
APPENDIX B

HRA MODEL SNAPSHOTS AND OUTPUTS

General AERMOD Input Parameters		
Project Boundary		
Based on site plan		
Project Elevation Data		
Source	Lakes Environmental	
Link	http://www.webgis.com/terraindata.html	
Evel Data Descr.	7.5 min DEM	
Project Receptor Grid		
Telescoping Grid	Spacing (m)	Distance (m)
Grid 1	10	310
Grid 2	30	300
Grid 3		
Grid 4		
Comments	Receptors on roads or parking lot areas have been removed.	
Meteorological Dataset		
Location	Redlands	
Provided By	South Coast AQMD	
Elevation (m)	481	
Link	https://www.aqmd.gov/docs/default-source/air-quality/meteorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/RedlandsADJU.zip?sfvrsn=13	
Construction Modeling Specific Inputs		
AERMOD Input Options		
Regulatory Options	Default	
Pollutant Type	Other	
Averaging Period	Period & Hourly	
Dispersion Coefficient	Urban	
County	San Bernardino	
Urban Grouping / Pop	Y	2,035,210
# of Worker Receptors	7781	
# of Sensitive Receptors	7781	
# of School Receptors	16	

Construction Area Parameters	
Source Type	Polygon Area
Project Area (m2)	38099.5
Ht. of Source (m)	2.438
Operational Modeling Specific Inputs	
AERMOD Input Options	
Regulatory Options	Default
Pollutant Type	Other
Averaging Period	Period / Hourly
Dispersion Coefficient	Urban
Urban Grouping / Pop	Y 2,035,210
# Worker Receptors	7781
# Sensitive Receptors	7781
# of School Receptors	16
Diesel Truck Idling Parameters	
Source Type	Point
Stack Ht. (m)	3.8
Stack Dia (m)	0.1
Stack Temp (k)	366
Velocity (m/s)	25
# of Units	14
Diesel Truck Travel Parameters	
Source Type	Line Volume
Initial Vertical (m)	1.42
Initial Lateral (m)	2.84
Release Ht (m)	Surface
Volume Length (m)	Roadway Segment Specific
# of Units	12
Comments	Other vehicle (cars) emissions combined with trucks traveling
TRU Parameters	
Source Type	Point
Stack Ht. (m)	3.6576
Stack Dia (m)	0.044

Stack Temp (k)	338.71
Velocity (m/s)	49
# of Units	14
General HARP Input Parameters	
Construction	
Day Care Receptors	
Day Care Scenario Parameters	
Class Grade	K-?
Starting Age	3 rd Trimester
Age Range	3 rd Trimester - 9
Receptor Type	Individual Resident
Assessment Type	Cancer / Chronic / Acute
Exposure Duration	1
Intake Rate	RMP using the Derived Method
Comments	Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.
Day Care Pathway Parameters	
Pathways	SCAQMD Mandatory minimum Pathways
Deposition Rate	0.02
TAH < 16 yrs	N
TAH ≥ 16 yrs	N
Sensitive Receptors	
Sensitive Scenario Parameters	
Starting Age	3 rd Trimester
Age Range	3 rd Trimester - 2 Year
Receptor Type	Individual Resident
Assessment Type	Cancer / Chronic / Acute
Exposure Duration	1
Intake Rate	RMP using the Derived Method

	Comments	Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.
Sensitive Pathway Parameters		
	Pathways	SCAQMD Mandatory minimum Pathways
	Deposition Rate	0.02
	TAH < 16 yrs	Y
	TAH ≥ 16 yrs	Y
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	16
	Age Range	16 - 17
	Receptor Type	Worker
	Assessment Type	Cancer / Chronic / Acute
	Exposure Duration	1
	Intake Rate	RMP using the Derived Method
	Comments	Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.
Worker Pathway Parameters		
	Pathways	OEHHA minimum Pathways
	Deposition Rate	0.02
	TAH < 16 yrs	N
	TAH ≥ 16 yrs	N
Operational		
Day Care Receptors		
Day Care Scenario Parameters		
	Class Grade	K-?
	Starting Age	1
	Age Range	3rd Trimester - 9
	Receptor Type	Individual Resident

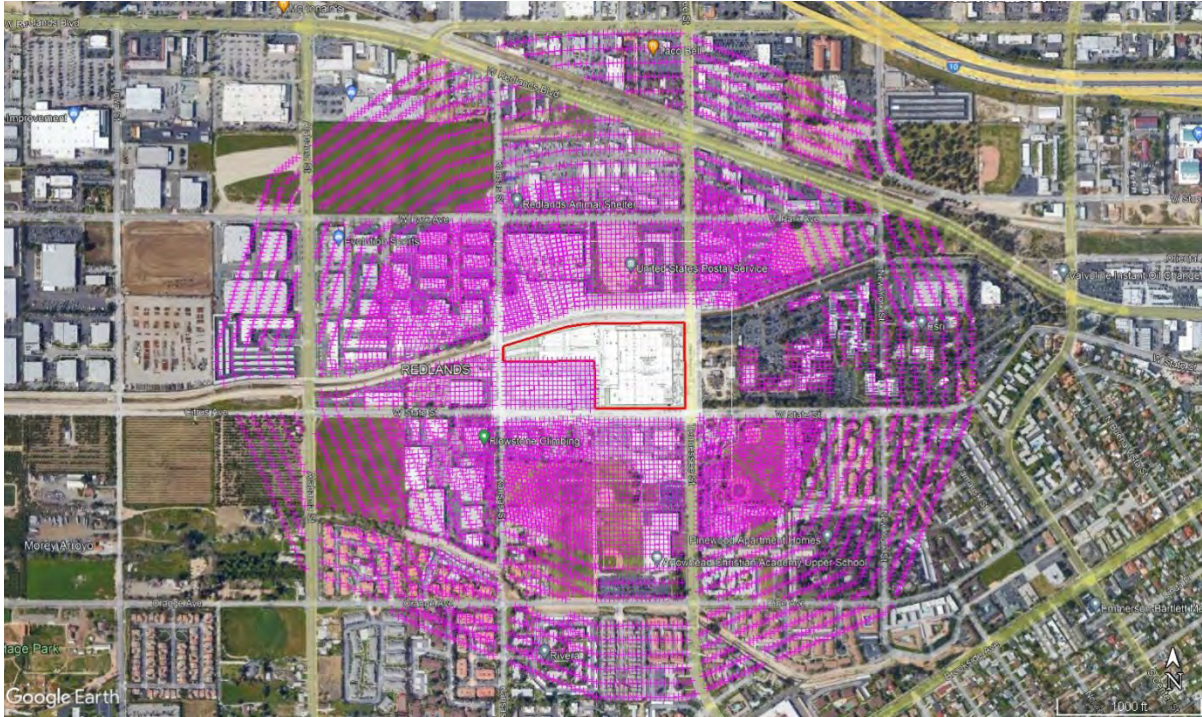
Assessment Type	Cancer / Chronic / Acute
Exposure Duration	9.25
Intake Rate	RMP using the Derived Method
Comments	
Day Care Pathway Parameters	
Pathways	SCAQMD Mandatory minimum Pathways
Deposition Rate	0.02
TAH < 16 yrs	N
TAH ≥ 16 yrs	N
Sensitive Receptors	
Sensitive Scenario Parameters	
Starting Age	3rd Trimester
Age Range	3rd Trimester - 30/70
Receptor Type	Individual Resident
Assessment Type	Cancer / Chronic / Acute
Exposure Duration	30.25 / 70.25
Intake Rate	RMP using the Derived Method
Comments	
Sensitive Pathway Parameters	
Pathways	SCAQMD Mandatory minimum Pathways
Deposition Rate	0.02
TAH < 16 yrs	Y
TAH ≥ 16 yrs	Y
Worker Receptors	
Worker Scenario Parameters	
Starting Age	16
Age Range	16 - 41
Receptor Type	Worker
Assessment Type	Cancer / Chronic / Acute
Exposure Duration	25
Intake Rate	RMP using the Derived Method
Comments	
Worker Pathway Parameters	
Pathways	OEHHA minimum Pathways

	Deposition Rate	0.02
	TAH < 16 yrs	N
	TAH ≥ 16 yrs	N

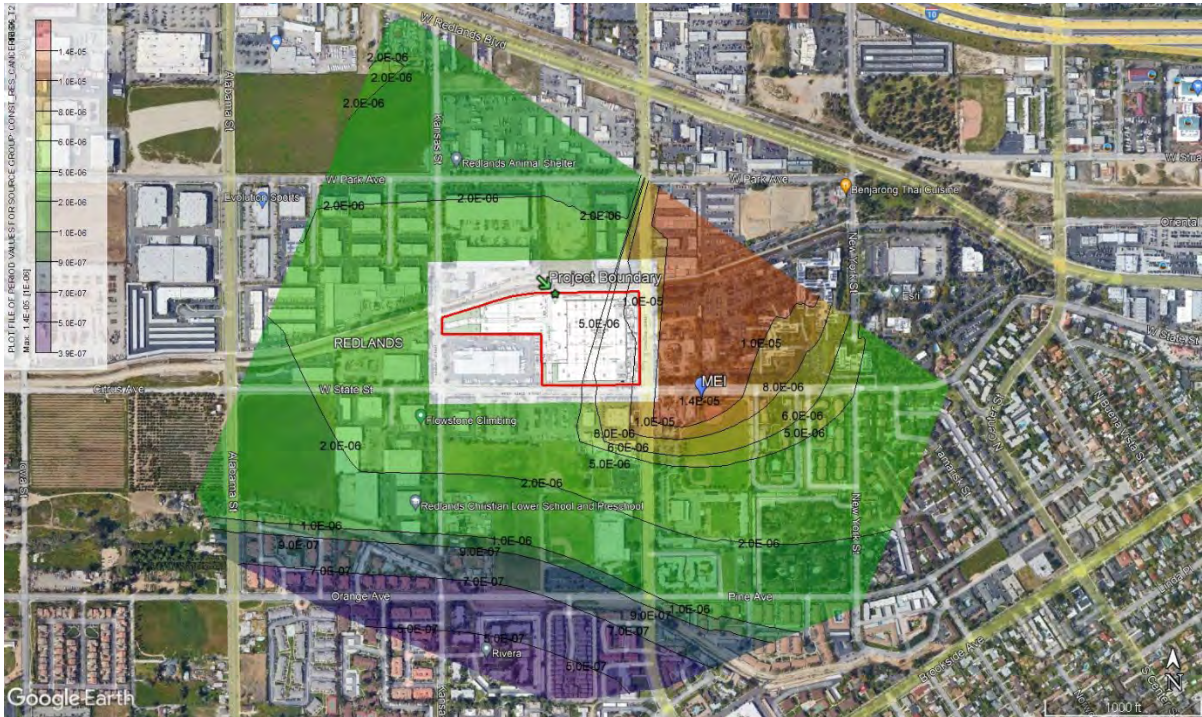
Site Plan



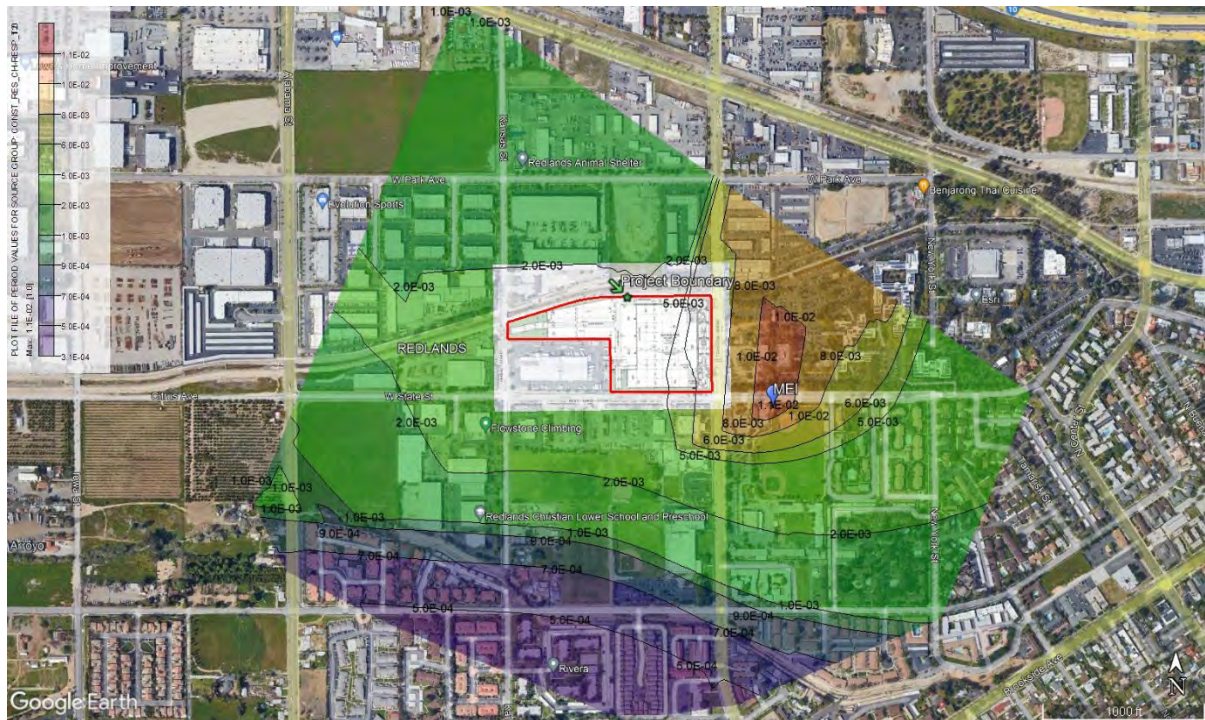
Receptor Grid



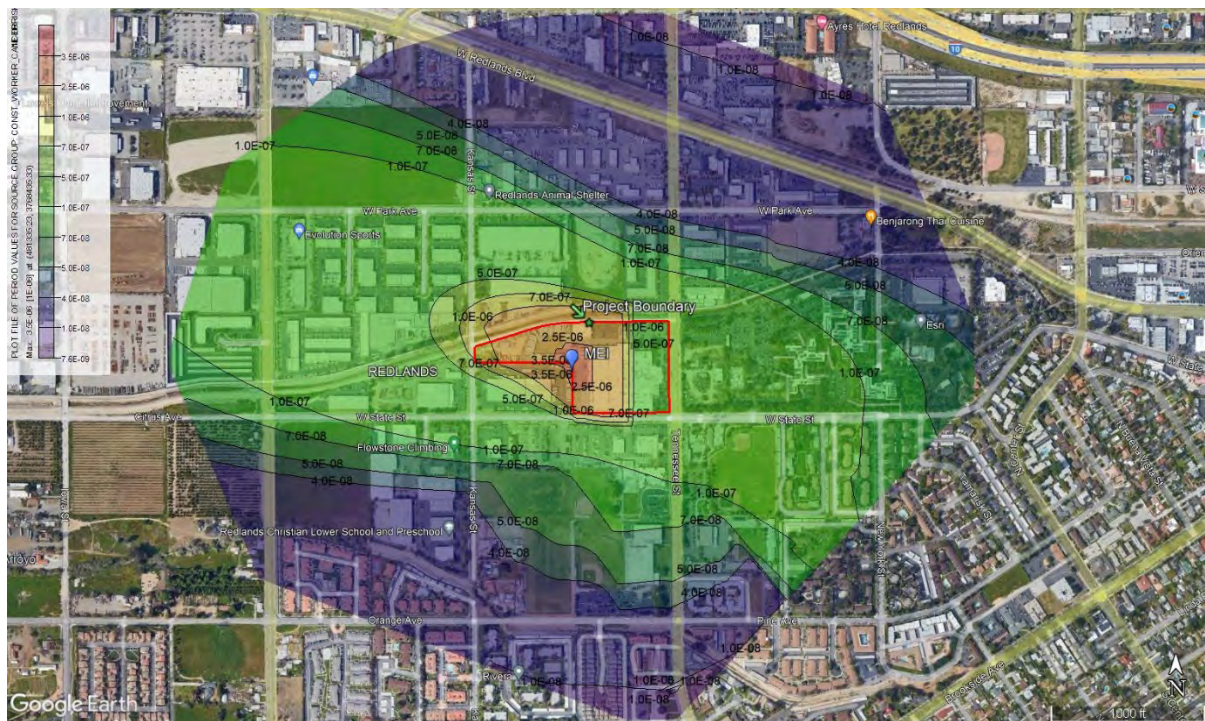
Unmitigated Construction Cancer Risk – Sensitive/Day Care Receptors



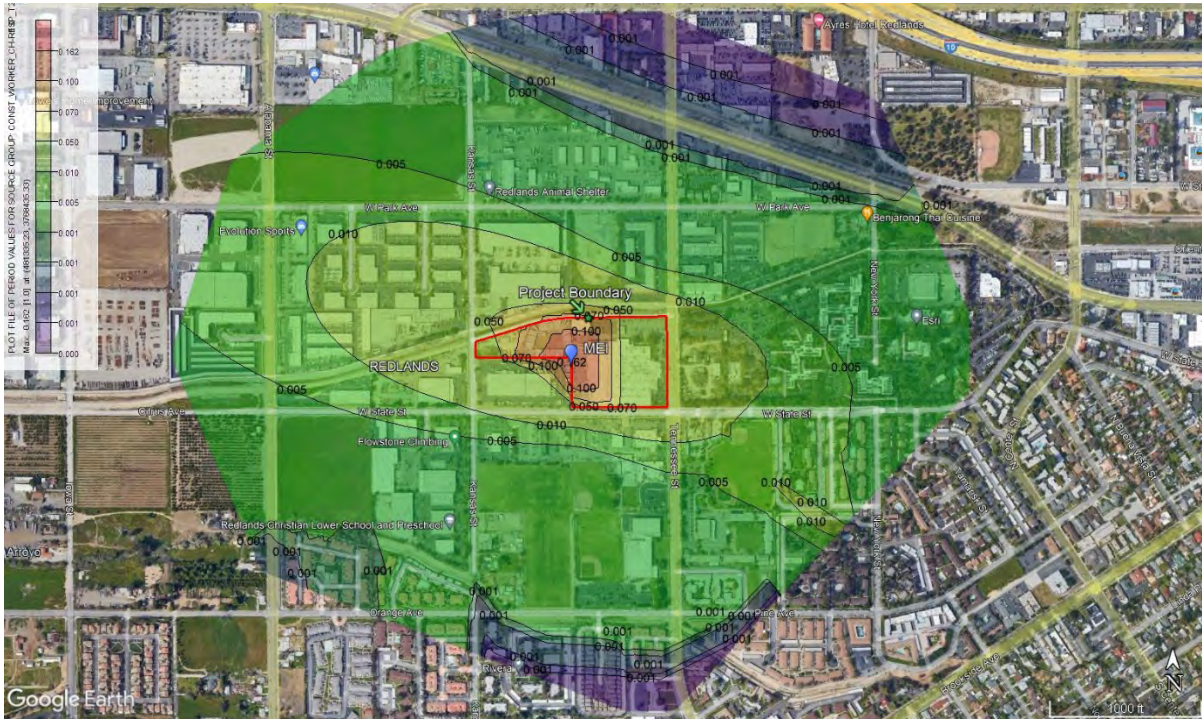
Unmitigated Construction Chronic Hazard Index – Sensitive/Day Care Receptors



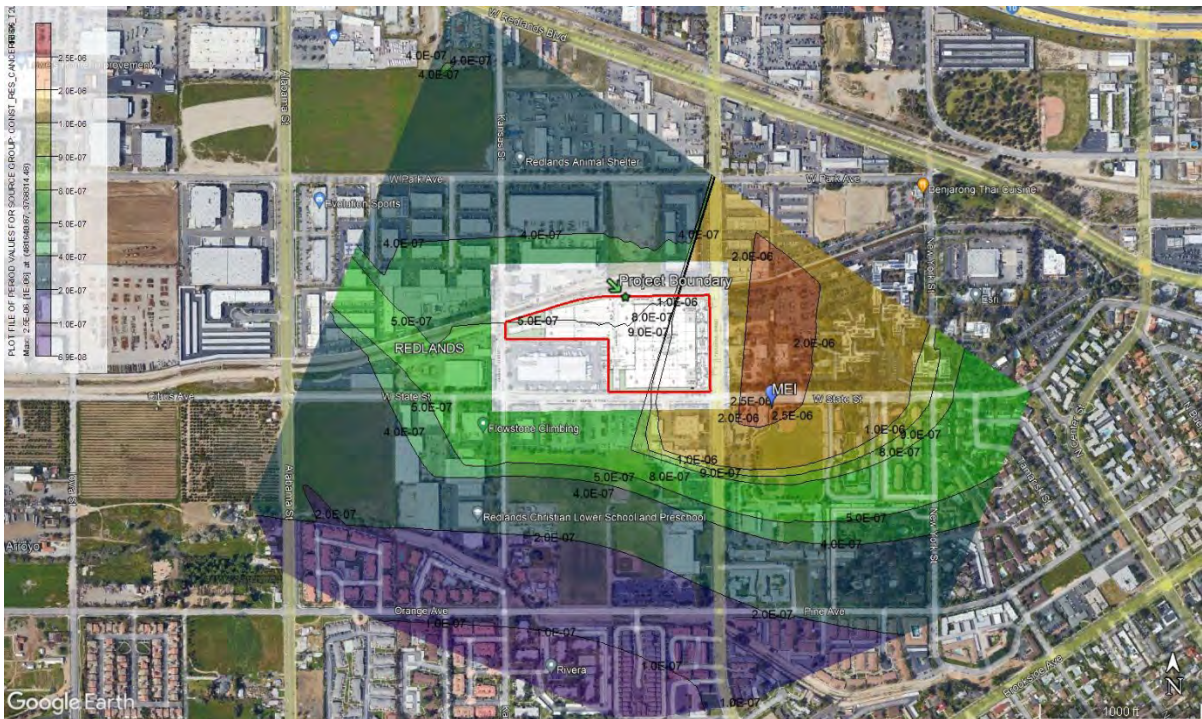
Unmitigated Construction Cancer Risk – Worker Receptors



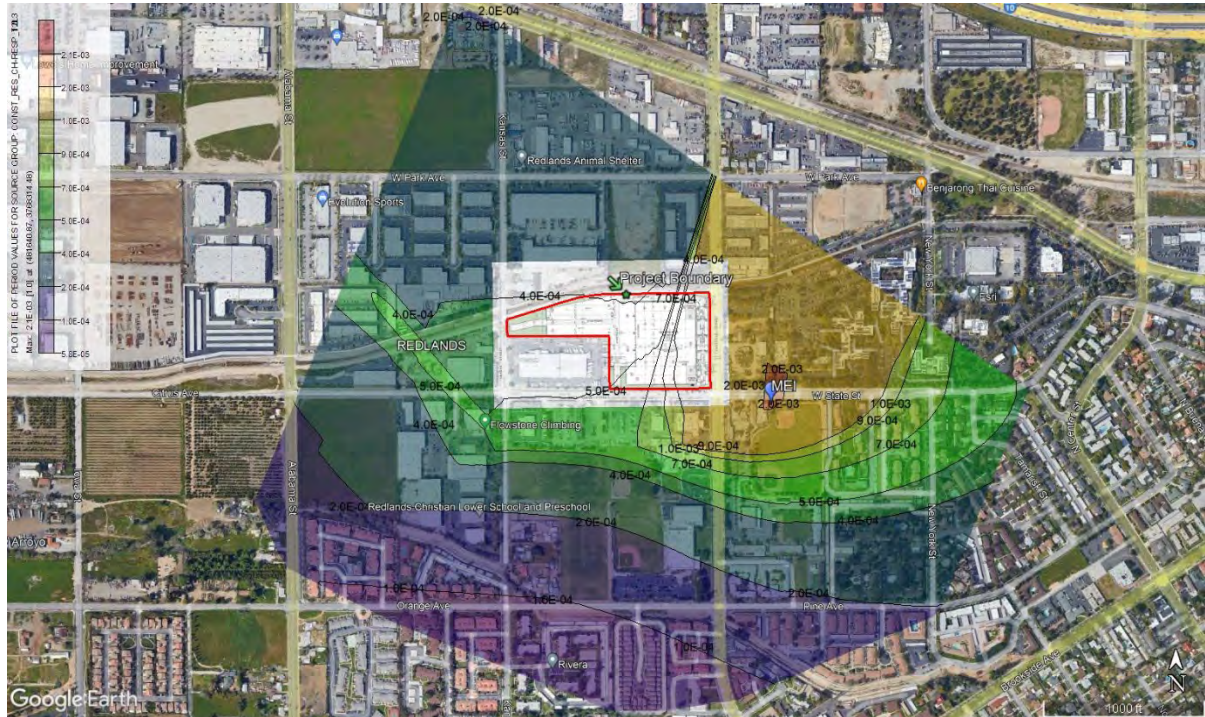
Unmitigated Construction Chronic Hazard Index – Worker Receptors



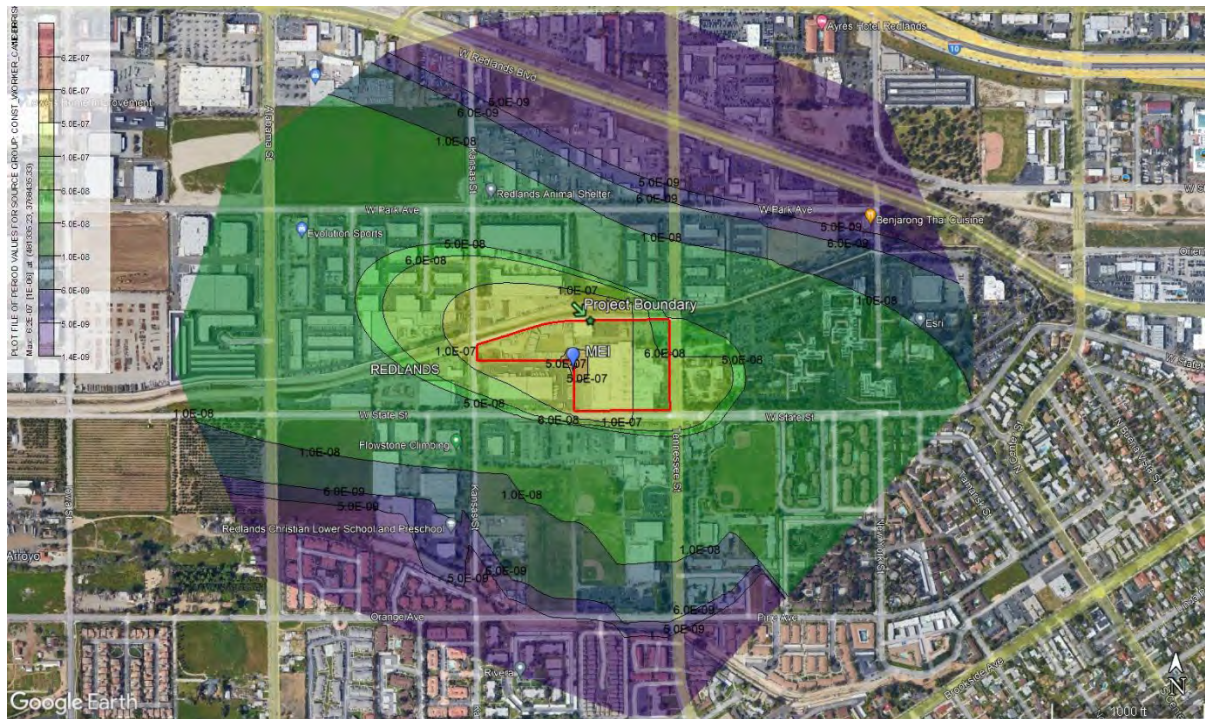
Mitigated Construction Cancer Risk – Sensitive/Day Care Receptors



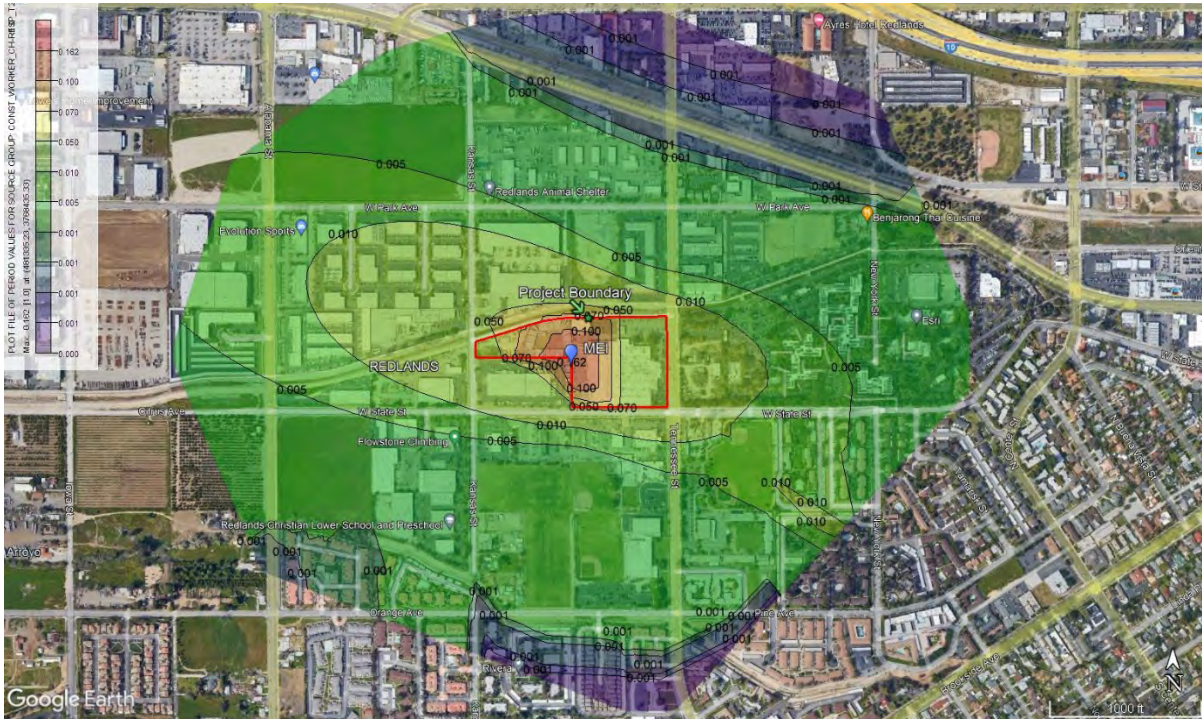
Mitigated Construction Chronic Hazard Index – Sensitive/Day Care Receptors



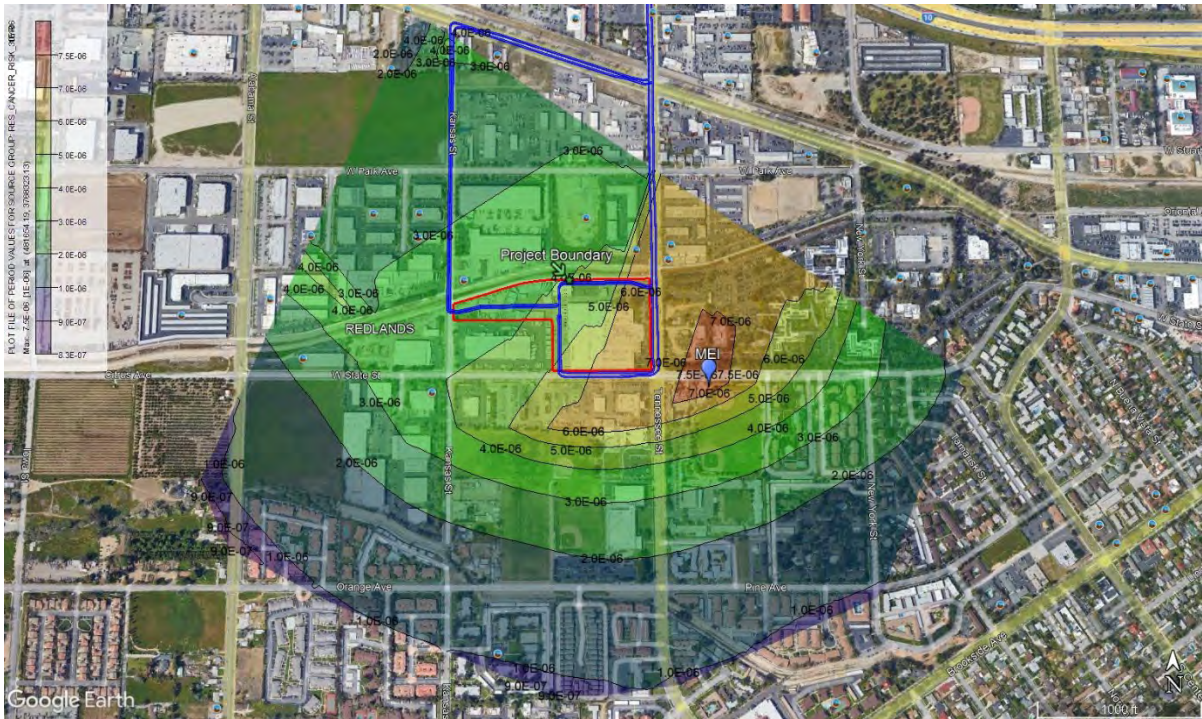
Mitigated Construction Cancer Risk – Worker Receptors



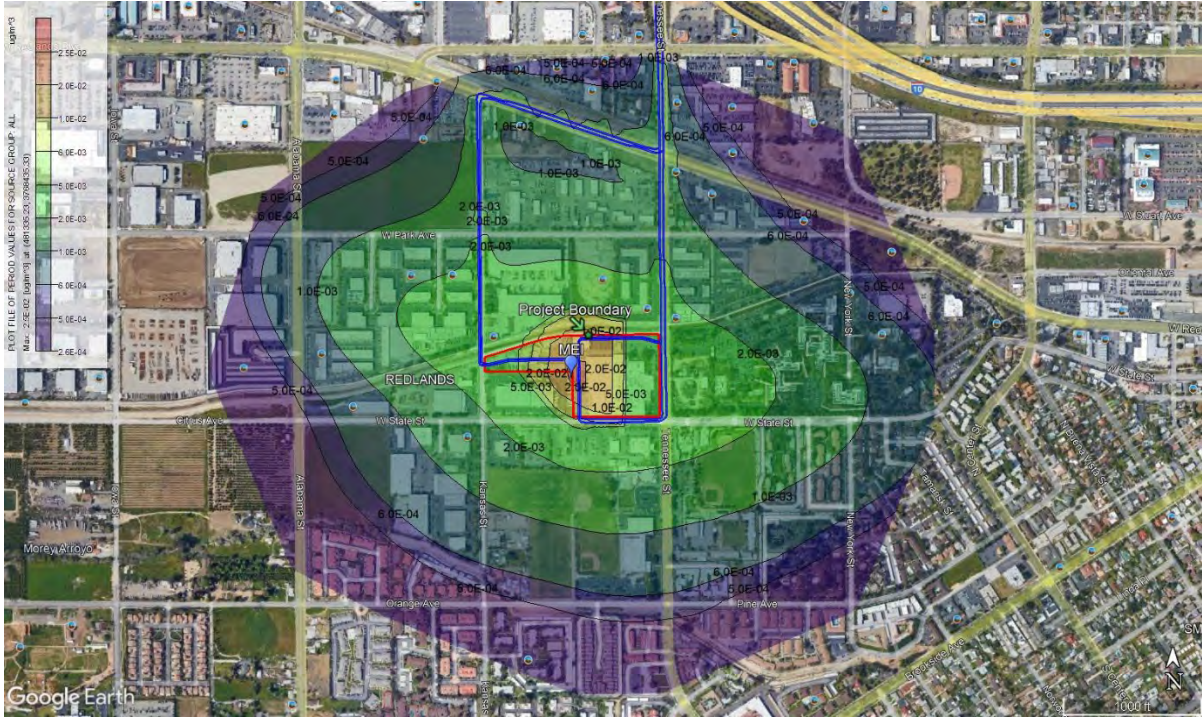
Mitigated Construction Chronic Hazard Index – Worker Receptors



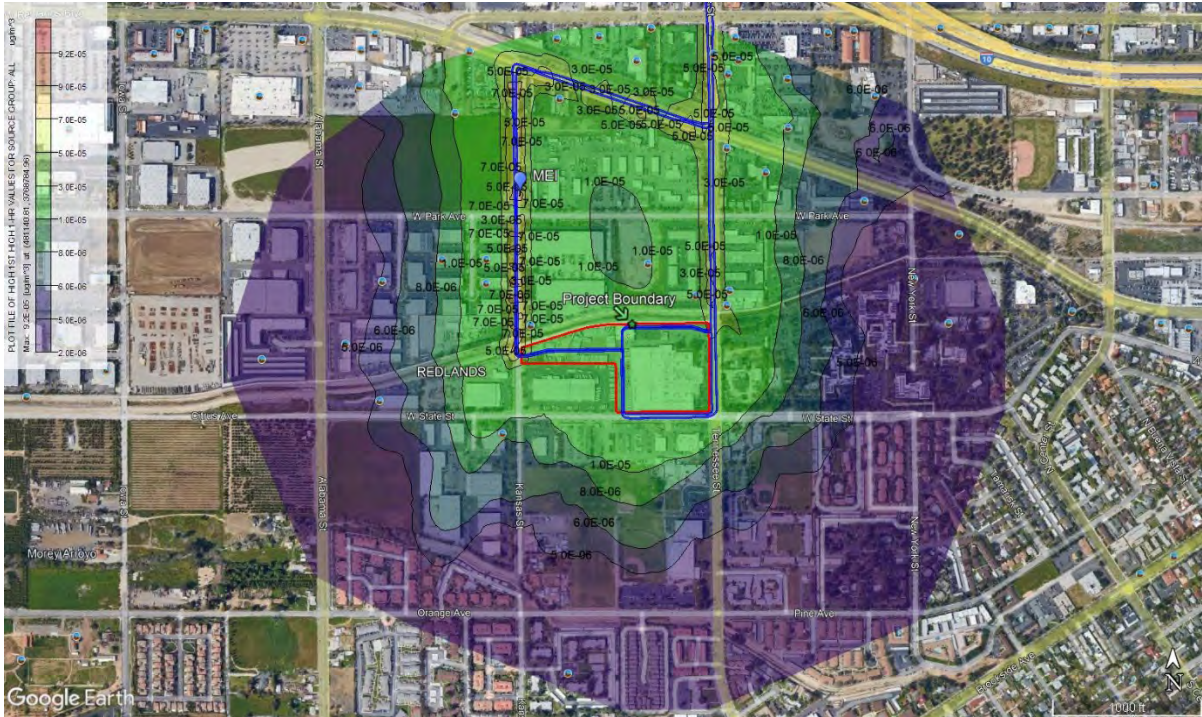
Operational Cancer Risk



Operational Chronic Hazard Index



Operational Acute Hazard Index



Construction	Worker Receptor	Sensitive Receptor	Day Care
Cancer Risk (in a Million)	2.92	12.36	13.56
Chronic HI	1.64E-01	1.15E-02	1.49E-02
Acute HI	0.0	0.0	
PM 2.5	0.820	0.058	0.075

Construction (T2)	Worker Receptor	Sensitive Receptor	Day Care
Cancer Risk (in a Million)	3.31	13.92	14.03
Chronic HI	1.62E-01	1.14E-02	1.48E-02
Acute HI	0.0	0.0	
PM 2.5	0.812	0.057	0.074

Construction (T2L3)	Worker Receptor	Sensitive Receptor	Day Care
Cancer Risk (in a Million)	0.59	2.49	2.55
Chronic HI	2.98E-02	2.10E-03	2.71E-03
Acute HI	0.0	0.0	
PM 2.5	0.149	0.011	0.014

Construction (T4)	Worker Receptor	Sensitive Receptor	Day Care
Cancer Risk (in a Million)	0.40	1.66	1.52
Chronic HI	1.66E-02	1.17E-03	1.51E-03
Acute HI	0.0	0.0	
PM 2.5	0.083	0.006	0.008

Operational	Worker Receptor	Sensitive Receptor	Day Care
30Yr Cancer Risk (in a Million)	---	7.49	---
70Yr Cancer Risk (in a Million)	---	8.74	---
9Yr Cancer Risk (in a Million)	---	---	8.05
25Yr Cancer Risk (in a Million)	7.69	---	---
Chronic HI	2.00E-02	3.63E-03	2.98E-03
Acute HI	9.17E-05	1.30E-05	8.16E-06
PM 2.5	0.1242	0.0181	0.0149

PM 10				
Tons/Yr	UM	T2	T2L3	T4
Year 1	0.0765	0.0757	0.0139	7.76E-03
Year 2	0.0345	0.0502	8.55E-03	7.38E-03
Year 3	0	0	0	0

PM 2.5				
Tons/Yr	UM	T2	T2L3	T4
Year 1	0.0712	0.0756	0.0138	7.59E-03
Year 2	0.0325	0.0501	8.48E-03	7.23E-03
Year 3	0	0	0	0

PM 10				
Lbs /Yr	UM	T2	T2L3	T4
Year 1	153	151.4	27.8	15.52
Year 2	69	100.4	17.1	14.76
Year 3	0	0	0	0

PM 2.5				
Lbs /Yr	UM	T2	T2L3	T4
Year 1	142.4	151.2	27.6	15.18
Year 2	65	100.2	16.96	14.46
Year 3	0	0	0	0

PM 10				
% Chng	UM	M	T2L3	T4
Year 1	100%	99%	18%	10%
Year 2	100%	146%	25%	21%
Year 3	0%	0%	0%	0%

PM 2.5				
g/sec	UM	T2	T2L3	T4
Year 1	0.002048	0.002175	0.000397	0.000218
Year 2	0.000935	0.001441	0.000244	0.000208
Year 3	0	0	0	0

		UnMitigated				1.24E-05				T2				T2L3				2.49E-06				T4				1.66E-06			
	X	Y	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total			
1	481320.03	3768234.52	2.3737E-06	9.8863E-07	0.00E+00	3.36E-06	2.35E-06	1.44E-06	0.00E+00	3.79E-06	4.31E-07	2.45E-07	0.00E+00	6.76E-07	2.41E-07	2.11E-07	0.00E+00	4.52E-07	2.41E-07	2.11E-07	0.00E+00	4.52E-07	2.41E-07	2.11E-07	0.00E+00	4.52E-07			
2	481291.59	3768236.3	2.3406E-06	9.7487E-07	0.00E+00	3.32E-06	2.32E-06	1.42E-06	0.00E+00	3.73E-06	4.25E-07	2.42E-07	0.00E+00	6.67E-07	2.37E-07	2.09E-07	0.00E+00	4.46E-07	2.37E-07	2.09E-07	0.00E+00	4.46E-07	2.37E-07	2.09E-07	0.00E+00	4.46E-07			
3	481300.62	3768232.62	2.2669E-06	9.4416E-07	0.00E+00	3.21E-06	2.24E-06	1.37E-06	0.00E+00	3.62E-06	4.12E-07	2.34E-07	0.00E+00	6.46E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07			
4	481309.65	3768228.93	2.2036E-06	9.1778E-07	0.00E+00	3.12E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.00E-07	2.27E-07	0.00E+00	6.28E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07			
5	481318.69	3768225.25	2.1484E-06	8.9478E-07	0.00E+00	3.04E-06	2.13E-06	1.30E-06	0.00E+00	3.43E-06	3.90E-07	2.22E-07	0.00E+00	6.12E-07	2.18E-07	1.91E-07	0.00E+00	4.09E-07	2.18E-07	1.91E-07	0.00E+00	4.09E-07	2.18E-07	1.91E-07	0.00E+00	4.09E-07			
6	481327.72	3768221.57	2.1005E-06	8.7486E-07	0.00E+00	2.98E-06	2.08E-06	1.27E-06	0.00E+00	3.35E-06	3.82E-07	2.17E-07	0.00E+00	5.98E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07			
7	481266.05	3768236.89	0.00002311	9.6251E-07	0.00E+00	3.27E-06	2.29E-06	1.40E-06	0.00E+00	3.69E-06	4.20E-07	2.39E-07	0.00E+00	6.58E-07	2.34E-07	2.06E-07	0.00E+00	4.40E-07	2.34E-07	2.06E-07	0.00E+00	4.40E-07	2.34E-07	2.06E-07	0.00E+00	4.40E-07			
8	481274.89	3768233.28	2.2331E-06	9.3006E-07	0.00E+00	3.16E-06	2.21E-06	1.35E-06	0.00E+00	3.56E-06	4.06E-07	2.30E-07	0.00E+00	6.36E-07	2.27E-07	1.99E-07	0.00E+00	4.25E-07	2.27E-07	1.99E-07	0.00E+00	4.25E-07	2.27E-07	1.99E-07	0.00E+00	4.25E-07			
9	481283.73	3768229.68	2.1621E-06	9.0051E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.93E-07	2.23E-07	0.00E+00	6.16E-07	2.19E-07	1.93E-07	0.00E+00	4.12E-07	2.19E-07	1.93E-07	0.00E+00	4.12E-07	2.19E-07	1.93E-07	0.00E+00	4.12E-07			
10	481292.58	3768226.07	2.0981E-06	8.7384E-07	0.00E+00	2.97E-06	2.08E-06	1.27E-06	0.00E+00	3.35E-06	3.81E-07	2.17E-07	0.00E+00	5.98E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07	2.13E-07	1.87E-07	0.00E+00	4.00E-07			
11	481301.42	3768222.47	2.0414E-06	8.5022E-07	0.00E+00	2.89E-06	2.02E-06	1.24E-06	0.00E+00	3.26E-06	3.71E-07	2.11E-07	0.00E+00	5.82E-07	2.07E-07	1.82E-07	0.00E+00	3.89E-07	2.07E-07	1.82E-07	0.00E+00	3.89E-07	2.07E-07	1.82E-07	0.00E+00	3.89E-07			
12	481310.26	3768218.86	1.9921E-06	8.2968E-07	0.00E+00	2.82E-06	1.97E-06	1.21E-06	0.00E+00	3.18E-06	3.62E-07	2.06E-07	0.00E+00	5.68E-07	2.02E-07	1.77E-07	0.00E+00	3.80E-07	2.02E-07	1.77E-07	0.00E+00	3.80E-07	2.02E-07	1.77E-07	0.00E+00	3.80E-07			
13	481319.11	3768215.26	1.9489E-06	8.1171E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07			
14	481327.95	3768211.65	1.9111E-06	7.9598E-07	0.00E+00	2.71E-06	1.89E-06	1.16E-06	0.00E+00	3.05E-06	3.47E-07	1.97E-07	0.00E+00	5.45E-07	1.94E-07	1.70E-07	0.00E+00	3.64E-07	1.94E-07	1.70E-07	0.00E+00	3.64E-07	1.94E-07	1.70E-07	0.00E+00	3.64E-07			
15	481241.29	3768237.16	2.2832E-06	9.5093E-07	0.00E+00	3.23E-06	2.26E-06	1.38E-06	0.00E+00	3.64E-06	4.15E-07	2.36E-07	0.00E+00	6.51E-07	2.32E-07	2.03E-07	0.00E+00	4.35E-07	2.32E-07	2.03E-07	0.00E+00	4.35E-07	2.32E-07	2.03E-07	0.00E+00	4.35E-07			
16	481249.98	3768233.62	2.2048E-06	9.1829E-07	0.00E+00	3.12E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.01E-07	2.28E-07	0.00E+00	6.28E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07			
17	481258.67	3768230.07	2.1323E-06	8.8809E-07	0.00E+00	3.02E-06	2.11E-06	1.29E-06	0.00E+00	3.40E-06	3.87E-07	2.20E-07	0.00E+00	6.08E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07			
18	481267.35	3768226.53	2.0659E-06	8.6044E-07	0.00E+00	2.93E-06	2.04E-06	1.25E-06	0.00E+00	3.30E-06	3.75E-07	2.13E-07	0.00E+00	5.89E-07	2.10E-07	1.84E-07	0.00E+00	3.94E-07	2.10E-07	1.84E-07	0.00E+00	3.94E-07	2.10E-07	1.84E-07	0.00E+00	3.94E-07			
19	481276.04	3768222.99	2.0045E-06	8.3486E-07	0.00E+00	2.84E-06	1.98E-06	1.21E-06	0.00E+00	3.20E-06	3.64E-07	2.07E-07	0.00E+00	5.71E-07	2.03E-07	1.79E-07	0.00E+00	3.82E-07	2.03E-07	1.79E-07	0.00E+00	3.82E-07	2.03E-07	1.79E-07	0.00E+00	3.82E-07			
20	481284.72	3768219.45	1.9485E-06	8.1153E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07			
21	481293.41	3768215.91	0.000001898	7.9051E-07	0.00E+00	2.69E-06	1.88E-06	1.15E-06	0.00E+00	3.03E-06	3.45E-07	1.96E-07	0.00E+00	5.41E-07	1.93E-07	1.69E-07	0.00E+00	3.62E-07	1.93E-07	1.69E-07	0.00E+00	3.62E-07	1.93E-07	1.69E-07	0.00E+00	3.62E-07			
22	481302.09	3768212.37	1.8531E-06	7.7182E-07	0.00E+00	2.62E-06	1.83E-06	1.12E-06	0.00E+00	2.96E-06	3.37E-07	1.91E-07	0.00E+00	5.28E-07	1.88E-07	1.65E-07	0.00E+00	3.53E-07	1.88E-07	1.65E-07	0.00E+00	3.53E-07	1.88E-07	1.65E-07	0.00E+00	3.53E-07			
23	481310.78	3768208.83	1.8141E-06	7.5557E-07	0.00E+00	2.57E-06	1.80E-06	1.10E-06	0.00E+00	2.89E-06	3.30E-07	1.87E-07	0.00E+00	5.17E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07			
24	481319.46	3768205.29	1.7796E-06	7.4121E-07	0.00E+00	2.52E-06	1.76E-06	1.08E-06	0.00E+00	2.84E-06	3.23E-07	1.84E-07	0.00E+00	5.07E-07	1.81E-07	1.59E-07	0.00E+00	3.39E-07	1.81E-07	1.59E-07	0.00E+00	3.39E-07	1.81E-07	1.59E-07	0.00E+00	3.39E-07			
25	481328.15	3768201.75	1.7495E-06	7.2864E-07	0.00E+00	2.48E-06	1.73E-06	1.06E-06	0.00E+00	2.79E-06	3.18E-07	1.81E-07	0.00E+00	4.98E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07			
26	481234.25	3768230.2	2.1064E-06	8.7732E-07	0.00E+00	2.98E-06	2.08E-06	1.28E-06	0.00E+00	3.36E-06	3.83E-07	2.17E-07	0.00E+00	6.00E-07	2.14E-07	1.88E-07	0.00E+00	4.01E-07	2.14E-07	1.88E-07	0.00E+00	4.01E-07	2.14E-07	1.88E-07	0.00E+00	4.01E-07			
27	481242.81	3768226.72	2.0378E-06	8.4873E-07	0.00E+00	2.89E-06	2.02E-06	1.23E-06	0.00E+00	3.25E-06	3.70E-07	2.10E-07	0.00E+00	5.81E-07	2.07E-07	1.82E-07	0.00E+00	3.88E-07	2.07E-07	1.82E-07	0.00E+00	3.88E-07	2.07E-07	1.82E-07	0.00E+00	3.88E-07			
28	481251.36	3768223.23	1.9751E-06	8.2261E-07	0.00E+00	2.80E-06	1.95E-06	1.20E-06	0.00E+00	3.15E-06	3.59E-07	2.04E-07	0.00E+00	5.63E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07			
29	481259.91	3768219.75	1.9175E-06	7.9863E-07	0.00E+00	2.72E-06	1.90E-06	1.16E-06	0.00E+00	3.06E-06	3.48E-07	1.98E-07	0.00E+00	5.46E-07	1.95E-07	1.71E-07	0.00E+00	3.65E-07	1.95E-07	1.71E-07	0.00E+00	3.65E-07	1.95E-07	1.71E-07	0.00E+00	3.65E-07			
30	481268.46	3768216.26	1.8645E-06	7.7656E-07	0.00E+00	2.64E-06	1.85E-06	1.13E-06	0.00E+00	2.97E-06	3.39E-07	1.92E-07	0.00E+00	5.31E-07	1.89E-07	1.66E-07	0.00E+00	3.55E-07	1.89E-07	1.66E-07	0.00E+00	3.55E-07	1.89E-07	1.66E-07	0.00E+00	3.55E-07			
31	481277.01	3768212.77	1.8152E-06	7.5602E-07	0.00E+00	2.57E-06	1.80E-06	1.10E-06	0.00E+00	2.90E-06	3.30E-07	1.87E-07	0.00E+00	5.17E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07			
32	481285.56	3768209.29	1.7704E-06	7.3737E-07	0.00E+00	2.51E-06	1.75E-06	1.07E-06	0.00E+00	2.82E-06	3.22E-07	1.83E-07	0.00E+00	5.04E-07	1.80E-07	1.58E-07	0.00E+00	3.37E-07	1.80E-07	1.58E-07	0.00E+00	3.37E-07	1.80E-07	1.58E-07	0.00E+00	3.37E-07			
33	481294.12	3768205.8	1.7299E-06	7.2048E-07	0.00E+00	2.45E-06	1.71E-06	1.05E-06	0.00E+00	2.76E-06	3.14E-07	1.79E-07	0.00E+00	4.93E-07	1.75E-07	1.54E-07	0.00E+00	3.30E-07	1.75E-07	1.54E-07	0.00E+00	3.30E-07	1.75E-07	1.54E-07	0.00E+00	3.30E-07			
34	481302.67	3768202.32	1.6939E-06	7.055E-07	0.00E+00	2.40E-06	1.68E-06	1.03E-06	0.00E+00	2.70E-06	3.08E-07	1.75E-07	0.00E+00	4.83E-07	1.72E-07	1.													

