.33E-05	0.00E+00	0.00E+00
31	420889.4	3739910	1.81E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.51E-04	0.00E+00	0.00E+00	2.27E-05	4.41E-05	0.00E+00	0.00E+00
32	420893	3739918	1.84E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.59E-04	0.00E+00	0.00E+00	2.32E-05	4.50E-05	0.00E+00	0.00E+00
33	420896.6	3739927	1.87E-04	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.66E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
34	420900.2	3739935	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.38E-05	4.61E-05	0.00E+00	0.00E+00
35	420903.8	3739944	1.91E-04	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.76E-04	0.00E+00	0.00E+00	2.40E-05	4.66E-05	0.00E+00	0.00E+00
36	420907.4	3739953	1.93E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.81E-04	0.00E+00	0.00E+00	2.43E-05	4.71E-05	0.00E+00	0.00E+00
37	420911	3739961	1.96E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.88E-04	0.00E+00	0.00E+00	2.46E-05	4.78E-05	0.00E+00	0.00E+00
38	420914.6	3739970	1.98E-04	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.94E-04	0.00E+00	0.00E+00	2.50E-05	4.84E-05	0.00E+00	0.00E+00
39	420918.2	3739978	2.01E-04	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.01E-04	0.00E+00	0.00E+00	2.53E-05	4.91E-05	0.00E+00	0.00E+00
40	420921.8	3739987	2.04E-04	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	5.10E-04	0.00E+00	0.00E+00	2.57E-05	4.99E-05	0.00E+00	0.00E+00
41	420925.4	3739996	2.08E-04	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.18E-04	0.00E+00	0.00E+00	2.61E-05	5.07E-05	0.00E+00	0.00E+00
42	420893.2	3739823	1.43E-04	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.55E-04	0.00E+00	0.00E+00	1.79E-05	3.48E-05	0.00E+00	0.00E+00
43	420896.8	3739831	1.45E-04	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.61E-04	0.00E+00	0.00E+00	1.82E-05	3.53E-05	0.00E+00	0.00E+00
44	420900.4	3739840	1.47E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.66E-04	0.00E+00	0.00E+00	1.85E-05	3.58E-05	0.00E+00	0.00E+00
45	420904	3739849	1.49E-04	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.72E-04	0.00E+00	0.00E+00	1.88E-05	3.64E-05	0.00E+00	0.00E+00
46	420907.6	3739857	1.52E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.78E-04	0.00E+00	0.00E+00	1.91E-05	3.70E-05	0.00E+00	0.00E+00
47	420911.2	3739866	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
48	420914.8	3739875	1.57E-04	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.91E-04	0.00E+00	0.00E+00	1.97E-05	3.83E-05	0.00E+00	0.00E+00
49	420918.4	3739883	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.90E-05	0.00E+00	0.00E+00
50	420922	3739892	1.63E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.97E-05	0.00E+00	0.00E+00
51	420925.7	3739900	1.65E-04	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	4.12E-04	0.00E+00	0.00E+00	2.08E-05	4.03E-05	0.00E+00	0.00E+00
52	420929.3	3739909	1.68E-04	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.18E-04	0.00E+00	0.00E+00	2.11E-05	4.10E-05	0.00E+00	0.00E+00
53	419674.6	3739531	2.64E-04	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.59E-04	0.00E+00	0.00E+00	3.32E-05	6.45E-05	0.00E+00	0.00E+00
54	419683.2	3739528	2.69E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	6.70E-04	0.00E+00	0.00E+00	3.38E-05	6.56E-05	0.00E+00	0.00E+00
55	419691.7	3739524	2.74E-04	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.82E-04	0.00E+00	0.00E+00	3.44E-05	6.68E-05	0.00E+00	0.00E+00
56	419700.3	3739521	2.78E-04	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.93E-04	0.00E+00	0.00E+00	3.50E-05	6.79E-05	0.00E+00	0.00E+00
57	419708.8	3739517	2.83E-04	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	7.04E-04	0.00E+00	0.00E+00	3.55E-05	6.90E-05	0.00E+00	0.00E+00
58	419717.4	3739514	2.87E-04	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	7.16E-04	0.00E+00	0.00E+00	3.61E-05	7.01E-05	0.00E+00	0.00E+00
59	419726	3739510	2.91E-04	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	7.26E-04	0.00E+00	0.00E+00	3.67E-05	7.11E-05	0.00E+00	0.00E+00
60	419734.5	3739507	2.96E-04	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	7.37E-04	0.00E+00	0.00E+00	3.72E-05	7.21E-05	0.00E+00	0.00E+00
61	419743.1	3739503	2.99E-04	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	7.46E-04	0.00E+00	0.00E+00	3.76E-05	7.31E-05	0.00E+00	0.00E+00
62	419751.7	3739499	3.03E-04	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	7.55E-04	0.00E+00	0.00E+00	3.81E-05	7.39E-05	0.00E+00	0.00E+00
63	419760.2	3739496	3.06E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	7.63E-04	0.00E+00	0.00E+00	3.85E-05	7.47E-05	0.00E+00	0.00E+00
64	419594.9	3739525	2.15E-04	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.35E-04	0.00E+00	0.00E+00	2.70E-05	5.24E-05	0.00E+00	0.00E+00
65	419603.5	3739521	2.19E-04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	5.45E-04	0.00E+00	0.00E+00	2.75E-05	5.34E-05	0.00E+00	0.00E+00
66	419612.1	3739517	2.23E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	5.55E-04	0.00E+00	0.00E+00	2.80E-05	5.44E-05	0.00E+00	0.00E+00
67	419620.7	3739514	2.27E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.65E-04	0.00E+00	0.00E+00	2.85E-05	5.54E-05	0.00E+00	0.00E+00
68	419629.4	3739510	2.31E-04	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	5.76E-04	0.00E+00	0.00E+00	2.91E-05	5.64E-05	0.00E+00	0.00E+00
69	419638	3739507	2.35E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.86E-04	0.00E+00	0.00E+00	2.96E-05	5.74E-05	0.00E+00	0.00E+00
70	419646.6	3739503	2.40E-04	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.97E-04	0.00E+00	0.00E+00	3.01E-05	5.85E-05	0.00E+00	0.00E+00
71	419655.2	3739500	2.44E-04	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.08E-04	0.00E+00	0.00E+00	3.07E-05	5.95E-05	0.00E+00	0.00E+00
72	419663.8	3739496	2.48E-04	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	6.18E-04	0.00E+00	0.00E+00	3.12E-05	6.05E-05	0.00E+00	0.00E+00
73	419672.4	3739492	2.52E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	6.28E-04	0.00E+00	0.00E+00	3.17E-05	6.15E-05	0.00E+00	0.00E+00
74	419681	3739489	2.56E-04	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	6.38E-04	0.00E+00	0.00E+00	3.22E-05	6.25E-05	0.00E+00	0.00E+00
75	419689.6	3739485	2.60E-04	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.48E-04	0.00E+00	0.00E+00	3.27E-05	6.34E-05	0.00E+00	0.00E+00
76	419698.2	3739482	2.64E-04	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.58E-04	0.00E+00	0.00E+00	3.32E-05	6.44E-05	0.00E+00	0.00E+00
77	419706.8	3739478	2.68E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.67E-04	0.00E+00	0.00E+00	3.36E-05	6.53E-05	0.00E+00	0.00E+00
78	419715.5	3739475	2.71E-04	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	6.76E-04	0.00E+00	0.00E+00	3.41E-05	6.61E-05	0.00E+00	0.00E+00
79	419724.1	3739471	2.74E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	6.84E-04	0.00E+00	0.00E+00	3.45E-05	6.70E-05	0.00E+00	0.00E+00
80	419732.7	3739467	2.78E-04	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	6.92E-04	0.00E+00	0.00E+00	3.49E-05	6.78E-05	0.00E+00	0.00E+00
81	419741.3	3739464	2.81E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	7.00E-04	0.00E+00	0.00E+00	3.53E-05	6.85E-05	0.00E+00	0.00E+00
82	419749.9	3739460	2.84E-04	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	7.07E-04	0.00E+00	0.00E+00	3.57E-05	6.92E-05	0.00E+00	0.00E+00
83	419758.5	3739457	2.86E-04	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	7.14E-04	0.00E+00	0.00E+00	3.60E-05	6.99E-05	0.00E+00	0.00E+00
84	419543.7	3739535	1.91E-04	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.75E-04	0.00E+00	0.00E+00	2.40E-05	4.66E-05	0.00E+00	0.00E+00
85	419547.3	3739526	1.91E-04	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.77E-04	0.00E+00	0.00E+00	2.41E-05	4.67E-05	0.00E+00	0.00E+00
86	419550.8	3739517	1.92E-04	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.78E-04	0.00E+00	0.00E+00	2.41E-05	4.68E-05	0.00E+00	0.00E+00
87	419554.4	3739509	1.92E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.80E-04	0.00E+00	0.00E+00	2.42E-05	4.70E-05	0.00E+00	0.00E+00
88	419566.6	3739496	1.96E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.89E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00
89	419575.2	3739493	2.00E-04	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	4.98E-04	0.00E+00	0.00E+00	2.51E-05	4.88E-05	0.00E+00	0.00E+00
90	419583.9	3739489	2.03E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.96E-05	0.00E+00	0.00E+00
91	419592.6	3739486	2.07E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.16E-04	0.00E+00	0.00E+00	2.60E-05	5.05E-05	0.00E+00	0.00E+00
92	419601.2	3739482	2.11E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.25E-04	0.00E+00	0.00E+00	2.65E-05	5.14E-05	0.00E+00	0.00E+00
93	419609.9	3739478	2.14E-04	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.33E-04	0.00E+00	0.00E+00	2.69E-05	5.22E-05	0.00E+00	0.00E+00
94	419618.5	3739475	2.18E-04	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.43E-04	0.00E+00	0.00E+00	2.74E-05	5.31E-05	0.00E+00	0.00E+00
95	419627.2	3739471	2.21E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.52E-04	0.00E+00	0.00E+00	2.78E-05	5.40E-05	0.00E+00	0.00E+00
96	419635.8	3739468	2.25E-04	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.61E-04	0.00E+00	0.00E+00	2.83E-05	5.49E-05	0.