121	481172.88	3768218.47	1.8214E-06	7.586E-07	0.00E+00	2.58E-06	1.80E-06	1.10E-06	0.00E+00	2.91E-06	3.31E-07	1.88E-07	0.00E+00	5.19E-07	1.85E-07	1.62E-07	0.00E+00	3.47E-07
122	481176.67	3768209.53	1.6731E-06	6.9685E-07	0.00E+00	2.37E-06	1.66E-06	1.01E-06	0.00E+00	2.67E-06	3.04E-07	1.73E-07	0.00E+00	4.77E-07	1.70E-07	1.49E-07	0.00E+00	3.19E-07
123	481180.46	3768200.59	0.000001544	6.4309E-07	0.00E+00	2.19E-06	1.53E-06	9.36E-07	0.00E+00	2.46E-06	2.81E-07	1.59E-07	0.00E+00	4.40E-07	1.57E-07	1.38E-07	0.00E+00	2.94E-07
124	481193.25	3768187.99	1.3938E-06	5.8052E-07	0.00E+00	1.97E-06	1.38E-06	8.45E-07	0.00E+00	2.22E-06	2.53E-07	1.44E-07	0.00E+00	3.97E-07	1.41E-07	1.24E-07	0.00E+00	2.66E-07
125	481202.24	3768184.32	1.3583E-06	5.657E-07	0.00E+00	1.92E-06	1.34E-06	8.23E-07	0.00E+00	2.17E-06	2.47E-07	1.40E-07	0.00E+00	3.87E-07	1.38E-07	1.21E-07	0.00E+00	2.59E-07
126	481211.23	3768180.66	1.3249E-06	5.5182E-07	0.00E+00	1.88E-06	1.31E-06	8.03E-07	0.00E+00	2.11E-06	2.41E-07	1.37E-07	0.00E+00	3.77E-07	1.34E-07	1.18E-07	0.00E+00	2.52E-07
127	481220.22	3768176.99	0.000001293	5.3852E-07	0.00E+00	1.83E-06	1.28E-06	7.84E-07	0.00E+00	2.06E-06	2.35E-07	1.33E-07	0.00E+00	3.68E-07	1.31E-07	1.15E-07	0.00E+00	2.46E-07
128	481229.22	3768173.33	1.2633E-06	5.2614E-07	0.00E+00	1.79E-06	1.25E-06	7.66E-07	0.00E+00	2.02E-06	2.30E-07	1.30E-07	0.00E+00	3.60E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
129	481238.21	3768169.66	1.2355E-06	5.1458E-07	0.00E+00	1.75E-06	1.22E-06	7.49E-07	0.00E+00	1.97E-06	2.24E-07	1.28E-07	0.00E+00	3.52E-07	1.25E-07	1.10E-07	0.00E+00	2.35E-07
130	481247.2	3768165.99	1.2103E-06	5.041E-07	0.00E+00	1.71E-06	1.20E-06	7.34E-07	0.00E+00	1.93E-06	2.20E-07	1.25E-07	0.00E+00	3.45E-07	1.23E-07	1.08E-07	0.00E+00	2.31E-07
131	481256.19	3768162.33	1.1871E-06	4.9443E-07	0.00E+00	1.68E-06	1.17E-06	7.19E-07	0.00E+00	1.89E-06	2.16E-07	1.23E-07	0.00E+00	3.38E-07	1.20E-07	1.06E-07	0.00E+00	2.26E-07
132	481265.18	3768158.66	1.1656E-06	4.8545E-07	0.00E+00	1.65E-06	1.15E-06	7.06E-07	0.00E+00	1.86E-06	2.12E-07	1.20E-07	0.00E+00	3.32E-07	1.18E-07	1.04E-07	0.00E+00	2.22E-07
133	481274.18	3768155	1.1455E-06	4.7708E-07	0.00E+00	1.62E-06	1.13E-06	6.94E-07	0.00E+00	1.83E-06	2.08E-07	1.18E-07	0.00E+00	3.26E-07	1.16E-07	1.02E-07	0.00E+00	2.18E-07
134	481283.17	3768151.33	1.1266E-06	4.6921E-07	0.00E+00	1.60E-06	1.11E-06	6.83E-07	0.00E+00	1.80E-06	2.05E-07	1.16E-07	0.00E+00	3.21E-07	1.14E-07	1.00E-07	0.00E+00	2.15E-07
135	481292.16	3768147.67	1.1094E-06	4.6207E-07	0.00E+00	1.57E-06	1.10E-06	6.72E-07	0.00E+00	1.77E-06	2.02E-07	1.15E-07	0.00E+00	3.16E-07	1.13E-07	9.88E-08	0.00E+00	2.11E-07
136	481301.15	3768144	1.0937E-06	4.5554E-07	0.00E+00	1.55E-06	1.08E-06	6.63E-07	0.00E+00	1.75E-06	1.99E-07	1.13E-07	0.00E+00	3.12E-07	1.11E-07	9.74E-08	0.00E+00	2.08E-07
137	481310.14	3768140.34	1.0797E-06	4.4969E-07	0.00E+00	1.53E-06	1.07E-06	6.54E-07	0.00E+00	1.72E-06	1.96E-07	1.11E-07	0.00E+00	3.08E-07	1.10E-07	9.62E-08	0.00E+00	2.06E-07
138	481319.14	3768136.67	1.0671E-06	4.4444E-07	0.00E+00	1.51E-06	1.06E-06	6.47E-07	0.00E+00	1.70E-06	1.94E-07	1.10E-07	0.00E+00	3.04E-07	1.08E-07	9.51E-08	0.00E+00	2.03E-07
139	481328.13	3768133.01	0.000001056	4.3983E-07	0.00E+00	1.50E-06	1.04E-06	6.40E-07	0.00E+00	1.68E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.41E-08	0.00E+00	2.01E-07
140	481154.88	3768237.6	2.2063E-06	9.1891E-07	0.00E+00	3.13E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.01E-07	2.28E-07	0.00E+00	6.29E-07	2.24E-07	1.97E-07	0.00E+00	4.20E-07
141	481158.63	3768228.78	2.0123E-06	8.381E-07	0.00E+00	2.85E-06	1.99E-06	1.22E-06	0.00E+00	3.21E-06	3.66E-07	2.08E-07	0.00E+00	5.73E-07	2.04E-07	1.79E-07	0.00E+00	3.83E-07
142	481162.37	3768219.95	1.8421E-06	7.6721E-07	0.00E+00	2.61E-06	1.82E-06	1.12E-06	0.00E+00	2.94E-06	3.35E-07	1.90E-07	0.00E+00	5.25E-07	1.87E-07	1.64E-07	0.00E+00	3.51E-07
143	481166.12	3768211.12	1.6932E-06	7.0519E-07	0.00E+00	2.40E-06	1.68E-06	1.03E-06	0.00E+00	2.70E-06	3.08E-07	1.75E-07	0.00E+00	4.82E-07	1.72E-07	1.51E-07	0.00E+00	3.23E-07
144	481169.86	3768202.3	0.000001563	6.5098E-07	0.00E+00	2.21E-06	1.55E-06	9.47E-07	0.00E+00	2.49E-06	2.84E-07	1.61E-07	0.00E+00	4.45E-07	1.59E-07	1.39E-07	0.00E+00	2.98E-07
145	481173.61	3768193.47	1.4488E-06	6.0341E-07	0.00E+00	2.05E-06	1.43E-06	8.78E-07	0.00E+00	2.31E-06	2.63E-07	1.50E-07	0.00E+00	4.13E-07	1.47E-07	1.29E-07	0.00E+00	2.76E-07
146	481186.23	3768181.03	1.3145E-06	5.4747E-07	0.00E+00	1.86E-06	1.30E-06	7.97E-07	0.00E+00	2.10E-06	2.39E-07	1.36E-07	0.00E+00	3.75E-07	1.33E-07	1.17E-07	0.00E+00	2.50E-07
147	481195.11	3768177.41	1.2827E-06	5.3426E-07	0.00E+00	1.82E-06	1.27E-06	7.77E-07	0.00E+00	2.05E-06	2.33E-07	1.32E-07	0.00E+00	3.65E-07	1.30E-07	1.14E-07	0.00E+00	2.44E-07
148	481203.99	3768173.79	1.2529E-06	5.2183E-07	0.00E+00	1.77E-06	1.24E-06	7.59E-07	0.00E+00	2.00E-06	2.28E-07	1.29E-07	0.00E+00	3.57E-07	1.27E-07	1.12E-07	0.00E+00	2.39E-07
149	481212.86	3768170.17	1.2246E-06	5.1006E-07	0.00E+00	1.73E-06	1.21E-06	7.42E-07	0.00E+00	1.95E-06	2.23E-07	1.26E-07	0.00E+00	3.49E-07	1.24E-07	1.09E-07	0.00E+00	2.33E-07
150	481221.74	3768166.55	1.1977E-06	4.9884E-07	0.00E+00	1.70E-06	1.19E-06	7.26E-07	0.00E+00	1.91E-06	2.18E-07	1.24E-07	0.00E+00	3.41E-07	1.21E-07	1.07E-07	0.00E+00	2.28E-07
151	481230.62	3768162.93	1.1724E-06	4.8829E-07	0.00E+00	1.66E-06	1.16E-06	7.10E-07	0.00E+00	1.87E-06	2.13E-07	1.21E-07	0.00E+00	3.34E-07	1.19E-07	1.04E-07	0.00E+00	2.23E-07
152	481239.5	3768159.31	1.1489E-06	4.7851E-07	0.00E+00	1.63E-06	1.14E-06	6.96E-07	0.00E+00	1.83E-06	2.09E-07	1.19E-07	0.00E+00	3.27E-07	1.17E-07	1.02E-07	0.00E+00	2.19E-07
153	481248.38	3768155.69	1.1275E-06	4.6961E-07	0.00E+00	1.60E-06	1.12E-06	6.83E-07	0.00E+00	1.80E-06	2.05E-07	1.16E-07	0.00E+00	3.21E-07	1.14E-07	1.00E-07	0.00E+00	2.15E-07
154	481257.26	3768152.07	1.1076E-06	4.6132E-07	0.00E+00	1.57E-06	1.10E-06	6.71E-07	0.00E+00	1.77E-06	2.01E-07	1.14E-07	0.00E+00	3.16E-07	1.12E-07	9.87E-08	0.00E+00	2.11E-07
155	481266.13	3768148.45	1.0891E-06	4.5361E-07	0.00E+00	1.54E-06	1.08E-06	6.60E-07	0.00E+00	1.74E-06	1.98E-07	1.12E-07	0.00E+00	3.10E-07	1.10E-07	9.70E-08	0.00E+00	2.08E-07
156	481275.01	3768144.84	1.0717E-06	4.4637E-07	0.00E+00	1.52E-06	1.06E-06	6.50E-07	0.00E+00	1.71E-06	1.95E-07	1.11E-07	0.00E+00	3.05E-07	1.09E-07	9.55E-08	0.00E+00	2.04E-07
157	481283.89	3768141.22	1.0545E-06	4.3959E-07	0.00E+00	1.49E-06	1.04E-06	6.40E-07	0.00E+00	1.68E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.40E-08	0.00E+00	2.01E-07
158	481292.77	3768137.6	1.0405E-06	4.3337E-07	0.00E+00	1.47E-06	1.03E-06	6.31E-07	0.00E+00	1.66E-06	1.89E-07	1.07E-07	0.00E+00	2.96E-07	1.06E-07	9.27E-08	0.00E+00	1.98E-07
159	481301.65	3768133.98	1.0269E-06	4.2772E-07	0.00E+00	1.45E-06	1.02E-06	6.22E-07	0.00E+00	1.64E-06	1.87E-07	1.06E-07	0.00E+00	2.93E-07	1.04E-07	9.15E-08	0.00E+00	1.96E-07
160	481310.53	3768130.36	1.0147E-06	4.2262E-07	0.00E+00	1.44E-06	1.00E-06	6.15E-07	0.00E+00	1.62E-06	1.84E-07	1.05E-07	0.00E+00	2.89E-07	1.03E-07	9.04E-08	0.00E+00	1.93E-07
161	481319.4	3768126.74	1.0037E-06	4.1805E-07	0.00E+00	1.42E-06	9.93E-07	6.08E-07	0.00E+00	1.60E-06	1.82E-07	1.04E-07	0.00E+00	2.86E-07	1.02E-07	8.94E-08	0.00E+00	1.91E-07
162	481328.28	3768123.12	9.9405E-07	4.1402E-07	0.00E+00	1.41E-06	9.84E-07	6.02E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.83E-07	1.01E-07	8.86E-08	0.00E+00	1.89E-07
163	481144.53	3768238.71	2.2203E-06	9.2475E-07	0.00E+00	3.15E-06	2.20E-06	1.35E-06	0.00E+00	3.54E-06	4.03E-07	2.29E-07	0.00E+00	6.33E-07	2.25E-07	1.98E-07	0.00E+00	4.23E-07
164	481148.23	3768229.99	2.0287E-06	8.4495E-07	0.00E+00	2.87E-06	2.01E-06	1.23E-06	0.00E+00	3.24E-06	3.69E-07	2.09E-07	0.00E+00	5.78E-07	2.06E-07	1.81E-07	0.00E+00	3.87E-07
165	481151.93	3768221.26	1.8595E-06	7.7446E-07	0.00E+00	2.63E-06	1.84E-06	1.13E-06	0.00E+00	2.97E-06	3.38E-07	1.92E-07	0.00E+00	5.30E-07	1.89E-07	1.66E-07	0.00E+00	3.54E-07
166	481155.63	3768212.54	1.7107E-06	7.1249E-07	0.00E+00	2.42E-06	1.69E-06	1.04E-06	0.00E+00	2.73E-06	3.11E-07	1.77E-07	0.00E+00	4.87E-07	1.74E-07	1.52E-07	0.00E+00	3.26E-07
167	481159.34	3768203.81	1.5797E-06	6.5795E-07	0.00E+00	2.24E-06	1.56E-06	9.57E-07	0.00E+00	2.52E-06	2.87E-07	1.63E-07	0.00E+00	4.50E-07	1.60E-07	1.41E-07	0.00E+00	3.01E-07
168	481163.04	3768195.09	1.4647E-06	6.1003E-07	0.00E+00	2.07E-06	1.45E-06	8.88E-07	0.00E+00	2.34E-06	2.66E-07	1.51E-07	0.00E+00	4.17E-07	1.49E-07	1.30E-07	0.00E+00	2.79E-07
169	481166.74	3768186.36	1.3631E-06	5.6774E-07	0.00E+00	1.93E-06	1.35E-06	8.26E-07	0.00E+00	2.17E-06	2.48E-07	1.4						

244	481256.92	3768112.92	8.6994E-07	3.6232E-07	0.00E+00	1.23E-06	8.61E-07	5.27E-07	0.00E+00	1.39E-06	1.58E-07	8.98E-08	0.00E+00	2.48E-07	8.82E-08	7.75E-08	0.00E+00	1.66E-07
245	481265.86	3768109.28	8.5768E-07	3.5722E-07	0.00E+00	1.21E-06	8.49E-07	5.20E-07	0.00E+00	1.37E-06	1.56E-07	8.85E-08	0.00E+00	2.44E-07	8.70E-08	7.64E-08	0.00E+00	1.63E-07
246	481274.79	3768105.64	8.4644E-07	3.5254E-07	0.00E+00	1.20E-06	8.38E-07	5.13E-07	0.00E+00	1.35E-06	1.54E-07	8.74E-08	0.00E+00	2.41E-07	8.59E-08	7.54E-08	0.00E+00	1.61E-07
247	481283.72	3768102	8.3632E-07	3.4832E-07	0.00E+00	1.18E-06	8.28E-07	5.07E-07	0.00E+00	1.33E-06	1.52E-07	8.63E-08	0.00E+00	2.38E-07	8.48E-08	7.45E-08	0.00E+00	1.59E-07
248	481292.66	3768098.36	8.2704E-07	3.4446E-07	0.00E+00	1.17E-06	8.18E-07	5.01E-07	0.00E+00	1.32E-06	1.50E-07	8.54E-08	0.00E+00	2.36E-07	8.39E-08	7.37E-08	0.00E+00	1.58E-07
249	481301.59	3768094.71	8.1846E-07	3.4088E-07	0.00E+00	1.16E-06	8.10E-07	4.96E-07	0.00E+00	1.31E-06	1.49E-07	8.45E-08	0.00E+00	2.33E-07	8.30E-08	7.29E-08	0.00E+00	1.56E-07
250	481310.52	3768091.07	8.1055E-07	3.3759E-07	0.00E+00	1.15E-06	8.02E-07	4.91E-07	0.00E+00	1.29E-06	1.47E-07	8.37E-08	0.00E+00	2.31E-07	8.22E-08	7.22E-08	0.00E+00	1.54E-07
251	481319.46	3768087.43	8.0349E-07	3.3465E-07	0.00E+00	1.14E-06	7.95E-07	4.87E-07	0.00E+00	1.28E-06	1.46E-07	8.29E-08	0.00E+00	2.29E-07	8.15E-08	7.16E-08	0.00E+00	1.53E-07
252	481328.39	3768083.79	7.9729E-07	3.3207E-07	0.00E+00	1.13E-06	7.89E-07	4.83E-07	0.00E+00	1.27E-06	1.45E-07	8.23E-08	0.00E+00	2.27E-07	8.09E-08	7.10E-08	0.00E+00	1.52E-07
253	481337.32	3768080.15	7.9118E-07	3.2955E-07	0.00E+00	1.12E-06	7.83E-07	4.79E-07	0.00E+00	1.26E-06	1.44E-07	8.17E-08	0.00E+00	2.25E-07	8.02E-08	7.04E-08	0.00E+00	1.51E-07
254	481346.25	3768077.51	7.8517E-07	3.2703E-07	0.00E+00	1.11E-06	7.77E-07	4.75E-07	0.00E+00	1.25E-06	1.43E-07	8.11E-08	0.00E+00	2.23E-07	7.95E-08	6.98E-08	0.00E+00	1.50E-07
255	481355.18	3768074.87	7.7916E-07	3.2451E-07	0.00E+00	1.10E-06	7.71E-07	4.71E-07	0.00E+00	1.24E-06	1.42E-07	8.05E-08	0.00E+00	2.21E-07	7.87E-08	6.92E-08	0.00E+00	1.49E-07
256	481364.11	3768072.17	7.7315E-07	3.2200E-07	0.00E+00	1.09E-06	7.65E-07	4.67E-07	0.00E+00	1.23E-06	1.41E-07	7.99E-08	0.00E+00	2.19E-07	7.80E-08	6.86E-08	0.00E+00	1.48E-07
257	481373.04	3768070.47	7.6714E-07	3.1949E-07	0.00E+00	1.08E-06	7.59E-07	4.63E-07	0.00E+00	1.22E-06	1.40E-07	7.93E-08	0.00E+00	2.17E-07	7.73E-08	6.80E-08	0.00E+00	1.47E-07
258	481381.97	3768068.77	7.6113E-07	3.1698E-07	0.00E+00	1.07E-06	7.53E-07	4.59E-07	0.00E+00	1.21E-06	1.39E-07	7.87E-08	0.00E+00	2.15E-07	7.66E-08	6.74E-08	0.00E+00	1.46E-07
259	481390.90	3768066.07	7.5512E-07	3.1447E-07	0.00E+00	1.06E-06	7.47E-07	4.55E-07	0.00E+00	1.20E-06	1.38E-07	7.81E-08	0.00E+00	2.13E-07	7.59E-08	6.68E-08	0.00E+00	1.45E-07
260	481399.83	3768064.37	7.4911E-07	3.1196E-07	0.00E+00	1.05E-06	7.41E-07	4.51E-07	0.00E+00	1.19E-06	1.37E-07	7.75E-08	0.00E+00	2.11E-07	7.52E-08	6.62E-08	0.00E+00	1.44E-07
261	481408.76	3768062.67	7.4310E-07	3.0945E-07	0.00E+00	1.04E-06	7.35E-07	4.47E-07	0.00E+00	1.18E-06	1.36E-07	7.69E-08	0.00E+00	2.09E-07	7.45E-08	6.56E-08	0.00E+00	1.43E-07
262	481417.69	3768061.00	7.3709E-07	3.0694E-07	0.00E+00	1.03E-06	7.29E-07	4.43E-07	0.00E+00	1.17E-06	1.35E-07	7.63E-08	0.00E+00	2.07E-07	7.38E-08	6.50E-08	0.00E+00	1.42E-07
263	481426.62	3768059.34	7.3108E-07	3.0443E-07	0.00E+00	1.02E-06	7.23E-07	4.39E-07	0.00E+00	1.16E-06	1.34E-07	7.57E-08	0.00E+00	2.05E-07	7.31E-08	6.44E-08	0.00E+00	1.41E-07
264	481435.55	3768057.68	7.2507E-07	3.0192E-07	0.00E+00	1.01E-06	7.17E-07	4.35E-07	0.00E+00	1.15E-06	1.33E-07	7.51E-08	0.00E+00	2.03E-07	7.24E-08	6.38E-08	0.00E+00	1.40E-07
265	481444.48	3768056.02	7.1906E-07	3.0000E-07	0.00E+00	1.00E-06	7.11E-07	4.31E-07	0.00E+00	1.14E-06	1.32E-07	7.45E-08	0.00E+00	2.01E-07	7.17E-08	6.32E-08	0.00E+00	1.39E-07
266	481453.41	3768054.36	7.1305E-07	2.9808E-07	0.00E+00	9.9E-07	7.05E-07	4.27E-07	0.00E+00	1.13E-06	1.31E-07	7.39E-08	0.00E+00	1.99E-07	7.10E-08	6.26E-08	0.00E+00	1.38E-07
267	481462.34	3768052.70	7.0704E-07	2.9616E-07	0.00E+00	9.8E-07	6.99E-07	4.23E-07	0.00E+00	1.12E-06	1.30E-07	7.33E-08	0.00E+00	1.97E-07	7.03E-08	6.20E-08	0.00E+00	1.37E-07
268	481471.27	3768051.04	7.0103E-07	2.9424E-07	0.00E+00	9.7E-07	6.93E-07	4.19E-07	0.00E+00	1.11E-06	1.29E-07	7.27E-08	0.00E+00	1.95E-07	6.96E-08	6.14E-08	0.00E+00	1.36E-07
269	481480.20	3768049.38	6.9502E-07	2.9232E-07	0.00E+00	9.6E-07	6.87E-07	4.15E-07	0.00E+00	1.10E-06	1.28E-07	7.21E-08	0.00E+00	1.93E-07	6.89E-08	6.08E-08	0.00E+00	1.35E-07
270	481489.13	3768047.72	6.8901E-07	2.9040E-07	0.00E+00	9.5E-07	6.81E-07	4.11E-07	0.00E+00	1.09E-06	1.27E-07	7.15E-08	0.00E+00	1.91E-07	6.82E-08	6.02E-08	0.00E+00	1.34E-07
271	481498.06	3768046.06	6.8300E-07	2.8848E-07	0.00E+00	9.4E-07	6.75E-07	4.07E-07	0.00E+00	1.08E-06	1.26E-07	7.09E-08	0.00E+00	1.89E-07	6.75E-08	5.96E-08	0.00E+00	1.33E-07
272	481506.99	3768044.40	6.7699E-07	2.8656E-07	0.00E+00	9.3E-07	6.69E-07	4.03E-07	0.00E+00	1.07E-06	1.25E-07	7.03E-08	0.00E+00	1.87E-07	6.68E-08	5.90E-08	0.00E+00	1.32E-07
273	481515.92	3768042.74	6.7098E-07	2.8464E-07	0.00E+00	9.2E-07	6.63E-07	3.99E-07	0.00E+00	1.06E-06	1.24E-07	6.97E-08	0.00E+00	1.85E-07	6.61E-08	5.84E-08	0.00E+00	1.31E-07
274	481524.85	3768041.08	6.6497E-07	2.8272E-07	0.00E+00	9.1E-07	6.57E-07	3.95E-07	0.00E+00	1.05E-06	1.23E-07	6.91E-08	0.00E+00	1.83E-07	6.54E-08	5.78E-08	0.00E+00	1.30E-07
275	481533.78	3768040.42	6.5896E-07	2.8080E-07	0.00E+00	9.0E-07	6.51E-07	3.91E-07	0.00E+00	1.04E-06	1.22E-07	6.85E-08	0.00E+00	1.81E-07	6.47E-08	5.72E-08	0.00E+00	1.29E-07
276	481542.71	3768038.76	6.5295E-07	2.7888E-07	0.00E+00	8.9E-07	6.45E-07	3.87E-07	0.00E+00	1.03E-06	1.21E-07	6.79E-08	0.00E+00	1.79E-07	6.40E-08	5.66E-08	0.00E+00	1.28E-07
277	481551.64	3768037.10	6.4694E-07	2.7696E-07	0.00E+00	8.8E-07	6.39E-07	3.83E-07	0.00E+00	1.02E-06	1.20E-07	6.73E-08	0.00E+00	1.77E-07	6.33E-08	5.60E-08	0.00E+00	1.27E-07
278	481560.57	3768035.44	6.4093E-07	2.7504E-07	0.00E+00	8.7E-07	6.33E-07	3.79E-07	0.00E+00	1.01E-06	1.19E-07	6.67E-08	0.00E+00	1.75E-07	6.26E-08	5.54E-08	0.00E+00	1.26E-07
279	481569.50	3768033.78	6.3492E-07	2.7312E-07	0.00E+00	8.6E-07	6.27E-07	3.75E-07	0.00E+00	1.00E-06	1.18E-07	6.61E-08	0.00E+00	1.73E-07	6.19E-08	5.48E-08	0.00E+00	1.25E-07
280	481578.43	3768032.12	6.2891E-07	2.7120E-07	0.00E+00	8.5E-07	6.21E-07	3.71E-07	0.00E+00	9.9E-07	1.17E-07	6.55E-08	0.00E+00	1.71E-07	6.12E-08	5.42E-08	0.00E+00	1.24E-07
281	481587.36	3768030.46	6.2290E-07	2.6928E-07	0.00E+00	8.4E-07	6.15E-07	3.67E-07	0.00E+00	9.8E-07	1.16E-07	6.49E-08	0.00E+00	1.69E-07	6.05E-08	5.36E-08	0.00E+00	1.23E-07
282	481596.29	3768028.80	6.1689E-07	2.6736E-07	0.00E+00	8.3E-07	6.09E-07	3.63E-07	0.00E+00	9.7E-07	1.15E-07	6.43E-08	0.00E+00	1.67E-07	5.98E-08	5.30E-08	0.00E+00	1.22E-07
283	481605.22	3768027.14	6.1088E-07	2.6544E-07	0.00E+00	8.2E-07	6.03E-07	3.59E-07	0.00E+00	9.6E-07	1.14E-07	6.37E-08	0.00E+00	1.65E-07	5.91E-08	5.24E-08	0.00E+00	1.21E-07
284	481614.15	3768025.48	6.0487E-07	2.6352E-07	0.00E+00	8.1E-07	5.97E-07	3.55E-07	0.00E+00	9.5E-07	1.13E-07	6.31E-08	0.00E+00	1.63E-07	5.84E-08	5.18E-08	0.00E+00	1.20E-07
285	481623.08	3768023.82	6.00000783	3.2611E-07	0.00E+00	1.11E-06	7.75E-07	4.75E-07	0.00E+00	1.25E-06	1.42E-07	8.08E-08	0.00E+00	2.23E-07	7.94E-08	6.98E-08	0.00E+00	1.49E-07
286	481631.91	3768022.16	7.727E-07	3.2183E-07	0.00E+00	1.09E-06	7.65E-07	4.68E-07	0.00E+00	1.23E-06	1.40E-07	7.98E-08	0.00E+00	2.20E-07	7.87E-08	6.92E-08	0.00E+00	1.47E-07
287	481640.84	3768020.50	7.6328E-07	3.179E-07	0.00E+00	1.08E-06	7.55E-07	4.63E-07	0.00E+00	1.22E-06	1.39E-07	7.88E-08	0.00E+00	2.17E-07	7.79E-08	6.86E-08	0.00E+00	1.45E-07
288	481649.77	3768018.84	7.5463E-07	3.143E-07	0.00E+00	1.07E-06	7.47E-07	4.57E-07	0.00E+00	1.20E-06	1.37E-07	7.79E-08	0.00E+00	2.15E-07	7.72E-08	6.80E-08	0.00E+00	1.44E-07
289	481658.70	3768017.18	7.4637E-07	3.1101E-07	0.00E+00	1.06E-06	7.39E-07	4.53E-07	0.00E+00	1.19E-06	1.36E-07	7.71E-08	0.00E+00	2.13E-07	7.65E-08	6.74E-08	0.00E+00	1.42E-07
290	481667.63	3768015.52	7.3833E-07	3.0522E-07	0.00E+00	1.05E-06	7.32E-07	4.48E-07	0.00E+00	1.18E-06	1.34E-07	7.63E-08	0.00E+00	2.11E-07	7.58E-08	6.68E-08	0.00E+00	1.41E-07
291	481676.56	3768013.86	7.3283E-07	3.022E-07	0.00E+00	1.04E-06	7.25E-07	4.44E-07	0.00E+00	1.17E-06	1.33E-07	7.56E-08	0.00E+00	2.09E-07	7.51E-08	6.62E-08	0.00E+00	1.40E-07
292	481685.49	3768012.20	7.2692E-07	3.0276E-07	0.00E+00	1.03E-06	7.19E-07	4.41E-07	0.00E+00	1.16E-06	1.32E-07	7.50E-08	0.00E+00</					

367	481237.52	3768051.59	6.2702E-07	2.6115E-07	0.00E+00	8.88E-07	6.20E-07	3.80E-07	0.00E+00	1.00E-06	1.14E-07	6.47E-08	0.00E+00	1.79E-07	6.36E-08	5.59E-08	0.00E+00	1.19E-07
368	481246.62	3768047.89	6.1982E-07	2.5815E-07	0.00E+00	8.78E-07	6.13E-07	3.76E-07	0.00E+00	9.89E-07	1.13E-07	6.40E-08	0.00E+00	1.77E-07	6.29E-08	5.52E-08	0.00E+00	1.18E-07
369	481255.72	3768044.18	6.1306E-07	2.5534E-07	0.00E+00	8.68E-07	6.07E-07	3.72E-07	0.00E+00	9.78E-07	1.11E-07	6.33E-08	0.00E+00	1.75E-07	6.22E-08	5.46E-08	0.00E+00	1.17E-07
370	481264.82	3768040.47	6.0673E-07	2.527E-07	0.00E+00	8.59E-07	6.00E-07	3.68E-07	0.00E+00	9.68E-07	1.10E-07	6.26E-08	0.00E+00	1.73E-07	6.15E-08	5.41E-08	0.00E+00	1.16E-07
371	481273.92	3768036.76	6.0086E-07	2.5026E-07	0.00E+00	8.51E-07	5.95E-07	3.64E-07	0.00E+00	9.59E-07	1.09E-07	6.20E-08	0.00E+00	1.71E-07	6.09E-08	5.35E-08	0.00E+00	1.14E-07
372	481283.02	3768033.05	5.9548E-07	2.4801E-07	0.00E+00	8.43E-07	5.89E-07	3.61E-07	0.00E+00	9.50E-07	1.08E-07	6.15E-08	0.00E+00	1.70E-07	6.04E-08	5.31E-08	0.00E+00	1.13E-07
373	481292.11	3768029.34	5.9055E-07	2.4596E-07	0.00E+00	8.37E-07	5.84E-07	3.58E-07	0.00E+00	9.42E-07	1.07E-07	6.10E-08	0.00E+00	1.68E-07	5.99E-08	5.26E-08	0.00E+00	1.13E-07
374	481301.21	3768025.63	5.8608E-07	2.441E-07	0.00E+00	8.30E-07	5.80E-07	3.55E-07	0.00E+00	9.35E-07	1.06E-07	6.05E-08	0.00E+00	1.67E-07	5.95E-08	5.22E-08	0.00E+00	1.12E-07
375	481310.31	3768021.92	5.8196E-07	2.4238E-07	0.00E+00	8.24E-07	5.76E-07	3.53E-07	0.00E+00	9.29E-07	1.06E-07	6.01E-08	0.00E+00	1.66E-07	5.90E-08	5.18E-08	0.00E+00	1.11E-07
376	481319.41	3768018.21	5.7832E-07	2.4087E-07	0.00E+00	8.19E-07	5.72E-07	3.50E-07	0.00E+00	9.23E-07	1.05E-07	5.97E-08	0.00E+00	1.65E-07	5.87E-08	5.15E-08	0.00E+00	1.10E-07
377	481328.51	3768014.5	5.7517E-07	2.3955E-07	0.00E+00	8.15E-07	5.69E-07	3.49E-07	0.00E+00	9.18E-07	1.05E-07	5.94E-08	0.00E+00	1.64E-07	5.83E-08	5.12E-08	0.00E+00	1.10E-07
378	481042.47	3768174.23	1.1914E-06	4.9621E-07	0.00E+00	1.69E-06	1.18E-06	7.22E-07	0.00E+00	1.90E-06	2.16E-07	1.23E-07	0.00E+00	3.39E-07	1.21E-07	1.06E-07	0.00E+00	2.27E-07
379	481046.22	3768165.39	1.1187E-06	4.6594E-07	0.00E+00	1.58E-06	1.11E-06	6.78E-07	0.00E+00	1.78E-06	2.03E-07	1.15E-07	0.00E+00	3.19E-07	1.13E-07	9.97E-08	0.00E+00	2.13E-07
380	481049.97	3768156.56	1.0531E-06	4.3859E-07	0.00E+00	1.49E-06	1.04E-06	6.38E-07	0.00E+00	1.68E-06	1.91E-07	1.09E-07	0.00E+00	3.00E-07	1.07E-07	9.38E-08	0.00E+00	2.01E-07
381	481053.72	3768147.72	9.9349E-07	4.1378E-07	0.00E+00	1.41E-06	9.83E-07	6.02E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.83E-07	1.01E-07	8.85E-08	0.00E+00	1.89E-07
382	481057.47	3768138.89	9.3954E-07	3.9131E-07	0.00E+00	1.33E-06	9.30E-07	5.69E-07	0.00E+00	1.50E-06	1.71E-07	9.70E-08	0.00E+00	2.68E-07	9.53E-08	8.37E-08	0.00E+00	1.79E-07
383	481061.22	3768130.05	8.9038E-07	3.7084E-07	0.00E+00	1.26E-06	8.81E-07	5.40E-07	0.00E+00	1.42E-06	1.62E-07	9.19E-08	0.00E+00	2.54E-07	9.03E-08	7.93E-08	0.00E+00	1.70E-07
384	481064.97	3768121.21	8.4546E-07	3.5213E-07	0.00E+00	1.20E-06	8.37E-07	5.12E-07	0.00E+00	1.35E-06	1.54E-07	8.73E-08	0.00E+00	2.41E-07	8.58E-08	7.53E-08	0.00E+00	1.61E-07
385	481068.72	3768112.38	8.0448E-07	3.3506E-07	0.00E+00	1.14E-06	7.96E-07	4.88E-07	0.00E+00	1.28E-06	1.46E-07	8.30E-08	0.00E+00	2.29E-07	8.16E-08	7.17E-08	0.00E+00	1.53E-07
386	481072.47	3768103.54	7.668E-07	3.1937E-07	0.00E+00	1.09E-06	7.59E-07	4.65E-07	0.00E+00	1.22E-06	1.39E-07	7.91E-08	0.00E+00	2.18E-07	7.78E-08	6.83E-08	0.00E+00	1.46E-07
387	481076.22	3768094.7	7.3205E-07	3.0489E-07	0.00E+00	1.04E-06	7.24E-07	4.44E-07	0.00E+00	1.17E-06	1.33E-07	7.56E-08	0.00E+00	2.09E-07	7.43E-08	6.52E-08	0.00E+00	1.39E-07
388	481088.86	3768082.25	6.8942E-07	2.8714E-07	0.00E+00	9.77E-07	6.82E-07	4.18E-07	0.00E+00	1.10E-06	1.25E-07	7.12E-08	0.00E+00	1.96E-07	6.99E-08	6.14E-08	0.00E+00	1.31E-07
389	481097.74	3768078.62	6.7877E-07	2.827E-07	0.00E+00	9.61E-07	6.72E-07	4.11E-07	0.00E+00	1.08E-06	1.23E-07	7.01E-08	0.00E+00	1.93E-07	6.89E-08	6.05E-08	0.00E+00	1.29E-07
390	481106.63	3768075	6.6838E-07	2.7838E-07	0.00E+00	9.47E-07	6.61E-07	4.05E-07	0.00E+00	1.07E-06	1.21E-07	6.90E-08	0.00E+00	1.90E-07	6.78E-08	5.95E-08	0.00E+00	1.27E-07
391	481115.52	3768071.38	6.5816E-07	2.7412E-07	0.00E+00	9.32E-07	6.51E-07	3.99E-07	0.00E+00	1.05E-06	1.20E-07	6.79E-08	0.00E+00	1.88E-07	6.68E-08	5.86E-08	0.00E+00	1.25E-07
392	481124.41	3768067.75	6.4819E-07	2.6997E-07	0.00E+00	9.18E-07	6.41E-07	3.93E-07	0.00E+00	1.03E-06	1.18E-07	6.69E-08	0.00E+00	1.85E-07	6.58E-08	5.78E-08	0.00E+00	1.24E-07
393	481151.08	3768056.88	6.2004E-07	2.5824E-07	0.00E+00	8.78E-07	6.14E-07	3.76E-07	0.00E+00	9.89E-07	1.13E-07	6.40E-08	0.00E+00	1.77E-07	6.29E-08	5.52E-08	0.00E+00	1.18E-07
394	481159.96	3768053.26	6.1148E-07	2.5468E-07	0.00E+00	8.66E-07	6.05E-07	3.71E-07	0.00E+00	9.76E-07	1.11E-07	6.31E-08	0.00E+00	1.74E-07	6.20E-08	5.45E-08	0.00E+00	1.17E-07
395	481168.85	3768049.64	6.0326E-07	2.5125E-07	0.00E+00	8.55E-07	5.97E-07	3.66E-07	0.00E+00	9.63E-07	1.10E-07	6.23E-08	0.00E+00	1.72E-07	6.12E-08	5.37E-08	0.00E+00	1.15E-07
396	481177.74	3768046.01	5.9535E-07	2.4796E-07	0.00E+00	8.43E-07	5.89E-07	3.61E-07	0.00E+00	9.50E-07	1.08E-07	6.15E-08	0.00E+00	1.70E-07	6.04E-08	5.30E-08	0.00E+00	1.13E-07
397	481186.63	3768042.39	5.8743E-07	2.4466E-07	0.00E+00	8.32E-07	5.81E-07	3.56E-07	0.00E+00	9.37E-07	1.07E-07	6.06E-08	0.00E+00	1.67E-07	5.96E-08	5.23E-08	0.00E+00	1.12E-07
398	481195.52	3768038.77	5.798E-07	2.4148E-07	0.00E+00	8.21E-07	5.74E-07	3.51E-07	0.00E+00	9.25E-07	1.05E-07	5.98E-08	0.00E+00	1.65E-07	5.88E-08	5.17E-08	0.00E+00	1.10E-07
399	481204.41	3768035.14	5.7252E-07	2.3845E-07	0.00E+00	8.11E-07	5.67E-07	3.47E-07	0.00E+00	9.13E-07	1.04E-07	5.91E-08	0.00E+00	1.63E-07	5.81E-08	5.10E-08	0.00E+00	1.09E-07
400	481213.3	3768031.52	5.657E-07	2.3561E-07	0.00E+00	8.01E-07	5.60E-07	3.43E-07	0.00E+00	9.03E-07	1.03E-07	5.84E-08	0.00E+00	1.61E-07	5.74E-08	5.04E-08	0.00E+00	1.08E-07
401	481222.18	3768027.9	5.5931E-07	2.3295E-07	0.00E+00	7.92E-07	5.53E-07	3.39E-07	0.00E+00	8.92E-07	1.02E-07	5.77E-08	0.00E+00	1.59E-07	5.67E-08	4.98E-08	0.00E+00	1.07E-07
402	481231.07	3768024.27	5.5321E-07	2.3041E-07	0.00E+00	7.84E-07	5.47E-07	3.35E-07	0.00E+00	8.83E-07	1.01E-07	5.71E-08	0.00E+00	1.58E-07	5.61E-08	4.93E-08	0.00E+00	1.05E-07
403	481239.96	3768020.65	5.4744E-07	2.2801E-07	0.00E+00	7.75E-07	5.42E-07	3.32E-07	0.00E+00	8.73E-07	9.95E-08	5.65E-08	0.00E+00	1.56E-07	5.55E-08	4.88E-08	0.00E+00	1.04E-07
404	481248.85	3768017.03	5.4202E-07	2.2575E-07	0.00E+00	7.68E-07	5.36E-07	3.28E-07	0.00E+00	8.65E-07	9.85E-08	5.59E-08	0.00E+00	1.54E-07	5.50E-08	4.83E-08	0.00E+00	1.03E-07
405	481257.74	3768013.4	5.3691E-07	2.2362E-07	0.00E+00	7.61E-07	5.31E-07	3.25E-07	0.00E+00	8.57E-07	9.76E-08	5.54E-08	0.00E+00	1.53E-07	5.45E-08	4.78E-08	0.00E+00	1.02E-07
406	481266.63	3768009.78	5.3219E-07	2.2165E-07	0.00E+00	7.54E-07	5.27E-07	3.23E-07	0.00E+00	8.49E-07	9.67E-08	5.49E-08	0.00E+00	1.52E-07	5.40E-08	4.74E-08	0.00E+00	1.01E-07
407	481275.52	3768006.16	5.2781E-07	2.1983E-07	0.00E+00	7.48E-07	5.22E-07	3.20E-07	0.00E+00	8.42E-07	9.59E-08	5.45E-08	0.00E+00	1.50E-07	5.35E-08	4.70E-08	0.00E+00	1.01E-07
408	481284.4	3768002.53	5.2378E-07	2.1815E-07	0.00E+00	7.42E-07	5.18E-07	3.17E-07	0.00E+00	8.36E-07	9.52E-08	5.41E-08	0.00E+00	1.49E-07	5.31E-08	4.67E-08	0.00E+00	9.98E-08
409	481293.29	3767998.91	5.2014E-07	2.1663E-07	0.00E+00	7.37E-07	5.15E-07	3.15E-07	0.00E+00	8.30E-07	9.45E-08	5.37E-08	0.00E+00	1.48E-07	5.28E-08	4.63E-08	0.00E+00	9.91E-08
410	481302.18	3767995.29	5.1682E-07	2.1525E-07	0.00E+00	7.32E-07	5.11E-07	3.13E-07	0.00E+00	8.25E-07	9.39E-08	5.33E-08	0.00E+00	1.47E-07	5.24E-08	4.60E-08	0.00E+00	9.85E-08
411	481311.07	3767991.66	5.1375E-07	2.1397E-07	0.00E+00	7.28E-07	5.08E-07	3.11E-07	0.00E+00	8.20E-07	9.33E-08	5.30E-08	0.00E+00	1.46E-07	5.21E-08	4.58E-08	0.00E+00	9.79E-08
412	481319.96	3767988.04	5.1107E-07	2.1286E-07	0.00E+00	7.24E-07	5.06E-07	3.10E-07	0.00E+00	8.15E-07	9.29E-08	5.28E-08	0.00E+00	1.46E-07	5.18E-08	4.55E-08	0.00E+00	9.74E-08
413	481328.85	3767984.42	5.0876E-07	2.119E-07	0.00E+00	7.21E-07	5.03E-07	3.08E-07	0.00E+00	8.12E-07	9.24E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.69E-08
414	481013.36	3768171.85	1.1569E-06	4.8186E-07	0.00E+00	1.64E-06	1.14E-06	7.01E-07	0.00E+00	1.85E-06	2.10E-07	1.19E-07	0.00E+00	3.30E-07	1.17E-07	1.03E-07	0.00E+00	2.20E-07
415	481017.15	3768162.91	1.0871E-06	4.5276E-07	0.00E+00	1.54E-06	1.08E-06	6.59E-07	0.00E+00	1.73E-06	1.98E-07	1.12E-0						

490	480989.67	3768085.67	6.8007E-07	2.8324E-07	0.00E+00	9.63E-07	6.73E-07	4.12E-07	0.00E+00	1.09E-06	1.24E-07	7.02E-08	0.00E+00	1.94E-07	6.90E-08	6.06E-08	0.00E+00	1.30E-07
491	480993.55	3768076.54	6.5086E-07	2.7108E-07	0.00E+00	9.22E-07	6.44E-07	3.94E-07	0.00E+00	1.04E-06	1.18E-07	6.72E-08	0.00E+00	1.85E-07	6.60E-08	5.80E-08	0.00E+00	1.24E-07
492	481005.16	3768049.16	5.7441E-07	2.3924E-07	0.00E+00	8.14E-07	5.68E-07	3.48E-07	0.00E+00	9.17E-07	1.04E-07	5.93E-08	0.00E+00	1.64E-07	5.83E-08	5.12E-08	0.00E+00	1.09E-07
493	481009.04	3768040.03	5.5259E-07	2.3015E-07	0.00E+00	7.83E-07	5.47E-07	3.35E-07	0.00E+00	8.82E-07	1.00E-07	5.70E-08	0.00E+00	1.57E-07	5.61E-08	4.92E-08	0.00E+00	1.05E-07
494	481012.91	3768030.9	5.3223E-07	2.2167E-07	0.00E+00	7.54E-07	5.27E-07	3.23E-07	0.00E+00	8.49E-07	9.67E-08	5.49E-08	0.00E+00	1.52E-07	5.40E-08	4.74E-08	0.00E+00	1.01E-07
495	481025.96	3768018.04	5.0687E-07	2.1111E-07	0.00E+00	7.18E-07	5.02E-07	3.07E-07	0.00E+00	8.09E-07	9.21E-08	5.23E-08	0.00E+00	1.44E-07	5.14E-08	4.52E-08	0.00E+00	9.66E-08
496	481035.14	3768014.29	5.0052E-07	2.0847E-07	0.00E+00	7.09E-07	4.95E-07	3.03E-07	0.00E+00	7.99E-07	9.09E-08	5.17E-08	0.00E+00	1.43E-07	5.08E-08	4.46E-08	0.00E+00	9.54E-08
497	481044.32	3768010.55	4.9417E-07	2.0582E-07	0.00E+00	7.00E-07	4.89E-07	2.99E-07	0.00E+00	7.88E-07	8.98E-08	5.10E-08	0.00E+00	1.41E-07	5.01E-08	4.40E-08	0.00E+00	9.42E-08
498	481053.5	3768006.81	4.8792E-07	2.0322E-07	0.00E+00	6.91E-07	4.83E-07	2.96E-07	0.00E+00	7.79E-07	8.87E-08	5.04E-08	0.00E+00	1.39E-07	4.95E-08	4.35E-08	0.00E+00	9.30E-08
499	481062.69	3768003.07	4.8177E-07	2.0066E-07	0.00E+00	6.82E-07	4.77E-07	2.92E-07	0.00E+00	7.69E-07	8.75E-08	4.97E-08	0.00E+00	1.37E-07	4.89E-08	4.29E-08	0.00E+00	9.18E-08
500	481071.87	3767999.32	4.7569E-07	1.9812E-07	0.00E+00	6.74E-07	4.71E-07	2.88E-07	0.00E+00	7.59E-07	8.64E-08	4.91E-08	0.00E+00	1.36E-07	4.83E-08	4.24E-08	0.00E+00	9.06E-08
501	481081.05	3767995.58	4.6973E-07	1.9564E-07	0.00E+00	6.65E-07	4.65E-07	2.85E-07	0.00E+00	7.49E-07	8.53E-08	4.85E-08	0.00E+00	1.34E-07	4.76E-08	4.18E-08	0.00E+00	8.95E-08
502	481090.23	3767991.84	4.6387E-07	1.932E-07	0.00E+00	6.57E-07	4.59E-07	2.81E-07	0.00E+00	7.40E-07	8.43E-08	4.79E-08	0.00E+00	1.32E-07	4.71E-08	4.13E-08	0.00E+00	8.84E-08
503	481099.41	3767988.1	4.581E-07	1.908E-07	0.00E+00	6.49E-07	4.53E-07	2.78E-07	0.00E+00	7.31E-07	8.32E-08	4.73E-08	0.00E+00	1.31E-07	4.65E-08	4.08E-08	0.00E+00	8.73E-08
504	481108.59	3767984.35	4.5248E-07	1.8846E-07	0.00E+00	6.41E-07	4.48E-07	2.74E-07	0.00E+00	7.22E-07	8.22E-08	4.67E-08	0.00E+00	1.29E-07	4.59E-08	4.03E-08	0.00E+00	8.62E-08
505	481117.77	3767980.61	4.4703E-07	1.8618E-07	0.00E+00	6.33E-07	4.42E-07	2.71E-07	0.00E+00	7.13E-07	8.12E-08	4.61E-08	0.00E+00	1.27E-07	4.53E-08	3.98E-08	0.00E+00	8.52E-08
506	481126.95	3767976.87	4.4164E-07	1.8394E-07	0.00E+00	6.26E-07	4.37E-07	2.68E-07	0.00E+00	7.05E-07	8.02E-08	4.56E-08	0.00E+00	1.26E-07	4.48E-08	3.93E-08	0.00E+00	8.41E-08
507	481283.03	3767913.25	3.7771E-07	1.5731E-07	0.00E+00	5.35E-07	3.74E-07	2.29E-07	0.00E+00	6.03E-07	6.86E-08	3.90E-08	0.00E+00	1.08E-07	3.83E-08	3.37E-08	0.00E+00	7.20E-08
508	481292.21	3767909.51	3.7576E-07	1.565E-07	0.00E+00	5.32E-07	3.72E-07	2.28E-07	0.00E+00	6.00E-07	6.83E-08	3.88E-08	0.00E+00	1.07E-07	3.81E-08	3.35E-08	0.00E+00	7.16E-08
509	481301.39	3767905.76	3.7401E-07	1.5577E-07	0.00E+00	5.30E-07	3.70E-07	2.27E-07	0.00E+00	5.97E-07	6.80E-08	3.86E-08	0.00E+00	1.07E-07	3.79E-08	3.33E-08	0.00E+00	7.13E-08
510	481310.57	3767902.02	3.7254E-07	1.5516E-07	0.00E+00	5.28E-07	3.69E-07	2.26E-07	0.00E+00	5.94E-07	6.77E-08	3.85E-08	0.00E+00	1.06E-07	3.78E-08	3.32E-08	0.00E+00	7.10E-08
511	481319.75	3767898.28	3.7127E-07	1.5463E-07	0.00E+00	5.26E-07	3.67E-07	2.25E-07	0.00E+00	5.92E-07	6.75E-08	3.83E-08	0.00E+00	1.06E-07	3.77E-08	3.31E-08	0.00E+00	7.07E-08
512	481328.93	3767894.54	3.7019E-07	1.5418E-07	0.00E+00	5.24E-07	3.66E-07	2.24E-07	0.00E+00	5.91E-07	6.73E-08	3.82E-08	0.00E+00	1.05E-07	3.76E-08	3.30E-08	0.00E+00	7.05E-08
513	480934.89	3768143.78	9.2557E-07	3.855E-07	0.00E+00	1.31E-06	9.16E-07	5.61E-07	0.00E+00	1.48E-06	1.68E-07	9.55E-08	0.00E+00	2.64E-07	9.39E-08	8.25E-08	0.00E+00	1.76E-07
514	480938.69	3768134.82	8.7724E-07	3.6536E-07	0.00E+00	1.24E-06	8.68E-07	5.32E-07	0.00E+00	1.40E-06	1.59E-07	9.05E-08	0.00E+00	2.50E-07	8.90E-08	7.82E-08	0.00E+00	1.67E-07
515	480942.49	3768125.86	8.3275E-07	3.4684E-07	0.00E+00	1.18E-06	8.24E-07	5.05E-07	0.00E+00	1.33E-06	1.51E-07	8.60E-08	0.00E+00	2.37E-07	8.45E-08	7.42E-08	0.00E+00	1.59E-07
516	480946.29	3768116.9	7.918E-07	3.2978E-07	0.00E+00	1.12E-06	7.84E-07	4.80E-07	0.00E+00	1.26E-06	1.44E-07	8.17E-08	0.00E+00	2.26E-07	8.03E-08	7.05E-08	0.00E+00	1.51E-07
517	480950.1	3768107.94	7.5415E-07	3.141E-07	0.00E+00	1.07E-06	7.46E-07	4.57E-07	0.00E+00	1.20E-06	1.37E-07	7.78E-08	0.00E+00	2.15E-07	7.65E-08	6.72E-08	0.00E+00	1.44E-07
518	480953.9	3768098.98	7.1947E-07	2.9966E-07	0.00E+00	1.02E-06	7.12E-07	4.36E-07	0.00E+00	1.15E-06	1.31E-07	7.43E-08	0.00E+00	2.05E-07	7.30E-08	6.41E-08	0.00E+00	1.37E-07
519	480957.7	3768090.02	6.875E-07	2.8634E-07	0.00E+00	9.74E-07	6.80E-07	4.17E-07	0.00E+00	1.10E-06	1.25E-07	7.10E-08	0.00E+00	1.96E-07	6.97E-08	6.13E-08	0.00E+00	1.31E-07
520	480972.91	3768054.18	5.8166E-07	2.4226E-07	0.00E+00	8.24E-07	5.76E-07	3.53E-07	0.00E+00	9.28E-07	1.06E-07	6.00E-08	0.00E+00	1.66E-07	5.90E-08	5.18E-08	0.00E+00	1.11E-07
521	480976.71	3768045.22	5.5961E-07	2.3308E-07	0.00E+00	7.93E-07	5.54E-07	3.39E-07	0.00E+00	8.93E-07	1.02E-07	5.78E-08	0.00E+00	1.59E-07	5.68E-08	4.99E-08	0.00E+00	1.07E-07
522	480980.51	3768036.26	5.3903E-07	2.245E-07	0.00E+00	7.64E-07	5.33E-07	3.27E-07	0.00E+00	8.60E-07	9.79E-08	5.56E-08	0.00E+00	1.54E-07	5.47E-08	4.80E-08	0.00E+00	1.03E-07
523	480984.31	3768027.3	5.1973E-07	2.1647E-07	0.00E+00	7.36E-07	5.14E-07	3.15E-07	0.00E+00	8.29E-07	9.44E-08	5.36E-08	0.00E+00	1.48E-07	5.27E-08	4.63E-08	0.00E+00	9.90E-08
524	480988.12	3768018.34	5.016E-07	2.0891E-07	0.00E+00	7.11E-07	4.96E-07	3.04E-07	0.00E+00	8.00E-07	9.11E-08	5.18E-08	0.00E+00	1.43E-07	5.09E-08	4.47E-08	0.00E+00	9.56E-08
525	480991.92	3768009.38	4.8467E-07	2.0186E-07	0.00E+00	6.87E-07	4.80E-07	2.94E-07	0.00E+00	7.73E-07	8.81E-08	5.00E-08	0.00E+00	1.38E-07	4.92E-08	4.32E-08	0.00E+00	9.23E-08
526	481004.73	3767996.74	4.6347E-07	1.9303E-07	0.00E+00	6.57E-07	4.59E-07	2.81E-07	0.00E+00	7.39E-07	8.42E-08	4.78E-08	0.00E+00	1.32E-07	4.70E-08	4.13E-08	0.00E+00	8.83E-08
527	481013.75	3767993.07	4.5818E-07	1.9083E-07	0.00E+00	6.49E-07	4.53E-07	2.78E-07	0.00E+00	7.31E-07	8.33E-08	4.73E-08	0.00E+00	1.31E-07	4.65E-08	4.08E-08	0.00E+00	8.73E-08
528	481022.76	3767989.39	4.5289E-07	1.8863E-07	0.00E+00	6.42E-07	4.48E-07	2.74E-07	0.00E+00	7.23E-07	8.23E-08	4.67E-08	0.00E+00	1.29E-07	4.59E-08	4.04E-08	0.00E+00	8.63E-08
529	481031.77	3767985.72	4.4761E-07	1.8643E-07	0.00E+00	6.34E-07	4.43E-07	2.71E-07	0.00E+00	7.14E-07	8.13E-08	4.62E-08	0.00E+00	1.28E-07	4.54E-08	3.99E-08	0.00E+00	8.53E-08
530	481040.79	3767982.04	4.4241E-07	1.8426E-07	0.00E+00	6.27E-07	4.38E-07	2.68E-07	0.00E+00	7.06E-07	8.04E-08	4.57E-08	0.00E+00	1.26E-07	4.49E-08	3.94E-08	0.00E+00	8.43E-08
531	481049.8	3767978.37	4.3734E-07	1.8215E-07	0.00E+00	6.19E-07	4.33E-07	2.65E-07	0.00E+00	6.98E-07	7.95E-08	4.51E-08	0.00E+00	1.25E-07	4.44E-08	3.90E-08	0.00E+00	8.33E-08
532	481058.81	3767974.7	4.3237E-07	1.8008E-07	0.00E+00	6.12E-07	4.28E-07	2.62E-07	0.00E+00	6.90E-07	7.86E-08	4.46E-08	0.00E+00	1.23E-07	4.39E-08	3.85E-08	0.00E+00	8.24E-08
533	481067.83	3767971.02	4.2741E-07	1.7801E-07	0.00E+00	6.05E-07	4.23E-07	2.59E-07	0.00E+00	6.82E-07	7.77E-08	4.41E-08	0.00E+00	1.22E-07	4.34E-08	3.81E-08	0.00E+00	8.14E-08
534	481076.84	3767967.35	4.2251E-07	1.7597E-07	0.00E+00	5.98E-07	4.18E-07	2.56E-07	0.00E+00	6.74E-07	7.68E-08	4.36E-08	0.00E+00	1.20E-07	4.29E-08	3.76E-08	0.00E+00	8.05E-08
535	481085.86	3767963.67	4.1767E-07	1.7396E-07	0.00E+00	5.92E-07	4.13E-07	2.53E-07	0.00E+00	6.66E-07	7.59E-08	4.31E-08	0.00E+00	1.19E-07	4.24E-08	3.72E-08	0.00E+00	7.96E-08
536	481094.87	3767960	4.1292E-07	1.7198E-07	0.00E+00	5.85E-07	4.09E-07	2.50E-07	0.00E+00	6.59E-07	7.50E-08	4.26E-08	0.00E+00	1.18E-07	4.19E-08	3.68E-08	0.00E+00	7.87E-08
537	481103.88	3767956.32	4.0824E-07	1.7003E-07	0.00E+00	5.78E-07	4.04E-07	2.47E-07	0.00E+00	6.51E-07	7.42E-08	4.21E-08	0.00E+00	1.16E-07	4.14E-08	3.64E-08	0.00E+00	7.78E-08
538	481112.9	3767952.65	4.0359E-07	1.6809E-07	0.00E+00	5.72E-07	3.99E-07	2.45E-07	0.00E+00	6.44E-07	7.33E-08	4.17E-08	0.					

613	480962.76	3767953.95	3.9304E-07	1.637E-07	0.00E+00	5.57E-07	3.89E-07	2.38E-07	0.00E+00	6.27E-07	7.14E-08	4.06E-08	0.00E+00	1.12E-07	3.99E-08	3.50E-08	0.00E+00	7.49E-08
614	480971.92	3767950.22	3.8904E-07	1.6203E-07	0.00E+00	5.51E-07	3.85E-07	2.36E-07	0.00E+00	6.21E-07	7.07E-08	4.02E-08	0.00E+00	1.11E-07	3.95E-08	3.47E-08	0.00E+00	7.41E-08
615	481026.91	3767927.8	3.6475E-07	1.5192E-07	0.00E+00	5.17E-07	3.61E-07	2.21E-07	0.00E+00	5.82E-07	6.63E-08	3.76E-08	0.00E+00	1.04E-07	3.70E-08	3.25E-08	0.00E+00	6.95E-08
616	481036.07	3767924.07	3.6095E-07	1.5033E-07	0.00E+00	5.11E-07	3.57E-07	2.19E-07	0.00E+00	5.76E-07	6.56E-08	3.73E-08	0.00E+00	1.03E-07	3.66E-08	3.22E-08	0.00E+00	6.88E-08
617	481045.24	3767920.33	3.5722E-07	1.4878E-07	0.00E+00	5.06E-07	3.53E-07	2.16E-07	0.00E+00	5.70E-07	6.49E-08	3.69E-08	0.00E+00	1.02E-07	3.62E-08	3.18E-08	0.00E+00	6.81E-08
618	481054.4	3767916.6	3.5349E-07	1.4723E-07	0.00E+00	5.01E-07	3.50E-07	2.14E-07	0.00E+00	5.64E-07	6.42E-08	3.65E-08	0.00E+00	1.01E-07	3.59E-08	3.15E-08	0.00E+00	6.74E-08
619	481063.56	3767912.86	3.4972E-07	1.4566E-07	0.00E+00	4.95E-07	3.46E-07	2.12E-07	0.00E+00	5.58E-07	6.35E-08	3.61E-08	0.00E+00	9.96E-08	3.55E-08	3.12E-08	0.00E+00	6.66E-08
620	481072.73	3767909.13	3.4596E-07	1.4409E-07	0.00E+00	4.90E-07	3.42E-07	2.10E-07	0.00E+00	5.52E-07	6.29E-08	3.57E-08	0.00E+00	9.86E-08	3.51E-08	3.08E-08	0.00E+00	6.59E-08
621	481081.89	3767905.39	3.4226E-07	1.4255E-07	0.00E+00	4.85E-07	3.39E-07	2.07E-07	0.00E+00	5.46E-07	6.22E-08	3.53E-08	0.00E+00	9.75E-08	3.47E-08	3.05E-08	0.00E+00	6.52E-08
622	481091.06	3767901.65	3.3862E-07	1.4103E-07	0.00E+00	4.80E-07	3.35E-07	2.05E-07	0.00E+00	5.40E-07	6.15E-08	3.50E-08	0.00E+00	9.65E-08	3.43E-08	3.02E-08	0.00E+00	6.45E-08
623	481100.22	3767897.92	3.3519E-07	1.396E-07	0.00E+00	4.75E-07	3.32E-07	2.03E-07	0.00E+00	5.35E-07	6.09E-08	3.46E-08	0.00E+00	9.55E-08	3.40E-08	2.99E-08	0.00E+00	6.39E-08
624	481109.38	3767894.18	3.3183E-07	1.3821E-07	0.00E+00	4.70E-07	3.28E-07	2.01E-07	0.00E+00	5.29E-07	6.03E-08	3.43E-08	0.00E+00	9.45E-08	3.37E-08	2.96E-08	0.00E+00	6.32E-08
625	481118.55	3767890.45	3.2854E-07	1.3684E-07	0.00E+00	4.65E-07	3.25E-07	1.99E-07	0.00E+00	5.24E-07	5.97E-08	3.39E-08	0.00E+00	9.36E-08	3.33E-08	2.93E-08	0.00E+00	6.26E-08
626	481127.71	3767886.71	3.2524E-07	1.3546E-07	0.00E+00	4.61E-07	3.22E-07	1.97E-07	0.00E+00	5.19E-07	5.91E-08	3.36E-08	0.00E+00	9.27E-08	3.30E-08	2.90E-08	0.00E+00	6.20E-08
627	481155.2	3767875.51	3.1599E-07	1.3161E-07	0.00E+00	4.48E-07	3.13E-07	1.92E-07	0.00E+00	5.04E-07	5.74E-08	3.26E-08	0.00E+00	9.00E-08	3.21E-08	2.82E-08	0.00E+00	6.02E-08
628	481164.37	3767871.77	3.132E-07	1.3045E-07	0.00E+00	4.44E-07	3.10E-07	1.90E-07	0.00E+00	5.00E-07	5.69E-08	3.23E-08	0.00E+00	8.92E-08	3.18E-08	2.79E-08	0.00E+00	5.97E-08
629	481173.53	3767868.03	3.1055E-07	1.2934E-07	0.00E+00	4.40E-07	3.07E-07	1.88E-07	0.00E+00	4.96E-07	5.64E-08	3.21E-08	0.00E+00	8.85E-08	3.15E-08	2.77E-08	0.00E+00	5.92E-08
630	481182.7	3767864.3	0.00000308	1.2828E-07	0.00E+00	4.36E-07	3.05E-07	1.87E-07	0.00E+00	4.91E-07	5.60E-08	3.18E-08	0.00E+00	8.78E-08	3.12E-08	2.74E-08	0.00E+00	5.87E-08
631	481191.86	3767860.56	3.0552E-07	1.2725E-07	0.00E+00	4.33E-07	3.02E-07	1.85E-07	0.00E+00	4.87E-07	5.55E-08	3.15E-08	0.00E+00	8.70E-08	3.10E-08	2.72E-08	0.00E+00	5.82E-08
632	481201.02	3767856.83	3.032E-07	1.2628E-07	0.00E+00	4.29E-07	3.00E-07	1.84E-07	0.00E+00	4.84E-07	5.51E-08	3.13E-08	0.00E+00	8.64E-08	3.08E-08	2.70E-08	0.00E+00	5.78E-08
633	481210.19	3767853.09	3.0102E-07	1.2538E-07	0.00E+00	4.26E-07	2.98E-07	1.82E-07	0.00E+00	4.80E-07	5.47E-08	3.11E-08	0.00E+00	8.58E-08	3.05E-08	2.68E-08	0.00E+00	5.74E-08
634	481219.35	3767849.36	0.00000299	1.2453E-07	0.00E+00	4.24E-07	2.96E-07	1.81E-07	0.00E+00	4.77E-07	5.43E-08	3.09E-08	0.00E+00	8.52E-08	3.03E-08	2.66E-08	0.00E+00	5.70E-08
635	481228.52	3767845.62	2.9707E-07	1.2373E-07	0.00E+00	4.21E-07	2.94E-07	1.80E-07	0.00E+00	4.74E-07	5.40E-08	3.07E-08	0.00E+00	8.46E-08	3.01E-08	2.65E-08	0.00E+00	5.66E-08
636	481237.68	3767841.89	2.9529E-07	1.2299E-07	0.00E+00	4.18E-07	2.92E-07	1.79E-07	0.00E+00	4.71E-07	5.37E-08	3.05E-08	0.00E+00	8.41E-08	3.00E-08	2.63E-08	0.00E+00	5.63E-08
637	481246.84	3767838.15	2.9361E-07	1.2229E-07	0.00E+00	4.16E-07	2.91E-07	1.78E-07	0.00E+00	4.68E-07	5.33E-08	3.03E-08	0.00E+00	8.37E-08	2.98E-08	2.62E-08	0.00E+00	5.59E-08
638	481256.01	3767834.42	2.9208E-07	1.2165E-07	0.00E+00	4.14E-07	2.89E-07	1.77E-07	0.00E+00	4.66E-07	5.31E-08	3.01E-08	0.00E+00	8.32E-08	2.96E-08	2.60E-08	0.00E+00	5.57E-08
639	481265.17	3767830.68	2.9068E-07	1.2107E-07	0.00E+00	4.12E-07	2.88E-07	1.76E-07	0.00E+00	4.64E-07	5.28E-08	3.00E-08	0.00E+00	8.28E-08	2.95E-08	2.59E-08	0.00E+00	5.54E-08
640	481274.34	3767826.94	2.8943E-07	1.2055E-07	0.00E+00	4.10E-07	2.86E-07	1.75E-07	0.00E+00	4.62E-07	5.26E-08	2.99E-08	0.00E+00	8.25E-08	2.94E-08	2.58E-08	0.00E+00	5.51E-08
641	481283.5	3767823.21	2.8831E-07	1.2008E-07	0.00E+00	4.08E-07	2.85E-07	1.75E-07	0.00E+00	4.60E-07	5.24E-08	2.98E-08	0.00E+00	8.21E-08	2.92E-08	2.57E-08	0.00E+00	5.49E-08
642	481292.66	3767819.47	2.873E-07	1.1966E-07	0.00E+00	4.07E-07	2.84E-07	1.74E-07	0.00E+00	4.58E-07	5.22E-08	2.97E-08	0.00E+00	8.19E-08	2.91E-08	2.56E-08	0.00E+00	5.47E-08
643	481301.83	3767815.74	2.864E-07	1.1929E-07	0.00E+00	4.06E-07	2.83E-07	1.74E-07	0.00E+00	4.57E-07	5.20E-08	2.96E-08	0.00E+00	8.16E-08	2.91E-08	2.55E-08	0.00E+00	5.46E-08
644	481310.99	3767812	2.856E-07	1.1895E-07	0.00E+00	4.05E-07	2.83E-07	1.73E-07	0.00E+00	4.56E-07	5.19E-08	2.95E-08	0.00E+00	8.14E-08	2.90E-08	2.54E-08	0.00E+00	5.44E-08
645	481320.16	3767808.27	2.8491E-07	1.1866E-07	0.00E+00	4.04E-07	2.82E-07	1.73E-07	0.00E+00	4.55E-07	5.18E-08	2.94E-08	0.00E+00	8.12E-08	2.89E-08	2.54E-08	0.00E+00	5.43E-08
646	481329.32	3767804.53	2.8432E-07	1.1842E-07	0.00E+00	4.03E-07	2.81E-07	1.72E-07	0.00E+00	4.54E-07	5.17E-08	2.93E-08	0.00E+00	8.10E-08	2.88E-08	2.53E-08	0.00E+00	5.42E-08
647	480867.83	3768088.83	6.6136E-07	2.7545E-07	0.00E+00	9.37E-07	6.54E-07	4.01E-07	0.00E+00	1.06E-06	1.20E-07	6.83E-08	0.00E+00	1.88E-07	6.71E-08	5.89E-08	0.00E+00	1.26E-07
648	480871.63	3768079.86	6.3344E-07	2.6382E-07	0.00E+00	8.97E-07	6.27E-07	3.84E-07	0.00E+00	1.01E-06	1.15E-07	6.54E-08	0.00E+00	1.80E-07	6.43E-08	5.64E-08	0.00E+00	1.21E-07
649	480875.44	3768070.88	6.0748E-07	2.5301E-07	0.00E+00	8.60E-07	6.01E-07	3.68E-07	0.00E+00	9.69E-07	1.10E-07	6.27E-08	0.00E+00	1.73E-07	6.16E-08	5.41E-08	0.00E+00	1.16E-07
650	480879.25	3768061.91	5.8337E-07	2.4297E-07	0.00E+00	8.26E-07	5.77E-07	3.54E-07	0.00E+00	9.31E-07	1.06E-07	6.02E-08	0.00E+00	1.66E-07	5.92E-08	5.20E-08	0.00E+00	1.11E-07
651	480883.05	3768052.94	0.000000561	2.3365E-07	0.00E+00	7.95E-07	5.55E-07	3.40E-07	0.00E+00	8.95E-07	1.02E-07	5.79E-08	0.00E+00	1.60E-07	5.69E-08	5.00E-08	0.00E+00	1.07E-07
652	480886.86	3768043.97	5.402E-07	2.2499E-07	0.00E+00	7.65E-07	5.35E-07	3.27E-07	0.00E+00	8.62E-07	9.82E-08	5.58E-08	0.00E+00	1.54E-07	5.48E-08	4.81E-08	0.00E+00	1.03E-07
653	480890.66	3768035	5.2074E-07	2.1688E-07	0.00E+00	7.38E-07	5.15E-07	3.16E-07	0.00E+00	8.31E-07	9.46E-08	5.37E-08	0.00E+00	1.48E-07	5.28E-08	4.64E-08	0.00E+00	9.92E-08
654	480894.47	3768026.03	5.0251E-07	2.0929E-07	0.00E+00	7.12E-07	4.97E-07	3.05E-07	0.00E+00	8.02E-07	9.13E-08	5.19E-08	0.00E+00	1.43E-07	5.10E-08	4.48E-08	0.00E+00	9.57E-08
655	480898.28	3768017.06	4.854E-07	2.0217E-07	0.00E+00	6.88E-07	4.80E-07	2.94E-07	0.00E+00	7.74E-07	8.82E-08	5.01E-08	0.00E+00	1.38E-07	4.92E-08	4.32E-08	0.00E+00	9.25E-08
656	480902.08	3768008.09	4.6931E-07	1.9547E-07	0.00E+00	6.65E-07	4.64E-07	2.84E-07	0.00E+00	7.49E-07	8.53E-08	4.84E-08	0.00E+00	1.34E-07	4.76E-08	4.18E-08	0.00E+00	8.94E-08
657	480905.89	3767999.12	4.5415E-07	1.8915E-07	0.00E+00	6.43E-07	4.49E-07	2.75E-07	0.00E+00	7.25E-07	8.25E-08	4.69E-08	0.00E+00	1.29E-07	4.61E-08	4.05E-08	0.00E+00	8.65E-08
658	480909.7	3767990.15	4.3982E-07	1.8318E-07	0.00E+00	6.23E-07	4.35E-07	2.67E-07	0.00E+00	7.02E-07	7.99E-08	4.54E-08	0.00E+00	1.25E-07	4.46E-08	3.92E-08	0.00E+00	8.38E-08
659	480913.5	3767981.18	4.2618E-07	1.775E-07	0.00E+00	6.04E-07	4.22E-07	2.58E-07	0.00E+00	6.80E-07	7.74E-08	4.40E-08	0.00E+00	1.21E-07	4.32E-08	3.80E-08	0.00E+00	8.12E-08
660	480917.31	3767972.21	4.1325E-07	1.7212E-07	0.00E+00	5.85E-07	4.09E-07	2.50E-07	0.00E+00	6.59E-07	7.51E-08	4.27E-08	0.00E+00	1.18E-07	4.19E-08	3.68E-08	0.00E+00	7.87E-08
661	480921.11	3767963.24	4.0095E-07	1.6699E-07	0.00E+00	5.68E-07	3.97E-07	2.43E-07	0.00E+00	6.40E-07	7.29E-08	4.14E-08	0.					

736	481047.83	3767859.38	0.00000296	1.2328E-07	0.00E+00	4.19E-07	2.93E-07	1.79E-07	0.00E+00	4.72E-07	5.38E-08	3.06E-08	0.00E+00	8.43E-08	3.00E-08	2.64E-08	0.00E+00	5.64E-08
737	481056.92	3767855.67	2.9317E-07	1.2211E-07	0.00E+00	4.15E-07	2.90E-07	1.76E-07	0.00E+00	4.68E-07	5.33E-08	3.03E-08	0.00E+00	8.35E-08	2.97E-08	2.61E-08	0.00E+00	5.59E-08
738	481066.01	3767851.97	2.9034E-07	1.2092E-07	0.00E+00	4.11E-07	2.87E-07	1.78E-07	0.00E+00	4.63E-07	5.28E-08	3.00E-08	0.00E+00	8.27E-08	2.95E-08	2.59E-08	0.00E+00	5.53E-08
739	481075.1	3767848.26	2.8752E-07	1.1975E-07	0.00E+00	4.07E-07	2.85E-07	1.74E-07	0.00E+00	4.59E-07	5.22E-08	2.97E-08	0.00E+00	8.19E-08	2.92E-08	2.56E-08	0.00E+00	5.48E-08
740	481084.19	3767844.55	2.8476E-07	1.186E-07	0.00E+00	4.03E-07	2.82E-07	1.73E-07	0.00E+00	4.54E-07	5.17E-08	2.94E-08	0.00E+00	8.11E-08	2.89E-08	2.54E-08	0.00E+00	5.43E-08
741	481093.29	3767840.85	2.821E-07	1.1749E-07	0.00E+00	4.00E-07	2.79E-07	1.71E-07	0.00E+00	4.50E-07	5.13E-08	2.91E-08	0.00E+00	8.04E-08	2.86E-08	2.51E-08	0.00E+00	5.37E-08
742	481102.38	3767837.14	2.7955E-07	1.1643E-07	0.00E+00	3.96E-07	2.77E-07	1.69E-07	0.00E+00	4.46E-07	5.08E-08	2.89E-08	0.00E+00	7.96E-08	2.84E-08	2.49E-08	0.00E+00	5.33E-08
743	481111.47	3767833.44	2.771E-07	1.1541E-07	0.00E+00	3.93E-07	2.74E-07	1.68E-07	0.00E+00	4.42E-07	5.03E-08	2.86E-08	0.00E+00	7.90E-08	2.81E-08	2.47E-08	0.00E+00	5.28E-08
744	481120.56	3767829.73	2.7471E-07	1.1442E-07	0.00E+00	3.89E-07	2.72E-07	1.66E-07	0.00E+00	4.38E-07	4.99E-08	2.84E-08	0.00E+00	7.83E-08	2.79E-08	2.45E-08	0.00E+00	5.23E-08
745	481156.92	3767814.91	2.6578E-07	1.1069E-07	0.00E+00	3.76E-07	2.63E-07	1.61E-07	0.00E+00	4.24E-07	4.83E-08	2.74E-08	0.00E+00	7.57E-08	2.70E-08	2.37E-08	0.00E+00	5.06E-08
746	481166.01	3767811.2	2.6377E-07	1.0986E-07	0.00E+00	3.74E-07	2.61E-07	1.60E-07	0.00E+00	4.21E-07	4.79E-08	2.72E-08	0.00E+00	7.52E-08	2.68E-08	2.35E-08	0.00E+00	5.03E-08
747	481175.1	3767807.5	2.6186E-07	1.0906E-07	0.00E+00	3.71E-07	2.59E-07	1.59E-07	0.00E+00	4.18E-07	4.76E-08	2.70E-08	0.00E+00	7.46E-08	2.66E-08	2.33E-08	0.00E+00	4.99E-08
748	481184.19	3767803.79	2.6005E-07	1.0831E-07	0.00E+00	3.68E-07	2.57E-07	1.58E-07	0.00E+00	4.15E-07	4.73E-08	2.68E-08	0.00E+00	7.41E-08	2.64E-08	2.32E-08	0.00E+00	4.95E-08
749	481193.28	3767800.09	2.5834E-07	1.076E-07	0.00E+00	3.66E-07	2.56E-07	1.57E-07	0.00E+00	4.12E-07	4.69E-08	2.67E-08	0.00E+00	7.36E-08	2.62E-08	2.30E-08	0.00E+00	4.92E-08
750	481202.37	3767796.38	2.5672E-07	1.0692E-07	0.00E+00	3.64E-07	2.54E-07	1.56E-07	0.00E+00	4.10E-07	4.66E-08	2.65E-08	0.00E+00	7.31E-08	2.60E-08	2.29E-08	0.00E+00	4.89E-08
751	481211.46	3767792.67	2.5521E-07	1.063E-07	0.00E+00	3.62E-07	2.53E-07	1.55E-07	0.00E+00	4.07E-07	4.64E-08	2.63E-08	0.00E+00	7.27E-08	2.59E-08	2.27E-08	0.00E+00	4.86E-08
752	481220.55	3767788.97	2.5382E-07	1.0571E-07	0.00E+00	3.60E-07	2.51E-07	1.54E-07	0.00E+00	4.05E-07	4.61E-08	2.62E-08	0.00E+00	7.23E-08	2.57E-08	2.26E-08	0.00E+00	4.84E-08
753	481229.65	3767785.26	2.525E-07	1.0517E-07	0.00E+00	3.58E-07	2.50E-07	1.53E-07	0.00E+00	4.03E-07	4.59E-08	2.61E-08	0.00E+00	7.19E-08	2.56E-08	2.25E-08	0.00E+00	4.81E-08
754	481238.74	3767781.56	2.5128E-07	1.0466E-07	0.00E+00	3.56E-07	2.49E-07	1.52E-07	0.00E+00	4.01E-07	4.57E-08	2.59E-08	0.00E+00	7.16E-08	2.55E-08	2.24E-08	0.00E+00	4.79E-08
755	481247.83	3767777.85	2.5014E-07	1.0418E-07	0.00E+00	3.54E-07	2.48E-07	1.52E-07	0.00E+00	3.99E-07	4.55E-08	2.58E-08	0.00E+00	7.13E-08	2.54E-08	2.23E-08	0.00E+00	4.77E-08
756	481256.92	3767774.15	2.4911E-07	1.0375E-07	0.00E+00	3.53E-07	2.47E-07	1.51E-07	0.00E+00	3.97E-07	4.53E-08	2.57E-08	0.00E+00	7.10E-08	2.53E-08	2.22E-08	0.00E+00	4.75E-08
757	481266.01	3767770.44	2.4817E-07	1.0336E-07	0.00E+00	3.52E-07	2.46E-07	1.50E-07	0.00E+00	3.96E-07	4.51E-08	2.56E-08	0.00E+00	7.07E-08	2.52E-08	2.21E-08	0.00E+00	4.73E-08
758	481275.1	3767766.74	2.4733E-07	1.0301E-07	0.00E+00	3.50E-07	2.45E-07	1.50E-07	0.00E+00	3.95E-07	4.49E-08	2.55E-08	0.00E+00	7.05E-08	2.51E-08	2.20E-08	0.00E+00	4.71E-08
759	481284.19	3767763.03	2.4657E-07	1.0269E-07	0.00E+00	3.49E-07	2.44E-07	1.49E-07	0.00E+00	3.93E-07	4.48E-08	2.54E-08	0.00E+00	7.03E-08	2.50E-08	2.20E-08	0.00E+00	4.70E-08
760	481293.28	3767759.32	2.4588E-07	1.0241E-07	0.00E+00	3.48E-07	2.43E-07	1.49E-07	0.00E+00	3.92E-07	4.47E-08	2.54E-08	0.00E+00	7.01E-08	2.49E-08	2.19E-08	0.00E+00	4.68E-08
761	481302.37	3767755.62	2.4528E-07	1.0216E-07	0.00E+00	3.47E-07	2.43E-07	1.49E-07	0.00E+00	3.91E-07	4.46E-08	2.53E-08	0.00E+00	6.99E-08	2.49E-08	2.19E-08	0.00E+00	4.67E-08
762	481311.46	3767751.91	2.4475E-07	1.0194E-07	0.00E+00	3.47E-07	2.42E-07	1.48E-07	0.00E+00	3.91E-07	4.45E-08	2.53E-08	0.00E+00	6.97E-08	2.48E-08	2.18E-08	0.00E+00	4.66E-08
763	481320.55	3767748.21	2.4429E-07	1.0175E-07	0.00E+00	3.46E-07	2.42E-07	1.48E-07	0.00E+00	3.90E-07	4.44E-08	2.52E-08	0.00E+00	6.96E-08	2.48E-08	2.18E-08	0.00E+00	4.65E-08
764	481329.64	3767744.5	2.439E-07	1.0158E-07	0.00E+00	3.45E-07	2.41E-07	1.48E-07	0.00E+00	3.89E-07	4.43E-08	2.52E-08	0.00E+00	6.95E-08	2.47E-08	2.17E-08	0.00E+00	4.65E-08
765	481335.45	3768228.72	2.2893E-06	9.5348E-07	0.00E+00	3.24E-06	2.27E-06	1.39E-06	0.00E+00	3.65E-06	4.16E-07	2.36E-07	0.00E+00	6.52E-07	2.32E-07	2.04E-07	0.00E+00	4.36E-07
766	481210.67	3768218.75	1.8534E-06	7.7193E-07	0.00E+00	2.63E-06	1.83E-06	1.12E-06	0.00E+00	2.96E-06	3.37E-07	1.91E-07	0.00E+00	5.28E-07	1.88E-07	1.65E-07	0.00E+00	3.53E-07
767	481191.49	3768199.05	1.5297E-06	6.3709E-07	0.00E+00	2.17E-06	1.51E-06	9.27E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.91E-07
768	481181.9	3768189.2	1.4015E-06	5.8372E-07	0.00E+00	1.99E-06	1.39E-06	8.49E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	3.99E-07	1.42E-07	1.25E-07	0.00E+00	2.67E-07
769	481162.73	3768169.51	0.000001195	4.9771E-07	0.00E+00	1.69E-06	1.18E-06	7.24E-07	0.00E+00	1.91E-06	2.17E-07	1.23E-07	0.00E+00	3.40E-07	1.21E-07	1.06E-07	0.00E+00	2.28E-07
770	481143.59	3768109.97	8.1079E-07	3.3769E-07	0.00E+00	1.15E-06	8.02E-07	4.91E-07	0.00E+00	1.29E-06	1.47E-07	8.37E-08	0.00E+00	2.31E-07	8.22E-08	7.22E-08	0.00E+00	1.54E-07
771	481210.81	3768080.04	7.1026E-07	2.9582E-07	0.00E+00	1.01E-06	7.03E-07	4.30E-07	0.00E+00	1.13E-06	1.29E-07	7.33E-08	0.00E+00	2.02E-07	7.20E-08	6.33E-08	0.00E+00	1.35E-07
772	481201.21	3768080.03	7.0706E-07	2.9449E-07	0.00E+00	1.00E-06	7.00E-07	4.29E-07	0.00E+00	1.13E-06	1.28E-07	7.30E-08	0.00E+00	2.01E-07	7.17E-08	6.30E-08	0.00E+00	1.35E-07
773	481191.62	3768080.02	7.0402E-07	2.9322E-07	0.00E+00	9.97E-07	6.97E-07	4.27E-07	0.00E+00	1.12E-06	1.28E-07	7.27E-08	0.00E+00	2.01E-07	7.14E-08	6.27E-08	0.00E+00	1.34E-07
774	481287.64	3768050.12	6.4601E-07	2.6906E-07	0.00E+00	9.15E-07	6.39E-07	3.92E-07	0.00E+00	1.03E-06	1.17E-07	6.67E-08	0.00E+00	1.84E-07	6.55E-08	5.76E-08	0.00E+00	1.23E-07
775	481278.04	3768050.11	6.4064E-07	2.6682E-07	0.00E+00	9.07E-07	6.34E-07	3.88E-07	0.00E+00	1.02E-06	1.16E-07	6.61E-08	0.00E+00	1.83E-07	6.50E-08	5.71E-08	0.00E+00	1.22E-07
776	481268.44	3768050.1	6.3572E-07	2.6477E-07	0.00E+00	9.00E-07	6.29E-07	3.85E-07	0.00E+00	1.01E-06	1.16E-07	6.56E-08	0.00E+00	1.81E-07	6.45E-08	5.66E-08	0.00E+00	1.21E-07
777	481220.44	3768050.05	6.1686E-07	2.5692E-07	0.00E+00	8.74E-07	6.10E-07	3.74E-07	0.00E+00	9.84E-07	1.12E-07	6.37E-08	0.00E+00	1.76E-07	6.26E-08	5.50E-08	0.00E+00	1.18E-07
778	481210.84	3768050.04	6.1397E-07	2.5572E-07	0.00E+00	8.70E-07	6.08E-07	3.72E-07	0.00E+00	9.80E-07	1.12E-07	6.34E-08	0.00E+00	1.75E-07	6.23E-08	5.47E-08	0.00E+00	1.17E-07
779	481201.25	3768050.03	6.1153E-07	2.547E-07	0.00E+00	8.66E-07	6.05E-07	3.71E-07	0.00E+00	9.76E-07	1.11E-07	6.31E-08	0.00E+00	1.74E-07	6.20E-08	5.45E-08	0.00E+00	1.17E-07
780	481191.65	3768050.02	6.093E-07	2.5377E-07	0.00E+00	8.63E-07	6.03E-07	3.69E-07	0.00E+00	9.72E-07	1.11E-07	6.29E-08	0.00E+00	1.74E-07	6.18E-08	5.43E-08	0.00E+00	1.16E-07
781	481335.66	3768020.17	5.9459E-07	2.4765E-07	0.00E+00	8.42E-07	5.88E-07	3.60E-07	0.00E+00	9.49E-07	1.08E-07	6.14E-08	0.00E+00	1.69E-07	6.03E-08	5.30E-08	0.00E+00	1.13E-07
782	481287.67	3768020.12	5.652E-07	2.354E-07	0.00E+00	8.01E-07	5.59E-07	3.43E-07	0.00E+00	9.02E-07	1.03E-07	5.83E-08	0.00E+00	1.61E-07	5.73E-08	5.04E-08	0.00E+00	1.08E-07
783	481278.07	3768020.11	5.6065E-07	2.3351E-07	0.00E+00	7.94E-07	5.55E-07	3.40E-07	0.00E+00	8.95E-07	1.02E-07	5.79E-08	0.00E+00	1.60E-07	5.69E-08	5.00E-08	0.00E+00	1.07E-07
784	481268.47	3768020.1	5.5648E-07	2.3177E-07	0.00E+00	7.88E-07	5.51E-07	3.37E-07	0.00E+00	8.88E-07	1.01E-07	5.74E-08						

859	481078.26	3768016.78	5.1083E-07	2.1276E-07	0.00E+00	7.24E-07	5.05E-07	3.10E-07	0.00E+00	8.15E-07	9.28E-08	5.27E-08	0.00E+00	1.46E-07	5.18E-08	4.55E-08	0.00E+00	9.73E-08
860	481092.8	3768010.82	5.0025E-07	2.0835E-07	0.00E+00	7.09E-07	4.95E-07	3.03E-07	0.00E+00	7.98E-07	9.09E-08	5.16E-08	0.00E+00	1.43E-07	5.07E-08	4.46E-08	0.00E+00	9.53E-08
861	481107.35	3768004.87	0.00000049	2.0408E-07	0.00E+00	6.94E-07	4.85E-07	2.97E-07	0.00E+00	7.82E-07	8.90E-08	5.06E-08	0.00E+00	1.40E-07	4.97E-08	4.37E-08	0.00E+00	9.34E-08
862	481121.9	3767998.91	4.8005E-07	1.9994E-07	0.00E+00	6.80E-07	4.75E-07	2.91E-07	0.00E+00	7.66E-07	8.72E-08	4.96E-08	0.00E+00	1.37E-07	4.87E-08	4.28E-08	0.00E+00	9.15E-08
863	480809.9	3768096.72	6.7215E-07	2.7995E-07	0.00E+00	9.52E-07	6.65E-07	4.07E-07	0.00E+00	1.07E-06	1.22E-07	6.94E-08	0.00E+00	1.92E-07	6.82E-08	5.99E-08	0.00E+00	1.23E-07
864	480824.41	3768090.77	6.5609E-07	2.7326E-07	0.00E+00	9.29E-07	6.49E-07	3.98E-07	0.00E+00	1.05E-06	1.19E-07	6.77E-08	0.00E+00	1.87E-07	6.66E-08	5.85E-08	0.00E+00	1.25E-07
865	480853.44	3768078.88	6.2632E-07	2.6086E-07	0.00E+00	8.87E-07	6.20E-07	3.80E-07	0.00E+00	9.99E-07	1.14E-07	6.46E-08	0.00E+00	1.78E-07	6.35E-08	5.58E-08	0.00E+00	1.19E-07
866	480889.73	3768064.02	5.9132E-07	2.4628E-07	0.00E+00	8.38E-07	5.85E-07	3.58E-07	0.00E+00	9.43E-07	1.07E-07	6.10E-08	0.00E+00	1.68E-07	6.00E-08	5.27E-08	0.00E+00	1.13E-07
867	480926.02	3768049.15	5.6043E-07	2.3341E-07	0.00E+00	7.94E-07	5.55E-07	3.40E-07	0.00E+00	8.94E-07	1.02E-07	5.78E-08	0.00E+00	1.60E-07	5.68E-08	4.99E-08	0.00E+00	1.07E-07
868	480962.31	3768034.29	5.3169E-07	2.2144E-07	0.00E+00	7.53E-07	5.26E-07	3.22E-07	0.00E+00	8.48E-07	9.66E-08	5.49E-08	0.00E+00	1.51E-07	5.39E-08	4.74E-08	0.00E+00	1.01E-07
869	480998.59	3768019.43	5.0526E-07	2.1044E-07	0.00E+00	7.16E-07	5.00E-07	3.06E-07	0.00E+00	8.06E-07	9.18E-08	5.22E-08	0.00E+00	1.44E-07	5.13E-08	4.50E-08	0.00E+00	9.63E-08
870	481013.11	3768013.48	4.9567E-07	2.0644E-07	0.00E+00	7.02E-07	4.90E-07	3.00E-07	0.00E+00	7.91E-07	9.01E-08	5.12E-08	0.00E+00	1.41E-07	5.03E-08	4.42E-08	0.00E+00	9.44E-08
871	481027.62	3768007.54	4.8628E-07	2.0253E-07	0.00E+00	6.89E-07	4.81E-07	2.95E-07	0.00E+00	7.76E-07	8.84E-08	5.02E-08	0.00E+00	1.39E-07	4.93E-08	4.33E-08	0.00E+00	9.27E-08
872	481042.14	3768001.59	4.7675E-07	1.9856E-07	0.00E+00	6.75E-07	4.72E-07	2.89E-07	0.00E+00	7.61E-07	8.66E-08	4.92E-08	0.00E+00	1.36E-07	4.84E-08	4.25E-08	0.00E+00	9.08E-08
873	481056.65	3767995.64	4.6739E-07	1.9467E-07	0.00E+00	6.62E-07	4.63E-07	2.83E-07	0.00E+00	7.46E-07	8.49E-08	4.82E-08	0.00E+00	1.33E-07	4.74E-08	4.16E-08	0.00E+00	8.91E-08
874	481071.17	3767989.7	4.5826E-07	1.9086E-07	0.00E+00	6.49E-07	4.53E-07	2.78E-07	0.00E+00	7.31E-07	8.33E-08	4.73E-08	0.00E+00	1.31E-07	4.65E-08	4.08E-08	0.00E+00	8.73E-08
875	481085.69	3767983.75	4.494E-07	1.8717E-07	0.00E+00	6.37E-07	4.45E-07	2.72E-07	0.00E+00	7.17E-07	8.17E-08	4.64E-08	0.00E+00	1.28E-07	4.56E-08	4.00E-08	0.00E+00	8.56E-08
876	481100.2	3767977.81	4.4086E-07	1.8362E-07	0.00E+00	6.24E-07	4.36E-07	2.67E-07	0.00E+00	7.03E-07	8.01E-08	4.55E-08	0.00E+00	1.26E-07	4.47E-08	3.93E-08	0.00E+00	8.40E-08
877	481114.72	3767971.86	4.3255E-07	1.8016E-07	0.00E+00	6.13E-07	4.28E-07	2.62E-07	0.00E+00	6.90E-07	7.86E-08	4.46E-08	0.00E+00	1.23E-07	4.39E-08	3.85E-08	0.00E+00	8.24E-08
878	481129.23	3767965.92	4.2439E-07	1.7676E-07	0.00E+00	6.01E-07	4.20E-07	2.57E-07	0.00E+00	6.77E-07	7.71E-08	4.38E-08	0.00E+00	1.21E-07	4.30E-08	3.78E-08	0.00E+00	8.09E-08
879	480772.38	3768099.94	6.7219E-07	2.7996E-07	0.00E+00	9.52E-07	6.65E-07	4.07E-07	0.00E+00	1.07E-06	1.22E-07	6.94E-08	0.00E+00	1.92E-07	6.82E-08	5.99E-08	0.00E+00	1.28E-07
880	480778.51	3768085.54	6.2738E-07	2.613E-07	0.00E+00	8.89E-07	6.21E-07	3.80E-07	0.00E+00	1.00E-06	1.14E-07	6.48E-08	0.00E+00	1.79E-07	6.36E-08	5.59E-08	0.00E+00	1.20E-07
881	480788.82	3768075.37	6.0016E-07	2.4996E-07	0.00E+00	8.50E-07	5.94E-07	3.64E-07	0.00E+00	9.58E-07	1.09E-07	6.19E-08	0.00E+00	1.71E-07	6.09E-08	5.35E-08	0.00E+00	1.14E-07
882	480803.31	3768069.43	5.8696E-07	2.4447E-07	0.00E+00	8.31E-07	5.81E-07	3.56E-07	0.00E+00	9.37E-07	1.07E-07	6.06E-08	0.00E+00	1.67E-07	5.95E-08	5.23E-08	0.00E+00	1.12E-07
883	480817.79	3768063.5	5.7443E-07	2.3925E-07	0.00E+00	8.14E-07	5.68E-07	3.48E-07	0.00E+00	9.17E-07	1.04E-07	5.93E-08	0.00E+00	1.64E-07	5.83E-08	5.12E-08	0.00E+00	1.09E-07
884	480832.28	3768057.56	5.6242E-07	2.3425E-07	0.00E+00	7.97E-07	5.57E-07	3.41E-07	0.00E+00	8.97E-07	1.02E-07	5.81E-08	0.00E+00	1.60E-07	5.71E-08	5.01E-08	0.00E+00	1.07E-07
885	480868.5	3768042.73	5.3379E-07	2.2232E-07	0.00E+00	7.56E-07	5.28E-07	3.23E-07	0.00E+00	8.52E-07	9.70E-08	5.51E-08	0.00E+00	1.52E-07	5.41E-08	4.76E-08	0.00E+00	1.02E-07
886	480904.72	3768027.89	5.0834E-07	2.1172E-07	0.00E+00	7.20E-07	5.03E-07	3.08E-07	0.00E+00	8.11E-07	9.24E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.69E-08
887	480940.94	3768013.05	4.8449E-07	2.0179E-07	0.00E+00	6.86E-07	4.79E-07	2.94E-07	0.00E+00	7.73E-07	8.80E-08	5.00E-08	0.00E+00	1.38E-07	4.91E-08	4.32E-08	0.00E+00	9.23E-08
888	480977.16	3767998.22	4.6232E-07	1.9255E-07	0.00E+00	6.55E-07	4.57E-07	2.80E-07	0.00E+00	7.38E-07	8.40E-08	4.77E-08	0.00E+00	1.32E-07	4.69E-08	4.12E-08	0.00E+00	8.81E-08
889	480991.65	3767992.28	4.5409E-07	1.8913E-07	0.00E+00	6.43E-07	4.49E-07	2.75E-07	0.00E+00	7.25E-07	8.25E-08	4.69E-08	0.00E+00	1.29E-07	4.61E-08	4.05E-08	0.00E+00	8.65E-08
890	481006.14	3767986.35	4.4602E-07	1.8576E-07	0.00E+00	6.32E-07	4.41E-07	2.70E-07	0.00E+00	7.12E-07	8.10E-08	4.60E-08	0.00E+00	1.27E-07	4.52E-08	3.97E-08	0.00E+00	8.50E-08
891	481020.63	3767980.41	4.3777E-07	1.8233E-07	0.00E+00	6.20E-07	4.33E-07	2.65E-07	0.00E+00	6.98E-07	7.95E-08	4.52E-08	0.00E+00	1.25E-07	4.44E-08	3.90E-08	0.00E+00	8.34E-08
892	481035.12	3767974.48	4.2973E-07	1.7898E-07	0.00E+00	6.09E-07	4.25E-07	2.60E-07	0.00E+00	6.86E-07	7.81E-08	4.44E-08	0.00E+00	1.22E-07	4.36E-08	3.83E-08	0.00E+00	8.19E-08
893	481049.6	3767968.55	4.2201E-07	1.7576E-07	0.00E+00	5.98E-07	4.18E-07	2.56E-07	0.00E+00	6.73E-07	7.67E-08	4.36E-08	0.00E+00	1.20E-07	4.28E-08	3.76E-08	0.00E+00	8.04E-08
894	481064.09	3767962.61	4.1444E-07	1.7261E-07	0.00E+00	5.87E-07	4.10E-07	2.51E-07	0.00E+00	6.61E-07	7.53E-08	4.28E-08	0.00E+00	1.18E-07	4.20E-08	3.69E-08	0.00E+00	7.90E-08
895	481078.58	3767956.68	4.0692E-07	1.6948E-07	0.00E+00	5.76E-07	4.03E-07	2.47E-07	0.00E+00	6.49E-07	7.39E-08	4.20E-08	0.00E+00	1.16E-07	4.13E-08	3.63E-08	0.00E+00	7.75E-08
896	481093.07	3767950.74	3.9945E-07	1.6637E-07	0.00E+00	5.66E-07	3.95E-07	2.42E-07	0.00E+00	6.37E-07	7.26E-08	4.12E-08	0.00E+00	1.14E-07	4.05E-08	3.56E-08	0.00E+00	7.61E-08
897	480723.78	3768143.27	8.2584E-07	3.4396E-07	0.00E+00	1.17E-06	8.17E-07	5.00E-07	0.00E+00	1.32E-06	1.50E-07	8.52E-08	0.00E+00	2.35E-07	8.38E-08	7.36E-08	0.00E+00	1.57E-07
898	480754.38	3768071.36	5.8017E-07	2.4164E-07	0.00E+00	8.22E-07	5.74E-07	3.52E-07	0.00E+00	9.26E-07	1.05E-07	5.99E-08	0.00E+00	1.65E-07	5.89E-08	5.17E-08	0.00E+00	1.11E-07
899	480767.74	3768054.01	5.3944E-07	2.2467E-07	0.00E+00	7.64E-07	5.34E-07	3.27E-07	0.00E+00	8.61E-07	9.80E-08	5.57E-08	0.00E+00	1.54E-07	5.47E-08	4.81E-08	0.00E+00	1.03E-07
900	480782.2	3768048.09	5.2886E-07	2.2027E-07	0.00E+00	7.49E-07	5.23E-07	3.21E-07	0.00E+00	8.44E-07	9.61E-08	5.46E-08	0.00E+00	1.51E-07	5.36E-08	4.71E-08	0.00E+00	1.01E-07
901	480796.67	3768042.16	5.1865E-07	2.1602E-07	0.00E+00	7.35E-07	5.13E-07	3.14E-07	0.00E+00	8.28E-07	9.42E-08	5.35E-08	0.00E+00	1.48E-07	5.26E-08	4.62E-08	0.00E+00	9.88E-08
902	480811.13	3768036.24	5.0884E-07	2.1193E-07	0.00E+00	7.21E-07	5.04E-07	3.08E-07	0.00E+00	8.12E-07	9.25E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.70E-08
903	480825.59	3768030.32	4.9924E-07	2.0793E-07	0.00E+00	7.07E-07	4.94E-07	3.03E-07	0.00E+00	7.97E-07	9.07E-08	5.15E-08	0.00E+00	1.42E-07	5.06E-08	4.45E-08	0.00E+00	9.51E-08
904	480840.06	3768024.39	4.8976E-07	2.0398E-07	0.00E+00	6.94E-07	4.85E-07	2.97E-07	0.00E+00	7.81E-07	8.90E-08	5.06E-08	0.00E+00	1.40E-07	4.97E-08	4.36E-08	0.00E+00	9.33E-08
905	480854.52	3768018.47	4.8064E-07	2.0018E-07	0.00E+00	6.81E-07	4.76E-07	2.91E-07	0.00E+00	7.67E-07	8.73E-08	4.96E-08	0.00E+00	1.37E-07	4.88E-08	4.28E-08	0.00E+00	9.16E-08
906	480883.45	3768006.62	4.634E-07	0.000000193	0.00E+00	6.56E-07	4.59E-07	2.81E-07	0.00E+00	7.39E-07	8.42E-08	4.78E-08	0.00E+00	1.32E-07	4.70E-08	4.13E-08	0.00E+00	8.83E-08
907	480919.61	3767991.8	4.4385E-07	1.8486E-07	0.00E+00	6.29E-07	4.39E-07	2.69E-07	0.00E+00	7.08E-07	8.06E-08	4.5						