107	419731	3739428	2.61E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.51E-04	0.00E+00	0.00E+00	3.28E-05	6.37E-05	0.00E+00	0.00E+00
108	419739.6	3739424	2.64E-04	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	6.57E-04	0.00E+00	0.00E+00	3.31E-05	6.43E-05	0.00E+00	0.00E+00
109	419748.3	3739421	2.66E-04	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	6.62E-04	0.00E+00	0.00E+00	3.34E-05	6.49E-05	0.00E+00	0.00E+00
110	419757	3739417	2.68E-04	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.67E-04	0.00E+00	0.00E+00	3.37E-05	6.53E-05	0.00E+00	0.00E+00
111	419505	3739532	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00
112	419508.5	3739523	1.75E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.35E-04	0.00E+00	0.00E+00	2.20E-05	4.26E-05	0.00E+00	0.00E+00
113	419512	3739515	1.75E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.37E-04	0.00E+00	0.00E+00	2.20E-05	4.28E-05	0.00E+00	0.00E+00
114	419515.5	3739506	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.29E-05	0.00E+00	0.00E+00
115	419519	3739498	1.76E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.40E-04	0.00E+00	0.00E+00	2.22E-05	4.31E-05	0.00E+00	0.00E+00
116	419522.6	3739489	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.23E-05	4.32E-05	0.00E+00	0.00E+00
117	419526.1	3739480	1.77E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.42E-04	0.00E+00	0.00E+00	2.23E-05	4.33E-05	0.00E+00	0.00E+00
118	419538.1	3739468	1.81E-04	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.51E-04	0.00E+00	0.00E+00	2.27E-05	4.41E-05	0.00E+00	0.00E+00
119	419546.7	3739465	1.84E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.58E-04	0.00E+00	0.00E+00	2.31E-05	4.48E-05	0.00E+00	0.00E+00
120	419555.2	3739461	1.87E-04	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.65E-04	0.00E+00	0.00E+00	2.35E-05	4.56E-05	0.00E+00	0.00E+00
121	419563.8	3739458	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00
122	419572.3	3739454	1.93E-04	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04	4.81E-04	0.00E+00	0.00E+00	2.43E-05	4.71E-05	0.00E+00	0.00E+00
123	419580.9	3739450	1.96E-04	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	4.89E-04	0.00E+00	0.00E+00	2.47E-05	4.79E-05	0.00E+00	0.00E+00
124	419589.5	3739447	1.99E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.97E-04	0.00E+00	0.00E+00	2.51E-05	4.86E-05	0.00E+00	0.00E+00
125	419598	3739443	2.02E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	5.05E-04	0.00E+00	0.00E+00	2.55E-05	4.94E-05	0.00E+00	0.00E+00
126	419606.6	3739440	2.06E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.12E-04	0.00E+00	0.00E+00	2.59E-05	5.02E-05	0.00E+00	0.00E+00
127	419615.1	3739436	2.09E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.20E-04	0.00E+00	0.00E+00	2.63E-05	5.10E-05	0.00E+00	0.00E+00
128	419623.7	3739433	2.12E-04	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	5.28E-04	0.00E+00	0.00E+00	2.67E-05	5.17E-05	0.00E+00	0.00E+00
129	419632.2	3739429	2.15E-04	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	5.36E-04	0.00E+00	0.00E+00	2.71E-05	5.25E-05	0.00E+00	0.00E+00
130	419640.8	3739426	2.18E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.44E-04	0.00E+00	0.00E+00	2.74E-05	5.33E-05	0.00E+00	0.00E+00
131	419649.3	3739422	2.21E-04	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.51E-04	0.00E+00	0.00E+00	2.78E-05	5.40E-05	0.00E+00	0.00E+00
132	419657.9	3739418	2.24E-04	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	5.59E-04	0.00E+00	0.00E+00	2.82E-05	5.47E-05	0.00E+00	0.00E+00
133	419666.4	3739415	2.27E-04	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.66E-04	0.00E+00	0.00E+00	2.85E-05	5.54E-05	0.00E+00	0.00E+00
134	419675	3739411	2.30E-04	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	5.73E-04	0.00E+00	0.00E+00	2.89E-05	5.61E-05	0.00E+00	0.00E+00
135	419683.5	3739408	2.33E-04	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	5.80E-04	0.00E+00	0.00E+00	2.93E-05	5.68E-05	0.00E+00	0.00E+00
136	419692.1	3739404	2.35E-04	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.87E-04	0.00E+00	0.00E+00	2.96E-05	5.75E-05	0.00E+00	0.00E+00
137	419700.7	3739401	2.38E-04	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	5.93E-04	0.00E+00	0.00E+00	2.99E-05	5.81E-05	0.00E+00	0.00E+00
138	419709.2	3739397	2.40E-04	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	5.99E-04	0.00E+00	0.00E+00	3.02E-05	5.87E-05	0.00E+00	0.00E+00
139	419717.8	3739394	2.43E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.04E-04	0.00E+00	0.00E+00	3.05E-05	5.92E-05	0.00E+00	0.00E+00
140	419726.3	3739390	2.44E-04	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	6.09E-04	0.00E+00	0.00E+00	3.07E-05	5.97E-05	0.00E+00	0.00E+00
141	419734.9	3739386	2.46E-04	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	6.14E-04	0.00E+00	0.00E+00	3.10E-05	6.01E-05	0.00E+00	0.00E+00
142	419509.8	3739440	1.67E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.15E-04	0.00E+00	0.00E+00	2.10E-05	4.07E-05	0.00E+00	0.00E+00
143	419518.4	3739436	1.69E-04	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.22E-04	0.00E+00	0.00E+00	2.13E-05	4.13E-05	0.00E+00	0.00E+00
144	419527	3739433	1.72E-04	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.29E-04	0.00E+00	0.00E+00	2.16E-05	4.20E-05	0.00E+00	0.00E+00
145	419535.6	3739429	1.75E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.35E-04	0.00E+00	0.00E+00	2.20E-05	4.26E-05	0.00E+00	0.00E+00
146	419544.2	3739426	1.77E-04	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.42E-04	0.00E+00	0.00E+00	2.23E-05	4.33E-05	0.00E+00	0.00E+00
147	419552.8	3739422	1.80E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.49E-04	0.00E+00	0.00E+00	2.27E-05	4.40E-05	0.00E+00	0.00E+00
148	419561.4	3739419	1.83E-04	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.57E-04	0.00E+00	0.00E+00	2.30E-05	4.47E-05	0.00E+00	0.00E+00
149	419570	3739415	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.55E-05	0.00E+00	0.00E+00
150	419578.6	3739411	1.89E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.72E-04	0.00E+00	0.00E+00	2.38E-05	4.62E-05	0.00E+00	0.00E+00
151	419587.2	3739408	1.92E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.79E-04	0.00E+00	0.00E+00	2.42E-05	4.69E-05	0.00E+00	0.00E+00
152	419595.8	3739404	1.95E-04	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.86E-04	0.00E+00	0.00E+00	2.45E-05	4.76E-05	0.00E+00	0.00E+00
153	419604.4	3739401	1.98E-04	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-04	4.93E-04	0.00E+00	0.00E+00	2.49E-05	4.83E-05	0.00E+00	0.00E+00
154	419612.9	3739397	2.01E-04	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.00E-04	0.00E+00	0.00E+00	2.52E-05	4.90E-05	0.00E+00	0.00E+00
155	419621.5	3739394	2.03E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.96E-05	0.00E+00	0.00E+00
156	419630.1	3739390	2.06E-04	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	5.14E-04	0.00E+00	0.00E+00	2.59E-05	5.03E-05	0.00E+00	0.00E+00
157	419638.7	3739386	2.09E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.20E-04	0.00E+00	0.00E+00	2.62E-05	5.09E-05	0.00E+00	0.00E+00
158	419647.3	3739383	2.11E-04	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.26E-04	0.00E+00	0.00E+00	2.66E-05	5.15E-05	0.00E+00	0.00E+00
159	419655.9	3739379	2.14E-04	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	5.32E-04	0.00E+00	0.00E+00	2.69E-05	5.21E-05	0.00E+00	0.00E+00
160	419664.5	3739376	2.16E-04	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.38E-04	0.00E+00	0.00E+00	2.71E-05	5.27E-05	0.00E+00	0.00E+00
161	419673.1	3739372	2.18E-04	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.44E-04	0.00E+00	0.00E+00	2.74E-05	5.32E-05	0.00E+00	0.00E+00
162	419681.7	3739369	2.20E-04	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	5.49E-04	0.00E+00	0.00E+00	2.77E-05	5.38E-05	0.00E+00	0.00E+00
163	419507.4	3739401	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
164	419516	3739397	1.64E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.08E-04	0.00E+00	0.00E+00	2.06E-05	4.00E-05	0.00E+00	0.00E+00
165	419524.6	3739394	1.66E-04	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.15E-04	0.00E+00	0.00E+00	2.09E-05	4.06E-05	0.00E+00	0.00E+00
166	419533.3	3739390	1.69E-04	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.21E-04	0.00E+00	0.00E+00	2.12E-05	4.12E-05	0.00E+00	0.00E+00
167	419541.9	3739387	1.72E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.28E-04	0.00E+00	0.00E+00	2.16E-05	4.19E-05	0.00E+00	0.00E+00
168	419550.5	3739383	1.74E-04	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.34E-04	0.00E+00	0.00E+00	2.19E-05	4.25E-05	0.00E+00	0.00E+00
169	419559.2	3739379	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.22E-05	4.32E-05	0.00E+00	0.00E+00
170	419567.8	3739376	1.80E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.48E-04	0.00E+00	0.00E+00	2.26E-05	4.38E-05	0.00E+00	0.00E+00
171	419576.4	3739372	1.82E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.54E-04	0.00E+00	0.00E+00	2.29E-05	4.45E-05	0.00E+00	0.00E+00
172	419585.1	3739369	1.85E-04	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.61E-04	0.00E+00	0.00E+00	2.33E-05	4.51E-05	0.00E+00	0.00E+00
173	419593.7	3739365	1.87E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.67E-04	0.00E+00	0.00E+00	2.36E-05	4.57E-05	0.00E+00	0.00E+00
174	419602.3	3739362	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.64E-05	0.00E+00	0.00E+00
175	419611	3739358	1.92E-04	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	4.79E-04	0.00E+00	0.00E+00	2.42E-05	4.70E-05	0.00E+00	0.00E+00
176	419619.6	3739354	1.95E-04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	4.85E-04	0.00E+00	0.00E+00	2.45E-05	4.75E-05	0.00E+00	0.00E+00
177	419628.2	3739351	1.97E-04	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	4.91E-04	0.00E+00	0.00E+00	2.48E-05	4.81E-05	0.00E+00	0.00E+00
178	419636.9	3739347	1.99E-04	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	4.97E-04	0.00E+00	0.00E+00	2.51E-05	4.86E-05	0.00E+00	0.00E+00
179	419645.5	3739344	2.01E-04	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	5.02E-04	0.00E+00	0.00E+00	2.53E-05	4.91E-05	0.00E+00	0.00E+00
180	419654.1	3739340	2.03E-04	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	5.07E-04	0.00E+00	0.00E+00	2.56E-05	4.96E-05	0.00E+00	0.00E+00
181	419662.8	3739336	2.05E-04	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	5.12E-04	0.00E+00	0.00E+00	2.58E-05	5.01E-05	0.00E+00	0.00E+00
182	419671.4	3739333	2.07E-04	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	5.16E-04	0.00E+00	0.00E+00	2.60E-05	5.05E-05	0.00E+00	0.00E+00
183	419680	3739329	2.09E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	5.20E-04	0.00E+00	0.00E+00	2.63E-05	5.10E-05	0.00E+00	0.00E+00
184	419688.7	3739326	2.10E-04	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	5.24E-04	0.00E+00	0.00E+00	2.65E-05	5.13E-05	0.00E+00	0.00E+00
185	419453.2	3739384	1.43E-04	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.56E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00
186	419461.8	3739380	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.82E-05	3.54E-05	0.00E+00	0.00E+00
187	419470.5	3739376	1.47E-04	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.67E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00
188	419479.2	3739373	1.49E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.65E-05	0.00E+00	0.00E+00
189	419487.8	3739369	1.52E-04	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.78E-04	0.00E+00	0.00E+00	1.91E-05	3.70E-05	0.00E+00	0.00E+00
190	419496.5	3739366	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
191	419505.2	3739362	1.57E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.82E-05	0.00E+00	0.00E+00
192	419513.8	3739358	1.59E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.96E-04	0.00E+00	0.00E+00	2.00E-05	3.88E-05	0.00E+00	0.00E+00
193	419522.5	3739355	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
194	419531.2	3739351	1.64E-04	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.08E-04	0.00E+00	0.00E+00	2.06E-05	4.00E-05	0.00E+00	0.00E+00
195	419539.8	3739348	1.66E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.14E-04	0.00E+00	0.00E+00	2.09E-05	4.06E-05	0.00E+00	0.00E+00
196	419548.5	3739344	1.69E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.20E-04	0.00E+00	0.00E+00	2.12E-05	4.11E-05	0.00E+00	0.00E+00
197	419557.2	3739340	1.71E-04	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.26E-04	0.00E+00	0.00E+00	2.15E-05	4.17E-05	0.00E+00	0.00E+00
198	419565.8	3739337	1.73E-04	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	4.32E-04	0.00E+00	0.00E+00	2.18E-05	4.23E-05	0.00E+00	0.00E+00
199	419574.5	3739333	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.28E-05	0.00E+00	0.00E+00
200	419583.2	3739330	1.78E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.43E-04	0.00E+00	0.00E+00	2.24E-05	4.34E-05	0.00E+00	0.00E+00
201	419591.8	3739326	1.80E-04	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.49E-04	0.00E+00	0.00E+00	2.26E-05	4.39E-05	0.00E+00	0.00E+00
202	419600.5	3739322	1.82E-04	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	4.54E-04	0.00E+00	0.00E+00	2.29E-05	4.44E-05	0.00E+00	0.00E+00
203	419609.1	3739319	1.84E-04	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.59E-04	0.00E+00	0.00E+00	2.32E-05	4.49E-05	0.00E+00	0.00E+00
204	419617.8	3739315	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.54E-05	0.00E