982	481065.85	3768991.57	0.000001077	4.4858E-07	0.00E+00	1.53E-06	1.07E-06	6.53E-07	0.00E+00	1.72E-06	1.96E-07	1.11E-07	0.00E+00	3.07E-07	1.09E-07	9.60E-08	0.00E+00	2.05E-07
983	481038.91	3769014.74	1.0198E-06	4.2476E-07	0.00E+00	1.44E-06	1.01E-06	6.18E-07	0.00E+00	1.63E-06	1.85E-07	1.05E-07	0.00E+00	2.91E-07	1.03E-07	9.09E-08	0.00E+00	1.94E-07
984	481048.01	3769017.51	9.814E-07	4.0875E-07	0.00E+00	1.39E-06	9.71E-07	5.95E-07	0.00E+00	1.57E-06	1.78E-07	1.01E-07	0.00E+00	2.80E-07	9.96E-08	8.74E-08	0.00E+00	1.87E-07
985	481057.12	3769020.28	9.4473E-07	3.9348E-07	0.00E+00	1.34E-06	9.35E-07	5.73E-07	0.00E+00	1.51E-06	1.72E-07	9.75E-08	0.00E+00	2.69E-07	9.58E-08	8.42E-08	0.00E+00	1.80E-07
986	481039.29	3769046.21	8.6626E-07	3.608E-07	0.00E+00	1.23E-06	8.57E-07	5.25E-07	0.00E+00	1.38E-06	1.57E-07	8.94E-08	0.00E+00	2.47E-07	8.79E-08	7.72E-08	0.00E+00	1.65E-07
987	481048.39	3769048.98	8.358E-07	3.4811E-07	0.00E+00	1.18E-06	8.27E-07	5.07E-07	0.00E+00	1.33E-06	1.52E-07	8.63E-08	0.00E+00	2.38E-07	8.48E-08	7.45E-08	0.00E+00	1.59E-07
988	481086.82	3768966.98	1.1675E-06	4.8625E-07	0.00E+00	1.65E-06	1.16E-06	7.08E-07	0.00E+00	1.86E-06	2.12E-07	1.21E-07	0.00E+00	3.33E-07	1.18E-07	1.04E-07	0.00E+00	2.22E-07
989	481100.17	3768971.1	1.0975E-06	4.5712E-07	0.00E+00	1.55E-06	1.09E-06	6.65E-07	0.00E+00	1.75E-06	1.99E-07	1.13E-07	0.00E+00	3.13E-07	1.11E-07	9.78E-08	0.00E+00	2.09E-07
990	481077.77	3768995.57	0.00000102	4.2482E-07	0.00E+00	1.44E-06	1.01E-06	6.18E-07	0.00E+00	1.63E-06	1.85E-07	1.05E-07	0.00E+00	2.91E-07	1.03E-07	9.09E-08	0.00E+00	1.94E-07
991	481091.45	3768999.81	9.6104E-07	4.0027E-07	0.00E+00	1.36E-06	9.51E-07	5.82E-07	0.00E+00	1.53E-06	1.75E-07	9.92E-08	0.00E+00	2.74E-07	9.75E-08	8.56E-08	0.00E+00	1.83E-07
992	481068.71	3769024.17	8.9892E-07	3.744E-07	0.00E+00	1.27E-06	8.90E-07	5.45E-07	0.00E+00	1.43E-06	1.63E-07	9.28E-08	0.00E+00	2.56E-07	9.12E-08	8.01E-08	0.00E+00	1.71E-07
993	481082.73	3769028.51	8.4905E-07	3.5363E-07	0.00E+00	1.20E-06	8.40E-07	5.15E-07	0.00E+00	1.35E-06	1.54E-07	8.76E-08	0.00E+00	2.42E-07	8.61E-08	7.56E-08	0.00E+00	1.62E-07
994	481059.66	3769052.77	7.9872E-07	3.3266E-07	0.00E+00	1.13E-06	7.90E-07	4.84E-07	0.00E+00	1.27E-06	1.45E-07	8.24E-08	0.00E+00	2.28E-07	8.10E-08	7.12E-08	0.00E+00	1.52E-07
995	481074.01	3769057.22	7.5622E-07	3.1496E-07	0.00E+00	1.07E-06	7.48E-07	4.58E-07	0.00E+00	1.21E-06	1.37E-07	7.81E-08	0.00E+00	2.15E-07	7.67E-08	6.74E-08	0.00E+00	1.44E-07
996	481113.5	3768975.08	1.0338E-06	4.3055E-07	0.00E+00	1.46E-06	1.02E-06	6.26E-07	0.00E+00	1.65E-06	1.88E-07	1.07E-07	0.00E+00	2.95E-07	1.05E-07	9.21E-08	0.00E+00	1.97E-07
997	481105.12	3769003.88	9.0736E-07	3.7791E-07	0.00E+00	1.29E-06	8.98E-07	5.50E-07	0.00E+00	1.45E-06	1.65E-07	9.37E-08	0.00E+00	2.59E-07	9.20E-08	8.08E-08	0.00E+00	1.73E-07
998	481118.78	3769007.76	8.5873E-07	3.5766E-07	0.00E+00	1.22E-06	8.50E-07	5.20E-07	0.00E+00	1.37E-06	1.56E-07	8.86E-08	0.00E+00	2.45E-07	8.71E-08	7.65E-08	0.00E+00	1.64E-07
999	481096.73	3769032.69	8.0375E-07	3.3476E-07	0.00E+00	1.14E-06	7.95E-07	4.87E-07	0.00E+00	1.28E-06	1.46E-07	8.30E-08	0.00E+00	2.29E-07	8.15E-08	7.16E-08	0.00E+00	1.53E-07
1000	481110.74	3769036.66	7.628E-07	3.177E-07	0.00E+00	1.08E-06	7.55E-07	4.62E-07	0.00E+00	1.22E-06	1.39E-07	7.87E-08	0.00E+00	2.17E-07	7.74E-08	6.80E-08	0.00E+00	1.45E-07
1001	481517.34	3768238.32	4.5282E-06	0.000001886	0.00E+00	6.41E-06	4.48E-06	2.74E-06	0.00E+00	7.23E-06	8.23E-07	4.67E-07	0.00E+00	1.29E-06	4.59E-07	4.03E-07	0.00E+00	8.63E-07
1002	481507.83	3768238.28	4.4239E-06	1.8425E-06	0.00E+00	6.27E-06	4.38E-06	2.68E-06	0.00E+00	7.06E-06	8.04E-07	4.57E-07	0.00E+00	1.26E-06	4.49E-07	3.94E-07	0.00E+00	8.43E-07
1003	481498.32	3768238.24	4.3192E-06	1.7989E-06	0.00E+00	6.12E-06	4.27E-06	2.62E-06	0.00E+00	6.89E-06	7.85E-07	4.46E-07	0.00E+00	1.23E-06	4.38E-07	3.85E-07	0.00E+00	8.23E-07
1004	481488.81	3768238.2	4.2078E-06	1.7525E-06	0.00E+00	5.96E-06	4.16E-06	2.55E-06	0.00E+00	6.71E-06	7.65E-07	4.34E-07	0.00E+00	1.20E-06	4.27E-07	3.75E-07	0.00E+00	8.02E-07
1005	481479.3	3768238.16	4.0917E-06	1.7042E-06	0.00E+00	5.80E-06	4.05E-06	2.48E-06	0.00E+00	6.53E-06	7.43E-07	4.22E-07	0.00E+00	1.17E-06	4.15E-07	3.65E-07	0.00E+00	7.80E-07
1006	481469.8	3768238.12	3.9609E-06	1.6497E-06	0.00E+00	5.61E-06	3.92E-06	2.40E-06	0.00E+00	6.32E-06	7.20E-07	4.09E-07	0.00E+00	1.13E-06	4.02E-07	3.53E-07	0.00E+00	7.55E-07
1007	481460.29	3768238.08	3.8275E-06	1.5941E-06	0.00E+00	5.42E-06	3.79E-06	2.32E-06	0.00E+00	6.11E-06	6.95E-07	3.95E-07	0.00E+00	1.09E-06	3.88E-07	3.41E-07	0.00E+00	7.29E-07
1008	481450.78	3768238.04	3.6934E-06	1.5383E-06	0.00E+00	5.23E-06	3.65E-06	2.24E-06	0.00E+00	5.89E-06	6.71E-07	3.81E-07	0.00E+00	1.05E-06	3.75E-07	3.29E-07	0.00E+00	7.04E-07
1009	481441.27	3768238	3.5602E-06	1.4828E-06	0.00E+00	5.04E-06	3.52E-06	2.16E-06	0.00E+00	5.68E-06	6.47E-07	3.67E-07	0.00E+00	1.01E-06	3.61E-07	3.17E-07	0.00E+00	6.78E-07
1010	481431.76	3768237.96	3.4294E-06	1.4283E-06	0.00E+00	4.86E-06	3.39E-06	2.08E-06	0.00E+00	5.47E-06	6.23E-07	3.54E-07	0.00E+00	9.77E-07	3.48E-07	3.06E-07	0.00E+00	6.53E-07
1011	481422.25	3768237.92	3.3026E-06	1.3755E-06	0.00E+00	4.68E-06	3.27E-06	2.00E-06	0.00E+00	5.27E-06	6.00E-07	3.41E-07	0.00E+00	9.41E-07	3.35E-07	2.94E-07	0.00E+00	6.29E-07
1012	481412.74	3768237.88	3.1817E-06	1.3251E-06	0.00E+00	4.51E-06	3.15E-06	1.93E-06	0.00E+00	5.08E-06	5.78E-07	3.28E-07	0.00E+00	9.07E-07	3.23E-07	2.83E-07	0.00E+00	6.06E-07
1013	481403.23	3768237.84	3.0678E-06	1.2777E-06	0.00E+00	4.35E-06	3.04E-06	1.86E-06	0.00E+00	4.89E-06	5.57E-07	3.17E-07	0.00E+00	8.74E-07	3.11E-07	2.73E-07	0.00E+00	5.85E-07
1014	481393.72	3768237.8	2.9622E-06	1.2337E-06	0.00E+00	4.20E-06	2.93E-06	1.80E-06	0.00E+00	4.73E-06	5.38E-07	3.06E-07	0.00E+00	8.44E-07	3.00E-07	2.64E-07	0.00E+00	5.64E-07
1015	481384.21	3768237.76	2.8652E-06	1.1933E-06	0.00E+00	4.06E-06	2.84E-06	1.74E-06	0.00E+00	4.57E-06	5.21E-07	2.96E-07	0.00E+00	8.16E-07	2.91E-07	2.55E-07	0.00E+00	5.46E-07
1016	481374.71	3768237.72	2.7773E-06	1.1567E-06	0.00E+00	3.93E-06	2.75E-06	1.68E-06	0.00E+00	4.43E-06	5.05E-07	2.87E-07	0.00E+00	7.91E-07	2.82E-07	2.47E-07	0.00E+00	5.29E-07
1017	481365.2	3768237.68	2.6991E-06	1.1242E-06	0.00E+00	3.82E-06	2.67E-06	1.64E-06	0.00E+00	4.31E-06	4.90E-07	2.79E-07	0.00E+00	7.69E-07	2.74E-07	2.40E-07	0.00E+00	5.14E-07
1018	481355.69	3768237.64	2.6311E-06	1.0958E-06	0.00E+00	3.73E-06	2.60E-06	1.59E-06	0.00E+00	4.20E-06	4.78E-07	2.72E-07	0.00E+00	7.50E-07	2.67E-07	2.34E-07	0.00E+00	5.01E-07
1019	481346.18	3768237.61	2.5735E-06	1.0719E-06	0.00E+00	3.65E-06	2.55E-06	1.56E-06	0.00E+00	4.11E-06	4.68E-07	2.66E-07	0.00E+00	7.33E-07	2.61E-07	2.29E-07	0.00E+00	4.90E-07
1020	481602.02	3768260.07	6.0419E-06	2.5164E-06	0.00E+00	8.56E-06	5.98E-06	3.66E-06	0.00E+00	9.64E-06	1.10E-06	6.24E-07	0.00E+00	1.72E-06	6.13E-07	5.38E-07	0.00E+00	1.15E-06
1021	481613.77	3768271.96	6.6501E-06	2.7697E-06	0.00E+00	9.42E-06	6.58E-06	4.03E-06	0.00E+00	1.06E-05	1.21E-06	6.86E-07	0.00E+00	1.89E-06	6.75E-07	5.92E-07	0.00E+00	1.27E-06
1022	481517.38	3768228.48	4.0421E-06	1.6835E-06	0.00E+00	5.73E-06	4.00E-06	2.45E-06	0.00E+00	6.45E-06	7.34E-07	4.17E-07	0.00E+00	1.15E-06	4.10E-07	3.60E-07	0.00E+00	7.70E-07
1023	481507.87	3768228.44	3.9447E-06	0.000001643	0.00E+00	5.59E-06	3.90E-06	2.39E-06	0.00E+00	6.29E-06	7.17E-07	4.07E-07	0.00E+00	1.12E-06	4.00E-07	3.51E-07	0.00E+00	7.52E-07
1024	481498.36	3768228.4	3.8475E-06	1.6025E-06	0.00E+00	5.45E-06	3.81E-06	2.33E-06	0.00E+00	6.14E-06	6.99E-07	3.97E-07	0.00E+00	1.10E-06	3.90E-07	3.43E-07	0.00E+00	7.33E-07
1025	481488.85	3768228.36	3.7454E-06	0.00000156	0.00E+00	5.31E-06	3.71E-06	2.27E-06	0.00E+00	5.98E-06	6.81E-07	3.87E-07	0.00E+00	1.07E-06	3.80E-07	3.34E-07	0.00E+00	7.14E-07
1026	481479.35	3768228.32	3.6398E-06	0.000001516	0.00E+00	5.16E-06	3.60E-06	2.21E-06	0.00E+00	5.81E-06	6.61E-07	3.76E-07	0.00E+00	1.04E-06	3.69E-07	3.24E-07	0.00E+00	6.94E-07
1027	481469.84	3768228.28	3.5231E-06	1.4673E-06	0.00E+00	4.99E-06	3.49E-06	2.14E-06	0.00E+00	5.62E-06	6.40E-07	3.64E-07	0.00E+00	1.00E-06	3.57E-07	3.14E-07	0.00E+00	6.71E-07
1028	481460.33	3768228.24	3.4047E-06	0.000001418	0.00E+00	4.82E-06	3.37E-06	2.06E-06	0.00E+00	5.43E-06	6.19E-07	3.51E-07	0.00E+00	9.70E-07	3.45E-07	3.03E-07	0.00E+00	6.49E-07
1029	481450.82	3768228.2	3.2866E-06	1.3689E-06	0.00E+00	4.66E-06	3.25E-06	1.99E-06	0.00E+00	5.24E-06	5.97E-07	3.39E-07	0.00E+00	9.36E-07	3.33E-07	2.93E-07	0.00E+00	6.26E-07
1030	481441.31	3768228.16	3.1703E-06	1.3204E-06	0.00E+00	4.49E-06	3.14E-06	1.92E-06	0.00E+00									

1105	481479.47	3768198.8	2.6579E-06	0.000001107	0.00E+00	3.76E-06	2.63E-06	1.61E-06	0.00E+00	4.24E-06	4.83E-07	2.74E-07	0.00E+00	7.57E-07	2.70E-07	2.37E-07	0.00E+00	5.06E-07
1106	481469.96	3768198.76	2.5741E-06	1.0721E-06	0.00E+00	3.65E-06	2.55E-06	1.56E-06	0.00E+00	4.11E-06	4.68E-07	2.66E-07	0.00E+00	7.33E-07	2.61E-07	2.29E-07	0.00E+00	4.90E-07
1107	481460.45	3768198.72	0.000002491	1.0375E-06	0.00E+00	3.53E-06	2.46E-06	1.51E-06	0.00E+00	3.97E-06	4.53E-07	2.57E-07	0.00E+00	7.10E-07	2.53E-07	2.22E-07	0.00E+00	4.75E-07
1108	481450.94	3768198.69	2.4096E-06	1.0036E-06	0.00E+00	3.41E-06	2.38E-06	1.46E-06	0.00E+00	3.84E-06	4.38E-07	2.49E-07	0.00E+00	6.87E-07	2.44E-07	2.15E-07	0.00E+00	4.59E-07
1109	481441.43	3768198.65	2.3305E-06	9.7064E-07	0.00E+00	3.30E-06	2.31E-06	1.41E-06	0.00E+00	3.72E-06	4.23E-07	2.41E-07	0.00E+00	6.64E-07	2.36E-07	2.08E-07	0.00E+00	4.44E-07
1110	481431.92	3768198.61	2.2539E-06	9.3872E-07	0.00E+00	3.19E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.42E-07	2.29E-07	2.01E-07	0.00E+00	4.29E-07
1111	481422.41	3768198.57	2.1804E-06	9.0814E-07	0.00E+00	3.09E-06	2.16E-06	1.32E-06	0.00E+00	3.48E-06	3.96E-07	2.25E-07	0.00E+00	6.21E-07	2.21E-07	1.94E-07	0.00E+00	4.15E-07
1112	481412.91	3768198.53	2.1112E-06	8.793E-07	0.00E+00	2.99E-06	2.09E-06	1.28E-06	0.00E+00	3.37E-06	3.84E-07	2.18E-07	0.00E+00	6.02E-07	2.14E-07	1.88E-07	0.00E+00	4.02E-07
1113	481403.4	3768198.49	2.0463E-06	8.5227E-07	0.00E+00	2.90E-06	2.02E-06	1.24E-06	0.00E+00	3.27E-06	3.72E-07	2.11E-07	0.00E+00	5.83E-07	2.08E-07	1.82E-07	0.00E+00	3.90E-07
1114	481393.89	3768198.45	0.000001986	8.2718E-07	0.00E+00	2.81E-06	1.97E-06	1.20E-06	0.00E+00	3.17E-06	3.61E-07	2.05E-07	0.00E+00	5.66E-07	2.01E-07	1.77E-07	0.00E+00	3.78E-07
1115	481384.38	3768198.41	1.9304E-06	8.0399E-07	0.00E+00	2.73E-06	1.91E-06	1.17E-06	0.00E+00	3.08E-06	3.51E-07	1.99E-07	0.00E+00	5.50E-07	1.96E-07	1.72E-07	0.00E+00	3.68E-07
1116	481374.87	3768198.37	1.8793E-06	7.8271E-07	0.00E+00	2.66E-06	1.86E-06	1.14E-06	0.00E+00	3.00E-06	3.41E-07	1.94E-07	0.00E+00	5.35E-07	1.91E-07	1.67E-07	0.00E+00	3.58E-07
1117	481365.36	3768198.33	0.000001833	7.6342E-07	0.00E+00	2.60E-06	1.81E-06	1.11E-06	0.00E+00	2.92E-06	3.33E-07	1.89E-07	0.00E+00	5.22E-07	1.86E-07	1.63E-07	0.00E+00	3.49E-07
1118	481355.85	3768198.29	1.7916E-06	7.4617E-07	0.00E+00	2.54E-06	1.77E-06	1.09E-06	0.00E+00	2.86E-06	3.26E-07	1.85E-07	0.00E+00	5.10E-07	1.82E-07	1.60E-07	0.00E+00	3.41E-07
1119	481346.34	3768198.25	1.7551E-06	7.3098E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
1120	481336.83	3768198.21	1.7272E-06	7.1751E-07	0.00E+00	2.44E-06	1.70E-06	1.04E-06	0.00E+00	2.75E-06	3.13E-07	1.78E-07	0.00E+00	4.91E-07	1.75E-07	1.53E-07	0.00E+00	3.28E-07
1121	481604.11	3768221.53	0.000004159	1.7322E-06	0.00E+00	5.89E-06	4.12E-06	2.52E-06	0.00E+00	6.64E-06	7.56E-07	4.29E-07	0.00E+00	1.18E-06	4.22E-07	3.71E-07	0.00E+00	7.92E-07
1122	481612.67	3768225.12	0.000004292	1.7876E-06	0.00E+00	6.08E-06	4.25E-06	2.60E-06	0.00E+00	6.85E-06	7.80E-07	4.43E-07	0.00E+00	1.22E-06	4.35E-07	3.82E-07	0.00E+00	8.18E-07
1123	481621.23	3768228.72	4.4138E-06	1.8383E-06	0.00E+00	6.25E-06	4.37E-06	2.67E-06	0.00E+00	7.04E-06	8.02E-07	4.56E-07	0.00E+00	1.26E-06	4.48E-07	3.93E-07	0.00E+00	8.41E-07
1124	481629.79	3768232.31	4.5234E-06	0.000001884	0.00E+00	6.41E-06	4.48E-06	2.74E-06	0.00E+00	7.22E-06	8.22E-07	4.67E-07	0.00E+00	1.29E-06	4.59E-07	4.03E-07	0.00E+00	8.62E-07
1125	481641.85	3768244.51	4.9481E-06	2.0609E-06	0.00E+00	7.01E-06	4.90E-06	3.00E-06	0.00E+00	7.90E-06	8.99E-07	5.11E-07	0.00E+00	1.41E-06	5.02E-07	4.41E-07	0.00E+00	9.43E-07
1126	481645.35	3768253.11	5.2821E-06	0.0000022	0.00E+00	7.48E-06	5.23E-06	3.20E-06	0.00E+00	8.43E-06	9.60E-07	5.45E-07	0.00E+00	1.50E-06	5.36E-07	4.71E-07	0.00E+00	1.01E-06
1127	481648.84	3768261.72	5.6252E-06	2.3429E-06	0.00E+00	7.97E-06	5.57E-06	3.41E-06	0.00E+00	8.98E-06	1.02E-06	5.81E-07	0.00E+00	1.60E-06	5.71E-07	5.01E-07	0.00E+00	1.07E-06
1128	481652.34	3768270.32	5.9727E-06	2.4876E-06	0.00E+00	8.46E-06	5.91E-06	3.62E-06	0.00E+00	9.53E-06	1.09E-06	6.16E-07	0.00E+00	1.70E-06	6.06E-07	5.32E-07	0.00E+00	1.14E-06
1129	481655.84	3768278.92	6.3203E-06	2.6324E-06	0.00E+00	8.95E-06	6.25E-06	3.83E-06	0.00E+00	1.01E-05	1.15E-06	6.52E-07	0.00E+00	1.80E-06	6.41E-07	5.63E-07	0.00E+00	1.20E-06
1130	481659.33	3768287.52	6.6629E-06	2.7751E-06	0.00E+00	9.44E-06	6.59E-06	4.04E-06	0.00E+00	1.06E-05	1.21E-06	6.88E-07	0.00E+00	1.90E-06	6.76E-07	5.94E-07	0.00E+00	1.27E-06
1131	481662.83	3768296.12	6.9919E-06	2.9121E-06	0.00E+00	9.90E-06	6.92E-06	4.24E-06	0.00E+00	1.12E-05	1.27E-06	7.22E-07	0.00E+00	1.99E-06	7.09E-07	6.23E-07	0.00E+00	1.33E-06
1132	481666.33	3768304.73	7.3037E-06	0.000003042	0.00E+00	1.03E-05	7.23E-06	4.43E-06	0.00E+00	1.17E-05	1.33E-06	7.54E-07	0.00E+00	2.08E-06	7.41E-07	6.51E-07	0.00E+00	1.39E-06
1133	481669.83	3768313.33	7.5913E-06	3.1617E-06	0.00E+00	1.08E-05	7.51E-06	4.60E-06	0.00E+00	1.21E-05	1.38E-06	7.84E-07	0.00E+00	2.16E-06	7.70E-07	6.76E-07	0.00E+00	1.45E-06
1134	481673.32	3768321.93	7.8498E-06	3.2694E-06	0.00E+00	1.11E-05	7.77E-06	4.76E-06	0.00E+00	1.25E-05	1.43E-06	8.10E-07	0.00E+00	2.24E-06	7.96E-07	6.99E-07	0.00E+00	1.50E-06
1135	481517.54	3768189.12	2.6978E-06	1.1236E-06	0.00E+00	3.82E-06	2.67E-06	1.63E-06	0.00E+00	4.30E-06	4.90E-07	2.78E-07	0.00E+00	7.69E-07	2.74E-07	2.40E-07	0.00E+00	5.14E-07
1136	481508.04	3768189.08	2.6275E-06	1.0943E-06	0.00E+00	3.72E-06	2.60E-06	1.59E-06	0.00E+00	4.19E-06	4.77E-07	2.71E-07	0.00E+00	7.49E-07	2.67E-07	2.34E-07	0.00E+00	5.01E-07
1137	481498.53	3768189.04	2.5588E-06	1.0657E-06	0.00E+00	3.62E-06	2.53E-06	1.55E-06	0.00E+00	4.08E-06	4.65E-07	2.64E-07	0.00E+00	7.29E-07	2.60E-07	2.28E-07	0.00E+00	4.88E-07
1138	481489.02	3768189	0.000002489	1.0367E-06	0.00E+00	3.53E-06	2.46E-06	1.51E-06	0.00E+00	3.97E-06	4.52E-07	2.57E-07	0.00E+00	7.09E-07	2.52E-07	2.22E-07	0.00E+00	4.74E-07
1139	481479.51	3768188.97	2.4187E-06	1.0074E-06	0.00E+00	3.43E-06	2.39E-06	1.47E-06	0.00E+00	3.86E-06	4.39E-07	2.50E-07	0.00E+00	6.89E-07	2.45E-07	2.15E-07	0.00E+00	4.61E-07
1140	481470	3768188.93	2.3436E-06	9.7611E-07	0.00E+00	3.32E-06	2.32E-06	1.42E-06	0.00E+00	3.74E-06	4.26E-07	2.42E-07	0.00E+00	6.68E-07	2.38E-07	2.09E-07	0.00E+00	4.47E-07
1141	481460.49	3768188.89	2.2694E-06	9.452E-07	0.00E+00	3.21E-06	2.25E-06	1.38E-06	0.00E+00	3.62E-06	4.12E-07	2.34E-07	0.00E+00	6.47E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07
1142	481450.98	3768188.85	2.1968E-06	9.1494E-07	0.00E+00	3.11E-06	2.17E-06	1.33E-06	0.00E+00	3.51E-06	3.99E-07	2.27E-07	0.00E+00	6.26E-07	2.23E-07	1.96E-07	0.00E+00	4.19E-07
1143	481441.47	3768188.81	2.1266E-06	8.8572E-07	0.00E+00	3.01E-06	2.10E-06	1.29E-06	0.00E+00	3.39E-06	3.86E-07	2.20E-07	0.00E+00	6.06E-07	2.16E-07	1.89E-07	0.00E+00	4.05E-07
1144	481431.96	3768188.77	2.0588E-06	8.5746E-07	0.00E+00	2.92E-06	2.04E-06	1.25E-06	0.00E+00	3.28E-06	3.74E-07	2.13E-07	0.00E+00	5.87E-07	2.09E-07	1.83E-07	0.00E+00	3.92E-07
1145	481422.45	3768188.73	1.9939E-06	8.3045E-07	0.00E+00	2.82E-06	1.97E-06	1.21E-06	0.00E+00	3.18E-06	3.62E-07	2.06E-07	0.00E+00	5.68E-07	2.02E-07	1.78E-07	0.00E+00	3.80E-07
1146	481412.95	3768188.69	1.9328E-06	8.0499E-07	0.00E+00	2.74E-06	1.91E-06	1.17E-06	0.00E+00	3.08E-06	3.51E-07	1.99E-07	0.00E+00	5.51E-07	1.96E-07	1.72E-07	0.00E+00	3.68E-07
1147	481403.44	3768188.65	1.8755E-06	7.8113E-07	0.00E+00	2.66E-06	1.86E-06	1.14E-06	0.00E+00	2.99E-06	3.41E-07	1.94E-07	0.00E+00	5.34E-07	1.90E-07	1.67E-07	0.00E+00	3.57E-07
1148	481393.93	3768188.61	1.8223E-06	7.5897E-07	0.00E+00	2.58E-06	1.80E-06	1.10E-06	0.00E+00	2.91E-06	3.31E-07	1.88E-07	0.00E+00	5.19E-07	1.85E-07	1.62E-07	0.00E+00	3.47E-07
1149	481384.42	3768188.57	0.000001773	7.3846E-07	0.00E+00	2.51E-06	1.75E-06	1.07E-06	0.00E+00	2.83E-06	3.22E-07	1.83E-07	0.00E+00	5.05E-07	1.80E-07	1.58E-07	0.00E+00	3.38E-07
1150	481374.91	3768188.53	1.7278E-06	7.1962E-07	0.00E+00	2.45E-06	1.71E-06	1.05E-06	0.00E+00	2.76E-06	3.14E-07	1.78E-07	0.00E+00	4.92E-07	1.75E-07	1.54E-07	0.00E+00	3.29E-07
1151	481365.4	3768188.49	1.6866E-06	7.0247E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.69E-06	3.06E-07	1.74E-07	0.00E+00	4.81E-07	1.71E-07	1.50E-07	0.00E+00	3.21E-07
1152	481355.89	3768188.45	1.6495E-06	6.8703E-07	0.00E+00	2.34E-06	1.63E-06	1.00E-06	0.00E+00	2.63E-06	3.00E-07	1.70E-07	0.00E+00	4.70E-07	1.67E-07	1.47E-07	0.00E+00	3.14E-07
1153	481346.38	3768188.41	1.6166E-06	6.7331E-07	0.00E+00	2.29E-06	1.60E-06</											

1228	481662.72	3768223.46	4.0745E-06	0.000001697	0.00E+00	5.77E-06	4.03E-06	2.47E-06	0.00E+00	6.50E-06	7.40E-07	4.21E-07	0.00E+00	1.16E-06	4.13E-07	3.63E-07	0.00E+00	7.76E-07
1229	481669.46	3768240.06	0.000004569	1.9029E-06	0.00E+00	6.47E-06	4.52E-06	2.77E-06	0.00E+00	7.29E-06	8.30E-07	4.27E-07	0.00E+00	1.30E-06	4.63E-07	4.07E-07	0.00E+00	8.71E-07
1230	481676.21	3768256.66	5.0814E-06	2.1164E-06	0.00E+00	7.20E-06	5.03E-06	3.08E-06	0.00E+00	8.11E-06	9.23E-07	5.24E-07	0.00E+00	1.45E-06	5.15E-07	4.53E-07	0.00E+00	9.68E-07
1231	481682.96	3768273.26	5.5933E-06	2.3296E-06	0.00E+00	7.92E-06	5.53E-06	3.39E-06	0.00E+00	8.92E-06	1.02E-06	5.77E-07	0.00E+00	1.59E-06	5.67E-07	4.98E-07	0.00E+00	1.07E-06
1232	481689.71	3768289.86	0.00000608	2.5323E-06	0.00E+00	8.61E-06	6.02E-06	3.68E-06	0.00E+00	9.70E-06	1.10E-06	6.28E-07	0.00E+00	1.73E-06	6.17E-07	5.42E-07	0.00E+00	1.16E-06
1233	481693.08	3768298.16	6.3073E-06	0.000002627	0.00E+00	8.93E-06	6.24E-06	3.82E-06	0.00E+00	1.01E-05	1.15E-06	6.51E-07	0.00E+00	1.80E-06	6.40E-07	5.62E-07	0.00E+00	1.20E-06
1234	481699.83	3768314.76	6.7085E-06	2.7941E-06	0.00E+00	9.50E-06	6.64E-06	4.07E-06	0.00E+00	1.07E-05	1.22E-06	6.92E-07	0.00E+00	1.91E-06	6.80E-07	5.98E-07	0.00E+00	1.28E-06
1235	481517.67	3768159.61	2.0805E-06	8.6653E-07	0.00E+00	2.95E-06	2.06E-06	1.26E-06	0.00E+00	3.32E-06	3.78E-07	2.15E-07	0.00E+00	5.93E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
1236	481508.16	3768159.57	2.0265E-06	8.4402E-07	0.00E+00	2.87E-06	2.01E-06	1.23E-06	0.00E+00	3.23E-06	3.68E-07	2.09E-07	0.00E+00	5.77E-07	2.06E-07	1.81E-07	0.00E+00	3.86E-07
1237	481498.65	3768159.53	1.9741E-06	8.2221E-07	0.00E+00	2.80E-06	1.95E-06	1.20E-06	0.00E+00	3.15E-06	3.59E-07	2.04E-07	0.00E+00	5.62E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07
1238	481489.14	3768159.49	1.9215E-06	8.003E-07	0.00E+00	2.72E-06	1.90E-06	1.16E-06	0.00E+00	3.07E-06	3.49E-07	1.98E-07	0.00E+00	5.47E-07	1.95E-07	1.71E-07	0.00E+00	3.66E-07
1239	481479.63	3768159.45	1.8692E-06	7.7852E-07	0.00E+00	2.65E-06	1.85E-06	1.13E-06	0.00E+00	2.98E-06	3.40E-07	1.93E-07	0.00E+00	5.33E-07	1.90E-07	1.67E-07	0.00E+00	3.56E-07
1240	481470.12	3768159.41	1.8144E-06	7.557E-07	0.00E+00	2.57E-06	1.80E-06	1.10E-06	0.00E+00	2.90E-06	3.30E-07	1.87E-07	0.00E+00	5.17E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07
1241	481460.61	3768159.37	1.7608E-06	7.3335E-07	0.00E+00	2.49E-06	1.74E-06	1.07E-06	0.00E+00	2.81E-06	3.20E-07	1.82E-07	0.00E+00	5.02E-07	1.79E-07	1.57E-07	0.00E+00	3.35E-07
1242	481451.1	3768159.33	1.7086E-06	7.1162E-07	0.00E+00	2.42E-06	1.69E-06	1.04E-06	0.00E+00	2.73E-06	3.10E-07	1.76E-07	0.00E+00	4.87E-07	1.73E-07	1.52E-07	0.00E+00	3.26E-07
1243	481441.6	3768159.29	1.6585E-06	6.9075E-07	0.00E+00	2.35E-06	1.64E-06	1.01E-06	0.00E+00	2.65E-06	3.01E-07	1.71E-07	0.00E+00	4.73E-07	1.68E-07	1.48E-07	0.00E+00	3.16E-07
1244	481432.09	3768159.25	1.6102E-06	6.7065E-07	0.00E+00	2.28E-06	1.59E-06	9.76E-07	0.00E+00	2.57E-06	2.93E-07	1.66E-07	0.00E+00	4.59E-07	1.63E-07	1.43E-07	0.00E+00	3.07E-07
1245	481422.58	3768159.21	1.5642E-06	6.5148E-07	0.00E+00	2.22E-06	1.55E-06	9.48E-07	0.00E+00	2.50E-06	2.84E-07	1.61E-07	0.00E+00	4.46E-07	1.59E-07	1.39E-07	0.00E+00	2.98E-07
1246	481413.07	3768159.17	1.5208E-06	6.3341E-07	0.00E+00	2.15E-06	1.50E-06	9.22E-07	0.00E+00	2.43E-06	2.76E-07	1.57E-07	0.00E+00	4.33E-07	1.54E-07	1.35E-07	0.00E+00	2.90E-07
1247	481403.56	3768159.13	1.4802E-06	6.1648E-07	0.00E+00	2.10E-06	1.46E-06	8.97E-07	0.00E+00	2.36E-06	2.69E-07	1.53E-07	0.00E+00	4.22E-07	1.50E-07	1.32E-07	0.00E+00	2.82E-07
1248	481394.05	3768159.09	1.4423E-06	6.0073E-07	0.00E+00	2.04E-06	1.43E-06	8.74E-07	0.00E+00	2.30E-06	2.62E-07	1.49E-07	0.00E+00	4.11E-07	1.46E-07	1.29E-07	0.00E+00	2.75E-07
1249	481384.54	3768159.05	1.4072E-06	5.861E-07	0.00E+00	1.99E-06	1.39E-06	8.53E-07	0.00E+00	2.25E-06	2.56E-07	1.45E-07	0.00E+00	4.01E-07	1.43E-07	1.25E-07	0.00E+00	2.68E-07
1250	481375.03	3768159.01	1.3747E-06	5.7257E-07	0.00E+00	1.95E-06	1.36E-06	8.33E-07	0.00E+00	2.19E-06	2.50E-07	1.42E-07	0.00E+00	3.92E-07	1.39E-07	1.22E-07	0.00E+00	2.62E-07
1251	481365.52	3768158.98	1.3451E-06	5.6021E-07	0.00E+00	1.91E-06	1.33E-06	8.15E-07	0.00E+00	2.15E-06	2.44E-07	1.39E-07	0.00E+00	3.83E-07	1.36E-07	1.20E-07	0.00E+00	2.56E-07
1252	481356.01	3768158.94	1.3179E-06	5.4889E-07	0.00E+00	1.87E-06	1.30E-06	7.99E-07	0.00E+00	2.10E-06	2.39E-07	1.36E-07	0.00E+00	3.75E-07	1.34E-07	1.17E-07	0.00E+00	2.51E-07
1253	481346.51	3768158.9	1.2932E-06	5.3861E-07	0.00E+00	1.83E-06	1.28E-06	7.84E-07	0.00E+00	2.06E-06	2.35E-07	1.33E-07	0.00E+00	3.68E-07	1.31E-07	1.15E-07	0.00E+00	2.46E-07
1254	481337	3768158.86	1.2709E-06	5.293E-07	0.00E+00	1.80E-06	1.26E-06	7.70E-07	0.00E+00	2.03E-06	2.31E-07	1.31E-07	0.00E+00	3.62E-07	1.29E-07	1.13E-07	0.00E+00	2.42E-07
1255	481553.3	3768160.76	2.2862E-06	9.522E-07	0.00E+00	3.24E-06	2.26E-06	1.39E-06	0.00E+00	3.65E-06	4.15E-07	2.36E-07	0.00E+00	6.51E-07	2.32E-07	2.04E-07	0.00E+00	4.36E-07
1256	481562	3768164.42	2.3962E-06	0.000000998	0.00E+00	3.39E-06	2.37E-06	1.45E-06	0.00E+00	3.82E-06	4.35E-07	2.47E-07	0.00E+00	6.83E-07	2.43E-07	2.13E-07	0.00E+00	4.57E-07
1257	481570.69	3768168.07	2.5076E-06	1.0444E-06	0.00E+00	3.55E-06	2.48E-06	1.52E-06	0.00E+00	4.00E-06	4.56E-07	2.59E-07	0.00E+00	7.14E-07	2.54E-07	2.23E-07	0.00E+00	4.78E-07
1258	481579.39	3768171.72	0.00000262	1.0912E-06	0.00E+00	3.71E-06	2.59E-06	1.59E-06	0.00E+00	4.18E-06	4.76E-07	2.70E-07	0.00E+00	7.46E-07	2.66E-07	2.33E-07	0.00E+00	4.99E-07
1259	481588.08	3768175.37	2.7324E-06	0.000001138	0.00E+00	3.87E-06	2.70E-06	1.66E-06	0.00E+00	4.36E-06	4.96E-07	2.82E-07	0.00E+00	7.79E-07	2.77E-07	2.43E-07	0.00E+00	5.21E-07
1260	481596.78	3768179.03	2.8442E-06	1.1846E-06	0.00E+00	4.03E-06	2.81E-06	1.72E-06	0.00E+00	4.54E-06	5.17E-07	2.94E-07	0.00E+00	8.10E-07	2.89E-07	2.53E-07	0.00E+00	5.42E-07
1261	481614.17	3768186.33	3.0664E-06	1.2771E-06	0.00E+00	4.34E-06	3.03E-06	1.86E-06	0.00E+00	4.89E-06	5.57E-07	3.16E-07	0.00E+00	8.74E-07	3.11E-07	2.73E-07	0.00E+00	5.84E-07
1262	481622.86	3768189.98	3.1732E-06	1.3216E-06	0.00E+00	4.49E-06	3.14E-06	1.92E-06	0.00E+00	5.06E-06	5.77E-07	3.28E-07	0.00E+00	9.04E-07	3.22E-07	2.83E-07	0.00E+00	6.05E-07
1263	481631.56	3768193.63	0.000003275	0.000001364	0.00E+00	4.64E-06	3.24E-06	1.98E-06	0.00E+00	5.23E-06	5.95E-07	3.38E-07	0.00E+00	9.33E-07	3.32E-07	2.92E-07	0.00E+00	6.24E-07
1264	481640.25	3768197.29	3.3693E-06	1.4033E-06	0.00E+00	4.77E-06	3.33E-06	2.04E-06	0.00E+00	5.38E-06	6.12E-07	3.48E-07	0.00E+00	9.60E-07	3.42E-07	3.00E-07	0.00E+00	6.42E-07
1265	481648.95	3768200.94	0.000003458	1.4402E-06	0.00E+00	4.90E-06	3.42E-06	2.10E-06	0.00E+00	5.52E-06	6.28E-07	3.57E-07	0.00E+00	9.85E-07	3.51E-07	3.08E-07	0.00E+00	6.59E-07
1266	481657.64	3768204.59	3.5408E-06	1.4747E-06	0.00E+00	5.02E-06	3.50E-06	2.15E-06	0.00E+00	5.65E-06	6.43E-07	3.65E-07	0.00E+00	1.01E-06	3.59E-07	3.15E-07	0.00E+00	6.75E-07
1267	481669.89	3768216.98	3.8476E-06	1.6025E-06	0.00E+00	5.45E-06	3.81E-06	2.33E-06	0.00E+00	6.14E-06	6.99E-07	3.97E-07	0.00E+00	1.10E-06	3.90E-07	3.43E-07	0.00E+00	7.33E-07
1268	481673.44	3768225.72	4.0856E-06	1.7017E-06	0.00E+00	5.79E-06	4.04E-06	2.48E-06	0.00E+00	6.52E-06	7.42E-07	4.22E-07	0.00E+00	1.16E-06	4.14E-07	3.64E-07	0.00E+00	7.78E-07
1269	481676.99	3768234.45	0.000004328	1.8026E-06	0.00E+00	6.13E-06	4.28E-06	2.62E-06	0.00E+00	6.91E-06	7.86E-07	4.47E-07	0.00E+00	1.23E-06	4.39E-07	3.86E-07	0.00E+00	8.25E-07
1270	481680.55	3768243.19	4.5754E-06	1.9056E-06	0.00E+00	6.48E-06	4.53E-06	2.77E-06	0.00E+00	7.30E-06	8.31E-07	4.72E-07	0.00E+00	1.30E-06	4.64E-07	4.08E-07	0.00E+00	8.72E-07
1271	481684.1	3768251.93	4.8256E-06	2.0098E-06	0.00E+00	6.84E-06	4.78E-06	2.92E-06	0.00E+00	7.70E-06	8.77E-07	4.98E-07	0.00E+00	1.37E-06	4.89E-07	4.30E-07	0.00E+00	9.19E-07
1272	481687.65	3768260.66	5.0756E-06	0.000002114	0.00E+00	7.19E-06	5.02E-06	3.08E-06	0.00E+00	8.10E-06	9.22E-07	5.24E-07	0.00E+00	1.45E-06	5.15E-07	4.52E-07	0.00E+00	9.67E-07
1273	481691.22	3768269.4	5.3236E-06	2.2172E-06	0.00E+00	7.54E-06	5.27E-06	3.23E-06	0.00E+00	8.49E-06	9.67E-07	5.49E-07	0.00E+00	1.52E-06	5.40E-07	4.74E-07	0.00E+00	1.01E-06
1274	481694.75	3768278.13	5.5663E-06	2.3183E-06	0.00E+00	7.88E-06	5.51E-06	3.37E-06	0.00E+00	8.88E-06	1.01E-06	5.75E-07	0.00E+00	1.59E-06	5.65E-07	4.96E-07	0.00E+00	1.06E-06
1275	481698.31	3768286.87	5.7995E-06	2.4155E-06	0.00E+00	8.22E-06	5.74E-06	3.51E-06	0.00E+00	9.25E-06	1.05E-06	5.99E-07	0.00E+00	1.65E-06	5.88E-07	5.17E-07	0.00E+00	1.10E-06
1276	481701.86	3768295.61	6.0197E-06	2.5072E-06	0.00E+00	8.53E-06	5.96E-06	3										

1351	481578.31	3768151.56	2.2221E-06	9.2548E-07	0.00E+00	3.15E-06	2.20E-06	1.35E-06	0.00E+00	3.55E-06	4.04E-07	2.29E-07	0.00E+00	6.33E-07	2.25E-07	1.98E-07	0.00E+00	4.23E-07
1352	481586.81	3768155.13	2.3154E-06	9.6436E-07	0.00E+00	3.28E-06	2.29E-06	1.40E-06	0.00E+00	3.69E-06	4.21E-07	2.39E-07	0.00E+00	6.60E-07	2.35E-07	2.06E-07	0.00E+00	4.41E-07
1353	481595.31	3768158.7	0.000002409	1.0033E-06	0.00E+00	3.41E-06	2.38E-06	1.46E-06	0.00E+00	3.84E-06	4.38E-07	2.49E-07	0.00E+00	6.86E-07	2.44E-07	2.15E-07	0.00E+00	4.59E-07
1354	481603.82	3768162.27	2.5034E-06	1.0427E-06	0.00E+00	3.55E-06	2.48E-06	1.52E-06	0.00E+00	3.99E-06	4.55E-07	2.58E-07	0.00E+00	7.13E-07	2.54E-07	2.23E-07	0.00E+00	4.77E-07
1355	481612.32	3768165.84	2.5981E-06	1.0821E-06	0.00E+00	3.68E-06	2.57E-06	1.57E-06	0.00E+00	4.15E-06	4.72E-07	2.68E-07	0.00E+00	7.40E-07	2.64E-07	2.31E-07	0.00E+00	4.95E-07
1356	481620.82	3768169.41	2.6913E-06	1.1209E-06	0.00E+00	3.81E-06	2.66E-06	1.63E-06	0.00E+00	4.29E-06	4.89E-07	2.78E-07	0.00E+00	7.67E-07	2.73E-07	2.40E-07	0.00E+00	5.13E-07
1357	481629.32	3768172.98	2.7823E-06	1.1588E-06	0.00E+00	3.94E-06	2.75E-06	1.69E-06	0.00E+00	4.44E-06	5.06E-07	2.87E-07	0.00E+00	7.93E-07	2.82E-07	2.48E-07	0.00E+00	5.30E-07
1358	481637.82	3768176.55	2.8682E-06	1.1946E-06	0.00E+00	4.06E-06	2.84E-06	1.74E-06	0.00E+00	4.58E-06	5.21E-07	2.96E-07	0.00E+00	8.17E-07	2.91E-07	2.56E-07	0.00E+00	5.46E-07
1359	481646.32	3768180.12	2.9503E-06	1.2288E-06	0.00E+00	4.18E-06	2.92E-06	1.79E-06	0.00E+00	4.71E-06	5.36E-07	3.05E-07	0.00E+00	8.41E-07	2.99E-07	2.63E-07	0.00E+00	5.62E-07
1360	481654.83	3768183.7	3.0285E-06	1.2614E-06	0.00E+00	4.29E-06	3.00E-06	1.84E-06	0.00E+00	4.83E-06	5.50E-07	3.13E-07	0.00E+00	8.63E-07	3.07E-07	2.70E-07	0.00E+00	5.77E-07
1361	481663.33	3768187.27	3.1029E-06	1.2923E-06	0.00E+00	4.40E-06	3.07E-06	1.88E-06	0.00E+00	4.95E-06	5.64E-07	3.20E-07	0.00E+00	8.84E-07	3.15E-07	2.76E-07	0.00E+00	5.91E-07
1362	481671.83	3768190.84	3.1737E-06	1.3218E-06	0.00E+00	4.50E-06	3.14E-06	1.92E-06	0.00E+00	5.06E-06	5.77E-07	3.28E-07	0.00E+00	9.04E-07	3.22E-07	2.83E-07	0.00E+00	6.05E-07
1363	481683.81	3768202.95	0.000003429	1.4282E-06	0.00E+00	4.86E-06	3.39E-06	2.08E-06	0.00E+00	5.47E-06	6.23E-07	3.54E-07	0.00E+00	9.77E-07	3.48E-07	3.06E-07	0.00E+00	6.53E-07
1364	481687.28	3768211.49	3.6254E-06	0.00000151	0.00E+00	5.14E-06	3.59E-06	2.20E-06	0.00E+00	5.78E-06	6.59E-07	3.74E-07	0.00E+00	1.03E-06	3.68E-07	3.23E-07	0.00E+00	6.91E-07
1365	481690.75	3768220.04	3.8274E-06	1.5941E-06	0.00E+00	5.42E-06	3.79E-06	2.32E-06	0.00E+00	6.11E-06	6.95E-07	3.95E-07	0.00E+00	1.09E-06	3.88E-07	3.41E-07	0.00E+00	7.29E-07
1366	481694.22	3768228.58	4.0346E-06	1.6804E-06	0.00E+00	5.72E-06	3.99E-06	2.45E-06	0.00E+00	6.44E-06	7.33E-07	4.16E-07	0.00E+00	1.15E-06	4.09E-07	3.59E-07	0.00E+00	7.69E-07
1367	481697.7	3768237.12	4.2448E-06	1.7679E-06	0.00E+00	6.01E-06	4.20E-06	2.57E-06	0.00E+00	6.77E-06	7.71E-07	4.38E-07	0.00E+00	1.21E-06	4.31E-07	3.78E-07	0.00E+00	8.09E-07
1368	481701.17	3768245.66	4.4565E-06	1.8561E-06	0.00E+00	6.31E-06	4.41E-06	2.70E-06	0.00E+00	7.11E-06	8.10E-07	4.60E-07	0.00E+00	1.27E-06	4.52E-07	3.97E-07	0.00E+00	8.49E-07
1369	481704.64	3768254.21	4.6681E-06	1.9442E-06	0.00E+00	6.61E-06	4.62E-06	2.83E-06	0.00E+00	7.45E-06	8.48E-07	4.82E-07	0.00E+00	1.33E-06	4.74E-07	4.16E-07	0.00E+00	8.89E-07
1370	481708.12	3768262.75	4.8766E-06	2.0311E-06	0.00E+00	6.91E-06	4.83E-06	2.96E-06	0.00E+00	7.78E-06	8.86E-07	5.03E-07	0.00E+00	1.39E-06	4.95E-07	4.34E-07	0.00E+00	9.29E-07
1371	481711.59	3768271.29	0.00000508	2.1158E-06	0.00E+00	7.20E-06	5.03E-06	3.08E-06	0.00E+00	8.11E-06	9.23E-07	5.24E-07	0.00E+00	1.45E-06	5.15E-07	4.53E-07	0.00E+00	9.68E-07
1372	481715.06	3768279.83	5.2757E-06	2.1973E-06	0.00E+00	7.47E-06	5.22E-06	3.20E-06	0.00E+00	8.42E-06	9.59E-07	5.45E-07	0.00E+00	1.50E-06	5.35E-07	4.70E-07	0.00E+00	1.01E-06
1373	481718.53	3768288.37	5.4612E-06	2.2746E-06	0.00E+00	7.74E-06	5.40E-06	3.31E-06	0.00E+00	8.71E-06	9.92E-07	5.64E-07	0.00E+00	1.56E-06	5.54E-07	4.87E-07	0.00E+00	1.04E-06
1374	481722.01	3768296.92	5.6328E-06	0.000002346	0.00E+00	7.98E-06	5.57E-06	3.41E-06	0.00E+00	8.99E-06	1.02E-06	5.81E-07	0.00E+00	1.60E-06	5.71E-07	5.02E-07	0.00E+00	1.07E-06
1375	481725.48	3768305.46	5.7881E-06	2.4107E-06	0.00E+00	8.20E-06	5.73E-06	3.51E-06	0.00E+00	9.24E-06	1.05E-06	5.97E-07	0.00E+00	1.65E-06	5.87E-07	5.16E-07	0.00E+00	1.10E-06
1376	481728.95	3768314	5.9257E-06	0.000002468	0.00E+00	8.39E-06	5.86E-06	3.59E-06	0.00E+00	9.45E-06	1.08E-06	6.12E-07	0.00E+00	1.69E-06	6.01E-07	5.28E-07	0.00E+00	1.13E-06
1377	481732.43	3768322.54	0.000006043	2.5169E-06	0.00E+00	8.56E-06	5.98E-06	3.66E-06	0.00E+00	9.64E-06	1.10E-06	6.24E-07	0.00E+00	1.72E-06	6.13E-07	5.38E-07	0.00E+00	1.15E-06
1378	481517.79	3768130.09	1.6525E-06	6.8825E-07	0.00E+00	2.34E-06	1.64E-06	1.00E-06	0.00E+00	2.64E-06	3.00E-07	1.71E-07	0.00E+00	4.71E-07	1.68E-07	1.47E-07	0.00E+00	3.15E-07
1379	481508.28	3768130.05	1.6107E-06	6.7084E-07	0.00E+00	2.28E-06	1.59E-06	9.76E-07	0.00E+00	2.57E-06	2.93E-07	1.66E-07	0.00E+00	4.59E-07	1.63E-07	1.44E-07	0.00E+00	3.07E-07
1380	481498.77	3768130.01	1.5705E-06	6.541E-07	0.00E+00	2.22E-06	1.55E-06	9.52E-07	0.00E+00	2.51E-06	2.85E-07	1.62E-07	0.00E+00	4.47E-07	1.59E-07	1.40E-07	0.00E+00	2.99E-07
1381	481489.26	3768129.97	1.5305E-06	6.3746E-07	0.00E+00	2.17E-06	1.51E-06	9.28E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.92E-07
1382	481479.75	3768129.93	0.000001491	6.2101E-07	0.00E+00	2.11E-06	1.48E-06	9.04E-07	0.00E+00	2.38E-06	2.71E-07	1.54E-07	0.00E+00	4.25E-07	1.51E-07	1.33E-07	0.00E+00	2.84E-07
1383	481470.25	3768129.89	1.4502E-06	6.0402E-07	0.00E+00	2.05E-06	1.44E-06	8.79E-07	0.00E+00	2.31E-06	2.64E-07	1.50E-07	0.00E+00	4.13E-07	1.47E-07	1.29E-07	0.00E+00	2.76E-07
1384	481460.74	3768129.85	1.4104E-06	5.8744E-07	0.00E+00	2.00E-06	1.40E-06	8.55E-07	0.00E+00	2.25E-06	2.56E-07	1.46E-07	0.00E+00	4.02E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
1385	481451.23	3768129.81	1.3719E-06	5.7137E-07	0.00E+00	1.94E-06	1.36E-06	8.31E-07	0.00E+00	2.19E-06	2.49E-07	1.42E-07	0.00E+00	3.91E-07	1.39E-07	1.22E-07	0.00E+00	2.61E-07
1386	481441.72	3768129.78	0.000001335	5.5601E-07	0.00E+00	1.89E-06	1.32E-06	8.09E-07	0.00E+00	2.13E-06	2.43E-07	1.38E-07	0.00E+00	3.80E-07	1.35E-07	1.19E-07	0.00E+00	2.54E-07
1387	481432.21	3768129.74	1.2994E-06	5.4121E-07	0.00E+00	1.84E-06	1.29E-06	7.87E-07	0.00E+00	2.07E-06	2.36E-07	1.34E-07	0.00E+00	3.70E-07	1.32E-07	1.16E-07	0.00E+00	2.48E-07
1388	481422.7	3768129.7	1.2655E-06	5.2709E-07	0.00E+00	1.79E-06	1.25E-06	7.67E-07	0.00E+00	2.02E-06	2.30E-07	1.31E-07	0.00E+00	3.61E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
1389	481413.19	3768129.66	1.2336E-06	5.1379E-07	0.00E+00	1.75E-06	1.22E-06	7.48E-07	0.00E+00	1.97E-06	2.24E-07	1.27E-07	0.00E+00	3.51E-07	1.25E-07	1.10E-07	0.00E+00	2.35E-07
1390	481403.68	3768129.62	1.2036E-06	5.013E-07	0.00E+00	1.70E-06	1.19E-06	7.29E-07	0.00E+00	1.92E-06	2.19E-07	1.24E-07	0.00E+00	3.43E-07	1.22E-07	1.07E-07	0.00E+00	2.29E-07
1391	481394.17	3768129.58	1.1756E-06	4.8964E-07	0.00E+00	1.67E-06	1.16E-06	7.12E-07	0.00E+00	1.88E-06	2.14E-07	1.21E-07	0.00E+00	3.35E-07	1.19E-07	1.05E-07	0.00E+00	2.24E-07
1392	481384.66	3768129.54	1.1495E-06	4.7877E-07	0.00E+00	1.63E-06	1.14E-06	6.97E-07	0.00E+00	1.83E-06	2.09E-07	1.19E-07	0.00E+00	3.28E-07	1.17E-07	1.02E-07	0.00E+00	2.19E-07
1393	481375.16	3768129.5	1.1253E-06	4.6869E-07	0.00E+00	1.59E-06	1.11E-06	6.82E-07	0.00E+00	1.80E-06	2.04E-07	1.16E-07	0.00E+00	3.21E-07	1.14E-07	1.00E-07	0.00E+00	2.14E-07
1394	481365.65	3768129.46	0.000001103	4.5939E-07	0.00E+00	1.56E-06	1.09E-06	6.68E-07	0.00E+00	1.76E-06	2.00E-07	1.14E-07	0.00E+00	3.14E-07	1.12E-07	9.83E-08	0.00E+00	2.10E-07
1395	481356.14	3768129.42	1.0825E-06	4.5085E-07	0.00E+00	1.53E-06	1.07E-06	6.56E-07	0.00E+00	1.73E-06	1.97E-07	1.12E-07	0.00E+00	3.08E-07	1.10E-07	9.64E-08	0.00E+00	2.06E-07
1396	481346.63	3768129.38	1.0637E-06	4.4304E-07	0.00E+00	1.51E-06	1.05E-06	6.45E-07	0.00E+00	1.70E-06	1.93E-07	1.10E-07	0.00E+00	3.03E-07	1.08E-07	9.48E-08	0.00E+00	2.03E-07
1397	481337.12	3768129.34	1.0466E-06	4.3591E-07	0.00E+00	1.48E-06	1.04E-06	6.34E-07	0.00E+00	1.67E-06	1.90E-07	1.08E-07	0.00E+00	2.98E-07	1.06E-07	9.32E-08	0.00E+00	1.99E-07
1398	481552.66	3768130.9	1.8076E-06	7.5284E-07	0.00E+00	2.56E-06	1.79E-06	1.10E-06	0.00E+00	2.88E-06	3.28E-07	1.87E-07	0.00E+00	5.15E-07	1.83E-07	1.61E-07	0.00E+00	3.44E-07
1399	481561.02	3768134.44	1.8883E-06	7.8648E-07	0.00E+00	2.67E-06	1.87E-06											

1474	481517.87	3768110.41	1.4369E-06	5.9848E-07	0.00E+00	2.04E-06	1.42E-06	8.71E-07	0.00E+00	2.29E-06	2.61E-07	1.48E-07	0.00E+00	4.09E-07	1.46E-07	1.28E-07	0.00E+00	2.74E-07
1475	481508.36	3768110.37	1.4016E-06	5.8375E-07	0.00E+00	1.99E-06	1.39E-06	8.49E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	3.99E-07	1.42E-07	1.25E-07	0.00E+00	2.67E-07
1476	481498.85	3768110.34	1.3677E-06	5.6966E-07	0.00E+00	1.94E-06	1.35E-06	8.29E-07	0.00E+00	2.18E-06	2.49E-07	1.41E-07	0.00E+00	3.90E-07	1.39E-07	1.22E-07	0.00E+00	2.61E-07
1477	481489.34	3768110.33	1.3342E-06	5.5567E-07	0.00E+00	1.89E-06	1.32E-06	8.09E-07	0.00E+00	2.13E-06	2.42E-07	1.38E-07	0.00E+00	3.80E-07	1.35E-07	1.19E-07	0.00E+00	2.54E-07
1478	481479.84	3768110.26	1.3011E-06	5.4191E-07	0.00E+00	1.84E-06	1.29E-06	7.89E-07	0.00E+00	2.08E-06	2.36E-07	1.34E-07	0.00E+00	3.71E-07	1.32E-07	1.16E-07	0.00E+00	2.48E-07
1479	481470.33	3768110.22	1.2671E-06	5.2775E-07	0.00E+00	1.79E-06	1.25E-06	7.68E-07	0.00E+00	2.02E-06	2.30E-07	1.31E-07	0.00E+00	3.61E-07	1.29E-07	1.13E-07	0.00E+00	2.41E-07
1480	481460.82	3768110.18	1.2341E-06	5.1398E-07	0.00E+00	1.75E-06	1.22E-06	7.48E-07	0.00E+00	1.97E-06	2.24E-07	1.27E-07	0.00E+00	3.52E-07	1.25E-07	1.10E-07	0.00E+00	2.35E-07
1481	481451.31	3768110.14	1.2021E-06	5.0065E-07	0.00E+00	1.70E-06	1.19E-06	7.28E-07	0.00E+00	1.92E-06	2.18E-07	1.24E-07	0.00E+00	3.42E-07	1.22E-07	1.07E-07	0.00E+00	2.29E-07
1482	481441.8	3768110.1	1.1714E-06	4.8789E-07	0.00E+00	1.66E-06	1.16E-06	7.10E-07	0.00E+00	1.87E-06	2.13E-07	1.21E-07	0.00E+00	3.34E-07	1.19E-07	1.04E-07	0.00E+00	2.23E-07
1483	481432.29	3768110.06	0.000001142	4.7562E-07	0.00E+00	1.62E-06	1.13E-06	6.92E-07	0.00E+00	1.82E-06	2.08E-07	1.18E-07	0.00E+00	3.25E-07	1.16E-07	1.02E-07	0.00E+00	2.18E-07
1484	481422.78	3768110.02	1.1139E-06	4.6393E-07	0.00E+00	1.58E-06	1.10E-06	6.75E-07	0.00E+00	1.78E-06	2.02E-07	1.15E-07	0.00E+00	3.17E-07	1.13E-07	9.92E-08	0.00E+00	2.12E-07
1485	481413.27	3768109.98	1.0874E-06	4.5288E-07	0.00E+00	1.54E-06	1.08E-06	6.59E-07	0.00E+00	1.74E-06	1.98E-07	1.12E-07	0.00E+00	3.10E-07	1.10E-07	9.69E-08	0.00E+00	2.07E-07
1486	481403.76	3768109.94	1.0624E-06	4.425E-07	0.00E+00	1.50E-06	1.05E-06	6.44E-07	0.00E+00	1.70E-06	1.93E-07	1.10E-07	0.00E+00	3.03E-07	1.08E-07	9.47E-08	0.00E+00	2.02E-07
1487	481394.25	3768109.9	1.0392E-06	4.328E-07	0.00E+00	1.47E-06	1.03E-06	6.30E-07	0.00E+00	1.66E-06	1.89E-07	1.07E-07	0.00E+00	2.96E-07	1.05E-07	9.26E-08	0.00E+00	1.98E-07
1488	481384.75	3768109.86	1.0174E-06	4.2374E-07	0.00E+00	1.44E-06	1.01E-06	6.17E-07	0.00E+00	1.62E-06	1.85E-07	1.05E-07	0.00E+00	2.90E-07	1.03E-07	9.06E-08	0.00E+00	1.94E-07
1489	481375.24	3768109.82	9.9712E-07	4.153E-07	0.00E+00	1.41E-06	9.87E-07	6.04E-07	0.00E+00	1.59E-06	1.81E-07	1.03E-07	0.00E+00	2.84E-07	1.01E-07	8.88E-08	0.00E+00	1.90E-07
1490	481365.73	3768109.78	9.7836E-07	4.0748E-07	0.00E+00	1.39E-06	9.68E-07	5.93E-07	0.00E+00	1.56E-06	1.78E-07	1.01E-07	0.00E+00	2.79E-07	9.92E-08	8.72E-08	0.00E+00	1.86E-07
1491	481356.22	3768109.74	9.6108E-07	4.0028E-07	0.00E+00	1.36E-06	9.51E-07	5.82E-07	0.00E+00	1.53E-06	1.75E-07	9.92E-08	0.00E+00	2.74E-07	9.75E-08	8.56E-08	0.00E+00	1.83E-07
1492	481346.71	3768109.7	9.4522E-07	3.9368E-07	0.00E+00	1.34E-06	9.35E-07	5.73E-07	0.00E+00	1.51E-06	1.72E-07	9.76E-08	0.00E+00	2.69E-07	9.59E-08	8.42E-08	0.00E+00	1.80E-07
1493	481337.2	3768109.66	9.3071E-07	3.8763E-07	0.00E+00	1.32E-06	9.21E-07	5.64E-07	0.00E+00	1.49E-06	1.69E-07	9.61E-08	0.00E+00	2.65E-07	9.44E-08	8.29E-08	0.00E+00	1.77E-07
1494	481553.51	3768111.57	1.5765E-06	6.5662E-07	0.00E+00	2.23E-06	1.56E-06	9.55E-07	0.00E+00	2.52E-06	2.86E-07	1.63E-07	0.00E+00	4.49E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
1495	481562.2	3768115.22	1.6467E-06	6.8584E-07	0.00E+00	2.33E-06	1.63E-06	9.98E-07	0.00E+00	2.63E-06	2.99E-07	1.70E-07	0.00E+00	4.69E-07	1.67E-07	1.47E-07	0.00E+00	3.14E-07
1496	481570.9	3768118.88	1.7189E-06	7.1592E-07	0.00E+00	2.43E-06	1.70E-06	1.04E-06	0.00E+00	2.74E-06	3.12E-07	1.77E-07	0.00E+00	4.90E-07	1.74E-07	1.53E-07	0.00E+00	3.28E-07
1497	481579.59	3768122.53	1.7926E-06	7.466E-07	0.00E+00	2.54E-06	1.77E-06	1.09E-06	0.00E+00	2.86E-06	3.26E-07	1.85E-07	0.00E+00	5.11E-07	1.82E-07	1.60E-07	0.00E+00	3.42E-07
1498	481588.29	3768126.18	1.8675E-06	7.7783E-07	0.00E+00	2.65E-06	1.85E-06	1.13E-06	0.00E+00	2.98E-06	3.39E-07	1.93E-07	0.00E+00	5.32E-07	1.89E-07	1.66E-07	0.00E+00	3.56E-07
1499	481596.98	3768129.83	1.9434E-06	8.0941E-07	0.00E+00	2.75E-06	1.92E-06	1.18E-06	0.00E+00	3.10E-06	3.53E-07	2.01E-07	0.00E+00	5.54E-07	1.97E-07	1.73E-07	0.00E+00	3.70E-07
1500	481605.68	3768133.48	2.0209E-06	8.4168E-07	0.00E+00	2.86E-06	2.00E-06	1.22E-06	0.00E+00	3.22E-06	3.67E-07	2.09E-07	0.00E+00	5.76E-07	2.05E-07	1.80E-07	0.00E+00	3.85E-07
1501	481623.07	3768140.79	2.1771E-06	9.0676E-07	0.00E+00	3.08E-06	2.15E-06	1.32E-06	0.00E+00	3.47E-06	3.96E-07	2.25E-07	0.00E+00	6.20E-07	2.21E-07	1.94E-07	0.00E+00	4.15E-07
1502	481631.76	3768144.44	2.2539E-06	9.3873E-07	0.00E+00	3.19E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.42E-07	2.29E-07	2.01E-07	0.00E+00	4.29E-07
1503	481640.46	3768148.09	2.3279E-06	9.6956E-07	0.00E+00	3.30E-06	2.30E-06	1.41E-06	0.00E+00	3.71E-06	4.23E-07	2.40E-07	0.00E+00	6.63E-07	2.36E-07	2.07E-07	0.00E+00	4.44E-07
1504	481649.15	3768151.75	2.4003E-06	9.9971E-07	0.00E+00	3.40E-06	2.38E-06	1.45E-06	0.00E+00	3.83E-06	4.36E-07	2.48E-07	0.00E+00	6.84E-07	2.43E-07	2.14E-07	0.00E+00	4.57E-07
1505	481657.85	3768155.4	2.4703E-06	1.0289E-06	0.00E+00	3.50E-06	2.44E-06	1.50E-06	0.00E+00	3.94E-06	4.49E-07	2.55E-07	0.00E+00	7.04E-07	2.51E-07	2.20E-07	0.00E+00	4.71E-07
1506	481666.54	3768159.05	2.5387E-06	1.0573E-06	0.00E+00	3.60E-06	2.51E-06	1.54E-06	0.00E+00	4.05E-06	4.61E-07	2.62E-07	0.00E+00	7.23E-07	2.58E-07	2.26E-07	0.00E+00	4.84E-07
1507	481675.24	3768162.7	2.6048E-06	1.0849E-06	0.00E+00	3.69E-06	2.58E-06	1.58E-06	0.00E+00	4.16E-06	4.73E-07	2.69E-07	0.00E+00	7.42E-07	2.64E-07	2.32E-07	0.00E+00	4.96E-07
1508	481683.93	3768166.35	0.000002668	1.1112E-06	0.00E+00	3.78E-06	2.64E-06	1.62E-06	0.00E+00	4.26E-06	4.85E-07	2.75E-07	0.00E+00	7.60E-07	2.71E-07	2.38E-07	0.00E+00	5.08E-07
1509	481692.63	3768170.01	2.7265E-06	1.1356E-06	0.00E+00	3.86E-06	2.70E-06	1.65E-06	0.00E+00	4.35E-06	4.95E-07	2.81E-07	0.00E+00	7.77E-07	2.77E-07	2.43E-07	0.00E+00	5.19E-07
1510	481704.87	3768182.39	2.8719E-06	1.1961E-06	0.00E+00	4.07E-06	2.84E-06	1.74E-06	0.00E+00	4.58E-06	5.22E-07	2.96E-07	0.00E+00	8.18E-07	2.91E-07	2.56E-07	0.00E+00	5.47E-07
1511	481708.43	3768191.13	3.0323E-06	1.2629E-06	0.00E+00	4.30E-06	3.00E-06	1.84E-06	0.00E+00	4.84E-06	5.51E-07	3.13E-07	0.00E+00	8.64E-07	3.08E-07	2.70E-07	0.00E+00	5.78E-07
1512	481711.98	3768199.87	3.2012E-06	1.3333E-06	0.00E+00	4.53E-06	3.17E-06	1.94E-06	0.00E+00	5.11E-06	5.82E-07	3.30E-07	0.00E+00	9.12E-07	3.25E-07	2.85E-07	0.00E+00	6.10E-07
1513	481715.53	3768208.6	3.3799E-06	1.4077E-06	0.00E+00	4.79E-06	3.34E-06	2.05E-06	0.00E+00	5.39E-06	6.14E-07	3.49E-07	0.00E+00	9.63E-07	3.43E-07	3.01E-07	0.00E+00	6.44E-07
1514	481719.08	3768217.34	3.6024E-06	1.5004E-06	0.00E+00	5.10E-06	3.56E-06	2.18E-06	0.00E+00	5.75E-06	6.55E-07	3.72E-07	0.00E+00	1.03E-06	3.65E-07	3.21E-07	0.00E+00	6.86E-07
1515	481722.63	3768226.08	3.7792E-06	0.000001574	0.00E+00	5.35E-06	3.74E-06	2.29E-06	0.00E+00	6.03E-06	6.87E-07	3.90E-07	0.00E+00	1.08E-06	3.83E-07	3.37E-07	0.00E+00	7.20E-07
1516	481726.19	3768234.81	3.9533E-06	1.6465E-06	0.00E+00	5.60E-06	3.91E-06	2.40E-06	0.00E+00	6.31E-06	7.18E-07	4.08E-07	0.00E+00	1.13E-06	4.01E-07	3.52E-07	0.00E+00	7.53E-07
1517	481729.74	3768243.55	4.1268E-06	1.7188E-06	0.00E+00	5.85E-06	4.08E-06	2.50E-06	0.00E+00	6.58E-06	7.50E-07	4.26E-07	0.00E+00	1.18E-06	4.19E-07	3.68E-07	0.00E+00	7.86E-07
1518	481733.29	3768252.29	4.2977E-06	0.00000179	0.00E+00	6.09E-06	4.25E-06	2.60E-06	0.00E+00	6.86E-06	7.81E-07	4.44E-07	0.00E+00	1.22E-06	4.36E-07	3.83E-07	0.00E+00	8.19E-07
1519	481736.84	3768261.02	4.4842E-06	1.8676E-06	0.00E+00	6.35E-06	4.44E-06	2.72E-06	0.00E+00	7.15E-06	8.15E-07	4.63E-07	0.00E+00	1.28E-06	4.55E-07	4.00E-07	0.00E+00	8.54E-07
1520	481740.39	3768269.76	4.6618E-06	1.9416E-06	0.00E+00	6.60E-06	4.61E-06	2.83E-06	0.00E+00	7.44E-06	8.47E-07	4.81E-07	0.00E+00	1.33E-06	4.73E-07	4.15E-07	0.00E+00	8.88E-07
1521	481743.95	3768278.5	4.8332E-06	0.000002013	0.00E+00	6.85E-06	4.78E-06	2.93E-06	0.00E+00	7.71E-06	8.78E-07	4.99E-07	0.00E+00	1.38E-06	4.90E-07	4.31E-07	0.00E+00	9.21E-07
1522	481747.5	3768287.23	0.000004996	2.0808E-06	0.00E+00	7.08E-06	4.94E-06	3.03E										

1597	481384.83	3768090.18	9.0817E-07	3.7825E-07	0.00E+00	1.29E-06	8.99E-07	5.50E-07	0.00E+00	1.45E-06	1.65E-07	9.37E-08	0.00E+00	2.59E-07	9.21E-08	8.09E-08	0.00E+00	1.73E-07
1598	481375.32	3768090.14	8.9099E-07	3.7109E-07	0.00E+00	1.26E-06	8.82E-07	5.40E-07	0.00E+00	1.42E-06	1.62E-07	9.20E-08	0.00E+00	2.54E-07	9.04E-08	7.94E-08	0.00E+00	1.70E-07
1599	481365.81	3768090.1	8.7505E-07	3.6446E-07	0.00E+00	1.24E-06	8.66E-07	5.30E-07	0.00E+00	1.40E-06	1.59E-07	9.03E-08	0.00E+00	2.49E-07	8.88E-08	7.80E-08	0.00E+00	1.67E-07
1600	481356.3	3768090.07	8.6038E-07	3.5834E-07	0.00E+00	1.22E-06	8.51E-07	5.21E-07	0.00E+00	1.37E-06	1.56E-07	8.88E-08	0.00E+00	2.45E-07	8.73E-08	7.67E-08	0.00E+00	1.64E-07
1601	481346.79	3768090.03	8.4681E-07	3.5269E-07	0.00E+00	1.20E-06	8.38E-07	5.13E-07	0.00E+00	1.35E-06	1.54E-07	8.74E-08	0.00E+00	2.41E-07	8.59E-08	7.54E-08	0.00E+00	1.61E-07
1602	481337.28	3768089.99	8.3438E-07	3.4751E-07	0.00E+00	1.18E-06	8.26E-07	5.06E-07	0.00E+00	1.33E-06	1.52E-07	8.61E-08	0.00E+00	2.38E-07	8.46E-08	7.43E-08	0.00E+00	1.59E-07
1603	481553.11	3768091.69	1.3782E-06	5.7401E-07	0.00E+00	1.95E-06	1.36E-06	8.35E-07	0.00E+00	2.20E-06	2.50E-07	1.42E-07	0.00E+00	3.93E-07	1.40E-07	1.23E-07	0.00E+00	2.63E-07
1604	481561.65	3768095.28	1.4364E-06	5.9827E-07	0.00E+00	2.03E-06	1.42E-06	8.71E-07	0.00E+00	2.29E-06	2.61E-07	1.48E-07	0.00E+00	4.09E-07	1.46E-07	1.28E-07	0.00E+00	2.74E-07
1605	481570.19	3768098.87	1.4963E-06	6.2322E-07	0.00E+00	2.12E-06	1.48E-06	9.07E-07	0.00E+00	2.39E-06	2.72E-07	1.54E-07	0.00E+00	4.26E-07	1.52E-07	1.33E-07	0.00E+00	2.85E-07
1606	481578.73	3768102.45	1.5577E-06	6.4878E-07	0.00E+00	2.21E-06	1.54E-06	9.44E-07	0.00E+00	2.49E-06	2.83E-07	1.61E-07	0.00E+00	4.44E-07	1.58E-07	1.39E-07	0.00E+00	2.97E-07
1607	481587.26	3768106.04	1.6204E-06	6.749E-07	0.00E+00	2.30E-06	1.60E-06	9.82E-07	0.00E+00	2.59E-06	2.94E-07	1.67E-07	0.00E+00	4.62E-07	1.64E-07	1.44E-07	0.00E+00	3.09E-07
1608	481595.8	3768109.62	1.6842E-06	7.0145E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.69E-06	3.06E-07	1.74E-07	0.00E+00	4.80E-07	1.71E-07	1.50E-07	0.00E+00	3.21E-07
1609	481604.34	3768113.21	1.7495E-06	7.2866E-07	0.00E+00	2.48E-06	1.73E-06	1.06E-06	0.00E+00	2.79E-06	3.18E-07	1.81E-07	0.00E+00	4.98E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07
1610	481612.87	3768116.8	0.000001816	7.5636E-07	0.00E+00	2.57E-06	1.80E-06	1.10E-06	0.00E+00	2.90E-06	3.30E-07	1.87E-07	0.00E+00	5.17E-07	1.84E-07	1.62E-07	0.00E+00	3.46E-07
1611	481621.41	3768120.38	1.8827E-06	7.8414E-07	0.00E+00	2.67E-06	1.86E-06	1.14E-06	0.00E+00	3.00E-06	3.42E-07	1.94E-07	0.00E+00	5.36E-07	1.91E-07	1.68E-07	0.00E+00	3.59E-07
1612	481629.95	3768123.97	1.9495E-06	8.1195E-07	0.00E+00	2.76E-06	1.93E-06	1.18E-06	0.00E+00	3.11E-06	3.54E-07	2.01E-07	0.00E+00	5.55E-07	1.98E-07	1.74E-07	0.00E+00	3.71E-07
1613	481638.48	3768127.55	2.0142E-06	8.3889E-07	0.00E+00	2.85E-06	1.99E-06	1.22E-06	0.00E+00	3.21E-06	3.66E-07	2.08E-07	0.00E+00	5.74E-07	2.04E-07	1.79E-07	0.00E+00	3.84E-07
1614	481647.02	3768131.14	2.0782E-06	8.6557E-07	0.00E+00	2.94E-06	2.06E-06	1.26E-06	0.00E+00	3.32E-06	3.78E-07	2.15E-07	0.00E+00	5.92E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
1615	481655.56	3768134.72	2.1409E-06	8.9169E-07	0.00E+00	3.03E-06	2.12E-06	1.30E-06	0.00E+00	3.42E-06	3.89E-07	2.21E-07	0.00E+00	6.10E-07	2.17E-07	1.91E-07	0.00E+00	4.08E-07
1616	481664.09	3768138.31	2.2023E-06	9.1723E-07	0.00E+00	3.12E-06	2.18E-06	1.33E-06	0.00E+00	3.51E-06	4.00E-07	2.27E-07	0.00E+00	6.27E-07	2.23E-07	1.96E-07	0.00E+00	4.20E-07
1617	481672.63	3768141.9	2.2621E-06	9.4217E-07	0.00E+00	3.20E-06	2.24E-06	1.37E-06	0.00E+00	3.61E-06	4.11E-07	2.33E-07	0.00E+00	6.45E-07	2.29E-07	2.02E-07	0.00E+00	4.31E-07
1618	481681.17	3768145.48	2.2537E-06	9.3867E-07	0.00E+00	3.19E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.09E-07	2.33E-07	0.00E+00	6.42E-07	2.29E-07	2.01E-07	0.00E+00	4.29E-07
1619	481689.71	3768149.07	0.00000231	9.6209E-07	0.00E+00	3.27E-06	2.29E-06	1.40E-06	0.00E+00	3.69E-06	4.20E-07	2.38E-07	0.00E+00	6.58E-07	2.34E-07	2.06E-07	0.00E+00	4.40E-07
1620	481698.24	3768152.65	2.3647E-06	9.8488E-07	0.00E+00	3.35E-06	2.34E-06	1.43E-06	0.00E+00	3.77E-06	4.30E-07	2.44E-07	0.00E+00	6.74E-07	2.40E-07	2.11E-07	0.00E+00	4.51E-07
1621	481706.78	3768156.24	2.4157E-06	1.0061E-06	0.00E+00	3.42E-06	2.39E-06	1.46E-06	0.00E+00	3.85E-06	4.39E-07	2.49E-07	0.00E+00	6.88E-07	2.45E-07	2.15E-07	0.00E+00	4.60E-07
1622	481718.8	3768168.4	0.000002594	1.0804E-06	0.00E+00	3.67E-06	2.57E-06	1.57E-06	0.00E+00	4.14E-06	4.71E-07	2.68E-07	0.00E+00	7.39E-07	2.63E-07	2.31E-07	0.00E+00	4.94E-07
1623	481722.29	3768176.98	2.7319E-06	1.1378E-06	0.00E+00	3.87E-06	2.70E-06	1.66E-06	0.00E+00	4.36E-06	4.96E-07	2.82E-07	0.00E+00	7.78E-07	2.77E-07	2.43E-07	0.00E+00	5.21E-07
1624	481725.78	3768185.56	2.8759E-06	1.1978E-06	0.00E+00	4.07E-06	2.85E-06	1.74E-06	0.00E+00	4.59E-06	5.23E-07	2.97E-07	0.00E+00	8.19E-07	2.92E-07	2.56E-07	0.00E+00	5.48E-07
1625	481729.27	3768194.14	3.0248E-06	1.2598E-06	0.00E+00	4.28E-06	2.99E-06	1.83E-06	0.00E+00	4.83E-06	5.50E-07	3.12E-07	0.00E+00	8.62E-07	3.07E-07	2.69E-07	0.00E+00	5.76E-07
1626	481732.75	3768202.71	3.1803E-06	1.3246E-06	0.00E+00	4.50E-06	3.15E-06	1.93E-06	0.00E+00	5.07E-06	5.78E-07	3.28E-07	0.00E+00	9.06E-07	3.23E-07	2.83E-07	0.00E+00	6.06E-07
1627	481736.24	3768211.29	3.3391E-06	1.3907E-06	0.00E+00	4.73E-06	3.30E-06	2.02E-06	0.00E+00	5.33E-06	6.07E-07	3.45E-07	0.00E+00	9.51E-07	3.39E-07	2.97E-07	0.00E+00	6.36E-07
1628	481739.73	3768219.87	3.4991E-06	1.4573E-06	0.00E+00	4.96E-06	3.46E-06	2.12E-06	0.00E+00	5.58E-06	6.36E-07	3.61E-07	0.00E+00	9.97E-07	3.55E-07	3.12E-07	0.00E+00	6.67E-07
1629	481743.22	3768228.45	0.000003659	0.000001524	0.00E+00	5.18E-06	3.62E-06	2.22E-06	0.00E+00	5.84E-06	6.65E-07	3.78E-07	0.00E+00	1.04E-06	3.71E-07	3.26E-07	0.00E+00	6.97E-07
1630	481746.7	3768237.02	3.8185E-06	1.5904E-06	0.00E+00	5.41E-06	3.78E-06	2.31E-06	0.00E+00	6.09E-06	6.94E-07	3.94E-07	0.00E+00	1.09E-06	3.87E-07	3.40E-07	0.00E+00	7.28E-07
1631	481750.19	3768245.6	3.9778E-06	1.6567E-06	0.00E+00	5.63E-06	3.94E-06	2.41E-06	0.00E+00	6.35E-06	7.23E-07	4.11E-07	0.00E+00	1.13E-06	4.03E-07	3.54E-07	0.00E+00	7.58E-07
1632	481753.68	3768254.18	4.1367E-06	1.7229E-06	0.00E+00	5.86E-06	4.09E-06	2.51E-06	0.00E+00	6.60E-06	7.52E-07	4.27E-07	0.00E+00	1.18E-06	4.20E-07	3.69E-07	0.00E+00	7.88E-07
1633	481757.16	3768262.76	4.2919E-06	1.7876E-06	0.00E+00	6.08E-06	4.25E-06	2.60E-06	0.00E+00	6.85E-06	7.80E-07	4.43E-07	0.00E+00	1.22E-06	4.35E-07	3.82E-07	0.00E+00	8.18E-07
1634	481760.65	3768271.33	4.4414E-06	1.8498E-06	0.00E+00	6.29E-06	4.39E-06	2.69E-06	0.00E+00	7.09E-06	8.07E-07	4.58E-07	0.00E+00	1.27E-06	4.51E-07	3.96E-07	0.00E+00	8.46E-07
1635	481764.14	3768279.91	4.5838E-06	1.9091E-06	0.00E+00	6.49E-06	4.54E-06	2.78E-06	0.00E+00	7.31E-06	8.33E-07	4.73E-07	0.00E+00	1.31E-06	4.65E-07	4.08E-07	0.00E+00	8.73E-07
1636	481767.63	3768288.49	4.7172E-06	1.9647E-06	0.00E+00	6.68E-06	4.67E-06	2.86E-06	0.00E+00	7.53E-06	8.57E-07	4.87E-07	0.00E+00	1.34E-06	4.79E-07	4.20E-07	0.00E+00	8.99E-07
1637	481771.11	3768297.07	0.00000484	2.0159E-06	0.00E+00	6.86E-06	4.79E-06	2.93E-06	0.00E+00	7.72E-06	8.79E-07	5.00E-07	0.00E+00	1.38E-06	4.91E-07	4.31E-07	0.00E+00	9.22E-07
1638	481774.6	3768305.64	0.00000495	2.0617E-06	0.00E+00	7.01E-06	4.90E-06	3.00E-06	0.00E+00	7.90E-06	8.99E-07	5.11E-07	0.00E+00	1.41E-06	5.02E-07	4.41E-07	0.00E+00	9.43E-07
1639	481778.09	3768314.22	5.0462E-06	2.1017E-06	0.00E+00	7.15E-06	4.99E-06	3.06E-06	0.00E+00	8.05E-06	9.17E-07	5.21E-07	0.00E+00	1.44E-06	5.12E-07	4.50E-07	0.00E+00	9.61E-07
1640	481781.58	3768322.8	5.1279E-06	2.1357E-06	0.00E+00	7.26E-06	5.07E-06	3.11E-06	0.00E+00	8.18E-06	9.32E-07	5.29E-07	0.00E+00	1.46E-06	5.20E-07	4.57E-07	0.00E+00	9.77E-07
1641	481517.99	3768080.9	1.1859E-06	4.9392E-07	0.00E+00	1.68E-06	1.17E-06	7.19E-07	0.00E+00	1.89E-06	2.15E-07	1.22E-07	0.00E+00	3.38E-07	1.20E-07	1.06E-07	0.00E+00	2.26E-07
1642	481508.49	3768080.86	1.1581E-06	4.8235E-07	0.00E+00	1.64E-06	1.15E-06	7.02E-07	0.00E+00	1.85E-06	2.10E-07	1.20E-07	0.00E+00	3.30E-07	1.17E-07	1.03E-07	0.00E+00	2.21E-07
1643	481498.98	3768080.82	1.1315E-06	4.7125E-07	0.00E+00	1.60E-06	1.12E-06	6.86E-07	0.00E+00	1.81E-06	2.06E-07	1.17E-07	0.00E+00	3.22E-07	1.15E-07	1.01E-07	0.00E+00	2.16E-07
1644	481489.47	3768080.78	1.1053E-06	4.6034E-07	0.00E+00	1.57E-06	1.09E-06	6.70E-07	0.00E+00	1.76E-06	2.01E-07	1.14E-07	0.00E+00	3.15E-07	1.12E-07	9.85E-08	0.00E+00	2.11E-07
1645	481479.96	3768080.74	1.0796E-06	4.4963E-07	0.00E+00	1.53E-06	1.07E-06	6.5										

1720	481337.36	3768070.31	7.5327E-07	3.1373E-07	0.00E+00	1.07E-06	7.45E-07	4.56E-07	0.00E+00	1.20E-06	1.37E-07	7.78E-08	0.00E+00	2.15E-07	7.64E-08	6.71E-08	0.00E+00	1.44E-07
1721	481552.8	3768071.85	1.2154E-06	5.0621E-07	0.00E+00	1.79E-06	1.20E-06	7.37E-07	0.00E+00	1.94E-06	2.21E-07	1.25E-07	0.00E+00	3.46E-07	1.23E-07	1.08E-07	0.00E+00	2.32E-07
1722	481561.21	3768075.38	0.000001264	5.2647E-07	0.00E+00	1.72E-06	1.25E-06	7.66E-07	0.00E+00	2.02E-06	2.30E-07	1.30E-07	0.00E+00	3.60E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
1723	481569.61	3768078.91	1.3142E-06	5.4735E-07	0.00E+00	1.86E-06	1.30E-06	7.96E-07	0.00E+00	2.10E-06	2.39E-07	1.36E-07	0.00E+00	3.74E-07	1.33E-07	1.17E-07	0.00E+00	2.50E-07
1724	481578.02	3768082.44	1.3657E-06	5.6882E-07	0.00E+00	1.93E-06	1.35E-06	8.28E-07	0.00E+00	2.18E-06	2.48E-07	1.41E-07	0.00E+00	3.89E-07	1.39E-07	1.22E-07	0.00E+00	2.60E-07
1725	481586.42	3768085.97	1.4185E-06	5.908E-07	0.00E+00	2.01E-06	1.40E-06	8.60E-07	0.00E+00	2.26E-06	2.58E-07	1.46E-07	0.00E+00	4.04E-07	1.44E-07	1.26E-07	0.00E+00	2.70E-07
1726	481594.83	3768089.5	1.4724E-06	6.1324E-07	0.00E+00	2.09E-06	1.46E-06	8.92E-07	0.00E+00	2.35E-06	2.68E-07	1.52E-07	0.00E+00	4.20E-07	1.49E-07	1.31E-07	0.00E+00	2.81E-07
1727	481603.23	3768093.03	1.5276E-06	6.3623E-07	0.00E+00	2.16E-06	1.51E-06	9.26E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.35E-07	1.55E-07	1.36E-07	0.00E+00	2.91E-07
1728	481611.64	3768096.56	1.5842E-06	6.5981E-07	0.00E+00	2.24E-06	1.57E-06	9.60E-07	0.00E+00	2.53E-06	2.88E-07	1.64E-07	0.00E+00	4.51E-07	1.61E-07	1.41E-07	0.00E+00	3.02E-07
1729	481620.04	3768100.1	1.6415E-06	6.8366E-07	0.00E+00	2.33E-06	1.62E-06	9.95E-07	0.00E+00	2.62E-06	2.98E-07	1.69E-07	0.00E+00	4.68E-07	1.67E-07	1.46E-07	0.00E+00	3.13E-07
1730	481628.45	3768103.63	0.000001699	7.0761E-07	0.00E+00	2.41E-06	1.68E-06	1.03E-06	0.00E+00	2.71E-06	3.09E-07	1.75E-07	0.00E+00	4.84E-07	1.72E-07	1.51E-07	0.00E+00	3.24E-07
1731	481636.85	3768107.16	1.7555E-06	7.3116E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
1732	481645.26	3768110.69	1.8116E-06	7.5453E-07	0.00E+00	2.57E-06	1.79E-06	1.10E-06	0.00E+00	2.89E-06	3.29E-07	1.87E-07	0.00E+00	5.16E-07	1.84E-07	1.61E-07	0.00E+00	3.45E-07
1733	481653.66	3768114.22	1.8672E-06	7.7768E-07	0.00E+00	2.64E-06	1.85E-06	1.13E-06	0.00E+00	2.98E-06	3.39E-07	1.93E-07	0.00E+00	5.32E-07	1.89E-07	1.66E-07	0.00E+00	3.56E-07
1734	481662.07	3768117.75	0.000001922	8.0051E-07	0.00E+00	2.72E-06	1.90E-06	1.16E-06	0.00E+00	3.07E-06	3.49E-07	1.98E-07	0.00E+00	5.48E-07	1.95E-07	1.71E-07	0.00E+00	3.66E-07
1735	481670.47	3768121.28	1.9758E-06	8.2291E-07	0.00E+00	2.80E-06	1.96E-06	1.20E-06	0.00E+00	3.15E-06	3.59E-07	2.04E-07	0.00E+00	5.63E-07	2.00E-07	1.76E-07	0.00E+00	3.76E-07
1736	481678.88	3768124.81	1.9641E-06	8.1805E-07	0.00E+00	2.78E-06	1.94E-06	1.19E-06	0.00E+00	3.13E-06	3.57E-07	2.03E-07	0.00E+00	5.60E-07	1.99E-07	1.75E-07	0.00E+00	3.74E-07
1737	481687.28	3768128.34	2.0115E-06	8.3778E-07	0.00E+00	2.85E-06	1.99E-06	1.22E-06	0.00E+00	3.21E-06	3.65E-07	2.08E-07	0.00E+00	5.73E-07	2.04E-07	1.79E-07	0.00E+00	3.83E-07
1738	481695.69	3768131.87	2.0614E-06	8.5856E-07	0.00E+00	2.92E-06	2.04E-06	1.25E-06	0.00E+00	3.29E-06	3.75E-07	2.13E-07	0.00E+00	5.87E-07	2.09E-07	1.84E-07	0.00E+00	3.93E-07
1739	481704.09	3768135.4	2.1115E-06	8.7941E-07	0.00E+00	2.99E-06	2.09E-06	1.28E-06	0.00E+00	3.37E-06	3.84E-07	2.18E-07	0.00E+00	6.02E-07	2.14E-07	1.88E-07	0.00E+00	4.02E-07
1740	481712.5	3768138.93	2.1601E-06	8.9965E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.92E-07	2.23E-07	0.00E+00	6.15E-07	2.19E-07	1.92E-07	0.00E+00	4.12E-07
1741	481720.91	3768142.46	2.2053E-06	9.1849E-07	0.00E+00	3.12E-06	2.18E-06	1.34E-06	0.00E+00	3.52E-06	4.01E-07	2.28E-07	0.00E+00	6.28E-07	2.24E-07	1.96E-07	0.00E+00	4.20E-07
1742	481732.74	3768154.44	2.3612E-06	9.8345E-07	0.00E+00	3.34E-06	2.34E-06	1.43E-06	0.00E+00	3.77E-06	4.29E-07	2.44E-07	0.00E+00	6.73E-07	2.40E-07	2.10E-07	0.00E+00	4.50E-07
1743	481736.18	3768162.88	2.4824E-06	1.0339E-06	0.00E+00	3.52E-06	2.46E-06	1.50E-06	0.00E+00	3.96E-06	4.51E-07	2.56E-07	0.00E+00	7.07E-07	2.52E-07	2.21E-07	0.00E+00	4.73E-07
1744	481743.04	3768179.77	2.7345E-06	1.1389E-06	0.00E+00	3.72E-06	2.71E-06	1.66E-06	0.00E+00	4.36E-06	4.97E-07	2.82E-07	0.00E+00	7.79E-07	2.77E-07	2.44E-07	0.00E+00	5.21E-07
1745	481746.48	3768188.22	2.8658E-06	1.1936E-06	0.00E+00	4.06E-06	2.84E-06	1.74E-06	0.00E+00	4.57E-06	5.21E-07	2.96E-07	0.00E+00	8.17E-07	2.91E-07	2.55E-07	0.00E+00	5.46E-07
1746	481749.91	3768196.66	3.0002E-06	1.2496E-06	0.00E+00	4.25E-06	2.97E-06	1.82E-06	0.00E+00	4.79E-06	5.45E-07	3.10E-07	0.00E+00	8.55E-07	3.04E-07	2.67E-07	0.00E+00	5.72E-07
1747	481756.78	3768213.55	3.2747E-06	1.3639E-06	0.00E+00	4.64E-06	3.24E-06	1.98E-06	0.00E+00	5.23E-06	5.95E-07	3.38E-07	0.00E+00	9.33E-07	3.32E-07	2.92E-07	0.00E+00	6.24E-07
1748	481760.21	3768222	3.4161E-06	1.4228E-06	0.00E+00	4.84E-06	3.38E-06	2.07E-06	0.00E+00	5.45E-06	6.21E-07	3.53E-07	0.00E+00	9.73E-07	3.47E-07	3.04E-07	0.00E+00	6.51E-07
1749	481763.65	3768230.44	3.5574E-06	1.4816E-06	0.00E+00	5.04E-06	3.52E-06	2.16E-06	0.00E+00	5.68E-06	6.46E-07	3.67E-07	0.00E+00	1.01E-06	3.61E-07	3.17E-07	0.00E+00	6.78E-07
1750	481767.08	3768238.89	3.6974E-06	1.5399E-06	0.00E+00	5.24E-06	3.66E-06	2.24E-06	0.00E+00	5.90E-06	6.72E-07	3.82E-07	0.00E+00	1.05E-06	3.75E-07	3.29E-07	0.00E+00	7.04E-07
1751	481773.95	3768255.78	3.9702E-06	1.6536E-06	0.00E+00	5.62E-06	3.93E-06	2.41E-06	0.00E+00	6.33E-06	7.21E-07	4.10E-07	0.00E+00	1.13E-06	4.03E-07	3.54E-07	0.00E+00	7.56E-07
1752	481777.38	3768264.22	4.1006E-06	1.7079E-06	0.00E+00	5.81E-06	4.06E-06	2.49E-06	0.00E+00	6.54E-06	7.45E-07	4.23E-07	0.00E+00	1.17E-06	4.16E-07	3.65E-07	0.00E+00	7.81E-07
1753	481780.81	3768272.67	4.2253E-06	1.7598E-06	0.00E+00	5.99E-06	4.18E-06	2.56E-06	0.00E+00	6.74E-06	7.68E-07	4.36E-07	0.00E+00	1.20E-06	4.29E-07	3.76E-07	0.00E+00	8.05E-07
1754	481787.68	3768289.56	4.4527E-06	1.8545E-06	0.00E+00	6.31E-06	4.41E-06	2.70E-06	0.00E+00	7.10E-06	8.09E-07	4.60E-07	0.00E+00	1.27E-06	4.52E-07	3.97E-07	0.00E+00	8.48E-07
1755	481791.11	3768298.01	4.5534E-06	1.8965E-06	0.00E+00	6.45E-06	4.51E-06	2.76E-06	0.00E+00	7.27E-06	8.27E-07	4.70E-07	0.00E+00	1.30E-06	4.62E-07	4.06E-07	0.00E+00	8.68E-07
1756	481794.55	3768306.45	4.6434E-06	1.9339E-06	0.00E+00	6.58E-06	4.59E-06	2.81E-06	0.00E+00	7.41E-06	8.44E-07	4.79E-07	0.00E+00	1.32E-06	4.71E-07	4.14E-07	0.00E+00	8.85E-07
1757	481797.98	3768314.9	4.7218E-06	1.9666E-06	0.00E+00	6.69E-06	4.67E-06	2.86E-06	0.00E+00	7.53E-06	8.58E-07	4.87E-07	0.00E+00	1.35E-06	4.79E-07	4.21E-07	0.00E+00	9.00E-07
1758	481801.41	3768322.11	4.8011E-06	2.0000E-06	0.00E+00	6.80E-06	4.75E-06	2.91E-06	0.00E+00	7.65E-06	8.76E-07	4.96E-07	0.00E+00	1.38E-06	4.87E-07	4.29E-07	0.00E+00	9.15E-07
1759	481804.84	3768330.32	4.8755E-06	2.0333E-06	0.00E+00	6.91E-06	4.84E-06	2.96E-06	0.00E+00	7.79E-06	8.95E-07	5.05E-07	0.00E+00	1.41E-06	4.96E-07	4.37E-07	0.00E+00	9.30E-07
1760	481808.27	3768338.53	4.9500E-06	2.0667E-06	0.00E+00	7.02E-06	4.93E-06	3.01E-06	0.00E+00	7.93E-06	9.14E-07	5.14E-07	0.00E+00	1.44E-06	5.05E-07	4.45E-07	0.00E+00	9.45E-07
1761	481811.70	3768346.74	5.0244E-06	2.1000E-06	0.00E+00	7.13E-06	5.02E-06	3.06E-06	0.00E+00	8.07E-06	9.33E-07	5.23E-07	0.00E+00	1.47E-06	5.14E-07	4.53E-07	0.00E+00	9.60E-07
1762	481815.13	3768354.95	5.0989E-06	2.1333E-06	0.00E+00	7.24E-06	5.11E-06	3.11E-06	0.00E+00	8.21E-06	9.52E-07	5.32E-07	0.00E+00	1.50E-06	5.23E-07	4.61E-07	0.00E+00	9.75E-07
1763	481818.56	3768363.16	5.1734E-06	2.1667E-06	0.00E+00	7.35E-06	5.20E-06	3.16E-06	0.00E+00	8.35E-06	9.71E-07	5.41E-07	0.00E+00	1.53E-06	5.32E-07	4.69E-07	0.00E+00	9.90E-07
1764	481821.99	3768371.37	5.2479E-06	2.2000E-06	0.00E+00	7.46E-06	5.29E-06	3.21E-06	0.00E+00	8.49E-06	9.90E-07	5.50E-07	0.00E+00	1.56E-06	5.41E-07	4.77E-07	0.00E+00	1.00E-06
1765	481825.42	3768379.58	5.3224E-06	2.2333E-06	0.00E+00	7.57E-06	5.38E-06	3.26E-06	0.00E+00	8.63E-06	1.00E-06	5.59E-07	0.00E+00	1.59E-06	5.50E-07	4.85E-07	0.00E+00	1.01E-06
1766	481828.85	3768387.79	5.3969E-06	2.2667E-06	0.00E+00	7.68E-06	5.47E-06	3.31E-06	0.00E+00	8.77E-06	1.01E-06	5.68E-07	0.00E+00	1.62E-06	5.59E-07	4.93E-07	0.00E+00	1.02E-06
1767	481832.28	3768396.00	5.4714E-06	2.3000E-06	0.00E+00	7.79E-06	5.56E-06	3.36E-06	0.00E+00	8.91E-06	1.02E-06	5.77E-07	0.00E+00	1.65E-06	5.68E-07	5.01E-07	0.00E+00	1.03E-06
1768	481835.71	3768404.21	5.5459E-06	2.3333E-06	0.00E+00	7.90E-06	5.65E-06	3										

1843	481588.05	3768066.94	1.2651E-06	5.269E-07	0.00E+00	1.79E-06	1.25E-06	7.67E-07	0.00E+00	2.02E-06	2.30E-07	1.31E-07	0.00E+00	3.60E-07	1.28E-07	1.13E-07	0.00E+00	2.41E-07
1844	481596.67	3768070.57	0.000001313	5.4686E-07	0.00E+00	1.86E-06	1.30E-06	7.97E-07	0.00E+00	2.09E-06	2.39E-07	1.36E-07	0.00E+00	3.74E-07	1.33E-07	1.17E-07	0.00E+00	2.50E-07
1845	481605.3	3768074.19	1.3621E-06	5.6729E-07	0.00E+00	1.93E-06	1.35E-06	8.25E-07	0.00E+00	2.17E-06	2.47E-07	1.41E-07	0.00E+00	3.88E-07	1.38E-07	1.21E-07	0.00E+00	2.60E-07
1846	481613.92	3768077.81	1.4124E-06	5.8827E-07	0.00E+00	2.00E-06	1.40E-06	8.56E-07	0.00E+00	2.25E-06	2.57E-07	1.46E-07	0.00E+00	4.02E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
1847	481622.55	3768081.44	1.4638E-06	6.0965E-07	0.00E+00	2.07E-06	1.45E-06	8.87E-07	0.00E+00	2.34E-06	2.66E-07	1.51E-07	0.00E+00	4.17E-07	1.48E-07	1.30E-07	0.00E+00	2.79E-07
1848	481631.17	3768085.06	1.5153E-06	6.3112E-07	0.00E+00	2.15E-06	1.50E-06	9.18E-07	0.00E+00	2.42E-06	2.75E-07	1.56E-07	0.00E+00	4.32E-07	1.54E-07	1.35E-07	0.00E+00	2.89E-07
1849	481639.8	3768088.68	1.5662E-06	6.5232E-07	0.00E+00	2.22E-06	1.55E-06	9.49E-07	0.00E+00	2.50E-06	2.85E-07	1.62E-07	0.00E+00	4.46E-07	1.59E-07	1.40E-07	0.00E+00	2.98E-07
1850	481648.42	3768092.3	1.6171E-06	6.7352E-07	0.00E+00	2.29E-06	1.60E-06	9.80E-07	0.00E+00	2.58E-06	2.94E-07	1.67E-07	0.00E+00	4.61E-07	1.64E-07	1.44E-07	0.00E+00	3.08E-07
1851	481657.05	3768095.93	1.6679E-06	6.9469E-07	0.00E+00	2.36E-06	1.65E-06	1.01E-06	0.00E+00	2.66E-06	3.03E-07	1.72E-07	0.00E+00	4.75E-07	1.69E-07	1.49E-07	0.00E+00	3.18E-07
1852	481665.67	3768099.55	1.7181E-06	7.1559E-07	0.00E+00	2.43E-06	1.70E-06	1.04E-06	0.00E+00	2.74E-06	3.12E-07	1.77E-07	0.00E+00	4.90E-07	1.74E-07	1.53E-07	0.00E+00	3.27E-07
1853	481674.3	3768103.17	1.7677E-06	7.3623E-07	0.00E+00	2.50E-06	1.75E-06	1.07E-06	0.00E+00	2.82E-06	3.21E-07	1.82E-07	0.00E+00	5.04E-07	1.79E-07	1.57E-07	0.00E+00	3.37E-07
1854	481682.93	3768106.8	1.7556E-06	7.312E-07	0.00E+00	2.49E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
1855	481691.55	3768110.42	1.8006E-06	7.4993E-07	0.00E+00	2.55E-06	1.78E-06	1.09E-06	0.00E+00	2.87E-06	3.27E-07	1.86E-07	0.00E+00	5.13E-07	1.83E-07	1.60E-07	0.00E+00	3.43E-07
1856	481700.18	3768114.04	1.8487E-06	7.6996E-07	0.00E+00	2.62E-06	1.83E-06	1.12E-06	0.00E+00	2.95E-06	3.36E-07	1.91E-07	0.00E+00	5.27E-07	1.88E-07	1.65E-07	0.00E+00	3.52E-07
1857	481708.8	3768117.67	1.8956E-06	7.8952E-07	0.00E+00	2.69E-06	1.88E-06	1.15E-06	0.00E+00	3.02E-06	3.44E-07	1.96E-07	0.00E+00	5.40E-07	1.92E-07	1.69E-07	0.00E+00	3.61E-07
1858	481717.43	3768121.29	0.000001941	8.0844E-07	0.00E+00	2.75E-06	1.92E-06	1.18E-06	0.00E+00	3.10E-06	3.53E-07	2.00E-07	0.00E+00	5.53E-07	1.97E-07	1.73E-07	0.00E+00	3.70E-07
1859	481726.05	3768124.91	1.9814E-06	8.2525E-07	0.00E+00	2.81E-06	1.96E-06	1.20E-06	0.00E+00	3.16E-06	3.60E-07	2.05E-07	0.00E+00	5.65E-07	2.01E-07	1.77E-07	0.00E+00	3.78E-07
1860	481734.68	3768128.53	2.0187E-06	8.4077E-07	0.00E+00	2.86E-06	2.00E-06	1.22E-06	0.00E+00	3.22E-06	3.67E-07	2.08E-07	0.00E+00	5.75E-07	2.05E-07	1.80E-07	0.00E+00	3.85E-07
1861	481746.83	3768140.82	2.1577E-06	8.9868E-07	0.00E+00	3.06E-06	2.14E-06	1.31E-06	0.00E+00	3.44E-06	3.92E-07	2.23E-07	0.00E+00	6.15E-07	2.19E-07	1.92E-07	0.00E+00	4.11E-07
1862	481750.35	3768149.49	2.2683E-06	9.4472E-07	0.00E+00	3.21E-06	2.24E-06	1.37E-06	0.00E+00	3.62E-06	4.12E-07	2.34E-07	0.00E+00	6.46E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07
1863	481753.87	3768158.16	2.3826E-06	9.9234E-07	0.00E+00	3.37E-06	2.36E-06	1.44E-06	0.00E+00	3.80E-06	4.33E-07	2.46E-07	0.00E+00	6.79E-07	2.42E-07	2.12E-07	0.00E+00	4.54E-07
1864	481757.4	3768166.82	2.5002E-06	1.0413E-06	0.00E+00	3.54E-06	2.47E-06	1.52E-06	0.00E+00	3.99E-06	4.54E-07	2.58E-07	0.00E+00	7.12E-07	2.54E-07	2.23E-07	0.00E+00	4.76E-07
1865	481760.92	3768175.49	2.6168E-06	1.0899E-06	0.00E+00	3.71E-06	2.59E-06	1.59E-06	0.00E+00	4.18E-06	4.75E-07	2.70E-07	0.00E+00	7.46E-07	2.65E-07	2.33E-07	0.00E+00	4.99E-07
1866	481764.45	3768184.16	2.7366E-06	1.1398E-06	0.00E+00	3.88E-06	2.71E-06	1.66E-06	0.00E+00	4.37E-06	4.97E-07	2.82E-07	0.00E+00	7.80E-07	2.78E-07	2.44E-07	0.00E+00	5.21E-07
1867	481767.97	3768192.82	2.8589E-06	1.1907E-06	0.00E+00	4.05E-06	2.83E-06	1.73E-06	0.00E+00	4.56E-06	5.19E-07	2.95E-07	0.00E+00	8.15E-07	2.90E-07	2.55E-07	0.00E+00	5.45E-07
1868	481771.49	3768201.49	2.9857E-06	1.2435E-06	0.00E+00	4.23E-06	2.95E-06	1.81E-06	0.00E+00	4.76E-06	5.42E-07	3.08E-07	0.00E+00	8.51E-07	3.03E-07	2.66E-07	0.00E+00	5.69E-07
1869	481775.02	3768210.16	0.000003116	1.2978E-06	0.00E+00	4.41E-06	3.08E-06	1.89E-06	0.00E+00	4.97E-06	5.66E-07	3.22E-07	0.00E+00	8.88E-07	3.16E-07	2.78E-07	0.00E+00	5.94E-07
1870	481778.54	3768218.82	3.2476E-06	1.3526E-06	0.00E+00	4.60E-06	3.21E-06	1.97E-06	0.00E+00	5.18E-06	5.90E-07	3.35E-07	0.00E+00	9.25E-07	3.29E-07	2.89E-07	0.00E+00	6.19E-07
1871	481782.06	3768227.49	0.000003378	1.4069E-06	0.00E+00	4.78E-06	3.34E-06	2.05E-06	0.00E+00	5.39E-06	6.14E-07	3.49E-07	0.00E+00	9.62E-07	3.43E-07	3.01E-07	0.00E+00	6.44E-07
1872	481785.59	3768236.16	3.5036E-06	1.4592E-06	0.00E+00	4.96E-06	3.47E-06	2.12E-06	0.00E+00	5.59E-06	6.37E-07	3.62E-07	0.00E+00	9.98E-07	3.55E-07	3.12E-07	0.00E+00	6.68E-07
1873	481789.11	3768244.82	3.6273E-06	1.5108E-06	0.00E+00	5.14E-06	3.59E-06	2.20E-06	0.00E+00	5.79E-06	6.59E-07	3.74E-07	0.00E+00	1.03E-06	3.68E-07	3.23E-07	0.00E+00	6.91E-07
1874	481792.63	3768253.49	3.7484E-06	1.5612E-06	0.00E+00	5.31E-06	3.71E-06	2.27E-06	0.00E+00	5.98E-06	6.81E-07	3.87E-07	0.00E+00	1.07E-06	3.80E-07	3.34E-07	0.00E+00	7.14E-07
1875	481796.16	3768262.16	3.8654E-06	1.6099E-06	0.00E+00	5.48E-06	3.82E-06	2.34E-06	0.00E+00	6.17E-06	7.02E-07	3.99E-07	0.00E+00	1.10E-06	3.92E-07	3.44E-07	0.00E+00	7.36E-07
1876	481799.68	3768270.82	3.9772E-06	1.6565E-06	0.00E+00	5.63E-06	3.94E-06	2.41E-06	0.00E+00	6.35E-06	7.23E-07	4.11E-07	0.00E+00	1.13E-06	4.03E-07	3.54E-07	0.00E+00	7.58E-07
1877	481803.2	3768279.49	4.0827E-06	1.7004E-06	0.00E+00	5.78E-06	4.04E-06	2.47E-06	0.00E+00	6.51E-06	7.42E-07	4.21E-07	0.00E+00	1.16E-06	4.14E-07	3.64E-07	0.00E+00	7.78E-07
1878	481806.73	3768288.16	4.1806E-06	1.7412E-06	0.00E+00	5.92E-06	4.14E-06	2.53E-06	0.00E+00	6.67E-06	7.60E-07	4.32E-07	0.00E+00	1.19E-06	4.24E-07	3.72E-07	0.00E+00	7.97E-07
1879	481810.25	3768296.82	4.2696E-06	1.7782E-06	0.00E+00	6.05E-06	4.22E-06	2.59E-06	0.00E+00	6.81E-06	7.76E-07	4.41E-07	0.00E+00	1.22E-06	4.33E-07	3.80E-07	0.00E+00	8.13E-07
1880	481813.77	3768305.49	4.3485E-06	1.8111E-06	0.00E+00	6.16E-06	4.30E-06	2.64E-06	0.00E+00	6.94E-06	7.90E-07	4.49E-07	0.00E+00	1.24E-06	4.41E-07	3.87E-07	0.00E+00	8.29E-07
1881	481817.3	3768314.16	4.4167E-06	1.8395E-06	0.00E+00	6.26E-06	4.37E-06	2.68E-06	0.00E+00	7.05E-06	8.03E-07	4.56E-07	0.00E+00	1.26E-06	4.48E-07	3.93E-07	0.00E+00	8.42E-07
1882	481820.82	3768322.82	4.4727E-06	1.8629E-06	0.00E+00	6.34E-06	4.43E-06	2.71E-06	0.00E+00	7.14E-06	8.13E-07	4.62E-07	0.00E+00	1.27E-06	4.54E-07	3.98E-07	0.00E+00	8.52E-07
1883	481824.34	3768331.49	4.5299E-06	1.8871E-06	0.00E+00	6.42E-06	4.49E-06	2.74E-06	0.00E+00	7.23E-06	8.22E-07	4.69E-07	0.00E+00	1.28E-06	4.59E-07	4.03E-07	0.00E+00	8.63E-07
1884	481827.86	3768340.16	4.5871E-06	1.9113E-06	0.00E+00	6.50E-06	4.55E-06	2.77E-06	0.00E+00	7.32E-06	8.31E-07	4.76E-07	0.00E+00	1.29E-06	4.64E-07	4.08E-07	0.00E+00	8.74E-07
1885	481831.37	3768348.83	4.6443E-06	1.9355E-06	0.00E+00	6.58E-06	4.61E-06	2.80E-06	0.00E+00	7.41E-06	8.40E-07	4.83E-07	0.00E+00	1.30E-06	4.69E-07	4.13E-07	0.00E+00	8.85E-07
1886	481834.88	3768356.5	4.7015E-06	1.9597E-06	0.00E+00	6.66E-06	4.67E-06	2.83E-06	0.00E+00	7.50E-06	8.49E-07	4.90E-07	0.00E+00	1.31E-06	4.74E-07	4.18E-07	0.00E+00	8.96E-07
1887	481838.39	3768364.17	4.7587E-06	1.9839E-06	0.00E+00	6.74E-06	4.73E-06	2.86E-06	0.00E+00	7.59E-06	8.58E-07	4.97E-07	0.00E+00	1.32E-06	4.79E-07	4.23E-07	0.00E+00	9.07E-07
1888	481841.9	3768371.84	4.8159E-06	2.0081E-06	0.00E+00	6.82E-06	4.79E-06	2.89E-06	0.00E+00	7.68E-06	8.67E-07	5.04E-07	0.00E+00	1.33E-06	4.84E-07	4.28E-07	0.00E+00	9.18E-07
1889	481845.41	3768379.51	4.8731E-06	2.0323E-06	0.00E+00	6.90E-06	4.85E-06	2.92E-06	0.00E+00	7.77E-06	8.76E-07	5.11E-07	0.00E+00	1.34E-06	4.89E-07	4.33E-07	0.00E+00	9.29E-07
1890	481848.92	3768387.18	4.9303E-06	2.0565E-06	0.00E+00	6.98E-06	4.91E-06	2.95E-06	0.00E+00	7.86E-06	8.85E-07	5.18E-07	0.00E+00	1.35E-06	4.94E-07	4.38E-07	0.00E+00	9.40E-07
1891	481852.43	3768394.85	4.9875E-06	2.0807E-06	0.00E+00	7.06E-06	4.97E-06	2.9										