217	419433.3	3739352	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
218	419441.9	3739348	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.72E-05	3.35E-05	0.00E+00	0.00E+00
219	419450.5	3739345	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.39E-05	0.00E+00	0.00E+00
220	419459	3739341	1.41E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.52E-04	0.00E+00	0.00E+00	1.77E-05	3.44E-05	0.00E+00	0.00E+00
221	419467.6	3739338	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00
222	419476.2	3739334	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.83E-05	3.55E-05	0.00E+00	0.00E+00
223	419484.8	3739330	1.48E-04	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	3.68E-04	0.00E+00	0.00E+00	1.86E-05	3.60E-05	0.00E+00	0.00E+00
224	419493.4	3739327	1.50E-04	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	3.73E-04	0.00E+00	0.00E+00	1.88E-05	3.66E-05	0.00E+00	0.00E+00
225	419502	3739323	1.52E-04	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	3.79E-04	0.00E+00	0.00E+00	1.91E-05	3.71E-05	0.00E+00	0.00E+00
226	419510.5	3739320	1.54E-04	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.84E-04	0.00E+00	0.00E+00	1.94E-05	3.76E-05	0.00E+00	0.00E+00
227	419519.1	3739316	1.56E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.89E-04	0.00E+00	0.00E+00	1.96E-05	3.81E-05	0.00E+00	0.00E+00
228	419527.7	3739313	1.58E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.94E-04	0.00E+00	0.00E+00	1.99E-05	3.86E-05	0.00E+00	0.00E+00
229	419536.3	3739309	1.60E-04	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	4.00E-04	0.00E+00	0.00E+00	2.02E-05	3.91E-05	0.00E+00	0.00E+00
230	419544.9	3739305	1.62E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00
231	419553.5	3739302	1.64E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.01E-05	0.00E+00	0.00E+00
232	419562	3739298	1.66E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.14E-04	0.00E+00	0.00E+00	2.09E-05	4.06E-05	0.00E+00	0.00E+00
233	419570.6	3739295	1.68E-04	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	4.19E-04	0.00E+00	0.00E+00	2.12E-05	4.11E-05	0.00E+00	0.00E+00
234	419579.2	3739291	1.70E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.24E-04	0.00E+00	0.00E+00	2.14E-05	4.15E-05	0.00E+00	0.00E+00
235	419587.8	3739288	1.72E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.28E-04	0.00E+00	0.00E+00	2.16E-05	4.20E-05	0.00E+00	0.00E+00
236	419596.4	3739284	1.74E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.33E-04	0.00E+00	0.00E+00	2.18E-05	4.24E-05	0.00E+00	0.00E+00
237	419605	3739280	1.75E-04	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.37E-04	0.00E+00	0.00E+00	2.21E-05	4.28E-05	0.00E+00	0.00E+00
238	419613.5	3739277	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.22E-05	4.32E-05	0.00E+00	0.00E+00
239	419622.1	3739273	1.78E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.45E-04	0.00E+00	0.00E+00	2.24E-05	4.36E-05	0.00E+00	0.00E+00
240	419630.7	3739270	1.80E-04	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	4.48E-04	0.00E+00	0.00E+00	2.26E-05	4.39E-05	0.00E+00	0.00E+00
241	419639.3	3739266	1.81E-04	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	4.52E-04	0.00E+00	0.00E+00	2.28E-05	4.42E-05	0.00E+00	0.00E+00
242	419647.9	3739263	1.83E-04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	4.55E-04	0.00E+00	0.00E+00	2.30E-05	4.46E-05	0.00E+00	0.00E+00
243	419656.5	3739259	1.84E-04	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	4.58E-04	0.00E+00	0.00E+00	2.31E-05	4.49E-05	0.00E+00	0.00E+00
244	419665	3739255	1.85E-04	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.61E-04	0.00E+00	0.00E+00	2.33E-05	4.52E-05	0.00E+00	0.00E+00
245	419673.6	3739252	1.86E-04	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	4.64E-04	0.00E+00	0.00E+00	2.34E-05	4.54E-05	0.00E+00	0.00E+00
246	419682.2	3739248	1.87E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	4.67E-04	0.00E+00	0.00E+00	2.35E-05	4.57E-05	0.00E+00	0.00E+00
247	419690.8	3739245	1.88E-04	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	4.69E-04	0.00E+00	0.00E+00	2.37E-05	4.59E-05	0.00E+00	0.00E+00
248	419699.4	3739241	1.89E-04	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.71E-04	0.00E+00	0.00E+00	2.38E-05	4.61E-05	0.00E+00	0.00E+00
249	419708	3739238	1.89E-04	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	4.72E-04	0.00E+00	0.00E+00	2.38E-05	4.62E-05	0.00E+00	0.00E+00
250	419716.5	3739234	1.90E-04	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	4.73E-04	0.00E+00	0.00E+00	2.39E-05	4.63E-05	0.00E+00	0.00E+00
251	419366.6	3739383	1.22E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.97E-05	0.00E+00	0.00E+00
252	419370.1	3739374	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.53E-05	2.97E-05	0.00E+00	0.00E+00
253	419373.6	3739365	1.22E-04	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.04E-04	0.00E+00	0.00E+00	1.54E-05	2.98E-05	0.00E+00	0.00E+00
254	419377.2	3739357	1.22E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00
255	419380.7	3739348	1.23E-04	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.05E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00
256	419384.2	3739339	1.23E-04	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.06E-04	0.00E+00	0.00E+00	1.54E-05	2.99E-05	0.00E+00	0.00E+00
257	419396.4	3739327	1.24E-04	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	3.10E-04	0.00E+00	0.00E+00	1.56E-05	3.03E-05	0.00E+00	0.00E+00
258	419405	3739324	1.26E-04	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.14E-04	0.00E+00	0.00E+00	1.58E-05	3.07E-05	0.00E+00	0.00E+00
259	419413.6	3739320	1.28E-04	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.18E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
260	419422.2	3739316	1.30E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
261	419430.9	3739313	1.31E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.27E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00
262	419439.5	3739309	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.68E-05	3.25E-05	0.00E+00	0.00E+00
263	419448.1	3739306	1.35E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	3.37E-04	0.00E+00	0.00E+00	1.70E-05	3.30E-05	0.00E+00	0.00E+00
264	419456.7	3739302	1.37E-04	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	3.42E-04	0.00E+00	0.00E+00	1.72E-05	3.35E-05	0.00E+00	0.00E+00
265	419465.3	3739299	1.39E-04	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	3.47E-04	0.00E+00	0.00E+00	1.75E-05	3.40E-05	0.00E+00	0.00E+00
266	419473.9	3739295	1.41E-04	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	3.52E-04	0.00E+00	0.00E+00	1.78E-05	3.44E-05	0.00E+00	0.00E+00
267	419482.5	3739291	1.43E-04	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	3.57E-04	0.00E+00	0.00E+00	1.80E-05	3.49E-05	0.00E+00	0.00E+00
268	419491.2	3739288	1.45E-04	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	3.62E-04	0.00E+00	0.00E+00	1.82E-05	3.54E-05	0.00E+00	0.00E+00
269	419499.8	3739284	1.47E-04	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	3.66E-04	0.00E+00	0.00E+00	1.85E-05	3.59E-05	0.00E+00	0.00E+00
270	419508.4	3739281	1.49E-04	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	3.71E-04	0.00E+00	0.00E+00	1.87E-05	3.63E-05	0.00E+00	0.00E+00
271	419517	3739277	1.51E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	3.76E-04	0.00E+00	0.00E+00	1.90E-05	3.68E-05	0.00E+00	0.00E+00
272	419525.6	3739273	1.53E-04	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	3.81E-04	0.00E+00	0.00E+00	1.92E-05	3.73E-05	0.00E+00	0.00E+00
273	419534.2	3739270	1.54E-04	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	3.85E-04	0.00E+00	0.00E+00	1.94E-05	3.77E-05	0.00E+00	0.00E+00
274	419542.9	3739266	1.56E-04	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.90E-04	0.00E+00	0.00E+00	1.97E-05	3.81E-05	0.00E+00	0.00E+00
275	419551.5	3739263	1.58E-04	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.94E-04	0.00E+00	0.00E+00	1.99E-05	3.86E-05	0.00E+00	0.00E+00
276	419560.1	3739259	1.60E-04	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.98E-04	0.00E+00	0.00E+00	2.01E-05	3.90E-05	0.00E+00	0.00E+00
277	419568.7	3739256	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
278	419577.3	3739252	1.63E-04	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.06E-04	0.00E+00	0.00E+00	2.05E-05	3.98E-05	0.00E+00	0.00E+00
279	419585.9	3739248	1.64E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.01E-05	0.00E+00	0.00E+00
280	419594.6	3739245	1.66E-04	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	4.14E-04	0.00E+00	0.00E+00	2.09E-05	4.05E-05	0.00E+00	0.00E+00
281	419603.2	3739241	1.67E-04	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	4.17E-04	0.00E+00	0.00E+00	2.10E-05	4.08E-05	0.00E+00	0.00E+00
282	419611.8	3739238	1.69E-04	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	4.20E-04	0.00E+00	0.00E+00	2.12E-05	4.12E-05	0.00E+00	0.00E+00
283	419620.4	3739234	1.70E-04	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	4.24E-04	0.00E+00	0.00E+00	2.14E-05	4.15E-05	0.00E+00	0.00E+00
284	419629	3739230	1.71E-04	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	4.27E-04	0.00E+00	0.00E+00	2.15E-05	4.18E-05	0.00E+00	0.00E+00
285	419637.6	3739227	1.72E-04	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	4.30E-04	0.00E+00	0.00E+00	2.17E-05	4.21E-05	0.00E+00	0.00E+00
286	419646.3	3739223	1.74E-04	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	4.33E-04	0.00E+00	0.00E+00	2.18E-05	4.24E-05	0.00E+00	0.00E+00
287	419654.9	3739220	1.75E-04	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	4.35E-04	0.00E+00	0.00E+00	2.20E-05	4.26E-05	0.00E+00	0.00E+00
288	419663.5	3739216	1.76E-04	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.38E-04	0.00E+00	0.00E+00	2.21E-05	4.29E-05	0.00E+00	0.00E+00
289	419672.1	3739213	1.76E-04	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	4.40E-04	0.00E+00	0.00E+00	2.22E-05	4.31E-05	0.00E+00	0.00E+00
290	419680.7	3739209	1.77E-04	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	4.41E-04	0.00E+00	0.00E+00	2.23E-05	4.32E-05	0.00E+00	0.00E+00
291	419689.3	3739205	1.78E-04	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.43E-04	0.00E+00	0.00E+00	2.23E-05	4.33E-05	0.00E+00	0.00E+00
292	419698	3739202	1.78E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.44E-04	0.00E+00	0.00E+00	2.24E-05	4.34E-05	0.00E+00	0.00E+00
293	419706.6	3739198	1.78E-04	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	4.44E-04	0.00E+00	0.00E+00	2.24E-05	4.35E-05	0.00E+00	0.00E+00
294	419715.2	3739195	1.79E-04	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	4.45E-04	0.00E+00	0.00E+00	2.25E-05	4.36E-05	0.00E+00	0.00E+00
295	419327.5	3739381	1.13E-04	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.82E-04	0.00E+00	0.00E+00	1.42E-05	2.76E-05	0.00E+00	0.00E+00
296	419331	3739372	1.13E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
297	419334.6	3739363	1.14E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.83E-04	0.00E+00	0.00E+00	1.43E-05	2.77E-05	0.00E+00	0.00E+00
298	419338.1	3739355	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
299	419341.7	3739346	1.14E-04	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.84E-04	0.00E+00	0.00E+00	1.43E-05	2.78E-05	0.00E+00	0.00E+00
300	419345.2	3739337	1.14E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.85E-04	0.00E+00	0.00E+00	1.44E-05	2.79E-05	0.00E+00	0.00E+00
301	419348.8	3739329	1.14E-04	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	2.85E-04	0.00E+00	0.00E+00	1.44E-05	2.79E-05	0.00E+00	0.00E+00
302	419352.3	3739320	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00
303	419355.9	3739311	1.15E-04	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	2.86E-04	0.00E+00	0.00E+00	1.44E-05	2.80E-05	0.00E+00	0.00E+00
304	419368.1	3739299	1.17E-04	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	2.91E-04	0.00E+00	0.00E+00	1.47E-05	2.85E-05	0.00E+00	0.00E+00
305	419376.7	3739295	1.18E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.95E-04	0.00E+00	0.00E+00	1.49E-05	2.89E-05	0.00E+00	0.00E+00
306	419385.3	3739292	1.20E-04	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	2.99E-04	0.00E+00	0.00E+00	1.51E-05	2.93E-05	0.00E+00	0.00E+00
307	419394	3739288	1.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	3.03E-04	0.00E+00	0.00E+00	1.53E-05	2.96E-05	0.00E+00	0.00E+00
308	419402.6	3739285	1.23E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	3.07E-04	0.00E+00	0.00E+00	1.55E-05	3.00E-05	0.00E+00	0.00E+00
309	419411.3	3739281	1.25E-04	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	3.11E-04	0.00E+00	0.00E+00	1.57E-05	3.04E-05	0.00E+00	0.00E+00
310	419419.9	3739277	1.26E-04	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	3.15E-04	0.00E+00	0.00E+00	1.59E-05	3.08E-05	0.00E+00	0.00E+00
311	419428.6	3739274	1.28E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	3.19E-04	0.00E+00	0.00E+00	1.61E-05	3.12E-05	0.00E+00	0.00E+00
312	419437.2	3739270	1.30E-04	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	3.23E-04	0.00E+00	0.00E+00	1.63E-05	3.16E-05	0.00E+00	0.00E+00
313	419445.9	3739267	1.31E-04	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	3.28E-04	0.00E+00	0.00E+00	1.65E-05	3.21E-05	0.00E+00	0.00E+00
314	419454.5	3739263	1.33E-04	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	3.32E-04	0.00E+00	0.00E+00	1.67E-05	3.25E-05	0.00E