1966	481394.67	3768011.03	6.2493E-07	2.6028E-07	0.00E+00	8.85E-07	6.18E-07	3.79E-07	0.00E+00	9.97E-07	1.14E-07	6.45E-08	0.00E+00	1.78E-07	6.34E-08	5.57E-08	0.00E+00	1.19E-07
1967	481385.16	3768010.99	6.1469E-07	2.5602E-07	0.00E+00	8.71E-07	6.08E-07	3.73E-07	0.00E+00	9.81E-07	1.12E-07	6.34E-08	0.00E+00	1.75E-07	6.24E-08	5.48E-08	0.00E+00	1.17E-07
1968	481375.65	3768010.95	6.0513E-07	2.5204E-07	0.00E+00	8.57E-07	5.99E-07	3.67E-07	0.00E+00	9.66E-07	1.10E-07	6.25E-08	0.00E+00	1.72E-07	6.14E-08	5.39E-08	0.00E+00	1.15E-07
1969	481366.14	3768010.91	5.9618E-07	2.4831E-07	0.00E+00	8.44E-07	5.90E-07	3.61E-07	0.00E+00	9.51E-07	1.08E-07	6.15E-08	0.00E+00	1.70E-07	6.05E-08	5.31E-08	0.00E+00	1.14E-07
1970	481356.63	3768010.87	5.8779E-07	2.4481E-07	0.00E+00	8.33E-07	5.82E-07	3.56E-07	0.00E+00	9.38E-07	1.07E-07	6.07E-08	0.00E+00	1.67E-07	5.96E-08	5.24E-08	0.00E+00	1.12E-07
1971	481347.12	3768010.83	5.7991E-07	2.4153E-07	0.00E+00	8.21E-07	5.74E-07	3.51E-07	0.00E+00	9.25E-07	1.05E-07	5.99E-08	0.00E+00	1.65E-07	5.88E-08	5.17E-08	0.00E+00	1.10E-07
1972	481337.61	3768010.79	5.7259E-07	2.3848E-07	0.00E+00	8.11E-07	5.67E-07	3.47E-07	0.00E+00	9.14E-07	1.04E-07	5.91E-08	0.00E+00	1.63E-07	5.81E-08	5.10E-08	0.00E+00	1.09E-07
1973	481553.72	3767992.42	7.9152E-07	3.2967E-07	0.00E+00	1.12E-06	7.83E-07	4.80E-07	0.00E+00	1.26E-06	1.44E-07	8.17E-08	0.00E+00	2.26E-07	8.03E-08	7.05E-08	0.00E+00	1.51E-07
1974	481562.32	3767996.04	8.1921E-07	3.412E-07	0.00E+00	1.16E-06	8.11E-07	4.96E-07	0.00E+00	1.31E-06	1.49E-07	8.46E-08	0.00E+00	2.33E-07	8.31E-08	7.30E-08	0.00E+00	1.56E-07
1975	481570.93	3767999.65	8.4796E-07	3.5317E-07	0.00E+00	1.20E-06	8.39E-07	5.14E-07	0.00E+00	1.35E-06	1.54E-07	8.75E-08	0.00E+00	2.42E-07	8.60E-08	7.55E-08	0.00E+00	1.62E-07
1976	481579.53	3768003.26	8.7749E-07	3.6547E-07	0.00E+00	1.24E-06	8.68E-07	5.32E-07	0.00E+00	1.40E-06	1.59E-07	9.06E-08	0.00E+00	2.50E-07	8.90E-08	7.82E-08	0.00E+00	1.67E-07
1977	481588.13	3768006.88	9.0798E-07	3.7817E-07	0.00E+00	1.29E-06	8.98E-07	5.50E-07	0.00E+00	1.45E-06	1.65E-07	9.37E-08	0.00E+00	2.59E-07	9.21E-08	8.09E-08	0.00E+00	1.73E-07
1978	481596.73	3768010.49	9.393E-07	3.9122E-07	0.00E+00	1.33E-06	9.29E-07	5.69E-07	0.00E+00	1.50E-06	1.71E-07	9.70E-08	0.00E+00	2.68E-07	9.53E-08	8.37E-08	0.00E+00	1.79E-07
1979	481605.33	3768014.1	9.7141E-07	4.0459E-07	0.00E+00	1.38E-06	9.61E-07	5.89E-07	0.00E+00	1.55E-06	1.77E-07	1.00E-07	0.00E+00	2.77E-07	9.85E-08	8.65E-08	0.00E+00	1.85E-07
1980	481613.94	3768017.71	1.0043E-06	4.1828E-07	0.00E+00	1.42E-06	9.94E-07	6.09E-07	0.00E+00	1.60E-06	1.82E-07	1.04E-07	0.00E+00	2.86E-07	1.02E-07	8.95E-08	0.00E+00	1.91E-07
1981	481622.54	3768021.33	1.0379E-06	4.3228E-07	0.00E+00	1.47E-06	1.03E-06	6.29E-07	0.00E+00	1.66E-06	1.89E-07	1.07E-07	0.00E+00	2.96E-07	1.05E-07	9.25E-08	0.00E+00	1.98E-07
1982	481631.14	3768024.94	0.00001072	4.4649E-07	0.00E+00	1.52E-06	1.06E-06	6.50E-07	0.00E+00	1.71E-06	1.95E-07	1.11E-07	0.00E+00	3.05E-07	1.09E-07	9.55E-08	0.00E+00	2.04E-07
1983	481639.74	3768028.55	1.1067E-06	4.6092E-07	0.00E+00	1.57E-06	1.10E-06	6.71E-07	0.00E+00	1.77E-06	2.01E-07	1.14E-07	0.00E+00	3.15E-07	1.12E-07	9.86E-08	0.00E+00	2.11E-07
1984	481648.34	3768032.17	1.1418E-06	4.7555E-07	0.00E+00	1.62E-06	1.13E-06	6.92E-07	0.00E+00	1.82E-06	2.07E-07	1.18E-07	0.00E+00	3.25E-07	1.16E-07	1.02E-07	0.00E+00	2.18E-07
1985	481656.95	3768035.78	1.1772E-06	4.9029E-07	0.00E+00	1.67E-06	1.16E-06	7.13E-07	0.00E+00	1.88E-06	2.14E-07	1.22E-07	0.00E+00	3.35E-07	1.19E-07	1.05E-07	0.00E+00	2.24E-07
1986	481665.55	3768039.39	1.2127E-06	5.051E-07	0.00E+00	1.72E-06	1.20E-06	7.35E-07	0.00E+00	1.93E-06	2.20E-07	1.25E-07	0.00E+00	3.46E-07	1.23E-07	1.08E-07	0.00E+00	2.31E-07
1987	481674.15	3768043.01	1.2485E-06	0.00000052	0.00E+00	1.77E-06	1.24E-06	7.57E-07	0.00E+00	1.99E-06	2.27E-07	1.29E-07	0.00E+00	3.56E-07	1.27E-07	1.11E-07	0.00E+00	2.38E-07
1988	481682.75	3768046.62	1.2382E-06	5.1572E-07	0.00E+00	1.75E-06	1.23E-06	7.50E-07	0.00E+00	1.98E-06	2.25E-07	1.28E-07	0.00E+00	3.53E-07	1.26E-07	1.10E-07	0.00E+00	2.36E-07
1989	481691.35	3768050.23	1.2711E-06	5.2939E-07	0.00E+00	1.80E-06	1.26E-06	7.70E-07	0.00E+00	2.03E-06	2.31E-07	1.31E-07	0.00E+00	3.62E-07	1.29E-07	1.13E-07	0.00E+00	2.42E-07
1990	481699.95	3768053.84	1.3068E-06	5.443E-07	0.00E+00	1.85E-06	1.29E-06	7.92E-07	0.00E+00	2.09E-06	2.37E-07	1.35E-07	0.00E+00	3.72E-07	1.33E-07	1.16E-07	0.00E+00	2.49E-07
1991	481708.56	3768057.46	1.3425E-06	5.5916E-07	0.00E+00	1.90E-06	1.33E-06	8.14E-07	0.00E+00	2.14E-06	2.44E-07	1.39E-07	0.00E+00	3.83E-07	1.36E-07	1.20E-07	0.00E+00	2.56E-07
1992	481717.16	3768061.07	1.3778E-06	5.7384E-07	0.00E+00	1.95E-06	1.36E-06	8.35E-07	0.00E+00	2.20E-06	2.50E-07	1.42E-07	0.00E+00	3.93E-07	1.40E-07	1.23E-07	0.00E+00	2.63E-07
1993	481725.76	3768064.68	1.4102E-06	5.8734E-07	0.00E+00	2.00E-06	1.40E-06	8.55E-07	0.00E+00	2.25E-06	2.56E-07	1.46E-07	0.00E+00	4.02E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
1994	481734.36	3768068.3	1.4409E-06	6.0014E-07	0.00E+00	2.04E-06	1.43E-06	8.73E-07	0.00E+00	2.30E-06	2.62E-07	1.49E-07	0.00E+00	4.11E-07	1.46E-07	1.28E-07	0.00E+00	2.75E-07
1995	481742.96	3768071.91	0.00001471	6.1267E-07	0.00E+00	2.08E-06	1.46E-06	8.91E-07	0.00E+00	2.35E-06	2.67E-07	1.52E-07	0.00E+00	4.19E-07	1.49E-07	1.31E-07	0.00E+00	2.80E-07
1996	481751.57	3768075.52	1.5006E-06	6.2498E-07	0.00E+00	2.13E-06	1.48E-06	9.09E-07	0.00E+00	2.39E-06	2.73E-07	1.55E-07	0.00E+00	4.28E-07	1.52E-07	1.34E-07	0.00E+00	2.86E-07
1997	481760.17	3768079.14	1.5293E-06	6.3694E-07	0.00E+00	2.17E-06	1.51E-06	9.27E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.91E-07
1998	481768.77	3768082.75	0.00001557	6.4849E-07	0.00E+00	2.21E-06	1.54E-06	9.44E-07	0.00E+00	2.48E-06	2.83E-07	1.61E-07	0.00E+00	4.44E-07	1.58E-07	1.39E-07	0.00E+00	2.97E-07
1999	481777.37	3768086.36	1.5839E-06	6.5967E-07	0.00E+00	2.24E-06	1.57E-06	9.60E-07	0.00E+00	2.53E-06	2.88E-07	1.63E-07	0.00E+00	4.51E-07	1.61E-07	1.41E-07	0.00E+00	3.02E-07
2000	481789.49	3768098.62	1.6795E-06	6.9952E-07	0.00E+00	2.38E-06	1.66E-06	1.02E-06	0.00E+00	2.68E-06	3.05E-07	1.73E-07	0.00E+00	4.79E-07	1.70E-07	1.50E-07	0.00E+00	3.20E-07
2001	481793	3768107.26	1.7523E-06	7.2982E-07	0.00E+00	2.48E-06	1.73E-06	1.06E-06	0.00E+00	2.80E-06	3.18E-07	1.81E-07	0.00E+00	4.99E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
2002	481796.52	3768115.9	1.8292E-06	7.6186E-07	0.00E+00	2.59E-06	1.81E-06	1.11E-06	0.00E+00	2.92E-06	3.32E-07	1.89E-07	0.00E+00	5.21E-07	1.86E-07	1.63E-07	0.00E+00	3.49E-07
2003	481800.03	3768124.55	1.9098E-06	7.9544E-07	0.00E+00	2.71E-06	1.89E-06	1.16E-06	0.00E+00	3.05E-06	3.47E-07	1.97E-07	0.00E+00	5.44E-07	1.94E-07	1.70E-07	0.00E+00	3.64E-07
2004	481803.54	3768133.19	1.9937E-06	8.3037E-07	0.00E+00	2.82E-06	1.97E-06	1.21E-06	0.00E+00	3.18E-06	3.62E-07	2.06E-07	0.00E+00	5.68E-07	2.02E-07	1.78E-07	0.00E+00	3.80E-07
2005	481807.06	3768141.83	2.0789E-06	8.6587E-07	0.00E+00	2.94E-06	2.06E-06	1.26E-06	0.00E+00	3.32E-06	3.78E-07	2.15E-07	0.00E+00	5.92E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
2006	481810.57	3768150.48	2.1646E-06	9.0154E-07	0.00E+00	3.07E-06	2.14E-06	1.31E-06	0.00E+00	3.45E-06	3.93E-07	2.23E-07	0.00E+00	6.17E-07	2.20E-07	1.93E-07	0.00E+00	4.12E-07
2007	481814.09	3768159.12	0.00002251	9.3752E-07	0.00E+00	3.19E-06	2.23E-06	1.36E-06	0.00E+00	3.59E-06	4.09E-07	2.32E-07	0.00E+00	6.41E-07	2.28E-07	2.01E-07	0.00E+00	4.29E-07
2008	481817.6	3768167.76	2.3394E-06	9.7434E-07	0.00E+00	3.31E-06	2.31E-06	1.42E-06	0.00E+00	3.73E-06	4.25E-07	2.41E-07	0.00E+00	6.67E-07	2.37E-07	2.08E-07	0.00E+00	4.46E-07
2009	481821.11	3768176.4	2.4305E-06	1.0123E-06	0.00E+00	3.44E-06	2.41E-06	1.47E-06	0.00E+00	3.88E-06	4.42E-07	2.51E-07	0.00E+00	6.92E-07	2.47E-07	2.17E-07	0.00E+00	4.63E-07
2010	481824.63	3768185.05	2.5239E-06	1.0512E-06	0.00E+00	3.58E-06	2.50E-06	1.53E-06	0.00E+00	4.03E-06	4.59E-07	2.61E-07	0.00E+00	7.19E-07	2.56E-07	2.25E-07	0.00E+00	4.81E-07
2011	481828.14	3768193.69	2.6187E-06	1.0907E-06	0.00E+00	3.71E-06	2.59E-06	1.59E-06	0.00E+00	4.18E-06	4.76E-07	2.70E-07	0.00E+00	7.46E-07	2.66E-07	2.33E-07	0.00E+00	4.99E-07
2012	481831.65	3768202.33	2.7134E-06	1.1301E-06	0.00E+00	3.84E-06	2.69E-06	1.64E-06	0.00E+00	4.33E-06	4.93E-07	2.80E-07	0.00E+00	7.73E-07	2.75E-07	2.42E-07	0.00E+00	5.17E-07
2013	481835.17	3768210.98	2.8068E-06	0.00001169	0.00E+00	3.98E-06	2.78E-06	1.70E-06	0.00E+00	4.48E-06	5.10E-07	2.90E-07	0.00E+00	8.00E-07	2.85E-07	2.50E-07	0.00E+00	5.35E-07
2014	481838.68	3768219.62	2.8984E-06	1.2072E-06	0.00E+00	4.11E-06	2.87E-06	1.76E-										

2089	481857.22	3768191.65	0.000002474	1.0304E-06	0.00E+00	3.50E-06	2.45E-06	1.50E-06	0.00E+00	3.95E-06	4.50E-07	2.55E-07	0.00E+00	7.05E-07	2.51E-07	2.20E-07	0.00E+00	4.71E-07
2090	481860.78	3768200.42	0.000002556	1.0645E-06	0.00E+00	3.62E-06	2.53E-06	1.55E-06	0.00E+00	4.08E-06	4.64E-07	2.64E-07	0.00E+00	7.28E-07	2.59E-07	2.28E-07	0.00E+00	4.87E-07
2091	481864.35	3768209.18	2.6359E-06	1.0978E-06	0.00E+00	3.73E-06	2.61E-06	1.60E-06	0.00E+00	4.21E-06	4.79E-07	2.72E-07	0.00E+00	7.51E-07	2.67E-07	2.35E-07	0.00E+00	5.02E-07
2092	481867.91	3768217.95	0.000002715	1.1308E-06	0.00E+00	3.85E-06	2.69E-06	1.65E-06	0.00E+00	4.33E-06	4.93E-07	2.80E-07	0.00E+00	7.74E-07	2.75E-07	2.42E-07	0.00E+00	5.17E-07
2093	481871.48	3768226.72	2.7926E-06	1.1631E-06	0.00E+00	3.96E-06	2.76E-06	1.69E-06	0.00E+00	4.46E-06	5.07E-07	2.88E-07	0.00E+00	7.96E-07	2.83E-07	2.49E-07	0.00E+00	5.32E-07
2094	481875.04	3768235.49	2.8685E-06	1.1947E-06	0.00E+00	4.06E-06	2.84E-06	1.74E-06	0.00E+00	4.58E-06	5.21E-07	2.96E-07	0.00E+00	8.17E-07	2.91E-07	2.56E-07	0.00E+00	5.47E-07
2095	481878.61	3768244.26	2.9423E-06	1.2254E-06	0.00E+00	4.17E-06	2.91E-06	1.78E-06	0.00E+00	4.69E-06	5.35E-07	3.04E-07	0.00E+00	8.38E-07	2.98E-07	2.62E-07	0.00E+00	5.61E-07
2096	481882.17	3768253.03	0.000003013	1.2549E-06	0.00E+00	4.27E-06	2.98E-06	1.83E-06	0.00E+00	4.81E-06	5.47E-07	3.11E-07	0.00E+00	8.58E-07	3.06E-07	2.68E-07	0.00E+00	5.74E-07
2097	481885.74	3768261.8	3.0796E-06	1.2826E-06	0.00E+00	4.36E-06	3.05E-06	1.87E-06	0.00E+00	4.91E-06	5.60E-07	3.18E-07	0.00E+00	8.77E-07	3.12E-07	2.74E-07	0.00E+00	5.87E-07
2098	481889.3	3768270.56	3.1408E-06	1.3081E-06	0.00E+00	4.45E-06	3.11E-06	1.90E-06	0.00E+00	5.01E-06	5.71E-07	3.24E-07	0.00E+00	8.95E-07	3.19E-07	2.80E-07	0.00E+00	5.98E-07
2099	481892.87	3768279.33	3.1965E-06	1.3313E-06	0.00E+00	4.53E-06	3.16E-06	1.94E-06	0.00E+00	5.10E-06	5.81E-07	3.30E-07	0.00E+00	9.11E-07	3.24E-07	2.85E-07	0.00E+00	6.09E-07
2100	481896.43	3768288.1	3.2463E-06	1.3521E-06	0.00E+00	4.60E-06	3.21E-06	1.97E-06	0.00E+00	5.18E-06	5.90E-07	3.35E-07	0.00E+00	9.25E-07	3.29E-07	2.89E-07	0.00E+00	6.19E-07
2101	481900	3768296.87	3.2897E-06	1.3701E-06	0.00E+00	4.66E-06	3.26E-06	1.99E-06	0.00E+00	5.25E-06	5.98E-07	3.40E-07	0.00E+00	9.37E-07	3.34E-07	2.93E-07	0.00E+00	6.27E-07
2102	481903.56	3768305.64	3.3263E-06	1.3854E-06	0.00E+00	4.71E-06	3.29E-06	2.02E-06	0.00E+00	5.31E-06	6.04E-07	3.43E-07	0.00E+00	9.48E-07	3.37E-07	2.96E-07	0.00E+00	6.34E-07
2103	481907.13	3768314.41	3.3554E-06	1.3975E-06	0.00E+00	4.75E-06	3.32E-06	2.03E-06	0.00E+00	5.35E-06	6.10E-07	3.46E-07	0.00E+00	9.56E-07	3.40E-07	2.99E-07	0.00E+00	6.39E-07
2104	481910.69	3768323.18	3.3769E-06	1.4064E-06	0.00E+00	4.78E-06	3.34E-06	2.05E-06	0.00E+00	5.39E-06	6.14E-07	3.49E-07	0.00E+00	9.62E-07	3.43E-07	3.01E-07	0.00E+00	6.43E-07
2105	481518.53	3767951.54	6.1309E-07	2.5535E-07	0.00E+00	8.68E-07	6.07E-07	3.72E-07	0.00E+00	9.78E-07	1.11E-07	6.33E-08	0.00E+00	1.75E-07	6.22E-08	5.46E-08	0.00E+00	1.17E-07
2106	481509.02	3767951.5	6.0177E-07	2.5063E-07	0.00E+00	8.52E-07	5.95E-07	3.65E-07	0.00E+00	9.60E-07	1.09E-07	6.21E-08	0.00E+00	1.71E-07	6.10E-08	5.36E-08	0.00E+00	1.15E-07
2107	481499.51	3767951.47	5.9071E-07	2.4603E-07	0.00E+00	8.37E-07	5.85E-07	3.58E-07	0.00E+00	9.43E-07	1.07E-07	6.10E-08	0.00E+00	1.68E-07	5.99E-08	5.26E-08	0.00E+00	1.13E-07
2108	481490	3767951.43	5.7987E-07	2.4151E-07	0.00E+00	8.21E-07	5.74E-07	3.51E-07	0.00E+00	9.25E-07	1.05E-07	5.99E-08	0.00E+00	1.65E-07	5.88E-08	5.17E-08	0.00E+00	1.10E-07
2109	481480.5	3767951.39	5.6932E-07	2.3712E-07	0.00E+00	8.06E-07	5.63E-07	3.45E-07	0.00E+00	9.08E-07	1.03E-07	5.88E-08	0.00E+00	1.62E-07	5.78E-08	5.07E-08	0.00E+00	1.08E-07
2110	481470.99	3767951.35	5.5906E-07	2.3285E-07	0.00E+00	7.92E-07	5.53E-07	3.39E-07	0.00E+00	8.92E-07	1.02E-07	5.77E-08	0.00E+00	1.59E-07	5.67E-08	4.98E-08	0.00E+00	1.07E-07
2111	481461.48	3767951.31	5.491E-07	2.287E-07	0.00E+00	7.78E-07	5.43E-07	3.33E-07	0.00E+00	8.76E-07	9.98E-08	5.67E-08	0.00E+00	1.56E-07	5.57E-08	4.89E-08	0.00E+00	1.05E-07
2112	481451.97	3767951.27	5.3946E-07	2.2468E-07	0.00E+00	7.64E-07	5.34E-07	3.27E-07	0.00E+00	8.61E-07	9.80E-08	5.57E-08	0.00E+00	1.54E-07	5.47E-08	4.81E-08	0.00E+00	1.03E-07
2113	481442.46	3767951.23	5.3019E-07	2.2082E-07	0.00E+00	7.51E-07	5.25E-07	3.21E-07	0.00E+00	8.46E-07	9.63E-08	5.47E-08	0.00E+00	1.51E-07	5.38E-08	4.72E-08	0.00E+00	1.01E-07
2114	481432.95	3767951.19	5.2129E-07	2.1712E-07	0.00E+00	7.38E-07	5.16E-07	3.16E-07	0.00E+00	8.32E-07	9.47E-08	5.38E-08	0.00E+00	1.49E-07	5.29E-08	4.64E-08	0.00E+00	9.93E-08
2115	481423.44	3767951.15	5.1276E-07	2.1356E-07	0.00E+00	7.26E-07	5.07E-07	3.11E-07	0.00E+00	8.18E-07	9.32E-08	5.29E-08	0.00E+00	1.46E-07	5.20E-08	4.57E-08	0.00E+00	9.77E-08
2116	481413.93	3767951.11	5.0457E-07	2.1015E-07	0.00E+00	7.15E-07	4.99E-07	3.06E-07	0.00E+00	8.05E-07	9.17E-08	5.21E-08	0.00E+00	1.44E-07	5.12E-08	4.50E-08	0.00E+00	9.61E-08
2117	481404.42	3767951.07	4.9675E-07	2.0689E-07	0.00E+00	7.04E-07	4.92E-07	3.01E-07	0.00E+00	7.93E-07	9.03E-08	5.13E-08	0.00E+00	1.42E-07	5.04E-08	4.43E-08	0.00E+00	9.46E-08
2118	481394.91	3767951.03	4.8929E-07	2.0379E-07	0.00E+00	6.93E-07	4.84E-07	2.97E-07	0.00E+00	7.81E-07	8.89E-08	5.05E-08	0.00E+00	1.39E-07	4.96E-08	4.36E-08	0.00E+00	9.32E-08
2119	481385.41	3767950.99	4.8226E-07	2.0086E-07	0.00E+00	6.83E-07	4.77E-07	2.92E-07	0.00E+00	7.69E-07	8.76E-08	4.98E-08	0.00E+00	1.37E-07	4.89E-08	4.30E-08	0.00E+00	9.19E-08
2120	481375.9	3767950.95	4.7563E-07	1.981E-07	0.00E+00	6.74E-07	4.71E-07	2.88E-07	0.00E+00	7.59E-07	8.64E-08	4.91E-08	0.00E+00	1.36E-07	4.82E-08	4.24E-08	0.00E+00	9.06E-08
2121	481366.39	3767950.91	4.6938E-07	1.955E-07	0.00E+00	6.65E-07	4.64E-07	2.84E-07	0.00E+00	7.49E-07	8.53E-08	4.85E-08	0.00E+00	1.34E-07	4.76E-08	4.18E-08	0.00E+00	8.94E-08
2122	481356.88	3767950.87	4.6349E-07	1.9304E-07	0.00E+00	6.57E-07	4.59E-07	2.81E-07	0.00E+00	7.40E-07	8.42E-08	4.78E-08	0.00E+00	1.32E-07	4.70E-08	4.13E-08	0.00E+00	8.83E-08
2123	481347.37	3767950.83	4.579E-07	1.9071E-07	0.00E+00	6.49E-07	4.53E-07	2.77E-07	0.00E+00	7.31E-07	8.32E-08	4.73E-08	0.00E+00	1.30E-07	4.64E-08	4.08E-08	0.00E+00	8.72E-08
2124	481337.86	3767950.79	4.5266E-07	1.8853E-07	0.00E+00	6.41E-07	4.48E-07	2.74E-07	0.00E+00	7.22E-07	8.22E-08	4.67E-08	0.00E+00	1.29E-07	4.59E-08	4.03E-08	0.00E+00	8.62E-08
2125	481596.85	3767950.43	7.0548E-07	2.9383E-07	0.00E+00	9.99E-07	6.98E-07	4.28E-07	0.00E+00	1.13E-06	1.28E-07	7.28E-08	0.00E+00	2.01E-07	7.16E-08	6.29E-08	0.00E+00	1.34E-07
2126	481605.43	3767954.04	7.2701E-07	3.028E-07	0.00E+00	1.03E-06	7.19E-07	4.41E-07	0.00E+00	1.16E-06	1.32E-07	7.50E-08	0.00E+00	2.07E-07	7.37E-08	6.48E-08	0.00E+00	1.39E-07
2127	481614.02	3767957.64	7.4902E-07	3.1196E-07	0.00E+00	1.06E-06	7.41E-07	4.54E-07	0.00E+00	1.20E-06	1.36E-07	7.73E-08	0.00E+00	2.13E-07	7.60E-08	6.67E-08	0.00E+00	1.43E-07
2128	481622.6	3767961.25	7.717E-07	3.2141E-07	0.00E+00	1.09E-06	7.64E-07	4.68E-07	0.00E+00	1.23E-06	1.40E-07	7.97E-08	0.00E+00	2.20E-07	7.83E-08	6.88E-08	0.00E+00	1.47E-07
2129	481631.19	3767964.86	7.9502E-07	3.3112E-07	0.00E+00	1.13E-06	7.87E-07	4.82E-07	0.00E+00	1.27E-06	1.44E-07	8.21E-08	0.00E+00	2.27E-07	8.06E-08	7.08E-08	0.00E+00	1.51E-07
2130	481639.77	3767968.46	8.1903E-07	3.4112E-07	0.00E+00	1.16E-06	8.10E-07	4.96E-07	0.00E+00	1.31E-06	1.49E-07	8.45E-08	0.00E+00	2.33E-07	8.31E-08	7.30E-08	0.00E+00	1.56E-07
2131	481648.36	3767972.07	8.4354E-07	3.5133E-07	0.00E+00	1.19E-06	8.35E-07	5.11E-07	0.00E+00	1.35E-06	1.53E-07	8.71E-08	0.00E+00	2.40E-07	8.56E-08	7.52E-08	0.00E+00	1.61E-07
2132	481656.94	3767975.67	8.6838E-07	3.6168E-07	0.00E+00	1.23E-06	8.59E-07	5.26E-07	0.00E+00	1.39E-06	1.58E-07	8.96E-08	0.00E+00	2.47E-07	8.81E-08	7.74E-08	0.00E+00	1.65E-07
2133	481665.53	3767979.28	8.9363E-07	3.7219E-07	0.00E+00	1.27E-06	8.84E-07	5.42E-07	0.00E+00	1.43E-06	1.62E-07	9.22E-08	0.00E+00	2.55E-07	9.06E-08	7.96E-08	0.00E+00	1.70E-07
2134	481674.11	3767982.89	9.1916E-07	3.8283E-07	0.00E+00	1.30E-06	9.10E-07	5.57E-07	0.00E+00	1.47E-06	1.67E-07	9.49E-08	0.00E+00	2.62E-07	9.32E-08	8.19E-08	0.00E+00	1.75E-07
2135	481682.7	3767986.49	9.1023E-07	3.7911E-07	0.00E+00	1.29E-06	9.01E-07	5.52E-07	0.00E+00	1.45E-06	1.65E-07	9.40E-08	0.00E+00	2.59E-07	9.23E-08	8.11E-08	0.00E+00	1.73E-07
2136	481691.28	3767990.1	9.3337E-07	3.8875E-07	0.00E+00	1.32E-06	9.24E-07	5.66E-07	0.00E+00	1.49E-06	1.70E-07	9.63E-08	0.00E+00	2.66E-07	9.47E-08	8.32E-08	0.00E+00	1.78E-07
2137	481699.87	3767993.7	9.5683E-07	3.9851E-07	0.00E+00	1.36E-06	9.47E-07	5.80E-07										

2212	481867.74	3768070.38	1.4162E-06	5.8986E-07	0.00E+00	2.01E-06	1.40E-06	8.58E-07	0.00E+00	2.26E-06	2.57E-07	1.46E-07	0.00E+00	4.04E-07	1.44E-07	1.26E-07	0.00E+00	2.70E-07
2213	481871.29	3768079.12	1.4672E-06	6.1106E-07	0.00E+00	2.08E-06	1.45E-06	8.91E-07	0.00E+00	2.34E-06	2.67E-07	1.51E-07	0.00E+00	4.18E-07	1.49E-07	1.31E-07	0.00E+00	2.80E-07
2214	481874.84	3768087.85	1.5194E-06	6.3281E-07	0.00E+00	2.15E-06	1.50E-06	9.21E-07	0.00E+00	2.42E-06	2.76E-07	1.57E-07	0.00E+00	4.33E-07	1.54E-07	1.35E-07	0.00E+00	2.89E-07
2215	481878.39	3768096.59	1.5728E-06	6.5508E-07	0.00E+00	2.23E-06	1.56E-06	9.53E-07	0.00E+00	2.51E-06	2.86E-07	1.62E-07	0.00E+00	4.48E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
2216	481881.94	3768105.32	1.6274E-06	6.7782E-07	0.00E+00	2.31E-06	1.61E-06	9.86E-07	0.00E+00	2.60E-06	2.96E-07	1.68E-07	0.00E+00	4.64E-07	1.65E-07	1.45E-07	0.00E+00	3.10E-07
2217	481885.49	3768114.06	1.6858E-06	7.0214E-07	0.00E+00	2.39E-06	1.67E-06	1.02E-06	0.00E+00	2.69E-06	3.06E-07	1.74E-07	0.00E+00	4.80E-07	1.71E-07	1.50E-07	0.00E+00	3.21E-07
2218	481889.05	3768122.8	1.7457E-06	7.2709E-07	0.00E+00	2.47E-06	1.73E-06	1.06E-06	0.00E+00	2.79E-06	3.17E-07	1.80E-07	0.00E+00	4.97E-07	1.77E-07	1.56E-07	0.00E+00	3.33E-07
2219	481892.6	3768131.53	1.8068E-06	7.5254E-07	0.00E+00	2.56E-06	1.79E-06	1.10E-06	0.00E+00	2.88E-06	3.28E-07	1.86E-07	0.00E+00	5.15E-07	1.83E-07	1.61E-07	0.00E+00	3.44E-07
2220	481896.15	3768140.27	1.8687E-06	7.7829E-07	0.00E+00	2.65E-06	1.85E-06	1.13E-06	0.00E+00	2.98E-06	3.40E-07	1.93E-07	0.00E+00	5.32E-07	1.90E-07	1.66E-07	0.00E+00	3.56E-07
2221	481899.7	3768149	1.9316E-06	8.0451E-07	0.00E+00	2.74E-06	1.91E-06	1.17E-06	0.00E+00	3.08E-06	3.51E-07	1.99E-07	0.00E+00	5.50E-07	1.96E-07	1.72E-07	0.00E+00	3.68E-07
2222	481903.25	3768157.74	1.9951E-06	8.3094E-07	0.00E+00	2.83E-06	1.97E-06	1.21E-06	0.00E+00	3.18E-06	3.63E-07	2.06E-07	0.00E+00	5.68E-07	2.02E-07	1.78E-07	0.00E+00	3.80E-07
2223	481906.8	3768166.47	2.0588E-06	8.5747E-07	0.00E+00	2.92E-06	2.04E-06	1.25E-06	0.00E+00	3.28E-06	3.74E-07	2.13E-07	0.00E+00	5.87E-07	2.09E-07	1.83E-07	0.00E+00	3.92E-07
2224	481910.36	3768175.21	2.1199E-06	8.8292E-07	0.00E+00	3.00E-06	2.10E-06	1.28E-06	0.00E+00	3.38E-06	3.85E-07	2.19E-07	0.00E+00	6.04E-07	2.15E-07	1.89E-07	0.00E+00	4.04E-07
2225	481913.91	3768183.95	2.1809E-06	9.0834E-07	0.00E+00	3.09E-06	2.16E-06	1.32E-06	0.00E+00	3.48E-06	3.96E-07	2.25E-07	0.00E+00	6.21E-07	2.21E-07	1.94E-07	0.00E+00	4.16E-07
2226	481917.46	3768192.68	2.2416E-06	9.3363E-07	0.00E+00	3.18E-06	2.22E-06	1.36E-06	0.00E+00	3.58E-06	4.07E-07	2.31E-07	0.00E+00	6.39E-07	2.27E-07	2.00E-07	0.00E+00	4.27E-07
2227	481921.01	3768201.42	2.3028E-06	9.591E-07	0.00E+00	3.26E-06	2.28E-06	1.40E-06	0.00E+00	3.67E-06	4.18E-07	2.38E-07	0.00E+00	6.56E-07	2.34E-07	2.05E-07	0.00E+00	4.39E-07
2228	481924.56	3768210.15	0.000002364	9.8458E-07	0.00E+00	3.35E-06	2.34E-06	1.43E-06	0.00E+00	3.77E-06	4.30E-07	2.44E-07	0.00E+00	6.74E-07	2.40E-07	2.11E-07	0.00E+00	4.50E-07
2229	481928.11	3768218.89	2.4241E-06	1.0096E-06	0.00E+00	3.43E-06	2.40E-06	1.47E-06	0.00E+00	3.87E-06	4.40E-07	2.50E-07	0.00E+00	6.91E-07	2.46E-07	2.16E-07	0.00E+00	4.62E-07
2230	481932.97	3768220.04	2.7561E-06	1.1479E-06	0.00E+00	3.90E-06	2.73E-06	1.67E-06	0.00E+00	4.40E-06	5.01E-07	2.84E-07	0.00E+00	7.85E-07	2.80E-07	2.46E-07	0.00E+00	5.25E-07
2231	481936.53	3768228.77	2.7873E-06	1.1609E-06	0.00E+00	3.95E-06	2.76E-06	1.69E-06	0.00E+00	4.45E-06	5.06E-07	2.88E-07	0.00E+00	7.94E-07	2.83E-07	2.48E-07	0.00E+00	5.31E-07
2232	481960.08	3768297.51	2.8134E-06	1.1718E-06	0.00E+00	3.99E-06	2.78E-06	1.71E-06	0.00E+00	4.49E-06	5.11E-07	2.90E-07	0.00E+00	8.02E-07	2.85E-07	2.51E-07	0.00E+00	5.36E-07
2233	481963.63	3768306.25	2.8341E-06	1.1804E-06	0.00E+00	4.01E-06	2.80E-06	1.72E-06	0.00E+00	4.52E-06	5.15E-07	2.93E-07	0.00E+00	8.07E-07	2.87E-07	2.53E-07	0.00E+00	5.40E-07
2234	481967.18	3768314.98	2.8492E-06	1.1867E-06	0.00E+00	4.04E-06	2.82E-06	1.73E-06	0.00E+00	4.55E-06	5.18E-07	2.94E-07	0.00E+00	8.12E-07	2.89E-07	2.54E-07	0.00E+00	5.43E-07
2235	481970.73	3768323.72	2.8585E-06	1.1906E-06	0.00E+00	4.05E-06	2.83E-06	1.73E-06	0.00E+00	4.56E-06	5.19E-07	2.95E-07	0.00E+00	8.14E-07	2.90E-07	2.55E-07	0.00E+00	5.45E-07
2236	481974.28	3768332.45	2.8618E-06	1.1919E-06	0.00E+00	4.05E-06	2.83E-06	1.73E-06	0.00E+00	4.57E-06	5.20E-07	2.95E-07	0.00E+00	8.15E-07	2.90E-07	2.55E-07	0.00E+00	5.45E-07
2237	481528.29	3767891.58	4.9115E-07	2.0456E-07	0.00E+00	6.96E-07	4.86E-07	2.98E-07	0.00E+00	7.84E-07	8.92E-08	5.07E-08	0.00E+00	1.40E-07	4.98E-08	4.38E-08	0.00E+00	9.36E-08
2238	481518.78	3767891.54	4.8303E-07	2.0118E-07	0.00E+00	6.84E-07	4.78E-07	2.93E-07	0.00E+00	7.71E-07	8.78E-08	4.99E-08	0.00E+00	1.38E-07	4.90E-08	4.30E-08	0.00E+00	9.20E-08
2239	481509.27	3767891.51	4.7509E-07	1.9787E-07	0.00E+00	6.73E-07	4.70E-07	2.88E-07	0.00E+00	7.58E-07	8.63E-08	4.90E-08	0.00E+00	1.35E-07	4.82E-08	4.23E-08	0.00E+00	9.05E-08
2240	481499.76	3767891.47	4.673E-07	1.9463E-07	0.00E+00	6.62E-07	4.62E-07	2.83E-07	0.00E+00	7.46E-07	8.49E-08	4.82E-08	0.00E+00	1.33E-07	4.74E-08	4.16E-08	0.00E+00	8.90E-08
2241	481490.25	3767891.43	4.5969E-07	1.9146E-07	0.00E+00	6.51E-07	4.55E-07	2.79E-07	0.00E+00	7.33E-07	8.35E-08	4.74E-08	0.00E+00	1.31E-07	4.66E-08	4.10E-08	0.00E+00	8.76E-08
2242	481480.75	3767891.39	4.5229E-07	1.8838E-07	0.00E+00	6.41E-07	4.48E-07	2.74E-07	0.00E+00	7.22E-07	8.22E-08	4.67E-08	0.00E+00	1.29E-07	4.59E-08	4.03E-08	0.00E+00	8.62E-08
2243	481471.24	3767891.35	4.4511E-07	1.8538E-07	0.00E+00	6.30E-07	4.40E-07	2.70E-07	0.00E+00	7.10E-07	8.09E-08	4.59E-08	0.00E+00	1.27E-07	4.52E-08	3.97E-08	0.00E+00	8.48E-08
2244	481461.73	3767891.31	4.3813E-07	1.8248E-07	0.00E+00	6.21E-07	4.34E-07	2.66E-07	0.00E+00	6.99E-07	7.96E-08	4.52E-08	0.00E+00	1.25E-07	4.44E-08	3.90E-08	0.00E+00	8.35E-08
2245	481452.22	3767891.27	4.3139E-07	1.7967E-07	0.00E+00	6.11E-07	4.27E-07	2.61E-07	0.00E+00	6.88E-07	7.84E-08	4.45E-08	0.00E+00	1.23E-07	4.38E-08	3.84E-08	0.00E+00	8.22E-08
2246	481442.71	3767891.23	4.2487E-07	1.7696E-07	0.00E+00	6.02E-07	4.20E-07	2.57E-07	0.00E+00	6.78E-07	7.72E-08	4.39E-08	0.00E+00	1.21E-07	4.31E-08	3.79E-08	0.00E+00	8.10E-08
2247	481433.2	3767891.19	4.186E-07	1.7434E-07	0.00E+00	5.93E-07	4.14E-07	2.54E-07	0.00E+00	6.68E-07	7.61E-08	4.32E-08	0.00E+00	1.19E-07	4.25E-08	3.73E-08	0.00E+00	7.98E-08
2248	481423.69	3767891.15	4.1257E-07	1.7183E-07	0.00E+00	5.84E-07	4.08E-07	2.50E-07	0.00E+00	6.58E-07	7.50E-08	4.26E-08	0.00E+00	1.18E-07	4.19E-08	3.68E-08	0.00E+00	7.86E-08
2249	481414.18	3767891.11	4.0676E-07	1.6941E-07	0.00E+00	5.76E-07	4.02E-07	2.47E-07	0.00E+00	6.49E-07	7.39E-08	4.20E-08	0.00E+00	1.16E-07	4.13E-08	3.62E-08	0.00E+00	7.75E-08
2250	481404.67	3767891.07	4.0119E-07	1.6709E-07	0.00E+00	5.68E-07	3.97E-07	2.43E-07	0.00E+00	6.40E-07	7.29E-08	4.14E-08	0.00E+00	1.14E-07	4.07E-08	3.57E-08	0.00E+00	7.64E-08
2251	481395.16	3767891.03	3.9585E-07	1.6487E-07	0.00E+00	5.61E-07	3.92E-07	2.40E-07	0.00E+00	6.32E-07	7.19E-08	4.09E-08	0.00E+00	1.13E-07	4.02E-08	3.53E-08	0.00E+00	7.54E-08
2252	481385.66	3767890.99	3.9079E-07	1.6276E-07	0.00E+00	5.54E-07	3.87E-07	2.37E-07	0.00E+00	6.24E-07	7.10E-08	4.03E-08	0.00E+00	1.11E-07	3.96E-08	3.48E-08	0.00E+00	7.45E-08
2253	481376.15	3767890.95	3.8599E-07	1.6077E-07	0.00E+00	5.47E-07	3.82E-07	2.34E-07	0.00E+00	6.16E-07	7.01E-08	3.98E-08	0.00E+00	1.10E-07	3.92E-08	3.44E-08	0.00E+00	7.35E-08
2254	481366.64	3767890.91	3.8144E-07	1.5887E-07	0.00E+00	5.40E-07	3.77E-07	2.31E-07	0.00E+00	6.09E-07	6.93E-08	3.94E-08	0.00E+00	1.09E-07	3.87E-08	3.40E-08	0.00E+00	7.27E-08
2255	481357.13	3767890.87	3.7714E-07	1.5708E-07	0.00E+00	5.34E-07	3.73E-07	2.29E-07	0.00E+00	6.02E-07	6.85E-08	3.89E-08	0.00E+00	1.07E-07	3.83E-08	3.36E-08	0.00E+00	7.19E-08
2256	481347.62	3767890.83	3.7307E-07	1.5538E-07	0.00E+00	5.28E-07	3.69E-07	2.26E-07	0.00E+00	5.95E-07	6.78E-08	3.85E-08	0.00E+00	1.06E-07	3.78E-08	3.32E-08	0.00E+00	7.11E-08
2257	481338.11	3767890.79	3.6923E-07	1.5378E-07	0.00E+00	5.23E-07	3.65E-07	2.24E-07	0.00E+00	5.89E-07	6.71E-08	3.81E-08	0.00E+00	1.05E-07	3.75E-08	3.29E-08	0.00E+00	7.03E-08
2258	481328.6	3767890.75	3.6535E-07	1.5222E-07	0.00E+00	5.18E-07	3.61E-07	2.22E-07	0.00E+00	5.83E-07	6.64E-08	3.78E-08	0.00E+00	1.04E-07	3.72E-08	3.26E-08	0.00E+00	6.95E-08
2259	481319.1	3767890.71	3.6147E-07	1.5072E-07	0.00E+00	5.13E-07	3.57E-07	2.20E-07	0.00E+00	5.77E-07	6.57E-08	3.75E-08	0.00E+00	1.03E-07	3.69E-08	3.23E-08	0.00E+00	6.87E-08
2260	481310.6	3767890.67	3.5760E-07	1.4927E-07	0.00E+00	5.08E-07	3.53E-07	2.18E-0										

2335	481385.78	3767860.99	3.5522E-07	1.4795E-07	0.00E+00	5.03E-07	3.52E-07	2.15E-07	0.00E+00	5.67E-07	6.45E-08	3.67E-08	0.00E+00	1.01E-07	3.60E-08	3.16E-08	0.00E+00	6.77E-08
2336	481376.27	3767860.95	3.5108E-07	1.4623E-07	0.00E+00	4.92E-07	3.47E-07	2.13E-07	0.00E+00	5.60E-07	6.38E-08	3.62E-08	0.00E+00	1.00E-07	3.56E-08	3.13E-08	0.00E+00	6.69E-08
2337	481366.76	3767860.91	3.4715E-07	1.4458E-07	0.00E+00	4.97E-07	3.44E-07	2.10E-07	0.00E+00	5.54E-07	6.31E-08	3.58E-08	0.00E+00	9.99E-08	3.52E-08	3.09E-08	0.00E+00	6.61E-08
2338	481357.25	3767860.87	3.434E-07	1.4303E-07	0.00E+00	4.86E-07	3.40E-07	2.08E-07	0.00E+00	5.48E-07	6.24E-08	3.54E-08	0.00E+00	9.78E-08	3.48E-08	3.06E-08	0.00E+00	6.54E-08
2339	481347.74	3767860.83	3.3987E-07	1.4155E-07	0.00E+00	4.81E-07	3.36E-07	2.06E-07	0.00E+00	5.42E-07	6.18E-08	3.51E-08	0.00E+00	9.68E-08	3.45E-08	3.03E-08	0.00E+00	6.48E-08
2340	481338.23	3767860.79	3.3652E-07	1.4016E-07	0.00E+00	4.77E-07	3.33E-07	2.04E-07	0.00E+00	5.37E-07	6.11E-08	3.47E-08	0.00E+00	9.59E-08	3.41E-08	3.00E-08	0.00E+00	6.41E-08
2341	481563.22	3767846.15	4.4191E-07	1.8405E-07	0.00E+00	6.26E-07	4.37E-07	2.68E-07	0.00E+00	7.05E-07	8.03E-08	4.56E-08	0.00E+00	1.26E-07	4.48E-08	3.94E-08	0.00E+00	8.42E-08
2342	481571.89	3767849.79	4.5388E-07	1.8904E-07	0.00E+00	6.43E-07	4.49E-07	2.75E-07	0.00E+00	7.24E-07	8.25E-08	4.68E-08	0.00E+00	1.29E-07	4.60E-08	4.04E-08	0.00E+00	8.65E-08
2343	481580.55	3767853.43	4.6623E-07	1.9418E-07	0.00E+00	6.60E-07	4.61E-07	2.83E-07	0.00E+00	7.44E-07	8.47E-08	4.81E-08	0.00E+00	1.33E-07	4.73E-08	4.15E-08	0.00E+00	8.88E-08
2344	481589.22	3767857.07	4.7899E-07	1.995E-07	0.00E+00	6.78E-07	4.74E-07	2.90E-07	0.00E+00	7.64E-07	8.70E-08	4.94E-08	0.00E+00	1.36E-07	4.86E-08	4.27E-08	0.00E+00	9.13E-08
2345	481597.89	3767860.72	4.9217E-07	2.0499E-07	0.00E+00	6.97E-07	4.87E-07	2.98E-07	0.00E+00	7.85E-07	8.94E-08	5.08E-08	0.00E+00	1.40E-07	4.99E-08	4.39E-08	0.00E+00	9.38E-08
2346	481632.57	3767875.28	5.4848E-07	2.2844E-07	0.00E+00	7.77E-07	5.43E-07	3.32E-07	0.00E+00	8.75E-07	9.97E-08	5.66E-08	0.00E+00	1.56E-07	5.56E-08	4.89E-08	0.00E+00	1.05E-07
2347	481641.24	3767878.92	5.6272E-07	2.3437E-07	0.00E+00	7.97E-07	5.57E-07	3.41E-07	0.00E+00	8.98E-07	1.02E-07	5.81E-08	0.00E+00	1.60E-07	5.71E-08	5.01E-08	0.00E+00	1.07E-07
2348	481649.91	3767882.56	5.774E-07	2.4048E-07	0.00E+00	8.18E-07	5.71E-07	3.50E-07	0.00E+00	9.21E-07	1.05E-07	5.96E-08	0.00E+00	1.65E-07	5.86E-08	5.14E-08	0.00E+00	1.10E-07
2349	481658.58	3767886.2	5.9244E-07	2.4675E-07	0.00E+00	8.39E-07	5.86E-07	3.59E-07	0.00E+00	9.45E-07	1.08E-07	6.12E-08	0.00E+00	1.69E-07	6.01E-08	5.28E-08	0.00E+00	1.13E-07
2350	481667.25	3767889.85	6.0812E-07	2.5328E-07	0.00E+00	8.61E-07	6.02E-07	3.69E-07	0.00E+00	9.70E-07	1.10E-07	6.28E-08	0.00E+00	1.73E-07	6.17E-08	5.42E-08	0.00E+00	1.16E-07
2351	481675.92	3767893.49	6.2406E-07	2.5992E-07	0.00E+00	8.84E-07	6.18E-07	3.78E-07	0.00E+00	9.96E-07	1.13E-07	6.44E-08	0.00E+00	1.78E-07	6.33E-08	5.56E-08	0.00E+00	1.19E-07
2352	481684.59	3767897.13	6.1742E-07	2.5715E-07	0.00E+00	8.75E-07	6.11E-07	3.74E-07	0.00E+00	9.85E-07	1.12E-07	6.37E-08	0.00E+00	1.76E-07	6.26E-08	5.50E-08	0.00E+00	1.18E-07
2353	481693.26	3767900.77	6.3087E-07	2.6275E-07	0.00E+00	8.94E-07	6.24E-07	3.82E-07	0.00E+00	1.01E-06	1.15E-07	6.51E-08	0.00E+00	1.80E-07	6.40E-08	5.62E-08	0.00E+00	1.20E-07
2354	481701.92	3767904.41	6.4565E-07	2.6891E-07	0.00E+00	9.15E-07	6.39E-07	3.91E-07	0.00E+00	1.03E-06	1.17E-07	6.66E-08	0.00E+00	1.84E-07	6.55E-08	5.75E-08	0.00E+00	1.23E-07
2355	481710.59	3767908.05	6.6067E-07	2.7517E-07	0.00E+00	9.36E-07	6.54E-07	4.00E-07	0.00E+00	1.05E-06	1.20E-07	6.82E-08	0.00E+00	1.88E-07	6.70E-08	5.89E-08	0.00E+00	1.26E-07
2356	481719.26	3767911.69	6.7592E-07	2.8152E-07	0.00E+00	9.57E-07	6.69E-07	4.10E-07	0.00E+00	1.08E-06	1.23E-07	6.98E-08	0.00E+00	1.93E-07	6.86E-08	6.02E-08	0.00E+00	1.29E-07
2357	481727.93	3767915.34	6.914E-07	2.8796E-07	0.00E+00	9.79E-07	6.84E-07	4.19E-07	0.00E+00	1.10E-06	1.26E-07	7.14E-08	0.00E+00	1.97E-07	7.01E-08	6.16E-08	0.00E+00	1.32E-07
2358	481736.6	3767918.98	7.0703E-07	2.9447E-07	0.00E+00	1.00E-06	7.00E-07	4.28E-07	0.00E+00	1.13E-06	1.28E-07	7.30E-08	0.00E+00	2.01E-07	7.17E-08	6.30E-08	0.00E+00	1.35E-07
2359	481745.27	3767922.62	7.2286E-07	3.0107E-07	0.00E+00	1.02E-06	7.15E-07	4.38E-07	0.00E+00	1.15E-06	1.31E-07	7.46E-08	0.00E+00	2.06E-07	7.33E-08	6.44E-08	0.00E+00	1.38E-07
2360	481753.94	3767926.26	7.3878E-07	3.077E-07	0.00E+00	1.05E-06	7.31E-07	4.48E-07	0.00E+00	1.18E-06	1.34E-07	7.63E-08	0.00E+00	2.10E-07	7.49E-08	6.58E-08	0.00E+00	1.41E-07
2361	481762.61	3767929.9	7.5478E-07	3.1436E-07	0.00E+00	1.07E-06	7.47E-07	4.57E-07	0.00E+00	1.20E-06	1.37E-07	7.79E-08	0.00E+00	2.15E-07	7.66E-08	6.72E-08	0.00E+00	1.44E-07
2362	481805.96	3767948.11	8.3552E-07	3.4799E-07	0.00E+00	1.18E-06	8.27E-07	5.06E-07	0.00E+00	1.33E-06	1.52E-07	8.62E-08	0.00E+00	2.38E-07	8.48E-08	7.44E-08	0.00E+00	1.59E-07
2363	481814.63	3767951.75	8.5155E-07	3.5467E-07	0.00E+00	1.21E-06	8.43E-07	5.16E-07	0.00E+00	1.36E-06	1.55E-07	8.79E-08	0.00E+00	2.43E-07	8.64E-08	7.59E-08	0.00E+00	1.62E-07
2364	481823.29	3767955.39	8.6745E-07	3.6129E-07	0.00E+00	1.23E-06	8.58E-07	5.26E-07	0.00E+00	1.38E-06	1.58E-07	8.95E-08	0.00E+00	2.47E-07	8.80E-08	7.73E-08	0.00E+00	1.65E-07
2365	481831.96	3767959.03	8.832E-07	3.6785E-07	0.00E+00	1.25E-06	8.74E-07	5.35E-07	0.00E+00	1.41E-06	1.60E-07	9.12E-08	0.00E+00	2.52E-07	8.96E-08	7.87E-08	0.00E+00	1.68E-07
2366	481840.63	3767962.67	8.9868E-07	3.743E-07	0.00E+00	1.27E-06	8.89E-07	5.45E-07	0.00E+00	1.43E-06	1.63E-07	9.28E-08	0.00E+00	2.56E-07	9.12E-08	8.01E-08	0.00E+00	1.71E-07
2367	481849.3	3767966.31	9.1386E-07	3.8062E-07	0.00E+00	1.29E-06	9.04E-07	5.54E-07	0.00E+00	1.46E-06	1.66E-07	9.43E-08	0.00E+00	2.60E-07	9.27E-08	8.14E-08	0.00E+00	1.74E-07
2368	481857.97	3767969.96	9.2876E-07	3.8682E-07	0.00E+00	1.32E-06	9.19E-07	5.63E-07	0.00E+00	1.48E-06	1.69E-07	9.59E-08	0.00E+00	2.65E-07	9.42E-08	8.27E-08	0.00E+00	1.77E-07
2369	481866.64	3767973.6	9.4325E-07	3.9286E-07	0.00E+00	1.34E-06	9.33E-07	5.72E-07	0.00E+00	1.51E-06	1.71E-07	9.74E-08	0.00E+00	2.69E-07	9.57E-08	8.40E-08	0.00E+00	1.80E-07
2370	481875.31	3767977.24	9.5825E-07	3.9911E-07	0.00E+00	1.36E-06	9.48E-07	5.81E-07	0.00E+00	1.53E-06	1.74E-07	9.89E-08	0.00E+00	2.73E-07	9.72E-08	8.54E-08	0.00E+00	1.83E-07
2371	481883.98	3767980.88	9.734E-07	4.0542E-07	0.00E+00	1.38E-06	9.63E-07	5.90E-07	0.00E+00	1.55E-06	1.77E-07	1.00E-07	0.00E+00	2.77E-07	9.87E-08	8.67E-08	0.00E+00	1.85E-07
2372	481896.19	3767993.23	1.0221E-06	4.257E-07	0.00E+00	1.45E-06	1.01E-06	6.19E-07	0.00E+00	1.63E-06	1.86E-07	1.05E-07	0.00E+00	2.91E-07	1.04E-07	9.11E-08	0.00E+00	1.95E-07
2373	481899.73	3768001.94	1.0571E-06	4.4028E-07	0.00E+00	1.50E-06	1.05E-06	6.41E-07	0.00E+00	1.69E-06	1.92E-07	1.09E-07	0.00E+00	3.01E-07	1.07E-07	9.42E-08	0.00E+00	2.01E-07
2374	481903.27	3768010.65	1.0924E-06	4.5497E-07	0.00E+00	1.55E-06	1.08E-06	6.62E-07	0.00E+00	1.74E-06	1.98E-07	1.13E-07	0.00E+00	3.11E-07	1.11E-07	9.73E-08	0.00E+00	2.08E-07
2375	481906.81	3768019.36	1.1285E-06	4.7002E-07	0.00E+00	1.60E-06	1.12E-06	6.84E-07	0.00E+00	1.80E-06	2.05E-07	1.16E-07	0.00E+00	3.22E-07	1.14E-07	1.01E-07	0.00E+00	2.15E-07
2376	481910.36	3768028.07	1.1655E-06	4.8544E-07	0.00E+00	1.65E-06	1.15E-06	7.06E-07	0.00E+00	1.86E-06	2.12E-07	1.20E-07	0.00E+00	3.32E-07	1.18E-07	1.04E-07	0.00E+00	2.22E-07
2377	481913.9	3768036.78	1.2035E-06	5.0124E-07	0.00E+00	1.70E-06	1.19E-06	7.29E-07	0.00E+00	1.92E-06	2.19E-07	1.24E-07	0.00E+00	3.43E-07	1.22E-07	1.07E-07	0.00E+00	2.29E-07
2378	481917.44	3768045.49	1.2423E-06	5.1742E-07	0.00E+00	1.76E-06	1.23E-06	7.53E-07	0.00E+00	1.98E-06	2.26E-07	1.28E-07	0.00E+00	3.54E-07	1.26E-07	1.11E-07	0.00E+00	2.37E-07
2379	481920.98	3768054.21	1.2834E-06	5.3452E-07	0.00E+00	1.82E-06	1.27E-06	7.78E-07	0.00E+00	2.05E-06	2.33E-07	1.32E-07	0.00E+00	3.66E-07	1.30E-07	1.14E-07	0.00E+00	2.45E-07
2380	481924.52	3768062.92	0.000001326	5.5228E-07	0.00E+00	1.88E-06	1.31E-06	8.04E-07	0.00E+00	2.12E-06	2.41E-07	1.37E-07	0.00E+00	3.78E-07	1.35E-07	1.18E-07	0.00E+00	2.53E-07
2381	481928.06	3768071.63	1.3702E-06	5.707E-07	0.00E+00	1.94E-06	1.36E-06	8.30E-07	0.00E+00	2.19E-06	2.49E-07	1.41E-07	0.00E+00	3.90E-07	1.39E-07	1.22E-07	0.00E+00	2.61E-07
2382	481931.6	3768080.34	1.4144E-06	5.8909E-07	0.00E+00	2.00E-06	1.40E-06	8.57E-07	0.00E+00	2.26E-06	2.57E-07	1.46E-07	0.00E+00	4.03E-07	1.43E-07	1.26E-07	0.00E+00	2.69E-07
2383	481935.85	3768132.6	1.6913E-06	7.044E-07	0.00E+00	2.40E-06	1.67E-06	1.02E-06										

2458	481896.47	3767956.07	8.8675E-07	3.6933E-07	0.00E+00	1.26E-06	8.77E-07	5.37E-07	0.00E+00	1.41E-06	1.61E-07	9.15E-08	0.00E+00	2.53E-07	9.00E-08	7.90E-08	0.00E+00	1.69E-07
2459	481905.23	3767959.75	8.9954E-07	3.7465E-07	0.00E+00	1.27E-06	8.90E-07	5.45E-07	0.00E+00	1.44E-06	1.63E-07	9.28E-08	0.00E+00	2.56E-07	9.12E-08	8.01E-08	0.00E+00	1.71E-07
2460	481917.56	3767972.23	9.4109E-07	3.9196E-07	0.00E+00	1.33E-06	9.31E-07	5.70E-07	0.00E+00	1.50E-06	1.71E-07	9.71E-08	0.00E+00	2.68E-07	9.55E-08	8.38E-08	0.00E+00	1.97E-07
2461	481921.14	3767981.03	9.7158E-07	4.0466E-07	0.00E+00	1.38E-06	9.61E-07	5.89E-07	0.00E+00	1.55E-06	1.77E-07	1.00E-07	0.00E+00	2.77E-07	9.86E-08	8.66E-08	0.00E+00	1.85E-07
2462	481924.72	3767989.83	1.0028E-06	4.1766E-07	0.00E+00	1.42E-06	9.92E-07	6.08E-07	0.00E+00	1.60E-06	1.82E-07	1.04E-07	0.00E+00	2.86E-07	1.02E-07	8.93E-08	0.00E+00	1.91E-07
2463	481928.29	3767998.63	1.0348E-06	4.3098E-07	0.00E+00	1.47E-06	1.02E-06	6.27E-07	0.00E+00	1.65E-06	1.88E-07	1.07E-07	0.00E+00	2.95E-07	1.05E-07	9.22E-08	0.00E+00	1.97E-07
2464	481931.87	3768007.43	1.0679E-06	4.4479E-07	0.00E+00	1.51E-06	1.06E-06	6.47E-07	0.00E+00	1.70E-06	1.94E-07	1.10E-07	0.00E+00	3.04E-07	1.08E-07	9.51E-08	0.00E+00	2.03E-07
2465	481935.33	3768060.22	1.2862E-06	5.357E-07	0.00E+00	1.82E-06	1.27E-06	7.79E-07	0.00E+00	2.05E-06	2.34E-07	1.33E-07	0.00E+00	3.66E-07	1.30E-07	1.15E-07	0.00E+00	2.45E-07
2466	481956.91	3768069.02	1.3251E-06	5.5191E-07	0.00E+00	1.88E-06	1.31E-06	8.03E-07	0.00E+00	2.11E-06	2.41E-07	1.37E-07	0.00E+00	3.78E-07	1.34E-07	1.18E-07	0.00E+00	2.52E-07
2467	481960.49	3768077.82	1.3643E-06	5.6824E-07	0.00E+00	1.93E-06	1.35E-06	8.27E-07	0.00E+00	2.18E-06	2.48E-07	1.41E-07	0.00E+00	3.89E-07	1.38E-07	1.22E-07	0.00E+00	2.60E-07
2468	481964.07	3768086.62	1.4049E-06	5.8513E-07	0.00E+00	1.99E-06	1.39E-06	8.51E-07	0.00E+00	2.24E-06	2.55E-07	1.45E-07	0.00E+00	4.00E-07	1.43E-07	1.25E-07	0.00E+00	2.68E-07
2469	481967.64	3768095.41	1.4461E-06	6.0229E-07	0.00E+00	2.05E-06	1.43E-06	8.76E-07	0.00E+00	2.31E-06	2.63E-07	1.49E-07	0.00E+00	4.12E-07	1.47E-07	1.29E-07	0.00E+00	2.76E-07
2470	481971.22	3768104.21	0.000001488	6.1974E-07	0.00E+00	2.11E-06	1.47E-06	9.02E-07	0.00E+00	2.37E-06	2.70E-07	1.54E-07	0.00E+00	4.24E-07	1.51E-07	1.33E-07	0.00E+00	2.84E-07
2471	481974.8	3768113.01	1.5314E-06	6.3784E-07	0.00E+00	2.17E-06	1.52E-06	9.28E-07	0.00E+00	2.44E-06	2.78E-07	1.58E-07	0.00E+00	4.36E-07	1.55E-07	1.36E-07	0.00E+00	2.92E-07
2472	481978.38	3768121.81	1.5752E-06	6.5607E-07	0.00E+00	2.23E-06	1.56E-06	9.55E-07	0.00E+00	2.51E-06	2.86E-07	1.63E-07	0.00E+00	4.49E-07	1.60E-07	1.40E-07	0.00E+00	3.00E-07
2473	481981.95	3768130.61	1.6188E-06	6.7423E-07	0.00E+00	2.29E-06	1.60E-06	9.81E-07	0.00E+00	2.58E-06	2.94E-07	1.67E-07	0.00E+00	4.61E-07	1.64E-07	1.44E-07	0.00E+00	3.08E-07
2474	481985.53	3768139.41	1.6627E-06	6.925E-07	0.00E+00	2.36E-06	1.65E-06	1.01E-06	0.00E+00	2.65E-06	3.02E-07	1.72E-07	0.00E+00	4.74E-07	1.69E-07	1.48E-07	0.00E+00	3.17E-07
2475	481989.11	3768148.21	0.000001708	7.1138E-07	0.00E+00	2.42E-06	1.69E-06	1.04E-06	0.00E+00	2.73E-06	3.10E-07	1.76E-07	0.00E+00	4.87E-07	1.73E-07	1.52E-07	0.00E+00	3.25E-07
2476	481992.68	3768157.01	1.7537E-06	7.3041E-07	0.00E+00	2.48E-06	1.74E-06	1.06E-06	0.00E+00	2.80E-06	3.19E-07	1.81E-07	0.00E+00	5.00E-07	1.78E-07	1.56E-07	0.00E+00	3.34E-07
2477	481996.26	3768165.81	1.7985E-06	7.4908E-07	0.00E+00	2.55E-06	1.78E-06	1.09E-06	0.00E+00	2.87E-06	3.27E-07	1.86E-07	0.00E+00	5.12E-07	1.82E-07	1.60E-07	0.00E+00	3.43E-07
2478	481999.84	3768174.61	1.8416E-06	7.6701E-07	0.00E+00	2.61E-06	1.82E-06	1.12E-06	0.00E+00	2.94E-06	3.35E-07	1.90E-07	0.00E+00	5.25E-07	1.87E-07	1.64E-07	0.00E+00	3.51E-07
2479	482003.42	3768183.4	1.8845E-06	7.8488E-07	0.00E+00	2.67E-06	1.86E-06	1.14E-06	0.00E+00	3.01E-06	3.42E-07	1.95E-07	0.00E+00	5.37E-07	1.91E-07	1.68E-07	0.00E+00	3.59E-07
2480	482006.99	3768192.2	0.000001927	8.0261E-07	0.00E+00	2.73E-06	1.91E-06	1.17E-06	0.00E+00	3.07E-06	3.50E-07	1.99E-07	0.00E+00	5.49E-07	1.95E-07	1.72E-07	0.00E+00	3.67E-07
2481	482010.57	3768201	1.9682E-06	8.1975E-07	0.00E+00	2.79E-06	1.95E-06	1.19E-06	0.00E+00	3.14E-06	3.58E-07	2.03E-07	0.00E+00	5.61E-07	2.00E-07	1.75E-07	0.00E+00	3.75E-07
2482	482014.15	3768209.8	2.0075E-06	8.3611E-07	0.00E+00	2.84E-06	1.99E-06	1.22E-06	0.00E+00	3.20E-06	3.65E-07	2.07E-07	0.00E+00	5.72E-07	2.04E-07	1.79E-07	0.00E+00	3.82E-07
2483	482017.73	3768218.6	2.0452E-06	8.5181E-07	0.00E+00	2.90E-06	2.02E-06	1.24E-06	0.00E+00	3.26E-06	3.72E-07	2.11E-07	0.00E+00	5.83E-07	2.07E-07	1.82E-07	0.00E+00	3.90E-07
2484	482021.3	3768227.4	2.0808E-06	8.6666E-07	0.00E+00	2.95E-06	2.06E-06	1.26E-06	0.00E+00	3.32E-06	3.78E-07	2.15E-07	0.00E+00	5.93E-07	2.11E-07	1.85E-07	0.00E+00	3.96E-07
2485	482024.88	3768236.2	2.1142E-06	8.8057E-07	0.00E+00	2.99E-06	2.09E-06	1.28E-06	0.00E+00	3.37E-06	3.84E-07	2.18E-07	0.00E+00	6.02E-07	2.14E-07	1.88E-07	0.00E+00	4.03E-07
2486	482028.46	3768245	2.1456E-06	8.9363E-07	0.00E+00	3.04E-06	2.12E-06	1.30E-06	0.00E+00	3.42E-06	3.90E-07	2.21E-07	0.00E+00	6.11E-07	2.18E-07	1.91E-07	0.00E+00	4.09E-07
2487	482032.03	3768253.8	2.1746E-06	9.0573E-07	0.00E+00	3.08E-06	2.15E-06	1.32E-06	0.00E+00	3.47E-06	3.95E-07	2.24E-07	0.00E+00	6.20E-07	2.21E-07	1.94E-07	0.00E+00	4.14E-07
2488	482035.61	3768262.6	2.2008E-06	9.1661E-07	0.00E+00	3.12E-06	2.18E-06	1.33E-06	0.00E+00	3.51E-06	4.00E-07	2.27E-07	0.00E+00	6.27E-07	2.23E-07	1.96E-07	0.00E+00	4.19E-07
2489	482039.19	3768271.39	2.2235E-06	9.2606E-07	0.00E+00	3.15E-06	2.20E-06	1.35E-06	0.00E+00	3.55E-06	4.04E-07	2.30E-07	0.00E+00	6.34E-07	2.26E-07	1.98E-07	0.00E+00	4.24E-07
2490	482042.77	3768280.19	2.2426E-06	9.3403E-07	0.00E+00	3.18E-06	2.22E-06	1.36E-06	0.00E+00	3.58E-06	4.07E-07	2.31E-07	0.00E+00	6.39E-07	2.27E-07	2.00E-07	0.00E+00	4.27E-07
2491	482046.34	3768288.99	2.2581E-06	9.4051E-07	0.00E+00	3.20E-06	2.23E-06	1.37E-06	0.00E+00	3.60E-06	4.10E-07	2.33E-07	0.00E+00	6.43E-07	2.29E-07	2.01E-07	0.00E+00	4.30E-07
2492	482049.92	3768297.79	2.2699E-06	9.454E-07	0.00E+00	3.22E-06	2.25E-06	1.38E-06	0.00E+00	3.62E-06	4.12E-07	2.34E-07	0.00E+00	6.47E-07	2.30E-07	2.02E-07	0.00E+00	4.32E-07
2493	482053.5	3768306.59	2.2779E-06	9.4874E-07	0.00E+00	3.23E-06	2.25E-06	1.38E-06	0.00E+00	3.63E-06	4.14E-07	2.35E-07	0.00E+00	6.49E-07	2.31E-07	2.03E-07	0.00E+00	4.34E-07
2494	482057.08	3768315.39	0.000002282	9.5046E-07	0.00E+00	3.23E-06	2.26E-06	1.38E-06	0.00E+00	3.64E-06	4.15E-07	2.36E-07	0.00E+00	6.50E-07	2.31E-07	2.03E-07	0.00E+00	4.35E-07
2495	482060.65	3768324.19	2.2822E-06	9.5052E-07	0.00E+00	3.23E-06	2.26E-06	1.38E-06	0.00E+00	3.64E-06	4.15E-07	2.36E-07	0.00E+00	6.50E-07	2.32E-07	2.03E-07	0.00E+00	4.35E-07
2496	481433.57	3767801.19	3.1604E-07	1.3163E-07	0.00E+00	4.48E-07	3.13E-07	1.92E-07	0.00E+00	5.04E-07	5.74E-08	3.26E-08	0.00E+00	9.00E-08	3.21E-08	2.82E-08	0.00E+00	6.02E-08
2497	481424.06	3767801.15	3.122E-07	1.3003E-07	0.00E+00	4.42E-07	3.09E-07	1.89E-07	0.00E+00	4.98E-07	5.67E-08	3.22E-08	0.00E+00	8.90E-08	3.17E-08	2.78E-08	0.00E+00	5.95E-08
2498	481414.56	3767801.11	3.085E-07	1.2849E-07	0.00E+00	4.37E-07	3.05E-07	1.87E-07	0.00E+00	4.92E-07	5.61E-08	3.18E-08	0.00E+00	8.79E-08	3.13E-08	2.75E-08	0.00E+00	5.88E-08
2499	481405.05	3767801.07	3.0494E-07	1.2701E-07	0.00E+00	4.32E-07	3.02E-07	1.85E-07	0.00E+00	4.87E-07	5.54E-08	3.15E-08	0.00E+00	8.69E-08	3.09E-08	2.72E-08	0.00E+00	5.81E-08
2500	481395.54	3767801.03	3.0152E-07	1.2558E-07	0.00E+00	4.27E-07	2.98E-07	1.83E-07	0.00E+00	4.81E-07	5.48E-08	3.11E-08	0.00E+00	8.59E-08	3.06E-08	2.69E-08	0.00E+00	5.74E-08
2501	481386.03	3767800.99	2.9824E-07	1.2422E-07	0.00E+00	4.22E-07	2.95E-07	1.81E-07	0.00E+00	4.76E-07	5.42E-08	3.08E-08	0.00E+00	8.50E-08	3.03E-08	2.66E-08	0.00E+00	5.68E-08
2502	481376.52	3767800.95	2.9511E-07	1.2291E-07	0.00E+00	4.18E-07	2.92E-07	1.79E-07	0.00E+00	4.71E-07	5.36E-08	3.05E-08	0.00E+00	8.41E-08	2.99E-08	2.63E-08	0.00E+00	5.62E-08
2503	481367.01	3767800.91	2.921E-07	1.2166E-07	0.00E+00	4.14E-07	2.89E-07	1.77E-07	0.00E+00	4.66E-07	5.31E-08	3.02E-08	0.00E+00	8.32E-08	2.96E-08	2.60E-08	0.00E+00	5.57E-08
2504	481357.5	3767800.87	2.8923E-07	1.2046E-07	0.00E+00	4.10E-07	2.86E-07	1.75E-07	0.00E+00	4.61E-07	5.26E-08	2.99E-08	0.00E+00	8.24E-08	2.93E-08	2.58E-08	0.00E+00	5.51E-08
2505	481347.99	3767800.83	2.8648E-07	1.1932E-07	0.00E+00	4.06E-07	2.83E-07	1.74E-07	0.00E+00	4.57E-07	5.21E-08	2.96E-08	0.00E+00	8.16E-08	2.91E-08	2.55E-08	0.00E+00	5.46E-08
2506	481338.48	3767800.8	2.8387E-07	1.1823E-07	0.00E+00	4.02E-07	2.81E-07	1.72E-07	0.									

2581	482083.72	3768307.35	2.1293E-06	8.8683E-07	0.00E+00	3.02E-06	2.11E-06	1.29E-06	0.00E+00	3.40E-06	3.87E-07	2.20E-07	0.00E+00	6.07E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07
2582	482087.25	3768316.04	0.000002131	8.8753E-07	0.00E+00	3.02E-06	2.11E-06	1.29E-06	0.00E+00	3.40E-06	3.87E-07	2.20E-07	0.00E+00	6.07E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07
2583	482090.78	3768324.73	0.000002129	8.8673E-07	0.00E+00	3.02E-06	2.11E-06	1.29E-06	0.00E+00	3.40E-06	3.87E-07	2.20E-07	0.00E+00	6.07E-07	2.16E-07	1.90E-07	0.00E+00	4.06E-07
2584	482094.32	3768333.42	2.1236E-06	8.8445E-07	0.00E+00	3.01E-06	2.10E-06	1.29E-06	0.00E+00	3.39E-06	3.86E-07	2.19E-07	0.00E+00	6.05E-07	2.15E-07	1.89E-07	0.00E+00	4.05E-07
2585	481433.7	3767771.19	2.9066E-07	1.2106E-07	0.00E+00	4.12E-07	2.88E-07	1.76E-07	0.00E+00	4.64E-07	5.28E-08	3.00E-08	0.00E+00	8.28E-08	2.95E-08	2.59E-08	0.00E+00	5.54E-08
2586	481424.19	3767771.15	2.8734E-07	1.1968E-07	0.00E+00	4.07E-07	2.84E-07	1.74E-07	0.00E+00	4.58E-07	5.22E-08	2.97E-08	0.00E+00	8.19E-08	2.91E-08	2.56E-08	0.00E+00	5.47E-08
2587	481414.68	3767771.11	2.8412E-07	1.1834E-07	0.00E+00	4.02E-07	2.81E-07	1.72E-07	0.00E+00	4.53E-07	5.16E-08	2.93E-08	0.00E+00	8.10E-08	2.88E-08	2.53E-08	0.00E+00	5.41E-08
2588	481405.17	3767771.07	2.8101E-07	1.1704E-07	0.00E+00	3.98E-07	2.78E-07	1.70E-07	0.00E+00	4.48E-07	5.11E-08	2.90E-08	0.00E+00	8.01E-08	2.85E-08	2.50E-08	0.00E+00	5.35E-08
2589	481395.66	3767771.03	2.7801E-07	1.1579E-07	0.00E+00	3.94E-07	2.75E-07	1.68E-07	0.00E+00	4.44E-07	5.05E-08	2.87E-08	0.00E+00	7.92E-08	2.82E-08	2.48E-08	0.00E+00	5.30E-08
2590	481386.15	3767770.99	2.7513E-07	1.1459E-07	0.00E+00	3.90E-07	2.72E-07	1.67E-07	0.00E+00	4.39E-07	5.00E-08	2.84E-08	0.00E+00	7.84E-08	2.79E-08	2.45E-08	0.00E+00	5.24E-08
2591	481376.64	3767770.95	2.7237E-07	1.1344E-07	0.00E+00	3.86E-07	2.70E-07	1.65E-07	0.00E+00	4.35E-07	4.95E-08	2.81E-08	0.00E+00	7.76E-08	2.76E-08	2.43E-08	0.00E+00	5.19E-08
2592	481367.14	3767770.91	2.6972E-07	1.1234E-07	0.00E+00	3.82E-07	2.67E-07	1.63E-07	0.00E+00	4.30E-07	4.90E-08	2.78E-08	0.00E+00	7.68E-08	2.74E-08	2.40E-08	0.00E+00	5.14E-08
2593	481357.63	3767770.87	2.672E-07	1.1129E-07	0.00E+00	3.78E-07	2.64E-07	1.62E-07	0.00E+00	4.26E-07	4.86E-08	2.76E-08	0.00E+00	7.61E-08	2.71E-08	2.38E-08	0.00E+00	5.09E-08
2594	481348.12	3767770.83	2.6477E-07	1.1028E-07	0.00E+00	3.75E-07	2.62E-07	1.60E-07	0.00E+00	4.22E-07	4.81E-08	2.73E-08	0.00E+00	7.54E-08	2.69E-08	2.36E-08	0.00E+00	5.04E-08
2595	481338.61	3767770.79	2.6247E-07	1.0932E-07	0.00E+00	3.72E-07	2.60E-07	1.59E-07	0.00E+00	4.19E-07	4.77E-08	2.71E-08	0.00E+00	7.48E-08	2.66E-08	2.34E-08	0.00E+00	5.00E-08
2596	481572.56	3767759.92	3.3881E-07	1.4111E-07	0.00E+00	4.80E-07	3.35E-07	2.05E-07	0.00E+00	5.41E-07	6.16E-08	3.50E-08	0.00E+00	9.65E-08	3.44E-08	3.02E-08	0.00E+00	6.46E-08
2597	481581.29	3767763.59	3.4677E-07	1.4443E-07	0.00E+00	4.91E-07	3.43E-07	2.10E-07	0.00E+00	5.53E-07	6.30E-08	3.58E-08	0.00E+00	9.88E-08	3.52E-08	3.09E-08	0.00E+00	6.61E-08
2598	481590.02	3767767.25	3.5498E-07	1.4785E-07	0.00E+00	5.03E-07	3.51E-07	2.15E-07	0.00E+00	5.66E-07	6.45E-08	3.66E-08	0.00E+00	1.01E-07	3.60E-08	3.16E-08	0.00E+00	6.76E-08
2599	481598.75	3767770.92	3.635E-07	1.5139E-07	0.00E+00	5.15E-07	3.60E-07	2.20E-07	0.00E+00	5.80E-07	6.60E-08	3.75E-08	0.00E+00	1.04E-07	3.69E-08	3.24E-08	0.00E+00	6.93E-08
2600	481607.48	3767774.58	3.7219E-07	1.5501E-07	0.00E+00	5.27E-07	3.68E-07	2.26E-07	0.00E+00	5.94E-07	6.76E-08	3.84E-08	0.00E+00	1.06E-07	3.78E-08	3.32E-08	0.00E+00	7.09E-08
2601	481616.21	3767778.25	3.8113E-07	1.5874E-07	0.00E+00	5.40E-07	3.77E-07	2.31E-07	0.00E+00	6.08E-07	6.93E-08	3.93E-08	0.00E+00	1.09E-07	3.87E-08	3.40E-08	0.00E+00	7.26E-08
2602	481624.94	3767781.92	3.9031E-07	1.6256E-07	0.00E+00	5.53E-07	3.86E-07	2.37E-07	0.00E+00	6.23E-07	7.09E-08	4.03E-08	0.00E+00	1.11E-07	3.96E-08	3.48E-08	0.00E+00	7.44E-08
2603	481633.67	3767785.58	3.9974E-07	1.6649E-07	0.00E+00	5.66E-07	3.96E-07	2.42E-07	0.00E+00	6.38E-07	7.26E-08	4.13E-08	0.00E+00	1.14E-07	4.05E-08	3.56E-08	0.00E+00	7.62E-08
2604	481642.4	3767789.25	4.0942E-07	1.7052E-07	0.00E+00	5.80E-07	4.05E-07	2.48E-07	0.00E+00	6.53E-07	7.44E-08	4.23E-08	0.00E+00	1.17E-07	4.15E-08	3.65E-08	0.00E+00	7.80E-08
2605	481651.12	3767792.92	4.1934E-07	1.7465E-07	0.00E+00	5.94E-07	4.15E-07	2.54E-07	0.00E+00	6.69E-07	7.62E-08	4.33E-08	0.00E+00	1.19E-07	4.25E-08	3.74E-08	0.00E+00	7.99E-08
2606	481659.85	3767796.58	4.2948E-07	1.7888E-07	0.00E+00	6.08E-07	4.25E-07	2.60E-07	0.00E+00	6.85E-07	7.80E-08	4.43E-08	0.00E+00	1.22E-07	4.36E-08	3.83E-08	0.00E+00	8.18E-08
2607	481668.58	3767800.25	4.3989E-07	1.8321E-07	0.00E+00	6.23E-07	4.35E-07	2.67E-07	0.00E+00	7.02E-07	7.99E-08	4.54E-08	0.00E+00	1.25E-07	4.46E-08	3.92E-08	0.00E+00	8.38E-08
2608	481677.31	3767803.92	4.505E-07	1.8763E-07	0.00E+00	6.38E-07	4.46E-07	2.73E-07	0.00E+00	7.19E-07	8.19E-08	4.65E-08	0.00E+00	1.28E-07	4.57E-08	4.01E-08	0.00E+00	8.58E-08
2609	481686.04	3767807.58	4.6124E-07	1.921E-07	0.00E+00	6.53E-07	4.56E-07	2.80E-07	0.00E+00	7.36E-07	8.38E-08	4.76E-08	0.00E+00	1.31E-07	4.68E-08	4.11E-08	0.00E+00	8.79E-08
2610	481720.96	3767822.25	4.8737E-07	2.0299E-07	0.00E+00	6.90E-07	4.82E-07	2.95E-07	0.00E+00	7.78E-07	8.86E-08	5.03E-08	0.00E+00	1.39E-07	4.94E-08	4.34E-08	0.00E+00	9.29E-08
2611	481729.69	3767825.92	4.9796E-07	2.074E-07	0.00E+00	7.05E-07	4.93E-07	3.02E-07	0.00E+00	7.95E-07	9.05E-08	5.14E-08	0.00E+00	1.42E-07	5.05E-08	4.44E-08	0.00E+00	9.49E-08
2612	481738.42	3767829.58	5.0835E-07	2.1173E-07	0.00E+00	7.20E-07	5.03E-07	3.08E-07	0.00E+00	8.11E-07	9.24E-08	5.25E-08	0.00E+00	1.45E-07	5.16E-08	4.53E-08	0.00E+00	9.69E-08
2613	481747.15	3767833.25	5.1866E-07	2.1602E-07	0.00E+00	7.35E-07	5.13E-07	3.14E-07	0.00E+00	8.28E-07	9.42E-08	5.35E-08	0.00E+00	1.48E-07	5.26E-08	4.62E-08	0.00E+00	9.88E-08
2614	481755.88	3767836.92	5.2887E-07	2.2027E-07	0.00E+00	7.49E-07	5.23E-07	3.21E-07	0.00E+00	8.44E-07	9.61E-08	5.46E-08	0.00E+00	1.51E-07	5.36E-08	4.71E-08	0.00E+00	1.01E-07
2615	481764.61	3767840.58	5.3964E-07	2.2476E-07	0.00E+00	7.64E-07	5.34E-07	3.27E-07	0.00E+00	8.61E-07	9.81E-08	5.57E-08	0.00E+00	1.54E-07	5.47E-08	4.81E-08	0.00E+00	1.03E-07
2616	481773.34	3767844.25	5.5057E-07	2.2931E-07	0.00E+00	7.80E-07	5.45E-07	3.34E-07	0.00E+00	8.78E-07	1.00E-07	5.68E-08	0.00E+00	1.57E-07	5.58E-08	4.91E-08	0.00E+00	1.05E-07
2617	481782.07	3767847.92	5.6178E-07	2.3398E-07	0.00E+00	7.96E-07	5.56E-07	3.40E-07	0.00E+00	8.96E-07	1.02E-07	5.80E-08	0.00E+00	1.60E-07	5.70E-08	5.01E-08	0.00E+00	1.07E-07
2618	481790.79	3767851.58	5.735E-07	2.3886E-07	0.00E+00	8.12E-07	5.68E-07	3.48E-07	0.00E+00	9.15E-07	1.04E-07	5.92E-08	0.00E+00	1.63E-07	5.82E-08	5.11E-08	0.00E+00	1.09E-07
2619	481799.52	3767855.25	0.000000585	2.4365E-07	0.00E+00	8.29E-07	5.79E-07	3.55E-07	0.00E+00	9.33E-07	1.06E-07	6.04E-08	0.00E+00	1.67E-07	5.93E-08	5.21E-08	0.00E+00	1.11E-07
2620	481808.25	3767858.92	5.963E-07	2.4836E-07	0.00E+00	8.45E-07	5.90E-07	3.61E-07	0.00E+00	9.51E-07	1.08E-07	6.16E-08	0.00E+00	1.70E-07	6.05E-08	5.31E-08	0.00E+00	1.14E-07
2621	481816.98	3767862.58	6.0727E-07	2.5292E-07	0.00E+00	8.60E-07	6.01E-07	3.68E-07	0.00E+00	9.69E-07	1.10E-07	6.27E-08	0.00E+00	1.73E-07	6.16E-08	5.41E-08	0.00E+00	1.16E-07
2622	481825.71	3767866.25	6.1834E-07	2.5754E-07	0.00E+00	8.76E-07	6.12E-07	3.75E-07	0.00E+00	9.87E-07	1.12E-07	6.38E-08	0.00E+00	1.76E-07	6.27E-08	5.51E-08	0.00E+00	1.18E-07
2623	481834.44	3767869.92	6.2943E-07	2.6216E-07	0.00E+00	8.92E-07	6.23E-07	3.81E-07	0.00E+00	1.00E-06	1.14E-07	6.50E-08	0.00E+00	1.79E-07	6.38E-08	5.61E-08	0.00E+00	1.20E-07
2624	481843.17	3767873.58	6.406E-07	2.6681E-07	0.00E+00	9.07E-07	6.34E-07	3.88E-07	0.00E+00	1.02E-06	1.16E-07	6.61E-08	0.00E+00	1.83E-07	6.50E-08	5.71E-08	0.00E+00	1.22E-07
2625	481851.9	3767877.25	6.5179E-07	2.7147E-07	0.00E+00	9.23E-07	6.45E-07	3.95E-07	0.00E+00	1.04E-06	1.18E-07	6.73E-08	0.00E+00	1.86E-07	6.61E-08	5.81E-08	0.00E+00	1.24E-07
2626	481860.63	3767880.92	6.6294E-07	2.7611E-07	0.00E+00	9.39E-07	6.56E-07	4.02E-07	0.00E+00	1.06E-06	1.20E-07	6.84E-08	0.00E+00	1.89E-07	6.72E-08	5.91E-08	0.00E+00	1.26E-07
2627	481869.36	3767884.58	6.7404E-07	2.8073E-07	0.00E+00	9.55E-07	6.67E-07	4.08E-07	0.00E+00	1.08E-06	1.22E-07	6.96E-08	0.00E+00	1.92E-07	6.84E-08	6.01E-08	0.00E+00	1.28E-07
2628	481878.09	3767888.25	6.8583E-07	2.8564E-07	0.00E+00	9.71E-07	6.79E-07	4.16E-07	0.00E+00	1.09E-06	1.25E-07	7.08E-08	0.00E+00	1.95E-07	6.96E-08	6.11E-08	0.00E+00	1.31E-07
2629	481886.82	3767891.92	6.9774E-07	2.9061E-07	0.00E+00	9.88E-07	6.90E-07	4.										

ID	X	Y	UnMitigated			T2			T2L3			T4		
			1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
176	481320	3768235	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
198	481291.6	3768236	3.10E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
199	481300.6	3768233	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
200	481309.7	3768229	2.92E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
201	481318.7	3768225	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
202	481327.7	3768222	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
223	481266.1	3768237	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
224	481274.9	3768233	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
225	481283.7	3768230	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
226	481292.6	3768226	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
227	481301.4	3768222	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
228	481310.3	3768219	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
229	481319.1	3768215	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
230	481328	3768212	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
250	481241.3	3768237	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
251	481250	3768234	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
252	481258.7	3768230	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
253	481267.4	3768227	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
254	481276	3768223	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
255	481284.7	3768219	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
256	481293.4	3768216	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
257	481302.1	3768212	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
258	481310.8	3768209	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
259	481319.5	3768205	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
260	481328.2	3768202	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
281	481234.3	3768230	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
282	481242.8	3768227	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
283	481251.4	3768223	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
284	481259.9	3768220	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
285	481268.5	3768216	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
286	481277	3768213	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
287	481285.6	3768209	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
288	481294.1	3768206	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
289	481302.7	3768202	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
290	481311.2	3768199	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
291	481319.8	3768195	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
292	481328.3	3768192	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
312	481215	3768236	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
313	481227.9	3768223	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
314	481237	3768219	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
315	481246.1	3768216	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
316	481255.1	3768212	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
317	481264.2	3768208	2.28E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
318	481273.3	3768204	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
319	481282.4	3768201	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
320	481291.5	3768197	2.12E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
321	481300.6	3768193	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
322	481309.7	3768190	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
323	481318.7	3768186	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
324	481327.8	3768182	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
344	481204.4	3768237	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
345	481208.1	3768229	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
346	481220.8	3768216	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
347	481229.8	3768212	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
348	481238.7	3768209	2.25E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
349	481247.6	3768205	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
350	481256.6	3768201	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
351	481265.5	3768198	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
352	481274.4	3768194	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
353	481283.4	3768191	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
354	481292.3	3768187	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
355	481301.2	3768183	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00				

421	481232.8	3768192	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
422	481241.5	3768188	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
423	481250.2	3768184	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
424	481258.9	3768181	1.80E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
425	481267.6	3768177	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
426	481276.2	3768174	1.73E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
427	481284.9	3768170	1.70E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
428	481293.6	3768167	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
429	481302.3	3768163	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
430	481311	3768160	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
431	481319.7	3768156	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
432	481328.4	3768153	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
441	481175.8	3768235	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
442	481179.6	3768226	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
443	481183.5	3768217	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
444	481187.3	3768208	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
445	481200.3	3768195	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
446	481209.4	3768191	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
447	481218.5	3768188	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
448	481227.6	3768184	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
449	481236.8	3768180	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
450	481245.9	3768176	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
451	481255	3768173	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
452	481273.2	3768165	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
453	481282.4	3768161	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
454	481291.5	3768158	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
455	481300.6	3768154	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
456	481309.7	3768150	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
457	481318.8	3768147	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
458	481328	3768143	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
464	481165.3	3768236	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00
465	481169.1	3768227	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
466	481172.9	3768218	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
467	481176.7	3768210	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
468	481180.5	3768201	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
469	481193.3	3768188	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
470	481202.2	3768184	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
471	481211.2	3768181	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
472	481220.2	3768177	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
473	481229.2	3768173	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
474	481238.2	3768170	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
475	481247.2	3768166	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
476	481256.2	3768162	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
477	481265.2	3768159	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
478	481274.2	3768155	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
479	481283.2	3768151	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
480	481292.2	3768148	1.47E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
481	481301.2	3768144	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
482	481310.1	3768140	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
483	481319.1	3768137	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
484	481328.1	3768133	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
500	481154.9	3768238	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
501	481158.6	3768229	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
502	481162.4	3768220	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
503	481166.1	3768211	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
504	481169.9	3768202	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
505	481173.6	3768193	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
506	481186.2	3768181	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
507	481195.1	3768177	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
508	481204	3768174	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
509	481212.9	3768170	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
510	481221.7	3768167	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
511	481230.6	3768163	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
512	481239.5	3768159	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.0				

555	481267	3768138	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
556	481275.8	3768135	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
557	481284.5	3768131	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
558	481293.3	3768128	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
559	481302.1	3768124	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
560	481310.9	3768120	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
561	481319.7	3768117	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
562	481328.4	3768113	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
581	481144.3	3768216	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
582	481148.1	3768207	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
583	481152	3768198	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
584	481155.8	3768189	1.83E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
585	481159.7	3768180	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
586	481172.7	3768167	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
587	481181.8	3768163	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
588	481191	3768159	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
589	481200.1	3768156	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
590	481209.3	3768152	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
591	481218.4	3768148	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
592	481227.5	3768145	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
593	481236.7	3768141	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
594	481245.8	3768137	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
595	481255	3768133	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
596	481273.2	3768126	1.26E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
597	481282.4	3768122	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
598	481291.5	3768118	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
599	481300.7	3768115	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
600	481309.8	3768111	1.20E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
601	481319	3768107	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
602	481328.1	3768104	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
623	481145.2	3768191	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
624	481149	3768182	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
625	481152.8	3768173	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
626	481165.7	3768160	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
627	481174.7	3768156	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
628	481183.7	3768153	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
629	481192.8	3768149	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
630	481201.8	3768145	1.36E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
631	481210.8	3768142	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
632	481219.9	3768138	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
633	481228.9	3768134	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
634	481237.9	3768130	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
635	481247	3768127	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
636	481256	3768123	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
637	481265	3768119	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
638	481274.1	3768116	1.19E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
639	481283.1	3768112	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
640	481292.1	3768108	1.16E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
641	481301.2	3768105	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
642	481310.2	3768101	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
643	481319.2	3768097	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
644	481328.3	3768094	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
668	481146	3768166	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
669	481158.7	3768153	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
670	481167.6	3768149	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
671	481176.5	3768146	1.35E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
672	481185.5	3768142	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
673	481194.4	3768138	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
674	481203.3	3768135	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
675	481212.3	3768131	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
676	481221.2	3768127	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
677	481230.1	3768124	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
678	481239.1	3768120	1.19E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
679	481248	3768117	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00			

733	481310.8	3768081	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
734	481319.7	3768078	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
735	481328.5	3768074	1.00E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
762	481120.5	3768179	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
763	481124.3	3768170	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
764	481145.1	3768139	1.28E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
765	481154.2	3768135	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
766	481163.4	3768131	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
767	481172.5	3768128	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
768	481181.7	3768124	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
769	481190.9	3768120	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
770	481200	3768116	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
771	481209.2	3768113	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
772	481218.3	3768109	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
773	481227.5	3768105	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
774	481236.7	3768102	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
775	481245.8	3768098	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
776	481255	3768094	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
777	481264.1	3768090	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
778	481273.3	3768087	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
779	481282.5	3768083	9.98E-04	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
780	481291.6	3768079	9.88E-04	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
781	481300.8	3768075	9.78E-04	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00
782	481309.9	3768072	9.70E-04	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00
783	481319.1	3768068	9.62E-04	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00
784	481328.3	3768064	9.55E-04	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00
812	481113.7	3768172	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
813	481117.5	3768163	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
814	481121.4	3768154	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
815	481125.2	3768145	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
816	481147.1	3768128	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
817	481156.2	3768125	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
818	481165.3	3768121	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
819	481174.3	3768117	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
820	481183.4	3768113	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
821	481192.4	3768110	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
822	481201.5	3768106	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
823	481210.6	3768102	1.06E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
824	481219.6	3768099	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
825	481228.7	3768095	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
826	481237.8	3768091	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
827	481246.8	3768088	9.96E-04	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
828	481255.9	3768084	9.83E-04	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00
829	481264.9	3768080	9.71E-04	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00
830	481274	3768076	9.60E-04	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	9.73E-05	0.00E+00	0.00E+00
831	481283.1	3768073	9.49E-04	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00
832	481292.1	3768069	9.40E-04	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00
833	481301.2	3768065	9.31E-04	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00
834	481310.3	3768062	9.23E-04	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00
835	481319.3	3768058	9.16E-04	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00
836	481328.4	3768054	9.10E-04	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00
864	481103.2	3768173	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
865	481107	3768164	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
866	481110.7	3768155	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
867	481114.5	3768146	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
868	481118.3	3768138	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
869	481149	3768118	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
870	481158	3768114	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
871	481167	3768110	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
872	481175.9	3768107	1.07E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
873	481184.9	3768103	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
874	481193.9	3768099	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
875	481202.9	3768096	1.02E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
876	481211.8	3768092	1.00E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00</				

931	481192	3768070	8.87E-04	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	9.00E-05	0.00E+00	0.00E+00
932	481201.1	3768066	8.74E-04	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00
933	481210.2	3768063	8.62E-04	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00
934	481219.3	3768059	8.51E-04	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00
935	481228.4	3768055	8.40E-04	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00
936	481237.5	3768052	8.30E-04	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00
937	481246.6	3768048	8.20E-04	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00
938	481255.7	3768044	8.11E-04	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00
939	481264.8	3768040	8.03E-04	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00
940	481273.9	3768037	7.95E-04	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	8.06E-05	0.00E+00	0.00E+00
941	481283	3768033	7.88E-04	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00
942	481292.1	3768029	7.81E-04	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00
943	481301.2	3768026	7.75E-04	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00
944	481310.3	3768022	7.70E-04	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00
945	481319.4	3768018	7.65E-04	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00
946	481328.5	3768015	7.61E-04	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00
973	481042.5	3768174	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
974	481046.2	3768165	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
975	481050	3768157	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
976	481053.7	3768148	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
977	481057.5	3768139	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
978	481061.2	3768130	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
979	481065	3768121	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
980	481068.7	3768112	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
981	481072.5	3768104	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
982	481076.2	3768095	9.69E-04	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00
983	481088.9	3768082	9.12E-04	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00
984	481097.7	3768079	8.98E-04	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00
985	481106.6	3768075	8.84E-04	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00
986	481115.5	3768071	8.71E-04	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00
987	481124.4	3768068	8.58E-04	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.70E-05	0.00E+00	0.00E+00
988	481151.1	3768057	8.20E-04	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00
989	481160	3768053	8.09E-04	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00
990	481168.9	3768050	7.98E-04	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00
991	481177.7	3768046	7.88E-04	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00
992	481186.6	3768042	7.77E-04	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00
993	481195.5	3768039	7.67E-04	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00
994	481204.4	3768035	7.57E-04	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00
995	481213.3	3768032	7.48E-04	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00
996	481222.2	3768028	7.40E-04	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00
997	481231.1	3768024	7.32E-04	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00
998	481240	3768021	7.24E-04	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00
999	481248.9	3768017	7.17E-04	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00
1000	481257.7	3768013	7.10E-04	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00
1001	481266.6	3768010	7.04E-04	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00
1002	481275.5	3768006	6.98E-04	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00
1003	481284.4	3768003	6.93E-04	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00
1004	481293.3	3767999	6.88E-04	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00
1005	481302.2	3767995	6.84E-04	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00
1006	481311.1	3767992	6.80E-04	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00
1007	481320	3767988	6.76E-04	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00
1008	481328.9	3767984	6.73E-04	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00
1034	481013.4	3768172	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
1035	481017.2	3768163	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
1036	481021	3768154	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
1037	481024.7	3768145	1.28E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
1038	481028.5	3768136	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
1039	481032.3	3768127	1.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
1040	481036.1	3768118	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
1041	481039.9	3768109	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
1042	481043.7	3768100	9.88E-04	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
1043	481047.5	3768091	9.43E-04	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00
1044	481051.3	3768082	9.02E-04	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00
1045	481055.1	3768073	8.64E-04	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	1.5					

1073	481328.9	3767954	6.01E-04	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00
1098	480984.1	3768170	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
1099	480988	3768161	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
1100	480991.8	3768152	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
1101	480995.6	3768143	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
1102	480999.5	3768134	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
1103	481003.3	3768125	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
1104	481007.2	3768115	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
1105	481011	3768106	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
1106	481014.8	3768097	9.64E-04	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00
1107	481018.7	3768088	9.21E-04	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00
1108	481022.5	3768079	8.81E-04	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00
1109	481026.3	3768070	8.44E-04	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00
1110	481156.1	3767995	6.30E-04	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00
1111	481165.2	3767991	6.23E-04	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00
1112	481174.3	3767988	6.15E-04	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00
1113	481183.4	3767984	6.08E-04	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00
1114	481192.5	3767980	6.01E-04	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00
1115	481201.6	3767976	5.95E-04	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00
1116	481210.7	3767973	5.89E-04	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00
1117	481219.8	3767969	5.84E-04	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00
1118	481228.8	3767965	5.78E-04	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00
1119	481237.9	3767962	5.73E-04	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00
1120	481247	3767958	5.69E-04	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00
1121	481256.1	3767954	5.64E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00
1122	481265.2	3767950	5.60E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00
1123	481274.3	3767947	5.56E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00
1147	480951	3768177	1.54E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
1148	480954.8	3768168	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1149	480958.7	3768159	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
1150	480962.6	3768150	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
1151	480966.4	3768140	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
1152	480970.3	3768131	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
1153	480974.2	3768122	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
1154	480978.1	3768113	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
1155	480981.9	3768104	9.87E-04	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
1156	480985.8	3768095	9.42E-04	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00
1157	480989.7	3768086	9.00E-04	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00
1158	480993.6	3768077	8.61E-04	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.73E-05	0.00E+00	0.00E+00
1159	481005.2	3768049	7.60E-04	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00
1160	481009	3768040	7.31E-04	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00
1161	481012.9	3768031	7.04E-04	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00
1162	481026	3768018	6.71E-04	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00
1163	481035.1	3768014	6.62E-04	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00
1164	481044.3	3768011	6.54E-04	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00
1165	481053.5	3768007	6.46E-04	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00
1166	481062.7	3768003	6.37E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
1167	481071.9	3767999	6.29E-04	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
1168	481081.1	3767996	6.21E-04	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
1169	481090.2	3767992	6.14E-04	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00
1170	481099.4	3767988	6.06E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
1171	481108.6	3767984	5.99E-04	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00
1172	481117.8	3767981	5.91E-04	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00
1173	481127	3767977	5.84E-04	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00
1174	481283	3767913	5.00E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00
1175	481292.2	3767910	4.97E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00	5.04E-05	0.00E+00	0.00E+00
1176	481301.4	3767906	4.95E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	5.02E-05	0.00E+00	0.00E+00
1177	481310.6	3767902	4.93E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00
1178	481319.8	3767898	4.91E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00
1179	481328.9	3767895	4.90E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00
1206	480934.9	3768144	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
1207	480938.7	3768135	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
1208	480942.5	3768126	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
1209	480946.3	3768117	1.05E-03	0.00E+00	0.00E+00									