327	419566.9	3739216	1.55E-04	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	3.86E-04	0.00E+00	0.00E+00	1.95E-05	3.78E-05	0.00E+00	0.00E+00
328	419575.6	3739213	1.56E-04	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	3.89E-04	0.00E+00	0.00E+00	1.96E-05	3.81E-05	0.00E+00	0.00E+00
329	419584.2	3739209	1.58E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	3.93E-04	0.00E+00	0.00E+00	1.98E-05	3.85E-05	0.00E+00	0.00E+00
330	419592.9	3739205	1.59E-04	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.96E-04	0.00E+00	0.00E+00	2.00E-05	3.88E-05	0.00E+00	0.00E+00
331	419601.5	3739202	1.60E-04	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	3.99E-04	0.00E+00	0.00E+00	2.01E-05	3.91E-05	0.00E+00	0.00E+00
332	419610.2	3739198	1.61E-04	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	4.02E-04	0.00E+00	0.00E+00	2.03E-05	3.94E-05	0.00E+00	0.00E+00
333	419618.8	3739195	1.62E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.05E-04	0.00E+00	0.00E+00	2.04E-05	3.96E-05	0.00E+00	0.00E+00
334	419627.5	3739191	1.63E-04	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	4.07E-04	0.00E+00	0.00E+00	2.05E-05	3.99E-05	0.00E+00	0.00E+00
335	419636.1	3739187	1.64E-04	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.10E-04	0.00E+00	0.00E+00	2.07E-05	4.01E-05	0.00E+00	0.00E+00
336	420849.3	3740059	2.97E-04	7.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	7.40E-04	0.00E+00	0.00E+00	3.73E-05	7.24E-05	0.00E+00	0.00E+00
337	420849.2	3740050	2.90E-04	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	7.22E-04	0.00E+00	0.00E+00	3.64E-05	7.07E-05	0.00E+00	0.00E+00
338	420849.2	3740041	2.83E-04	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	7.05E-04	0.00E+00	0.00E+00	3.56E-05	6.90E-05	0.00E+00	0.00E+00
339	420849.1	3740032	2.76E-04	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	6.87E-04	0.00E+00	0.00E+00	3.47E-05	6.72E-05	0.00E+00	0.00E+00
340	420849.1	3740023	2.68E-04	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	6.69E-04	0.00E+00	0.00E+00	3.37E-05	6.55E-05	0.00E+00	0.00E+00
341	420849	3740014	2.61E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.51E-04	0.00E+00	0.00E+00	3.29E-05	6.38E-05	0.00E+00	0.00E+00
342	420849	3740005	2.55E-04	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	6.35E-04	0.00E+00	0.00E+00	3.21E-05	6.22E-05	0.00E+00	0.00E+00
343	420889.3	3740058	2.67E-04	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	6.64E-04	0.00E+00	0.00E+00	3.35E-05	6.51E-05	0.00E+00	0.00E+00
344	420889.2	3740049	2.60E-04	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	6.49E-04	0.00E+00	0.00E+00	3.27E-05	6.35E-05	0.00E+00	0.00E+00
345	420889.2	3740040	2.54E-04	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	6.33E-04	0.00E+00	0.00E+00	3.19E-05	6.20E-05	0.00E+00	0.00E+00
346	420889.1	3740031	2.47E-04	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	6.17E-04	0.00E+00	0.00E+00	3.11E-05	6.04E-05	0.00E+00	0.00E+00
347	420889.1	3740022	2.41E-04	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	6.00E-04	0.00E+00	0.00E+00	3.03E-05	5.88E-05	0.00E+00	0.00E+00
348	420889	3740013	2.35E-04	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	5.84E-04	0.00E+00	0.00E+00	2.95E-05	5.72E-05	0.00E+00	0.00E+00
349	420889	3740004	2.29E-04	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	5.70E-04	0.00E+00	0.00E+00	2.88E-05	5.58E-05	0.00E+00	0.00E+00
350	420929.3	3740058	2.43E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	6.05E-04	0.00E+00	0.00E+00	3.05E-05	5.93E-05	0.00E+00	0.00E+00
351	420929.2	3740049	2.37E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	5.92E-04	0.00E+00	0.00E+00	2.99E-05	5.79E-05	0.00E+00	0.00E+00
352	420929.1	3740031	2.27E-04	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	5.65E-04	0.00E+00	0.00E+00	2.85E-05	5.53E-05	0.00E+00	0.00E+00
353	420929.1	3740022	2.21E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	5.52E-04	0.00E+00	0.00E+00	2.78E-05	5.40E-05	0.00E+00	0.00E+00
354	420929	3740013	2.16E-04	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	5.39E-04	0.00E+00	0.00E+00	2.72E-05	5.28E-05	0.00E+00	0.00E+00
355	420929	3740004	2.11E-04	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	5.27E-04	0.00E+00	0.00E+00	2.66E-05	5.16E-05	0.00E+00	0.00E+00
356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427

437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

657	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00

767	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			63	419760.21	3739495.88	
	Max Yr	**2**	UnMitigated	T2	T2L3	T4
	Row	**19**	3.82E-03	0.00E+00	3.82E-03	3.74E-04
		Col	**3**	**4**	**5**	**6**
		Adjustment	**100%**	**0%**	**100%**	**10%**
			Year 2	Year 2	Year 2	Year 2
1	420831.2	3739962	3.02E-03	0.00E+00	3.02E-03	2.96E-04
2	420834.8	3739971	3.07E-03	0.00E+00	3.07E-03	3.01E-04
3	420838.3	3739979	3.12E-03	0.00E+00	3.12E-03	3.06E-04
4	420841.9	3739988	3.10E-03	0.00E+00	3.10E-03	3.03E-04
5	420845.4	3739996	3.14E-03	0.00E+00	3.14E-03	3.07E-04
6	420835.3	3739876	2.24E-03	0.00E+00	2.24E-03	2.19E-04
7	420838.9	3739885	2.28E-03	0.00E+00	2.28E-03	2.23E-04
8	420842.5	3739893	2.33E-03	0.00E+00	2.33E-03	2.28E-04
9	420846.1	3739902	2.38E-03	0.00E+00	2.38E-03	2.33E-04
10	420849.6	3739910	2.43E-03	0.00E+00	2.43E-03	2.38E-04
11	420853.2	3739919	2.48E-03	0.00E+00	2.48E-03	2.42E-04
12	420856.8	3739927	2.52E-03	0.00E+00	2.52E-03	2.46E-04
13	420860.4	3739936	2.55E-03	0.00E+00	2.55E-03	2.50E-04
14	420864	3739945	2.59E-03	0.00E+00	2.59E-03	2.54E-04
15	420867.5	3739953	2.63E-03	0.00E+00	2.63E-03	2.57E-04
16	420871.1	3739962	2.67E-03	0.00E+00	2.67E-03	2.61E-04
17	420874.7	3739970	2.71E-03	0.00E+00	2.71E-03	2.65E-04
18	420878.3	3739979	2.75E-03	0.00E+00	2.75E-03	2.69E-04
19	420881.8	3739987	2.78E-03	0.00E+00	2.78E-03	2.72E-04
20	420885.4	3739996	2.81E-03	0.00E+00	2.81E-03	2.76E-04
21	420853.5	3739824	1.89E-03	0.00E+00	1.89E-03	1.85E-04
22	420857.1	3739832	1.92E-03	0.00E+00	1.92E-03	1.88E-04
23	420860.7	3739841	1.95E-03	0.00E+00	1.95E-03	1.91E-04
24	420864.3	3739850	1.99E-03	0.00E+00	1.99E-03	1.94E-04
25	420867.9	3739858	2.02E-03	0.00E+00	2.02E-03	1.98E-04
26	420871.5	3739867	2.05E-03	0.00E+00	2.05E-03	2.01E-04
27	420875.1	3739875	2.09E-03	0.00E+00	2.09E-03	2.05E-04
28	420878.7	3739884	2.13E-03	0.00E+00	2.13E-03	2.08E-04
29	420882.3	3739892	2.17E-03	0.00E+00	2.17E-03	2.12E-04
30	420885.9	3739901	2.21E-03	0.00E+00	2.21E-03	2.16E-04
31	420889.4	3739910	2.25E-03	0.00E+00	2.25E-03	2.21E-04
32	420893	3739918	2.30E-03	0.00E+00	2.30E-03	2.25E-04
33	420896.6	3739927	2.33E-03	0.00E+00	2.33E-03	2.28E-04
34	420900.2	3739935	2.35E-03	0.00E+00	2.35E-03	2.31E-04
35	420903.8	3739944	2.38E-03	0.00E+00	2.38E-03	2.33E-04
36	420907.4	3739953	2.41E-03	0.00E+00	2.41E-03	2.36E-04
37	420911	3739961	2.44E-03	0.00E+00	2.44E-03	2.39E-04
38	420914.6	3739970	2.47E-03	0.00E+00	2.47E-03	2.42E-04
39	420918.2	3739978	2.51E-03	0.00E+00	2.51E-03	2.45E-04

40	420921.8	3739987	2.55E-03	0.00E+00	2.55E-03	2.49E-04
41	420925.4	3739996	2.59E-03	0.00E+00	2.59E-03	2.54E-04
42	420893.2	3739823	1.78E-03	0.00E+00	1.78E-03	1.74E-04
43	420896.8	3739831	1.80E-03	0.00E+00	1.80E-03	1.77E-04
44	420900.4	3739840	1.83E-03	0.00E+00	1.83E-03	1.79E-04
45	420904	3739849	1.86E-03	0.00E+00	1.86E-03	1.82E-04
46	420907.6	3739857	1.89E-03	0.00E+00	1.89E-03	1.85E-04
47	420911.2	3739866	1.92E-03	0.00E+00	1.92E-03	1.88E-04
48	420914.8	3739875	1.96E-03	0.00E+00	1.96E-03	1.92E-04
49	420918.4	3739883	1.99E-03	0.00E+00	1.99E-03	1.95E-04
50	420922	3739892	2.03E-03	0.00E+00	2.03E-03	1.98E-04
51	420925.7	3739900	2.06E-03	0.00E+00	2.06E-03	2.02E-04
52	420929.3	3739909	2.09E-03	0.00E+00	2.09E-03	2.05E-04
53	419674.6	3739531	3.29E-03	0.00E+00	3.29E-03	3.23E-04
54	419683.2	3739528	3.35E-03	0.00E+00	3.35E-03	3.28E-04
55	419691.7	3739524	3.41E-03	0.00E+00	3.41E-03	3.34E-04
56	419700.3	3739521	3.47E-03	0.00E+00	3.47E-03	3.39E-04
57	419708.8	3739517	3.52E-03	0.00E+00	3.52E-03	3.45E-04
58	419717.4	3739514	3.58E-03	0.00E+00	3.58E-03	3.50E-04
59	419726	3739510	3.63E-03	0.00E+00	3.63E-03	3.56E-04
60	419734.5	3739507	3.68E-03	0.00E+00	3.68E-03	3.61E-04
61	419743.1	3739503	3.73E-03	0.00E+00	3.73E-03	3.65E-04
62	419751.7	3739499	3.77E-03	0.00E+00	3.77E-03	3.70E-04
63	419760.2	3739496	3.82E-03	0.00E+00	3.82E-03	3.74E-04
64	419594.9	3739525	2.68E-03	0.00E+00	2.68E-03	2.62E-04
65	419603.5	3739521	2.73E-03	0.00E+00	2.73E-03	2.67E-04
66	419612.1	3739517	2.78E-03	0.00E+00	2.78E-03	2.72E-04
67	419620.7	3739514	2.83E-03	0.00E+00	2.83E-03	2.77E-04
68	419629.4	3739510	2.88E-03	0.00E+00	2.88E-03	2.82E-04
69	419638	3739507	2.93E-03	0.00E+00	2.93E-03	2.87E-04
70	419646.6	3739503	2.99E-03	0.00E+00	2.99E-03	2.92E-04
71	419655.2	3739500	3.04E-03	0.00E+00	3.04E-03	2.98E-04
72	419663.8	3739496	3.09E-03	0.00E+00	3.09E-03	3.03E-04
73	419672.4	3739492	3.14E-03	0.00E+00	3.14E-03	3.08E-04
74	419681	3739489	3.19E-03	0.00E+00	3.19E-03	3.12E-04
75	419689.6	3739485	3.24E-03	0.00E+00	3.24E-03	3.17E-04
76	419698.2	3739482	3.29E-03	0.00E+00	3.29E-03	3.22E-04
77	419706.8	3739478	3.33E-03	0.00E+00	3.33E-03	3.26E-04
78	419715.5	3739475	3.38E-03	0.00E+00	3.38E-03	3.31E-04
79	419724.1	3739471	3.42E-03	0.00E+00	3.42E-03	3.35E-04
80	419732.7	3739467	3.46E-03	0.00E+00	3.46E-03	3.39E-04
81	419741.3	3739464	3.50E-03	0.00E+00	3.50E-03	3.43E-04
82	419749.9	3739460	3.53E-03	0.00E+00	3.53E-03	3.46E-04
83	419758.5	3739457	3.57E-03	0.00E+00	3.57E-03	3.49E-04
84	419543.7	3739535	2.38E-03	0.00E+00	2.38E-03	2.33E-04
85	419547.3	3739526	2.39E-03	0.00E+00	2.39E-03	2.34E-04
86	419550.8	3739517	2.39E-03	0.00E+00	2.39E-03	2.34E-04

87	419554.4	3739509	2.40E-03	0.00E+00	2.40E-03	2.35E-04
88	419566.6	3739496	2.45E-03	0.00E+00	2.45E-03	2.40E-04
89	419575.2	3739493	2.49E-03	0.00E+00	2.49E-03	2.44E-04
90	419583.9	3739489	2.53E-03	0.00E+00	2.53E-03	2.48E-04
91	419592.6	3739486	2.58E-03	0.00E+00	2.58E-03	2.53E-04
92	419601.2	3739482	2.62E-03	0.00E+00	2.62E-03	2.57E-04
93	419609.9	3739478	2.67E-03	0.00E+00	2.67E-03	2.61E-04
94	419618.5	3739475	2.71E-03	0.00E+00	2.71E-03	2.66E-04
95	419627.2	3739471	2.76E-03	0.00E+00	2.76E-03	2.70E-04
96	419635.8	3739468	2.81E-03	0.00E+00	2.81E-03	2.75E-04
97	419644.5	3739464	2.85E-03	0.00E+00	2.85E-03	2.79E-04
98	419653.1	3739460	2.89E-03	0.00E+00	2.89E-03	2.83E-04
99	419661.8	3739457	2.94E-03	0.00E+00	2.94E-03	2.88E-04
100	419670.4	3739453	2.98E-03	0.00E+00	2.98E-03	2.92E-04
101	419679.1	3739450	3.02E-03	0.00E+00	3.02E-03	2.96E-04
102	419687.7	3739446	3.07E-03	0.00E+00	3.07E-03	3.00E-04
103	419696.4	3739442	3.11E-03	0.00E+00	3.11E-03	3.04E-04
104	419705	3739439	3.15E-03	0.00E+00	3.15E-03	3.08E-04
105	419713.7	3739435	3.18E-03	0.00E+00	3.18E-03	3.12E-04
106	419722.3	3739432	3.22E-03	0.00E+00	3.22E-03	3.15E-04
107	419731	3739428	3.25E-03	0.00E+00	3.25E-03	3.19E-04
108	419739.6	3739424	3.28E-03	0.00E+00	3.28E-03	3.22E-04
109	419748.3	3739421	3.31E-03	0.00E+00	3.31E-03	3.24E-04
110	419757	3739417	3.34E-03	0.00E+00	3.34E-03	3.27E-04
111	419505	3739532	2.17E-03	0.00E+00	2.17E-03	2.12E-04
112	419508.5	3739523	2.18E-03	0.00E+00	2.18E-03	2.13E-04
113	419512	3739515	2.18E-03	0.00E+00	2.18E-03	2.14E-04
114	419515.5	3739506	2.19E-03	0.00E+00	2.19E-03	2.15E-04
115	419519	3739498	2.20E-03	0.00E+00	2.20E-03	2.15E-04
116	419522.6	3739489	2.21E-03	0.00E+00	2.21E-03	2.16E-04
117	419526.1	3739480	2.21E-03	0.00E+00	2.21E-03	2.17E-04
118	419538.1	3739468	2.25E-03	0.00E+00	2.25E-03	2.21E-04
119	419546.7	3739465	2.29E-03	0.00E+00	2.29E-03	2.24E-04
120	419555.2	3739461	2.33E-03	0.00E+00	2.33E-03	2.28E-04
121	419563.8	3739458	2.37E-03	0.00E+00	2.37E-03	2.32E-04
122	419572.3	3739454	2.40E-03	0.00E+00	2.40E-03	2.35E-04
123	419580.9	3739450	2.44E-03	0.00E+00	2.44E-03	2.39E-04
124	419589.5	3739447	2.48E-03	0.00E+00	2.48E-03	2.43E-04
125	419598	3739443	2.52E-03	0.00E+00	2.52E-03	2.47E-04
126	419606.6	3739440	2.56E-03	0.00E+00	2.56E-03	2.51E-04
127	419615.1	3739436	2.60E-03	0.00E+00	2.60E-03	2.55E-04
128	419623.7	3739433	2.64E-03	0.00E+00	2.64E-03	2.59E-04
129	419632.2	3739429	2.68E-03	0.00E+00	2.68E-03	2.63E-04
130	419640.8	3739426	2.72E-03	0.00E+00	2.72E-03	2.66E-04
131	419649.3	3739422	2.76E-03	0.00E+00	2.76E-03	2.70E-04
132	419657.9	3739418	2.79E-03	0.00E+00	2.79E-03	2.73E-04
133	419666.4	3739415	2.83E-03	0.00E+00	2.83E-03	2.77E-04

134	419675	3739411	2.86E-03	0.00E+00	2.86E-03	2.80E-04
135	419683.5	3739408	2.90E-03	0.00E+00	2.90E-03	2.84E-04
136	419692.1	3739404	2.93E-03	0.00E+00	2.93E-03	2.87E-04
137	419700.7	3739401	2.97E-03	0.00E+00	2.97E-03	2.90E-04
138	419709.2	3739397	3.00E-03	0.00E+00	3.00E-03	2.93E-04
139	419717.8	3739394	3.02E-03	0.00E+00	3.02E-03	2.96E-04
140	419726.3	3739390	3.05E-03	0.00E+00	3.05E-03	2.98E-04
141	419734.9	3739386	3.07E-03	0.00E+00	3.07E-03	3.00E-04
142	419509.8	3739440	2.08E-03	0.00E+00	2.08E-03	2.03E-04
143	419518.4	3739436	2.11E-03	0.00E+00	2.11E-03	2.07E-04
144	419527	3739433	2.14E-03	0.00E+00	2.14E-03	2.10E-04
145	419535.6	3739429	2.18E-03	0.00E+00	2.18E-03	2.13E-04
146	419544.2	3739426	2.21E-03	0.00E+00	2.21E-03	2.17E-04
147	419552.8	3739422	2.25E-03	0.00E+00	2.25E-03	2.20E-04
148	419561.4	3739419	2.28E-03	0.00E+00	2.28E-03	2.24E-04
149	419570	3739415	2.32E-03	0.00E+00	2.32E-03	2.27E-04
150	419578.6	3739411	2.36E-03	0.00E+00	2.36E-03	2.31E-04
151	419587.2	3739408	2.39E-03	0.00E+00	2.39E-03	2.34E-04
152	419595.8	3739404	2.43E-03	0.00E+00	2.43E-03	2.38E-04
153	419604.4	3739401	2.47E-03	0.00E+00	2.47E-03	2.41E-04
154	419612.9	3739397	2.50E-03	0.00E+00	2.50E-03	2.45E-04
155	419621.5	3739394	2.53E-03	0.00E+00	2.53E-03	2.48E-04
156	419630.1	3739390	2.57E-03	0.00E+00	2.57E-03	2.51E-04
157	419638.7	3739386	2.60E-03	0.00E+00	2.60E-03	2.55E-04
158	419647.3	3739383	2.63E-03	0.00E+00	2.63E-03	2.58E-04
159	419655.9	3739379	2.66E-03	0.00E+00	2.66E-03	2.61E-04
160	419664.5	3739376	2.69E-03	0.00E+00	2.69E-03	2.63E-04
161	419673.1	3739372	2.72E-03	0.00E+00	2.72E-03	2.66E-04
162	419681.7	3739369	2.75E-03	0.00E+00	2.75E-03	2.69E-04
163	419507.4	3739401	2.01E-03	0.00E+00	2.01E-03	1.97E-04
164	419516	3739397	2.04E-03	0.00E+00	2.04E-03	2.00E-04
165	419524.6	3739394	2.07E-03	0.00E+00	2.07E-03	2.03E-04
166	419533.3	3739390	2.11E-03	0.00E+00	2.11E-03	2.06E-04
167	419541.9	3739387	2.14E-03	0.00E+00	2.14E-03	2.09E-04
168	419550.5	3739383	2.17E-03	0.00E+00	2.17E-03	2.13E-04
169	419559.2	3739379	2.20E-03	0.00E+00	2.20E-03	2.16E-04
170	419567.8	3739376	2.24E-03	0.00E+00	2.24E-03	2.19E-04
171	419576.4	3739372	2.27E-03	0.00E+00	2.27E-03	2.22E-04
172	419585.1	3739369	2.30E-03	0.00E+00	2.30E-03	2.26E-04
173	419593.7	3739365	2.34E-03	0.00E+00	2.34E-03	2.29E-04
174	419602.3	3739362	2.37E-03	0.00E+00	2.37E-03	2.32E-04
175	419611	3739358	2.40E-03	0.00E+00	2.40E-03	2.35E-04
176	419619.6	3739354	2.43E-03	0.00E+00	2.43E-03	2.38E-04
177	419628.2	3739351	2.46E-03	0.00E+00	2.46E-03	2.40E-04
178	419636.9	3739347	2.48E-03	0.00E+00	2.48E-03	2.43E-04
179	419645.5	3739344	2.51E-03	0.00E+00	2.51E-03	2.46E-04
180	419654.1	3739340	2.53E-03	0.00E+00	2.53E-03	2.48E-04

181	419662.8	3739336	2.56E-03	0.00E+00	2.56E-03	2.51E-04
182	419671.4	3739333	2.58E-03	0.00E+00	2.58E-03	2.53E-04
183	419680	3739329	2.60E-03	0.00E+00	2.60E-03	2.55E-04
184	419688.7	3739326	2.62E-03	0.00E+00	2.62E-03	2.57E-04
185	419453.2	3739384	1.78E-03	0.00E+00	1.78E-03	1.75E-04
186	419461.8	3739380	1.81E-03	0.00E+00	1.81E-03	1.77E-04
187	419470.5	3739376	1.84E-03	0.00E+00	1.84E-03	1.80E-04
188	419479.2	3739373	1.86E-03	0.00E+00	1.86E-03	1.82E-04
189	419487.8	3739369	1.89E-03	0.00E+00	1.89E-03	1.85E-04
190	419496.5	3739366	1.92E-03	0.00E+00	1.92E-03	1.88E-04
191	419505.2	3739362	1.95E-03	0.00E+00	1.95E-03	1.91E-04
192	419513.8	3739358	1.98E-03	0.00E+00	1.98E-03	1.94E-04
193	419522.5	3739355	2.01E-03	0.00E+00	2.01E-03	1.97E-04
194	419531.2	3739351	2.04E-03	0.00E+00	2.04E-03	2.00E-04
195	419539.8	3739348	2.07E-03	0.00E+00	2.07E-03	2.03E-04
196	419548.5	3739344	2.10E-03	0.00E+00	2.10E-03	2.06E-04
197	419557.2	3739340	2.13E-03	0.00E+00	2.13E-03	2.09E-04
198	419565.8	3739337	2.16E-03	0.00E+00	2.16E-03	2.11E-04
199	419574.5	3739333	2.19E-03	0.00E+00	2.19E-03	2.14E-04
200	419583.2	3739330	2.22E-03	0.00E+00	2.22E-03	2.17E-04
201	419591.8	3739326	2.24E-03	0.00E+00	2.24E-03	2.20E-04
202	419600.5	3739322	2.27E-03	0.00E+00	2.27E-03	2.22E-04
203	419609.1	3739319	2.30E-03	0.00E+00	2.30E-03	2.25E-04
204	419617.8	3739315	2.32E-03	0.00E+00	2.32E-03	2.27E-04
205	419626.5	3739311	2.34E-03	0.00E+00	2.34E-03	2.29E-04
206	419635.1	3739308	2.37E-03	0.00E+00	2.37E-03	2.32E-04
207	419643.8	3739304	2.39E-03	0.00E+00	2.39E-03	2.34E-04
208	419652.5	3739301	2.41E-03	0.00E+00	2.41E-03	2.36E-04
209	419661.1	3739297	2.43E-03	0.00E+00	2.43E-03	2.38E-04
210	419669.8	3739293	2.44E-03	0.00E+00	2.44E-03	2.39E-04
211	419678.5	3739290	2.46E-03	0.00E+00	2.46E-03	2.41E-04
212	419687.1	3739286	2.47E-03	0.00E+00	2.47E-03	2.42E-04
213	419405.6	3739385	1.63E-03	0.00E+00	1.63E-03	1.60E-04
214	419409.1	3739376	1.64E-03	0.00E+00	1.64E-03	1.60E-04
215	419412.6	3739368	1.64E-03	0.00E+00	1.64E-03	1.60E-04
216	419424.7	3739355	1.66E-03	0.00E+00	1.66E-03	1.63E-04
217	419433.3	3739352	1.68E-03	0.00E+00	1.68E-03	1.65E-04
218	419441.9	3739348	1.71E-03	0.00E+00	1.71E-03	1.67E-04
219	419450.5	3739345	1.73E-03	0.00E+00	1.73E-03	1.70E-04
220	419459	3739341	1.76E-03	0.00E+00	1.76E-03	1.72E-04
221	419467.6	3739338	1.78E-03	0.00E+00	1.78E-03	1.75E-04
222	419476.2	3739334	1.81E-03	0.00E+00	1.81E-03	1.77E-04
223	419484.8	3739330	1.84E-03	0.00E+00	1.84E-03	1.80E-04
224	419493.4	3739327	1.87E-03	0.00E+00	1.87E-03	1.83E-04
225	419502	3739323	1.89E-03	0.00E+00	1.89E-03	1.85E-04
226	419510.5	3739320	1.92E-03	0.00E+00	1.92E-03	1.88E-04
227	419519.1	3739316	1.95E-03	0.00E+00	1.95E-03	1.91E-04

228	419527.7	3739313	1.97E-03	0.00E+00	1.97E-03	1.93E-04
229	419536.3	3739309	2.00E-03	0.00E+00	2.00E-03	1.96E-04
230	419544.9	3739305	2.02E-03	0.00E+00	2.02E-03	1.98E-04
231	419553.5	3739302	2.05E-03	0.00E+00	2.05E-03	2.01E-04
232	419562	3739298	2.07E-03	0.00E+00	2.07E-03	2.03E-04
233	419570.6	3739295	2.10E-03	0.00E+00	2.10E-03	2.05E-04
234	419579.2	3739291	2.12E-03	0.00E+00	2.12E-03	2.08E-04
235	419587.8	3739288	2.14E-03	0.00E+00	2.14E-03	2.10E-04
236	419596.4	3739284	2.16E-03	0.00E+00	2.16E-03	2.12E-04
237	419605	3739280	2.18E-03	0.00E+00	2.18E-03	2.14E-04
238	419613.5	3739277	2.20E-03	0.00E+00	2.20E-03	2.16E-04
239	419622.1	3739273	2.22E-03	0.00E+00	2.22E-03	2.18E-04
240	419630.7	3739270	2.24E-03	0.00E+00	2.24E-03	2.20E-04
241	419639.3	3739266	2.26E-03	0.00E+00	2.26E-03	2.21E-04
242	419647.9	3739263	2.28E-03	0.00E+00	2.28E-03	2.23E-04
243	419656.5	3739259	2.29E-03	0.00E+00	2.29E-03	2.24E-04
244	419665	3739255	2.31E-03	0.00E+00	2.31E-03	2.26E-04
245	419673.6	3739252	2.32E-03	0.00E+00	2.32E-03	2.27E-04
246	419682.2	3739248	2.33E-03	0.00E+00	2.33E-03	2.28E-04
247	419690.8	3739245	2.34E-03	0.00E+00	2.34E-03	2.30E-04
248	419699.4	3739241	2.35E-03	0.00E+00	2.35E-03	2.30E-04
249	419708	3739238	2.36E-03	0.00E+00	2.36E-03	2.31E-04
250	419716.5	3739234	2.37E-03	0.00E+00	2.37E-03	2.32E-04
251	419366.6	3739383	1.51E-03	0.00E+00	1.51E-03	1.48E-04
252	419370.1	3739374	1.52E-03	0.00E+00	1.52E-03	1.49E-04
253	419373.6	3739365	1.52E-03	0.00E+00	1.52E-03	1.49E-04
254	419377.2	3739357	1.52E-03	0.00E+00	1.52E-03	1.49E-04
255	419380.7	3739348	1.53E-03	0.00E+00	1.53E-03	1.50E-04
256	419384.2	3739339	1.53E-03	0.00E+00	1.53E-03	1.50E-04
257	419396.4	3739327	1.55E-03	0.00E+00	1.55E-03	1.52E-04
258	419405	3739324	1.57E-03	0.00E+00	1.57E-03	1.54E-04
259	419413.6	3739320	1.59E-03	0.00E+00	1.59E-03	1.56E-04
260	419422.2	3739316	1.61E-03	0.00E+00	1.61E-03	1.58E-04
261	419430.9	3739313	1.64E-03	0.00E+00	1.64E-03	1.60E-04
262	419439.5	3739309	1.66E-03	0.00E+00	1.66E-03	1.63E-04
263	419448.1	3739306	1.68E-03	0.00E+00	1.68E-03	1.65E-04
264	419456.7	3739302	1.71E-03	0.00E+00	1.71E-03	1.67E-04
265	419465.3	3739299	1.73E-03	0.00E+00	1.73E-03	1.70E-04
266	419473.9	3739295	1.76E-03	0.00E+00	1.76E-03	1.72E-04
267	419482.5	3739291	1.78E-03	0.00E+00	1.78E-03	1.75E-04
268	419491.2	3739288	1.81E-03	0.00E+00	1.81E-03	1.77E-04
269	419499.8	3739284	1.83E-03	0.00E+00	1.83E-03	1.79E-04
270	419508.4	3739281	1.86E-03	0.00E+00	1.86E-03	1.82E-04
271	419517	3739277	1.88E-03	0.00E+00	1.88E-03	1.84E-04
272	419525.6	3739273	1.90E-03	0.00E+00	1.90E-03	1.86E-04
273	419534.2	3739270	1.93E-03	0.00E+00	1.93E-03	1.89E-04
274	419542.9	3739266	1.95E-03	0.00E+00	1.95E-03	1.91E-04

275	419551.5	3739263	1.97E-03	0.00E+00	1.97E-03	1.93E-04
276	419560.1	3739259	1.99E-03	0.00E+00	1.99E-03	1.95E-04
277	419568.7	3739256	2.01E-03	0.00E+00	2.01E-03	1.97E-04
278	419577.3	3739252	2.03E-03	0.00E+00	2.03E-03	1.99E-04
279	419585.9	3739248	2.05E-03	0.00E+00	2.05E-03	2.01E-04
280	419594.6	3739245	2.07E-03	0.00E+00	2.07E-03	2.02E-04
281	419603.2	3739241	2.09E-03	0.00E+00	2.09E-03	2.04E-04
282	419611.8	3739238	2.10E-03	0.00E+00	2.10E-03	2.06E-04
283	419620.4	3739234	2.12E-03	0.00E+00	2.12E-03	2.07E-04
284	419629	3739230	2.13E-03	0.00E+00	2.13E-03	2.09E-04
285	419637.6	3739227	2.15E-03	0.00E+00	2.15E-03	2.10E-04
286	419646.3	3739223	2.16E-03	0.00E+00	2.16E-03	2.12E-04
287	419654.9	3739220	2.18E-03	0.00E+00	2.18E-03	2.13E-04
288	419663.5	3739216	2.19E-03	0.00E+00	2.19E-03	2.14E-04
289	419672.1	3739213	2.20E-03	0.00E+00	2.20E-03	2.15E-04
290	419680.7	3739209	2.21E-03	0.00E+00	2.21E-03	2.16E-04
291	419689.3	3739205	2.21E-03	0.00E+00	2.21E-03	2.17E-04
292	419698	3739202	2.22E-03	0.00E+00	2.22E-03	2.17E-04
293	419706.6	3739198	2.22E-03	0.00E+00	2.22E-03	2.18E-04
294	419715.2	3739195	2.22E-03	0.00E+00	2.22E-03	2.18E-04
295	419327.5	3739381	1.41E-03	0.00E+00	1.41E-03	1.38E-04
296	419331	3739372	1.41E-03	0.00E+00	1.41E-03	1.38E-04
297	419334.6	3739363	1.42E-03	0.00E+00	1.42E-03	1.39E-04
298	419338.1	3739355	1.42E-03	0.00E+00	1.42E-03	1.39E-04
299	419341.7	3739346	1.42E-03	0.00E+00	1.42E-03	1.39E-04
300	419345.2	3739337	1.42E-03	0.00E+00	1.42E-03	1.39E-04
301	419348.8	3739329	1.43E-03	0.00E+00	1.43E-03	1.40E-04
302	419352.3	3739320	1.43E-03	0.00E+00	1.43E-03	1.40E-04
303	419355.9	3739311	1.43E-03	0.00E+00	1.43E-03	1.40E-04
304	419368.1	3739299	1.46E-03	0.00E+00	1.46E-03	1.42E-04
305	419376.7	3739295	1.47E-03	0.00E+00	1.47E-03	1.44E-04
306	419385.3	3739292	1.49E-03	0.00E+00	1.49E-03	1.46E-04
307	419394	3739288	1.51E-03	0.00E+00	1.51E-03	1.48E-04
308	419402.6	3739285	1.53E-03	0.00E+00	1.53E-03	1.50E-04
309	419411.3	3739281	1.55E-03	0.00E+00	1.55E-03	1.52E-04
310	419419.9	3739277	1.57E-03	0.00E+00	1.57E-03	1.54E-04
311	419428.6	3739274	1.59E-03	0.00E+00	1.59E-03	1.56E-04
312	419437.2	3739270	1.62E-03	0.00E+00	1.62E-03	1.58E-04
313	419445.9	3739267	1.64E-03	0.00E+00	1.64E-03	1.60E-04
314	419454.5	3739263	1.66E-03	0.00E+00	1.66E-03	1.62E-04
315	419463.2	3739259	1.68E-03	0.00E+00	1.68E-03	1.65E-04
316	419471.8	3739256	1.70E-03	0.00E+00	1.70E-03	1.67E-04
317	419480.5	3739252	1.72E-03	0.00E+00	1.72E-03	1.69E-04
318	419489.1	3739249	1.75E-03	0.00E+00	1.75E-03	1.71E-04
319	419497.8	3739245	1.77E-03	0.00E+00	1.77E-03	1.73E-04
320	419506.4	3739241	1.79E-03	0.00E+00	1.79E-03	1.75E-04
321	419515.1	3739238	1.81E-03	0.00E+00	1.81E-03	1.77E-04

322	419523.7	3739234	1.83E-03	0.00E+00	1.83E-03	1.79E-04
323	419532.3	3739231	1.85E-03	0.00E+00	1.85E-03	1.81E-04
324	419541	3739227	1.87E-03	0.00E+00	1.87E-03	1.83E-04
325	419549.6	3739223	1.89E-03	0.00E+00	1.89E-03	1.85E-04
326	419558.3	3739220	1.91E-03	0.00E+00	1.91E-03	1.87E-04
327	419566.9	3739216	1.93E-03	0.00E+00	1.93E-03	1.89E-04
328	419575.6	3739213	1.95E-03	0.00E+00	1.95E-03	1.91E-04
329	419584.2	3739209	1.96E-03	0.00E+00	1.96E-03	1.92E-04
330	419592.9	3739205	1.98E-03	0.00E+00	1.98E-03	1.94E-04
331	419601.5	3739202	2.00E-03	0.00E+00	2.00E-03	1.95E-04
332	419610.2	3739198	2.01E-03	0.00E+00	2.01E-03	1.97E-04
333	419618.8	3739195	2.02E-03	0.00E+00	2.02E-03	1.98E-04
334	419627.5	3739191	2.04E-03	0.00E+00	2.04E-03	1.99E-04
335	419636.1	3739187	2.05E-03	0.00E+00	2.05E-03	2.01E-04
336	420849.3	3740059	3.70E-03	0.00E+00	3.70E-03	3.62E-04
337	420849.2	3740050	3.61E-03	0.00E+00	3.61E-03	3.54E-04
338	420849.2	3740041	3.52E-03	0.00E+00	3.52E-03	3.45E-04
339	420849.1	3740032	3.43E-03	0.00E+00	3.43E-03	3.36E-04
340	420849.1	3740023	3.34E-03	0.00E+00	3.34E-03	3.27E-04
341	420849	3740014	3.26E-03	0.00E+00	3.26E-03	3.19E-04
342	420849	3740005	3.18E-03	0.00E+00	3.18E-03	3.11E-04
343	420889.3	3740058	3.32E-03	0.00E+00	3.32E-03	3.25E-04
344	420889.2	3740049	3.24E-03	0.00E+00	3.24E-03	3.18E-04
345	420889.2	3740040	3.17E-03	0.00E+00	3.17E-03	3.10E-04
346	420889.1	3740031	3.08E-03	0.00E+00	3.08E-03	3.02E-04
347	420889.1	3740022	3.00E-03	0.00E+00	3.00E-03	2.94E-04
348	420889	3740013	2.92E-03	0.00E+00	2.92E-03	2.86E-04
349	420889	3740004	2.85E-03	0.00E+00	2.85E-03	2.79E-04
350	420929.3	3740058	3.03E-03	0.00E+00	3.03E-03	2.96E-04
351	420929.2	3740049	2.96E-03	0.00E+00	2.96E-03	2.90E-04
352	420929.1	3740031	2.82E-03	0.00E+00	2.82E-03	2.77E-04
353	420929.1	3740022	2.76E-03	0.00E+00	2.76E-03	2.70E-04
354	420929	3740013	2.70E-03	0.00E+00	2.70E-03	2.64E-04
355	420929	3740004	2.63E-03	0.00E+00	2.63E-03	2.58E-04
356	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

369	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

416	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

463	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

510	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

557	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00

APPENDIX C

DETAILED ENERGY CALCULATIONS

Construction Off-Road Equipment											
Phase	**Off-Road Equipment Type**	**Amount**	**Usage Hour/Day**	**Total Usage Days**	**Total Usage Hours/Equipment**	**Horsepower**	**Load Factor**	**Total Usage Hours/ Equipment**	**Horsepower-Hour**	**Fuel Usage (gallons)**	
Demolition	Concrete/Idustrial Saws	1	8	15	120	33	0.73	120	2890.8	148.00896	
	Excavators	3	8	15	360	36	0.38	360	4924.8	252.14976	
	Rubber Tired Dozers	2	8	15	240	367	0.4	240	35232	1803.8784	
Site Preparation	Rubber Tired Dozers	3	8	15	360	367	0.4	360	52848	2705.8176	
	Tractors/Loaders/Backhoes	4	8	15	480	84	0.37	480	14918.4	763.82208	
Grading	Excavators	2	8	10	160	36	0.38	160	2188.8	112.06656	
	Graders	1	8	10	80	148	0.41	80	4854.4	248.54528	
	Rubber Tired Dozers	1	8	10	80	367	0.4	80	11744	601.2928	
	Tractors/Loaders/Backhoes	2	8	10	160	84	0.37	160	4972.8	254.60736	
Building Construction	Cranes	1	7	230	1610	367	0.29	1610	171352.3	8773.23776	
	Forklifts	3	8	230	5520	82	0.2	5520	90528	4635.0336	
	Generator Sets	1	8	230	1840	14	0.74	1840	19062.4	975.99488	
	Tractors/Loaders/Backhoes	3	7	230	4830	84	0.37	4830	150116.4	7685.95968	
	Welders	1	8	230	1840	46	0.45	1840	38088	1950.1056	
Paving	Cement and Mortart Mixers	2	6	10	120	10	0.56	120	672	34.4064	
	Pavers	2	8	10	160	81	0.42	160	5443.2	278.69184	
	Paving Equipment	2	8	10	160	89	0.36	160	5126.4	262.47168	
	Rollers	2	8	10	160	36	0.38	160	2188.8	112.06656	
	Tractors/Loaders/Backhoes	1	8	10	80	84	0.37	80	2486.4	127.30368	
Architectural Coating	Air Compressors	1	6	115	690	37	0.48	690	12254.4	627.42528	
									Total	**32352.88576**	Diesel

Construction Truck and Construction Worker Vehicle Fuel Efficiency				
		EMFAC 2021 Outputs		
Vehicle Type	Vehicle Class	Fuel Consumption (1,000 gallons/day)	VMT (miles/ day)	Fuel Efficency (miles/gallon)
Construction Truck	MHDT	128.5	1147551.6	8.9
	HHDT	201.5	1203555.2	6.0
	HHDT/MHDT	-	-	7.5
Construction Worker Vehicle	LDA	1445.8	42528216.7	29.4
	LDT1	143.0	3533281	24.7
	LDT2	879.7	20968860.1	23.8
	Worker Mix	-	-	26.8

Notes:

[1] For construction trucks assumes 50 percent HHDT and 50 percent MHDT vehicles, consistent with assumptions in CalEEMod for hauling trucks. For construction worker vehicles assumes 50 percent LDA, 25 percent LDT1, and 25 percent LDT2 vehicles, consistent with assumptions in CalEEMod for worker vehicles.

[2] EMFAC2021 was run for Orange County for the construction year 2023. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Vehicle Fuel Use - Diesel Vehicles						
Phase	Trip Type	Total Trips	Trip Length (miles)	Total VMT	Diesel Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Demolition	Hauling	1104	20	22080	6	3680.0
Grading	Hauling	2300	20	46000	6.0	7666.7
Building Construction	Vendor	10074	10.2	102754.8	7.5	13700.6
					Total	**25047.3**

Diesel

[1] Assumes 100 percent HHDT vehicles for haul trucks and 50 percent HHDT/50 percent MHDT vehicles for MHDT, consistent with assumptions in CalEEMod.

[2] EMFAC2021 was run for Orange County for the construction year 2023. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Worker Vehicle Fuel Use - Gasoline Vehicles							
Phase	Total One-Way Trips/Day	Total Days	Total Trips	Trip Length (miles)	Total VMT	Gasoline Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Demolition	15	15	450	18.5	8325	26.8	310.6
Site Preparation	17.5	15	525	18.5	9712.5	26.8	362.4
Grading	15	10	300	18.5	5550	26.8	207.1
Building Construction	56	230	25760	18.5	476560	26.8	17782.1
Paving	20	10	400	18.5	7400	26.8	276.1
Architectural Coating	11.2	115	2576	18.5	47656	26.8	1778.2
						Total	**20716.5**

Gas

Total Construction Gasoline Usage	20716.5
Total Construction Diesel Usage	57400.2

Proposed Project Operational Trips			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.5023	193	96.9
LDT1	0.0422	193	8.1
LDT2	0.229	193	44.2
MDV	0.144	193	27.8
LHD1	0.0271	193	5.2
LHD2	0.00686	193	1.3
MHD	0.0151	193	2.9
HHD	0.00536	193	1.0
OBUS	0.00061	193	0.1
UBUS	0.00036	193	0.1
MCY	0.02161	193	4.2
SBUS	0.000966	193	0.2
MH	0.00387	193	0.7

Proposed Project Operational Trips – Fuel Efficiency						
Fuel	Vehicle Class	EMFAC2021 Outputs1				
		Fleet Mix (%)2	Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)	
Gas	LDA	52%	1,408.4	42,285,386.1	30.0	15.5
	LDT1	4%	139.0	3,495,530.4	25.2	1.1
	LDT2	26%	872.9	21,321,177.5	24.4	6.4
	MDV	15%	635.4	12,620,485.4	19.9	3.1
	LHD1	2%	118.3	1,661,882.0	14.0	0.3
	MCY	0%	7.6	321,576.6	42.2	0.2
	MH	0%	12.0	58,495.6	4.9	0.0
	Fleet Mix	–	–	–	26.5	26.5
Diesel	LHD2	14%	22.4	391,527.7	17.5	2.5
	MHDT	42%	129.3	1,155,908.7	8.9	3.7
	HHDT	44%	202.7	1,220,548.3	6.0	2.7
	Fleet Mix	–	–	–	8.9	8.9

Notes:

[1] EMFAC2021 was run for Orange County for the operational year 2024. Data was aggregated over all vehicle model years and speed bins.

[2] Fleet mix is based on assumptions made in CalEEMod for the proposed project.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Proposed Project Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Unrefrigerated Warehouse- Rail	641,221.00	Gas	97%	622886	26.5	23511.9
		Diesel	3%	17518	8.9	1977.7
					Total Gasoline/year	**23511.9**
					Total Diesel/year	**1977.7**

Notes:

[1] Calculated for operational year 2024 only. Future years will likely use less fuel due to more efficient cars.

[2] Total VMT is based on project's trip generation and trip lengths.

[3] Fleet distribution is based on EMFAC2021 output and CalEEMod assumptions.

[4] Fuel efficiency is based on fuel consumption and VMT data from EMFAC2021 for Orange County and total VMT.

Electricity Usage	
Electricity by Land Use	**kWh/year**
Unrefrigerated Warehouse- Rail	624257
Parking Lot	2290
Total	**626,547**

Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
unrefrigerated warehouse	-	-	-
Parking Lot	0	0	0
Total	**-**	**-**	**-**