1237	481203	3767916	4.82E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00
1238	481212	3767912	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
1239	481221.1	3767909	4.74E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00
1240	481230.1	3767905	4.71E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00
1241	481239.1	3767901	4.67E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	8.49E-05	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00
1242	481248.1	3767898	4.64E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	8.43E-05	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00
1243	481257.1	3767894	4.61E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	4.68E-05	0.00E+00	0.00E+00
1244	481266.1	3767890	4.59E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
1245	481275.1	3767887	4.56E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00
1246	481284.2	3767883	4.54E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00
1247	481293.2	3767879	4.52E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00
1248	481302.2	3767875	4.50E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00
1249	481311.2	3767872	4.49E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00
1250	481320.2	3767868	4.47E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
1251	481329.2	3767864	4.46E-04	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00
1284	480936.3	3768069	8.16E-04	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00
1285	480940.1	3768060	7.84E-04	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00
1286	480944	3768051	7.53E-04	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00
1287	480947.8	3768042	7.25E-04	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00
1288	480951.7	3768033	6.98E-04	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.08E-05	0.00E+00	0.00E+00
1289	480955.5	3768024	6.73E-04	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00
1290	480959.3	3768015	6.50E-04	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00
1291	480963.2	3768006	6.28E-04	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00
1292	480967	3767997	6.07E-04	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.16E-05	0.00E+00	0.00E+00
1293	480970.8	3767988	5.88E-04	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00
1294	480983.8	3767975	5.63E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.71E-05	0.00E+00	0.00E+00
1295	480992.8	3767972	5.57E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00
1296	481001.9	3767968	5.51E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00
1297	481011	3767964	5.45E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00
1298	481020.1	3767961	5.39E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00
1299	481029.2	3767957	5.33E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00
1300	481038.3	3767953	5.27E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00
1301	481047.4	3767949	5.22E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00
1302	481102	3767927	4.88E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00
1303	481111.1	3767923	4.83E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00
1304	481120.1	3767920	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.68E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
1305	481156.5	3767905	4.58E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
1306	481165.6	3767901	4.54E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00
1307	481174.7	3767898	4.50E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00
1308	481183.8	3767894	4.46E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00
1309	481192.9	3767890	4.42E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
1310	481202	3767886	4.39E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
1311	481211.1	3767883	4.35E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00
1312	481220.2	3767879	4.32E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00
1313	481229.3	3767875	4.29E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00
1314	481238.3	3767872	4.26E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00
1315	481247.4	3767868	4.24E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00
1316	481256.5	3767864	4.21E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00
1317	481265.6	3767860	4.19E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
1318	481274.7	3767857	4.17E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	7.57E-05	0.00E+00	0.00E+00	4.23E-05	0.00E+00	0.00E+00
1319	481283.8	3767853	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
1320	481292.9	3767849	4.13E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00
1321	481302	3767846	4.12E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00
1322	481311.1	3767842	4.11E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
1323	481320.2	3767838	4.10E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00
1324	481329.3	3767835	4.09E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00
1357	480903.4	3768076	8.32E-04	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00
1358	480907.2	3768067	7.98E-04	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00
1359	480911.1	3768058	7.67E-04	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00
1360	480914.9	3768049	7.38E-04	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00
1361	480918.8	3768040	7.10E-04	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00
1362	480922.7	3768031	6.84E-04	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00
1363	480926.5	3768021	6.60E-04	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00
1364	480930.4	3768012	6.37E-04	0.00E+00	0.00E+00									

1392	481228.5	3767846	3.93E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00
1393	481237.7	3767842	3.91E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00
1394	481246.8	3767838	3.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00
1395	481256	3767834	3.86E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00
1396	481265.2	3767831	3.85E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00
1397	481274.3	3767827	3.83E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00
1398	481283.5	3767823	3.81E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00
1399	481292.7	3767819	3.80E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
1400	481301.8	3767816	3.79E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00
1401	481311	3767812	3.78E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00
1402	481320.2	3767808	3.77E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00
1403	481329.3	3767805	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00
1435	480867.8	3768089	8.75E-04	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.88E-05	0.00E+00	0.00E+00
1436	480871.6	3768080	8.38E-04	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00
1437	480875.4	3768071	8.04E-04	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00
1438	480879.3	3768062	7.72E-04	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00
1439	480883.1	3768053	7.42E-04	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00
1440	480886.9	3768044	7.15E-04	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00
1441	480890.7	3768035	6.89E-04	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00
1442	480894.5	3768026	6.65E-04	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00
1443	480898.3	3768017	6.42E-04	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.51E-05	0.00E+00	0.00E+00
1444	480902.1	3768008	6.21E-04	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
1445	480905.9	3767999	6.01E-04	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00
1446	480909.7	3767990	5.82E-04	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
1447	480913.5	3767981	5.64E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.72E-05	0.00E+00	0.00E+00
1448	480917.3	3767972	5.47E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00
1449	480921.1	3767963	5.30E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00
1450	480924.9	3767954	5.15E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00
1451	480950.6	3767929	4.77E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
1452	480959.6	3767925	4.72E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00
1453	480968.6	3767922	4.68E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00
1454	480977.7	3767918	4.63E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00
1455	480986.7	3767914	4.59E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
1456	480995.7	3767911	4.54E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00
1457	481004.7	3767907	4.49E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00
1458	481013.8	3767903	4.45E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00
1459	481022.8	3767900	4.41E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00
1460	481031.8	3767896	4.36E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00
1461	481040.8	3767892	4.32E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	7.85E-05	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00
1462	481049.8	3767889	4.28E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00
1463	481058.9	3767885	4.23E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00
1464	481067.9	3767881	4.19E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
1465	481076.9	3767877	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
1466	481085.9	3767874	4.11E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
1467	481095	3767870	4.07E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00
1468	481104	3767866	4.03E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00
1469	481113	3767863	3.99E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00
1470	481122	3767859	3.95E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00
1471	481149.1	3767848	3.85E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00
1472	481158.1	3767844	3.82E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00
1473	481167.2	3767841	3.79E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00
1474	481176.2	3767837	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00
1475	481185.2	3767833	3.73E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00
1476	481194.2	3767830	3.70E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00
1477	481203.3	3767826	3.68E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00
1478	481212.3	3767822	3.66E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00
1479	481221.3	3767819	3.63E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00
1480	481230.3	3767815	3.61E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00
1481	481239.4	3767811	3.59E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00
1482	481248.4	3767808	3.58E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00
1483	481257.4	3767804	3.56E-04	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00
1484	481266.4	3767800	3.55E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00
1485	481275.4	3767797	3.53E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00
1486	481284.5	3767793	3.52E-04	0.00E+00	0.00E+00									

1540	480956.9	3767896	4.31E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00
1541	480966	3767893	4.27E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00
1542	480975.1	3767889	4.23E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00
1543	480984.2	3767885	4.19E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.61E-05	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00
1544	480993.3	3767882	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
1545	481002.4	3767878	4.11E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
1546	481011.5	3767874	4.07E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00
1547	481020.6	3767870	4.03E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00
1548	481029.7	3767867	3.99E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00
1549	481038.7	3767863	3.95E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00
1550	481047.8	3767859	3.92E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00
1551	481056.9	3767856	3.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00
1552	481066	3767852	3.84E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00
1553	481075.1	3767848	3.80E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
1554	481084.2	3767845	3.77E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00
1555	481093.3	3767841	3.73E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00
1556	481102.4	3767837	3.70E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00
1557	481111.5	3767833	3.67E-04	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00
1558	481120.6	3767830	3.63E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00
1559	481156.9	3767815	3.52E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00
1560	481166	3767811	3.49E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00
1561	481175.1	3767808	3.46E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00
1562	481184.2	3767804	3.44E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00
1563	481193.3	3767800	3.42E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00
1564	481202.4	3767796	3.40E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00
1565	481211.5	3767793	3.38E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00
1566	481220.6	3767789	3.36E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00
1567	481229.7	3767785	3.34E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00
1568	481238.7	3767782	3.32E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00
1569	481247.8	3767778	3.31E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00
1570	481256.9	3767774	3.30E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00
1571	481266	3767770	3.28E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00
1572	481275.1	3767767	3.27E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00
1573	481284.2	3767763	3.26E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00
1574	481293.3	3767759	3.25E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00
1575	481302.4	3767756	3.25E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00
1576	481311.5	3767752	3.24E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00
1577	481320.6	3767748	3.23E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00
1578	481329.6	3767745	3.23E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00
1593	481335.5	3768229	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
1594	481210.7	3768219	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
1595	481191.5	3768199	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
1596	481181.9	3768189	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
1597	481162.7	3768170	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
1598	481143.6	3768110	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
1599	481210.8	3768080	9.40E-04	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00
1600	481201.2	3768080	9.35E-04	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00
1601	481191.6	3768080	9.31E-04	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00
1602	481287.6	3768050	8.55E-04	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00
1603	481278	3768050	8.48E-04	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00
1604	481268.4	3768050	8.41E-04	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00
1605	481220.4	3768050	8.16E-04	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00
1606	481210.8	3768050	8.12E-04	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.24E-05	0.00E+00	0.00E+00
1607	481201.3	3768050	8.09E-04	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00
1608	481191.7	3768050	8.06E-04	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00
1609	481335.7	3768020	7.87E-04	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00
1610	481287.7	3768020	7.48E-04	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00
1611	481278.1	3768020	7.42E-04	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00
1612	481268.5	3768020	7.36E-04	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00
1613	481210.9	3768020	7.12E-04	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.22E-05	0.00E+00	0.00E+00
1614	481201.3	3768020	7.09E-04	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00
1615	481191.7	3768020	7.06E-04	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.16E-05	0.00E+00	0.00E+00
1616	481143.7	3768020	6.95E-04	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00
1617	481287.7	3767990	6.61E-04	0.00E+00	0.00E+									

1645	481278.3	3767840	3.98E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00
1646	481268.7	3767840	3.96E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00
1647	481220.7	3767840	3.85E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00
1648	481211.1	3767840	3.84E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00
1649	481201.5	3767840	3.82E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00
1650	481191.9	3767840	3.81E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	6.92E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
1780	481086.3	3768173	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
1789	481057.8	3768175	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
1790	481093.5	3768160	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1798	480993.7	3768171	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
1799	481036.5	3768154	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
1800	481072.2	3768139	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
1801	481107.9	3768125	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
1802	481122.2	3768119	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
1808	480938.3	3768164	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
1809	480974.9	3768149	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
1810	481011.6	3768134	1.19E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
1811	481048.3	3768119	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
1812	481084.9	3768104	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
1813	481099.6	3768098	9.92E-04	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
1814	481114.3	3768092	9.65E-04	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00
1820	480953.6	3768128	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
1821	480990.1	3768113	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
1822	481026.7	3768098	9.70E-04	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00
1823	481063.2	3768083	9.08E-04	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00
1824	481077.9	3768077	8.85E-04	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	8.98E-05	0.00E+00	0.00E+00
1825	481092.5	3768071	8.63E-04	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00
1826	481107.1	3768065	8.42E-04	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00
1827	481121.7	3768059	8.22E-04	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00
1831	480968.7	3768092	9.20E-04	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00
1832	481005.2	3768077	8.65E-04	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00
1833	481041.6	3768062	8.14E-04	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.26E-05	0.00E+00	0.00E+00
1834	481056.2	3768056	7.95E-04	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00
1835	481070.8	3768050	7.77E-04	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00
1836	481085.4	3768044	7.60E-04	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00
1837	481099.9	3768038	7.43E-04	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00
1838	481114.5	3768032	7.26E-04	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00
1841	480983.7	3768056	7.77E-04	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00
1842	481020.1	3768041	7.36E-04	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00
1843	481034.6	3768035	7.20E-04	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00
1844	481049.2	3768029	7.05E-04	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00
1845	481063.7	3768023	6.90E-04	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00
1846	481078.3	3768017	6.76E-04	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.86E-05	0.00E+00	0.00E+00
1847	481092.8	3768011	6.62E-04	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00
1848	481107.4	3768005	6.48E-04	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00
1849	481121.9	3767999	6.35E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00
1863	480809.9	3768097	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
1864	480824.4	3768091	8.68E-04	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00
1865	480853.4	3768079	8.29E-04	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00
1866	480889.7	3768064	7.82E-04	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00
1867	480926	3768049	7.41E-04	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00
1868	480962.3	3768034	7.03E-04	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00
1869	480998.6	3768019	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00
1870	481013.1	3768013	6.56E-04	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00
1871	481027.6	3768008	6.43E-04	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00
1872	481042.1	3768002	6.31E-04	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.40E-05	0.00E+00	0.00E+00
1873	481056.7	3767996	6.18E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00
1874	481071.2	3767990	6.06E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
1875	481085.7	3767984	5.95E-04	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00
1876	481100.2	3767978	5.83E-04	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00
1877	481114.7	3767972	5.72E-04	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00
1878	481129.2	3767966	5.61E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
1893	480772.4	3768100	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
1894	480778.5	3768086	8.30E-04	0.00E+00										

1939	480955.8	3767977	5.62E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
1940	480970.2	3767971	5.53E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00
1941	480984.7	3767965	5.44E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00
1942	480999.2	3767959	5.34E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	9.71E-05	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00
1943	481013.6	3767953	5.25E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	9.54E-05	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00
1944	481071.5	3767930	4.90E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00
1945	481086	3767924	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
1946	481100.4	3767918	4.73E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
1947	481114.9	3767912	4.65E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00
1965	480693.6	3768143	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
1966	480699.7	3768129	9.96E-04	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
1967	480705.8	3768115	9.27E-04	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00
1968	480711.9	3768100	8.64E-04	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00
1969	480718	3768086	8.08E-04	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00
1970	480724.2	3768072	7.58E-04	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	7.69E-05	0.00E+00	0.00E+00
1971	480761.1	3768027	6.35E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00
1972	480775.5	3768021	6.24E-04	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.33E-05	0.00E+00	0.00E+00
1973	480790	3768015	6.12E-04	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00
1974	480804.4	3768009	6.02E-04	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00
1975	480818.9	3768003	5.92E-04	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00
1976	480833.3	3767997	5.82E-04	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
1977	480847.8	3767991	5.72E-04	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00
1978	480862.2	3767985	5.62E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00
1979	480898.3	3767971	5.40E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	5.48E-05	0.00E+00	0.00E+00
1980	480934.4	3767956	5.19E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00
1981	480948.9	3767950	5.11E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00
1982	481006.6	3767926	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
1983	481021.1	3767920	4.70E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	8.55E-05	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00
1984	481035.5	3767914	4.63E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00
1985	481050	3767908	4.55E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00
1986	481064.4	3767903	4.48E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
1987	481078.9	3767897	4.40E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
1988	481093.3	3767891	4.33E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00
1989	481107.7	3767885	4.26E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	7.74E-05	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00
1990	481122.2	3767879	4.20E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00
2009	480665.6	3768138	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
2010	480671.8	3768124	9.55E-04	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00
2011	480678.2	3768109	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
2012	480684.2	3768095	8.30E-04	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00
2013	480690.4	3768080	7.76E-04	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00
2014	480696.6	3768065	7.28E-04	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00
2015	480702.9	3768051	6.85E-04	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00
2018	480725.7	3768011	5.89E-04	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00
2019	480755.1	3767999	5.70E-04	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00
2020	480769.7	3767993	5.60E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00
2021	480784.4	3767987	5.51E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00
2022	480799.1	3767981	5.42E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00
2023	480813.7	3767975	5.34E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	9.70E-05	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00
2024	480828.4	3767969	5.26E-04	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	5.33E-05	0.00E+00	0.00E+00
2025	480843.1	3767963	5.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
2026	480857.8	3767957	5.09E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	9.25E-05	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00
2027	480872.4	3767951	5.01E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	9.11E-05	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00
2028	480931.1	3767927	4.72E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00
2029	480945.8	3767921	4.64E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00
2030	480960.5	3767915	4.57E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
2031	480975.1	3767909	4.50E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00
2032	480989.8	3767903	4.43E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
2033	481004.5	3767897	4.36E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	7.92E-05	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00
2034	481019.2	3767891	4.29E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	7.79E-05	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00
2035	481033.8	3767885	4.22E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00
2036	481048.5	3767879	4.15E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00
2037	481063.2	3767873	4.09E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00
2038	481077.8	3767867	4.02E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00
2039	481092.5	3767861	3.96E-04	0.00E+00	0.00									

3489	481096.7	3769033	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
3490	481110.7	3769037	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
6012	481517.3	3768238	5.99E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
6013	481507.8	3768238	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00
6014	481498.3	3768238	5.71E-03	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00
6015	481488.8	3768238	5.57E-03	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00
6016	481479.3	3768238	5.41E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00
6017	481469.8	3768238	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
6018	481460.3	3768238	5.06E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
6019	481450.8	3768238	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
6020	481441.3	3768238	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
6021	481431.8	3768238	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
6022	481422.3	3768238	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
6023	481412.7	3768238	4.21E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00
6024	481403.2	3768238	4.06E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
6025	481393.7	3768238	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00
6026	481384.2	3768238	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6027	481374.7	3768238	3.67E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
6028	481365.2	3768238	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
6029	481355.7	3768238	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
6030	481346.2	3768238	3.40E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
6037	481602	3768260	7.99E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00
6038	481613.8	3768272	8.80E-03	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
6042	481517.4	3768228	5.35E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00
6043	481507.9	3768228	5.22E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
6044	481498.4	3768228	5.09E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00
6045	481488.9	3768228	4.96E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
6046	481479.4	3768228	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00
6047	481469.8	3768228	4.66E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
6048	481460.3	3768228	4.50E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
6049	481450.8	3768228	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
6050	481441.3	3768228	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00
6051	481431.8	3768228	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00
6052	481422.3	3768228	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
6053	481412.8	3768228	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00
6054	481403.3	3768228	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
6055	481393.8	3768228	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
6056	481384.3	3768228	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
6057	481374.8	3768228	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
6058	481365.2	3768228	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
6059	481355.7	3768228	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
6060	481346.2	3768228	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
6065	481620.7	3768265	8.11E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00
6068	481640.9	3768314	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
6069	481517.4	3768219	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
6070	481507.9	3768219	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
6071	481498.4	3768219	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
6072	481488.9	3768219	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
6073	481479.4	3768218	4.31E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00
6074	481469.9	3768218	4.17E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00
6075	481460.4	3768218	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
6076	481450.9	3768218	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
6077	481441.4	3768218	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
6078	481431.8	3768218	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
6079	481422.3	3768218	3.50E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
6080	481412.8	3768218	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
6081	481403.3	3768218	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
6082	481393.8	3768218	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
6083	481384.3	3768218	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
6084	481374.8	3768218	2.99E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6085	481365.3	3768218	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
6086	481355.8	3768218	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
6087	481346.3	3768218	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
6088	481336.8	3768218	2.72E-03	0.00E+00										

6125	481614	3768236	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
6126	481622.7	3768239	6.40E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
6127	481634.9	3768252	7.02E-03	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
6128	481638.5	3768260	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00
6129	481642	3768269	8.03E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00
6130	481645.6	3768278	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
6131	481649.1	3768287	9.05E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00
6132	481652.7	3768295	9.55E-03	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00
6133	481656.2	3768304	1.00E-02	0.00E+00	0.00E+00	9.92E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
6134	481659.8	3768313	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
6135	481663.3	3768321	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
6136	481517.5	3768199	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00
6137	481508	3768199	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00
6138	481498.5	3768199	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
6139	481489	3768199	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6140	481479.5	3768199	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
6141	481470	3768199	3.41E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
6142	481460.5	3768199	3.30E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
6143	481450.9	3768199	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00
6144	481441.4	3768199	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
6145	481431.9	3768199	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
6146	481422.4	3768199	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
6147	481412.9	3768199	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
6148	481403.4	3768198	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
6149	481393.9	3768198	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
6150	481384.4	3768198	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
6151	481374.9	3768198	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6152	481365.4	3768198	2.43E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
6153	481355.9	3768198	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
6154	481346.3	3768198	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6155	481336.8	3768198	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
6162	481604.1	3768222	5.50E-03	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
6163	481612.7	3768225	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
6164	481621.2	3768229	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00
6165	481629.8	3768232	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00
6166	481641.9	3768245	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
6167	481645.4	3768253	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
6168	481648.8	3768262	7.44E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00
6169	481652.3	3768270	7.90E-03	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00
6170	481655.8	3768279	8.36E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00
6171	481659.3	3768288	8.82E-03	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00
6172	481662.8	3768296	9.25E-03	0.00E+00	0.00E+00	9.15E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00
6173	481666.3	3768305	9.66E-03	0.00E+00	0.00E+00	9.56E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00
6174	481669.8	3768313	1.00E-02	0.00E+00	0.00E+00	9.94E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
6175	481673.3	3768322	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
6176	481517.5	3768189	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
6177	481508	3768189	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
6178	481498.5	3768189	3.39E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
6179	481489	3768189	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
6180	481479.5	3768189	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
6181	481470	3768189	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
6182	481460.5	3768189	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
6183	481451	3768189	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
6184	481441.5	3768189	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
6185	481432	3768189	2.72E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
6186	481422.5	3768189	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
6187	481413	3768189	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
6188	481403.4	3768189	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6189	481393.9	3768189	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
6190	481384.4	3768189	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
6191	481374.9	3768189	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
6192	481365.4	3768188	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
6193	481355.9	3768188	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
6194	481346.4	3768188	2.14E-03	0.00E+00	0.00E+00	2.12E								

6229	481403.5	3768179	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
6230	481394	3768179	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
6231	481384.5	3768179	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
6232	481375	3768179	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
6233	481365.4	3768179	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
6234	481355.9	3768179	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
6235	481346.4	3768179	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
6236	481336.9	3768179	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
6237	481552.2	3768180	3.56E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00
6238	481560.5	3768184	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
6244	481610.6	3768205	4.73E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
6245	481619	3768208	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
6246	481627.3	3768212	5.02E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00
6247	481635.7	3768215	5.15E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
6248	481644	3768219	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
6249	481655.8	3768230	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
6250	481662.6	3768247	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00
6251	481669.4	3768264	7.21E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00
6252	481672.8	3768272	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
6253	481679.6	3768289	8.30E-03	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00
6254	481686.4	3768306	8.95E-03	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00
6255	481693.3	3768323	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
6256	481517.6	3768169	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6257	481508.1	3768169	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
6258	481498.6	3768169	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
6259	481489.1	3768169	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
6260	481479.6	3768169	2.68E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
6261	481470.1	3768169	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
6262	481460.6	3768169	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
6263	481451.1	3768169	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
6264	481441.6	3768169	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
6265	481432.1	3768169	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
6266	481422.5	3768169	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
6267	481413	3768169	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
6268	481403.5	3768169	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
6269	481394	3768169	2.06E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
6270	481384.5	3768169	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
6271	481375	3768169	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
6272	481365.5	3768169	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
6273	481356	3768169	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
6274	481346.5	3768169	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
6275	481337	3768169	1.80E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
6276	481552	3768170	3.26E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
6277	481568.5	3768177	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
6280	481618	3768198	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
6281	481634.6	3768205	4.74E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00
6282	481651.1	3768212	4.97E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00
6283	481662.7	3768223	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
6284	481669.5	3768240	6.04E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00
6285	481676.2	3768257	6.72E-03	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
6286	481683	3768273	7.40E-03	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00
6287	481689.7	3768290	8.04E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00
6288	481693.1	3768298	8.34E-03	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00
6289	481699.8	3768315	8.88E-03	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00
6290	481517.7	3768160	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
6291	481508.2	3768160	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
6292	481498.7	3768160	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6293	481489.1	3768159	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
6294	481479.6	3768159	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6295	481470.1	3768159	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
6296	481460.6	3768159	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6297	481451.1	3768159	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
6298	481441.6	3768159	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
6299	481432.1	3768159	2.13E-03	0.00E+00	0.00E+00	2.11E-0								

6327	481687.7	3768261	6.72E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
6328	481691.2	3768269	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
6329	481694.8	3768278	7.36E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
6330	481698.3	3768287	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
6331	481701.9	3768296	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
6332	481705.4	3768304	8.23E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00
6333	481709	3768313	8.47E-03	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00
6334	481712.5	3768322	8.69E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00
6335	481517.7	3768150	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
6336	481508.2	3768150	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6337	481498.7	3768150	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
6338	481489.2	3768150	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
6339	481479.7	3768150	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
6340	481470.2	3768150	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
6341	481460.7	3768150	2.16E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
6342	481451.2	3768149	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
6343	481441.6	3768149	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
6344	481432.1	3768149	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
6345	481422.6	3768149	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
6346	481413.1	3768149	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
6347	481403.6	3768149	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
6348	481394.1	3768149	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
6349	481384.6	3768149	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
6350	481375.1	3768149	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
6351	481365.6	3768149	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
6352	481356.1	3768149	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
6353	481346.6	3768149	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
6354	481337	3768149	1.57E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
6355	481553	3768151	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
6356	481561.6	3768154	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
6357	481570.2	3768158	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
6358	481578.8	3768162	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00
6359	481587.4	3768165	3.32E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
6360	481596	3768169	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
6361	481604.6	3768172	3.59E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
6362	481613.2	3768176	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
6363	481621.8	3768180	3.86E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00
6364	481630.4	3768183	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00
6365	481639	3768187	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
6366	481647.6	3768191	4.22E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
6367	481656.2	3768194	4.33E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
6368	481664.7	3768198	4.43E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
6369	481676.9	3768210	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
6370	481680.4	3768219	5.09E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00
6371	481683.9	3768227	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
6372	481687.4	3768236	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
6373	481690.9	3768244	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
6374	481694.4	3768253	6.28E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
6375	481697.9	3768262	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00
6376	481701.4	3768270	6.89E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00
6377	481704.9	3768279	7.17E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
6378	481708.4	3768288	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
6379	481712	3768296	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
6380	481715.5	3768305	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00
6381	481719	3768314	8.15E-03	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00
6382	481722.5	3768322	8.33E-03	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00
6383	481517.8	3768140	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
6384	481508.2	3768140	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
6385	481498.7	3768140	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
6386	481489.2	3768140	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
6387	481479.7	3768140	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
6388	481470.2	3768140	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
6389	481460.7	3768140	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
6390	481451.2	3768140	1.95E-03	0.00E+00	0.00E+00									

6418	481683.8	3768203	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
6419	481687.3	3768211	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
6420	481690.8	3768220	5.06E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
6421	481694.2	3768229	5.34E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00
6422	481697.7	3768237	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
6423	481701.2	3768246	5.90E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00
6424	481704.6	3768254	6.18E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00
6425	481708.1	3768263	6.45E-03	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00
6426	481711.6	3768271	6.72E-03	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
6427	481715.1	3768280	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00
6428	481718.5	3768288	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00
6429	481722	3768297	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
6430	481725.5	3768305	7.66E-03	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00
6431	481729	3768314	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
6432	481732.4	3768323	8.00E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00
6433	481517.8	3768130	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
6434	481508.3	3768130	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
6435	481498.8	3768130	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
6436	481489.3	3768130	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
6437	481479.8	3768130	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
6438	481470.3	3768130	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
6439	481460.7	3768130	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
6440	481451.2	3768130	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
6441	481441.7	3768130	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
6442	481432.2	3768130	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6443	481422.7	3768130	1.67E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
6444	481413.2	3768130	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
6445	481403.7	3768130	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
6446	481394.2	3768130	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
6447	481384.7	3768130	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
6448	481375.2	3768130	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
6449	481365.7	3768129	1.46E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
6450	481356.1	3768129	1.43E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
6451	481346.6	3768129	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
6452	481337.1	3768129	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
6453	481552.6	3768131	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
6454	481561	3768134	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
6455	481569.4	3768138	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6456	481577.9	3768142	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
6457	481586.3	3768145	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
6458	481594.7	3768149	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
6459	481603.1	3768152	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
6460	481611.5	3768156	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
6461	481620	3768159	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
6462	481628.4	3768163	3.40E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
6463	481636.8	3768166	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
6464	481645.2	3768170	3.61E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6465	481653.7	3768173	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
6466	481662.1	3768177	3.81E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
6467	481670.5	3768180	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
6468	481678.9	3768184	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
6469	481690.8	3768196	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
6470	481694.2	3768204	4.53E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
6471	481701.1	3768221	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00
6472	481704.5	3768230	5.29E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00
6473	481708	3768238	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
6474	481711.4	3768247	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00
6475	481714.9	3768255	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
6476	481718.3	3768264	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
6477	481725.2	3768281	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
6478	481728.6	3768289	7.00E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
6479	481732.1	3768297	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00
6480	481735.5	3768306	7.53E-03	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
6481	481738.9	3768314	7.72E-03	0.00E+00	0.00E+									

6509	481610.9	3768146	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
6510	481619.2	3768149	3.05E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
6511	481627.6	3768153	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
6512	481635.9	3768156	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
6513	481644.2	3768160	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
6514	481652.6	3768163	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
6515	481660.9	3768167	3.54E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00
6516	481669.3	3768170	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
6517	481677.6	3768174	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
6518	481686	3768177	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6519	481697.7	3768189	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
6520	481704.6	3768206	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00
6521	481711.4	3768223	4.99E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
6522	481714.8	3768231	5.23E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00
6523	481721.6	3768248	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00
6524	481728.4	3768264	6.16E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
6525	481735.2	3768281	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00
6526	481742.1	3768298	7.09E-03	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00
6527	481745.5	3768306	7.28E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
6528	481752.3	3768323	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
6529	481517.9	3768110	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
6530	481508.4	3768110	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
6531	481498.9	3768110	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
6532	481489.3	3768110	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
6533	481479.8	3768110	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
6534	481470.3	3768110	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
6535	481460.8	3768110	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
6536	481451.3	3768110	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
6537	481441.8	3768110	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
6538	481432.3	3768110	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
6539	481422.8	3768110	1.47E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
6540	481413.3	3768110	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
6541	481403.8	3768110	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
6542	481394.3	3768110	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
6543	481384.8	3768110	1.35E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
6544	481375.2	3768110	1.32E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
6545	481365.7	3768110	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
6546	481356.2	3768110	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
6547	481346.7	3768110	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
6548	481337.2	3768110	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
6549	481553.5	3768112	2.09E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
6550	481562.2	3768115	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
6551	481570.9	3768119	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
6552	481579.6	3768123	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
6553	481588.3	3768126	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6554	481597	3768130	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
6555	481605.7	3768133	2.67E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
6556	481623.1	3768141	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
6557	481631.8	3768144	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
6558	481640.5	3768148	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
6559	481649.2	3768152	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
6560	481657.9	3768155	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
6561	481666.5	3768159	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
6562	481675.2	3768163	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
6563	481683.9	3768166	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
6564	481692.6	3768170	3.61E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00
6565	481704.9	3768182	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6566	481708.4	3768191	4.01E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00
6567	481712	3768200	4.24E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
6568	481715.5	3768209	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
6569	481719.1	3768217	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
6570	481722.6	3768226	5.00E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00
6571	481726.2	3768235	5.23E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
6572	481729.7	3768244	5.46E-03	0.00E+00	0.									

6600	481346.8	3768100	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
6601	481337.2	3768100	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
6602	481553.3	3768102	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
6603	481561.9	3768105	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
6604	481570.5	3768109	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
6605	481579.1	3768112	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
6606	481587.8	3768116	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
6607	481596.4	3768120	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
6608	481605	3768123	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6609	481613.6	3768127	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
6610	481622.2	3768131	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
6611	481630.8	3768134	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
6612	481639.4	3768138	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
6613	481648	3768141	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
6614	481656.7	3768145	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
6615	481665.3	3768149	3.13E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
6616	481673.9	3768152	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
6617	481682.5	3768156	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
6618	481691.1	3768160	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
6619	481699.7	3768163	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
6620	481711.8	3768175	3.61E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00
6621	481715.4	3768184	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
6622	481718.9	3768193	4.01E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
6623	481722.4	3768201	4.22E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
6624	481725.9	3768210	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00
6625	481729.4	3768219	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00
6626	481733	3768227	4.94E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00
6627	481736.5	3768236	5.13E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00
6628	481740	3768245	5.36E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
6629	481743.5	3768253	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
6630	481747	3768262	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00
6631	481750.5	3768271	6.02E-03	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00
6632	481754.1	3768279	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
6633	481757.6	3768288	6.42E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
6634	481761.1	3768297	6.60E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00
6635	481764.6	3768305	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
6636	481768.1	3768314	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
6637	481771.7	3768323	7.03E-03	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00
6638	481518	3768091	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
6639	481508.4	3768091	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
6640	481498.9	3768091	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
6641	481489.4	3768091	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
6642	481479.9	3768091	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
6643	481470.4	3768091	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
6644	481460.9	3768091	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
6645	481451.4	3768090	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
6646	481441.9	3768090	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
6647	481432.4	3768090	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
6648	481422.9	3768090	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
6649	481413.4	3768090	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
6650	481403.9	3768090	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
6651	481394.3	3768090	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
6652	481384.8	3768090	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
6653	481375.3	3768090	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
6654	481365.8	3768090	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
6655	481356.3	3768090	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
6656	481346.8	3768090	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
6657	481337.3	3768090	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
6658	481553.1	3768092	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
6659	481561.7	3768095	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
6660	481570.2	3768099	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
6661	481578.7	3768102	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
6662	481587.3	3768106	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
6663	481595.8	3768110	2.23E-03	0.00E+00	0.00E+00									

6691	481767.6	3768288	6.24E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
6692	481771.1	3768297	6.40E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00
6693	481774.6	3768306	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
6694	481778.1	3768314	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
6695	481781.6	3768323	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
6696	481518	3768081	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
6697	481508.5	3768081	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
6698	481499	3768081	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
6699	481489.5	3768081	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
6700	481480	3768081	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
6701	481470.5	3768081	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
6702	481460.9	3768081	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
6703	481451.4	3768081	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
6704	481441.9	3768081	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
6705	481432.4	3768081	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
6706	481422.9	3768081	1.24E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
6707	481413.4	3768080	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
6708	481403.9	3768080	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
6709	481394.4	3768080	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
6710	481384.9	3768080	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
6711	481375.4	3768080	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
6712	481365.9	3768080	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
6713	481356.3	3768080	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
6714	481346.8	3768080	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
6715	481337.3	3768080	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
6716	481553	3768082	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6717	481561.4	3768085	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
6718	481569.9	3768089	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
6719	481578.4	3768092	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
6720	481586.8	3768096	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
6721	481595.3	3768100	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
6722	481603.8	3768103	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
6723	481612.2	3768107	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
6724	481620.7	3768110	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6725	481629.2	3768114	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
6726	481637.6	3768117	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
6727	481646.1	3768121	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
6728	481654.6	3768124	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
6729	481663	3768128	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
6730	481671.5	3768132	2.79E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
6731	481680	3768135	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
6732	481688.4	3768139	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
6733	481696.9	3768142	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
6734	481705.4	3768146	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6735	481713.9	3768149	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
6736	481725.8	3768161	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
6737	481729.2	3768170	3.44E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
6738	481732.7	3768178	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6739	481736.2	3768187	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
6740	481739.6	3768195	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00
6741	481743.1	3768204	4.18E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00
6742	481746.5	3768212	4.38E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
6743	481750	3768221	4.57E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
6744	481753.5	3768229	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
6745	481756.9	3768238	4.97E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00
6746	481760.4	3768247	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00
6747	481763.8	3768255	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
6748	481767.3	3768264	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
6749	481770.7	3768272	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
6750	481774.2	3768281	5.90E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
6751	481777.7	3768289	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
6752	481781.1	3768298	6.21E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00
6753	481784.6	3768306	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
6754	481788	3768315	6.46E-03	0.00E+00	0.00E+00									

6782	481603.2	3768093	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
6783	481611.6	3768097	2.10E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
6784	481620	3768100	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
6785	481628.5	3768104	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
6786	481636.9	3768107	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6787	481645.3	3768111	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
6788	481653.7	3768114	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
6789	481662.1	3768118	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
6790	481670.5	3768121	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6791	481678.9	3768125	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
6792	481687.3	3768128	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
6793	481695.7	3768132	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
6794	481704.1	3768135	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
6795	481712.5	3768139	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
6796	481720.9	3768142	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
6797	481732.7	3768154	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
6798	481736.2	3768163	3.28E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
6799	481743	3768180	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6800	481746.5	3768188	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
6801	481749.9	3768197	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
6802	481756.8	3768214	4.33E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
6803	481760.2	3768222	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00
6804	481763.7	3768230	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00
6805	481767.1	3768239	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
6806	481774	3768256	5.25E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00
6807	481777.4	3768264	5.43E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00
6808	481780.8	3768273	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
6809	481787.7	3768290	5.89E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00
6810	481791.1	3768298	6.02E-03	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00
6811	481794.6	3768306	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
6812	481798	3768315	6.25E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
6813	481518.1	3768061	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
6814	481508.6	3768061	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
6815	481499.1	3768061	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
6816	481489.6	3768061	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
6817	481480	3768061	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
6818	481470.5	3768061	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
6819	481461	3768061	1.22E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
6820	481451.5	3768061	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
6821	481442	3768061	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
6822	481432.5	3768061	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
6823	481423	3768061	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
6824	481413.5	3768061	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
6825	481404	3768061	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
6826	481394.5	3768061	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
6827	481385	3768061	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
6828	481375.4	3768061	1.01E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
6829	481365.9	3768061	9.93E-04	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
6830	481356.4	3768061	9.77E-04	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.91E-05	0.00E+00	0.00E+00
6831	481346.9	3768061	9.62E-04	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00
6832	481337.4	3768060	9.49E-04	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00
6833	481553.7	3768062	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
6834	481562.4	3768066	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
6835	481571.1	3768070	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
6836	481579.8	3768073	1.71E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6837	481588.5	3768077	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
6838	481597.2	3768081	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
6839	481605.9	3768084	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
6840	481623.3	3768092	2.07E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
6841	481632	3768095	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
6842	481640.7	3768099	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
6843	481649.4	3768103	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
6844	481658.1	3768106	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
6845	481666.8	3768110	2.43E-03	0.00E+00	0.00E+00	2.40E								

6873	481810.9	3768323	6.12E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00
6874	481518.1	3768051	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
6875	481508.6	3768051	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
6876	481499.1	3768051	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
6877	481489.6	3768051	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
6878	481480.1	3768051	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
6879	481470.6	3768051	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
6880	481461.1	3768051	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
6881	481451.6	3768051	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
6882	481442.1	3768051	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
6883	481432.5	3768051	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
6884	481423	3768051	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
6885	481413.5	3768051	1.04E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
6886	481404	3768051	1.02E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
6887	481394.5	3768051	9.96E-04	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
6888	481385	3768051	9.78E-04	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.92E-05	0.00E+00	0.00E+00
6889	481375.5	3768051	9.61E-04	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00
6890	481366	3768051	9.46E-04	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00
6891	481356.5	3768051	9.31E-04	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00
6892	481347	3768051	9.18E-04	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	9.31E-05	0.00E+00	0.00E+00
6893	481337.5	3768051	9.05E-04	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00
6894	481553.5	3768052	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
6895	481562.2	3768056	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
6896	481570.8	3768060	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
6897	481579.4	3768063	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
6898	481588.1	3768067	1.67E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
6899	481596.7	3768071	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
6900	481605.3	3768074	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
6901	481613.9	3768078	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
6902	481622.6	3768081	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
6903	481631.2	3768085	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
6904	481639.8	3768089	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
6905	481648.4	3768092	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
6906	481657.1	3768096	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
6907	481665.7	3768100	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
6908	481674.3	3768103	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
6909	481682.9	3768107	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
6910	481691.6	3768110	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
6911	481700.2	3768114	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
6912	481708.8	3768118	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
6913	481717.4	3768121	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
6914	481726.1	3768125	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
6915	481734.7	3768129	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
6916	481746.8	3768141	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
6917	481750.4	3768149	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
6918	481753.9	3768158	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
6919	481757.4	3768167	3.31E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
6920	481760.9	3768175	3.46E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
6921	481764.5	3768184	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
6922	481768	3768193	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00
6923	481771.5	3768201	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
6924	481775	3768210	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
6925	481778.5	3768219	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
6926	481782.1	3768227	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
6927	481785.6	3768236	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
6928	481789.1	3768245	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
6929	481792.6	3768253	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
6930	481796.2	3768262	5.11E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
6931	481799.7	3768271	5.26E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00
6932	481803.2	3768279	5.40E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00
6933	481806.7	3768288	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
6934	481810.3	3768297	5.65E-03	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00
6935	481813.8	3768305	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
6936	481817.3	3768314	5.84E-03	0.00E+00	0.00E+00									

6964	481603.9	3768044	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
6965	481612.4	3768047	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
6966	481620.8	3768051	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
6967	481629.3	3768054	1.66E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
6968	481637.8	3768058	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
6969	481646.2	3768061	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
6970	481654.7	3768065	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
6971	481663.1	3768068	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
6972	481671.6	3768072	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
6973	481680.1	3768076	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
6974	481688.5	3768079	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
6975	481697	3768083	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
6976	481705.4	3768086	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
6977	481713.9	3768090	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
6978	481722.4	3768093	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
6979	481730.8	3768097	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
6980	481739.3	3768100	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
6981	481747.7	3768104	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
6982	481756.2	3768108	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
6983	481768.1	3768120	2.50E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
6984	481771.6	3768128	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
6985	481775	3768137	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
6986	481778.5	3768145	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
6987	481781.9	3768154	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
6988	481785.4	3768162	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
6989	481788.8	3768171	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
6990	481792.3	3768179	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
6991	481795.7	3768188	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
6992	481799.2	3768196	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
6993	481802.7	3768205	3.81E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00
6994	481806.1	3768213	3.96E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
6995	481809.6	3768222	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00
6996	481813	3768230	4.24E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
6997	481816.5	3768239	4.38E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
6998	481819.9	3768247	4.51E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
6999	481823.4	3768256	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
7000	481826.8	3768264	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
7001	481830.3	3768273	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
7002	481833.8	3768281	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
7003	481837.2	3768290	5.08E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
7004	481840.7	3768298	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00
7005	481844.1	3768307	5.25E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
7006	481847.6	3768315	5.31E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
7007	481851	3768324	5.37E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
7008	481518.3	3768012	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
7009	481508.8	3768012	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
7010	481499.3	3768011	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
7011	481489.8	3768011	1.00E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
7012	481480.3	3768011	9.84E-04	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00
7013	481470.7	3768011	9.64E-04	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.78E-05	0.00E+00	0.00E+00
7014	481461.2	3768011	9.44E-04	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00
7015	481451.7	3768011	9.25E-04	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00
7016	481442.2	3768011	9.07E-04	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00
7017	481432.7	3768011	8.89E-04	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00
7018	481423.2	3768011	8.72E-04	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.85E-05	0.00E+00	0.00E+00
7019	481413.7	3768011	8.56E-04	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00
7020	481404.2	3768011	8.41E-04	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00
7021	481394.7	3768011	8.27E-04	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.39E-05	0.00E+00	0.00E+00
7022	481385.2	3768011	8.13E-04	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00
7023	481375.7	3768011	8.01E-04	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.12E-05	0.00E+00	0.00E+00
7024	481366.1	3768011	7.89E-04	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00
7025	481356.6	3768011	7.78E-04	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00
7026	481347.1	3768011	7.67E-04	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00
7027	481337.6	3768011	7.58E-04	0.00E+00	0.00									

7055	481789.5	3768099	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
7056	481793	3768107	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
7057	481796.5	3768116	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
7058	481800	3768125	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
7059	481803.5	3768133	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7060	481807.1	3768142	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
7061	481810.6	3768150	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
7062	481814.1	3768159	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
7063	481817.6	3768168	3.10E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
7064	481821.1	3768176	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
7065	481824.6	3768185	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
7066	481828.1	3768194	3.46E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
7067	481831.7	3768202	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
7068	481835.2	3768211	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
7069	481838.7	3768220	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00
7070	481842.2	3768228	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
7071	481845.7	3768237	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
7072	481849.2	3768246	4.18E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00
7073	481852.7	3768254	4.29E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
7074	481856.3	3768263	4.40E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00
7075	481859.8	3768271	4.49E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
7076	481863.3	3768280	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00
7077	481866.8	3768289	4.66E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
7078	481870.3	3768297	4.73E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00
7079	481873.8	3768306	4.79E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00
7080	481877.3	3768315	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
7081	481880.9	3768323	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
7082	481518.4	3767982	9.27E-04	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00
7083	481508.9	3767982	9.08E-04	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00
7084	481499.4	3767981	8.91E-04	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	9.03E-05	0.00E+00	0.00E+00
7085	481489.9	3767981	8.73E-04	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00
7086	481480.4	3767981	8.56E-04	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00
7087	481470.9	3767981	8.40E-04	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00
7088	481461.4	3767981	8.24E-04	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00
7089	481451.8	3767981	8.08E-04	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00
7090	481442.3	3767981	7.93E-04	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00
7091	481432.8	3767981	7.79E-04	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00
7092	481423.3	3767981	7.66E-04	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00
7093	481413.8	3767981	7.52E-04	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00
7094	481404.3	3767981	7.40E-04	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00
7095	481394.8	3767981	7.28E-04	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.39E-05	0.00E+00	0.00E+00
7096	481385.3	3767981	7.17E-04	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00
7097	481375.8	3767981	7.07E-04	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00
7098	481366.3	3767981	6.97E-04	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.07E-05	0.00E+00	0.00E+00
7099	481356.8	3767981	6.87E-04	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00
7100	481347.3	3767981	6.79E-04	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00
7101	481337.7	3767981	6.71E-04	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00
7102	481554.2	3767963	9.13E-04	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.26E-05	0.00E+00	0.00E+00
7103	481563	3767966	9.43E-04	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00
7104	481571.7	3767970	9.75E-04	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.89E-05	0.00E+00	0.00E+00
7105	481580.4	3767974	1.01E-03	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
7106	481589.1	3767977	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
7107	481597.9	3767981	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
7108	481606.6	3767985	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
7109	481615.3	3767988	1.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
7110	481624	3767992	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
7111	481632.8	3767996	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
7112	481641.5	3767999	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
7113	481650.2	3768003	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
7114	481659	3768007	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
7115	481667.7	3768010	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7116	481676.4	3768014	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
7117	481685.1	3768018	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
7118	481693.9	3768021	1.45E-03	0.00E+00	0.00E+									

7146	481864.4	3768209	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
7147	481867.9	3768218	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
7148	481871.5	3768227	3.69E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
7149	481875	3768235	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
7150	481878.6	3768244	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
7151	481882.2	3768253	3.99E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
7152	481885.7	3768262	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
7153	481889.3	3768271	4.16E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00
7154	481892.9	3768279	4.23E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
7155	481896.4	3768288	4.29E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
7156	481900	3768297	4.35E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
7157	481903.6	3768306	4.40E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00
7158	481907.1	3768314	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
7159	481910.7	3768323	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
7160	481518.5	3767952	8.11E-04	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.23E-05	0.00E+00	0.00E+00
7161	481509	3767952	7.96E-04	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.08E-05	0.00E+00	0.00E+00
7162	481499.5	3767951	7.82E-04	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00
7163	481490	3767951	7.67E-04	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00
7164	481480.5	3767951	7.53E-04	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00
7165	481471	3767951	7.40E-04	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00
7166	481461.5	3767951	7.26E-04	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.37E-05	0.00E+00	0.00E+00
7167	481452	3767951	7.14E-04	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00
7168	481442.5	3767951	7.01E-04	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00
7169	481433	3767951	6.90E-04	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00
7170	481423.4	3767951	6.78E-04	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00
7171	481413.9	3767951	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00
7172	481404.4	3767951	6.57E-04	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00
7173	481394.9	3767951	6.47E-04	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00
7174	481385.4	3767951	6.38E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
7175	481375.9	3767951	6.29E-04	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
7176	481366.4	3767951	6.21E-04	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
7177	481356.9	3767951	6.13E-04	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00
7178	481347.4	3767951	6.06E-04	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
7179	481337.9	3767951	5.99E-04	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00
7180	481596.9	3767950	9.33E-04	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00
7181	481605.4	3767954	9.62E-04	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00
7182	481614	3767958	9.91E-04	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
7183	481622.6	3767961	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
7184	481631.2	3767965	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
7185	481639.8	3767968	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
7186	481648.4	3767972	1.12E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
7187	481656.9	3767976	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
7188	481665.5	3767979	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
7189	481674.1	3767983	1.22E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
7190	481682.7	3767986	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
7191	481691.3	3767990	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
7192	481699.9	3767994	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
7193	481708.5	3767997	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
7194	481717	3768001	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
7195	481725.6	3768005	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
7196	481734.2	3768008	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
7197	481742.8	3768012	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
7198	481751.4	3768015	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
7199	481760	3768019	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
7200	481768.6	3768023	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
7201	481777.1	3768026	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
7202	481785.7	3768030	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
7203	481794.3	3768033	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
7204	481802.9	3768037	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
7205	481811.5	3768041	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
7206	481820.1	3768044	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
7207	481832.2	3768056	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
7208	481835.7	3768065	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
7209	481839.2	3768074	1.93E-03	0.00E+00	0.00E+00	1.9								

7237	481580.5	3767914	7.76E-04	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00
7238	481589.2	3767917	7.99E-04	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00
7239	481597.8	3767921	8.24E-04	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00
7240	481606.5	3767924	8.48E-04	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00
7241	481615.2	3767928	8.73E-04	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	8.86E-05	0.00E+00	0.00E+00
7242	481667.4	3767950	1.04E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
7243	481676.1	3767954	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
7244	481684.8	3767957	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
7245	481693.5	3767961	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
7246	481702.2	3767965	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
7247	481710.9	3767968	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
7248	481719.6	3767972	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
7249	481728.3	3767976	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
7250	481737	3767979	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
7251	481745.7	3767983	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
7252	481754.3	3767987	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
7253	481763	3767990	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
7254	481771.7	3767994	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
7255	481780.4	3767997	1.36E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
7256	481789.1	3768001	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7257	481797.8	3768005	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
7258	481806.5	3768008	1.43E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
7259	481815.2	3768012	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
7260	481823.9	3768016	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
7261	481832.6	3768019	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
7262	481841.3	3768023	1.54E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
7263	481853.5	3768035	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
7264	481857.1	3768044	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
7265	481860.6	3768053	1.74E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
7266	481864.2	3768062	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
7267	481867.7	3768070	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
7268	481871.3	3768079	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
7269	481874.8	3768088	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
7270	481878.4	3768097	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
7271	481881.9	3768105	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
7272	481885.5	3768114	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
7273	481889.1	3768123	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
7274	481892.6	3768132	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
7275	481896.2	3768140	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
7276	481899.7	3768149	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
7277	481903.3	3768158	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7278	481906.8	3768166	2.72E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
7279	481910.4	3768175	2.80E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
7280	481913.9	3768184	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
7281	481917.5	3768193	2.97E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
7282	481921	3768201	3.05E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
7283	481924.6	3768210	3.13E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
7284	481928.1	3768219	3.21E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
7285	481933	3768228	3.65E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00
7286	481936.5	3768237	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00
7287	481940.1	3768246	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
7288	481943.6	3768255	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
7289	481947.2	3768264	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
7290	481950.7	3768273	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00
7291	481954.3	3768282	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00
7292	481957.8	3768291	6.50E-04	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00
7293	481961.3	3768300	6.39E-04	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00
7294	481964.8	3768309	6.29E-04	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
7295	481968.3	3768318	6.18E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00
7296	481971.8	3768327	6.08E-04	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00
7297	481975.3	3768336	5.98E-04	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00
7298	481978.8	3768345	5.89E-04	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00
7299	481982.3	3768354	5.80E-04	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00
7300	481985.8	3768363	5.71E-04	0.00E+00	0.00									

7328	481742.7	3767952	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
7329	481751.3	3767955	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
7330	481759.9	3767959	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00
7331	481768.4	3767962	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
7332	481777	3767966	1.18E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
7333	481785.6	3767970	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
7334	481794.2	3767973	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
7335	481802.7	3767977	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
7336	481811.3	3767980	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
7337	481819.9	3767984	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
7338	481828.5	3767988	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
7339	481837	3767991	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
7340	481845.6	3767995	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
7341	481854.2	3767998	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7342	481862.7	3768002	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
7343	481874.8	3768014	1.47E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
7344	481878.3	3768023	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
7345	481881.8	3768031	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
7346	481885.3	3768040	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
7347	481888.8	3768049	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
7348	481892.3	3768057	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
7349	481895.8	3768066	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
7350	481899.3	3768075	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
7351	481902.8	3768083	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
7352	481906.3	3768092	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
7353	481909.8	3768100	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
7354	481913.3	3768109	2.13E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
7355	481916.8	3768118	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
7356	481920.3	3768126	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
7357	481923.8	3768135	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
7358	481927.3	3768143	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
7359	481930.8	3768152	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
7360	481934.3	3768160	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
7361	481937.8	3768169	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7362	481941.3	3768177	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
7363	481944.8	3768186	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
7364	481948.3	3768194	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
7365	481951.8	3768203	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
7366	481955.3	3768211	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
7367	481958.8	3768220	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
7368	481962.3	3768228	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
7369	481965.8	3768237	3.28E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
7370	481969.3	3768245	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
7371	481972.8	3768254	3.44E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
7372	481976.3	3768262	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
7373	481979.8	3768271	3.60E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
7374	481983.3	3768279	3.68E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
7375	481986.8	3768288	3.76E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
7376	481990.3	3768296	3.84E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00
7377	481993.8	3768305	3.92E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
7378	481997.3	3768313	4.00E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
7379	482000.8	3768322	4.08E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
7380	482004.3	3768330	4.16E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00
7381	482007.8	3768339	4.24E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
7382	482011.3	3768347	4.32E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
7383	482014.8	3768356	4.40E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
7384	482018.3	3768364	4.48E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
7385	482021.8	3768373	4.56E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
7386	482025.3	3768381	4.64E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00
7387	482028.8	3768390	4.72E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
7388	482032.3	3768398	4.80E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
7389	482035.8	3768407	4.88E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00
7390	482039.3	3768415	4.96E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
7391	482042.8	3768424	5.04E-03	0.00E+00										

7419	481823.3	3767955	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
7420	481832	3767959	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
7421	481840.6	3767963	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
7422	481849.3	3767966	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
7423	481858	3767970	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
7424	481866.6	3767974	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
7425	481875.3	3767977	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
7426	481884	3767981	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
7427	481896.2	3767993	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
7428	481899.7	3768002	1.40E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
7429	481903.3	3768011	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
7430	481906.8	3768019	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
7431	481910.4	3768028	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
7432	481913.9	3768037	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
7433	481917.4	3768045	1.64E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
7434	481921	3768054	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
7435	481924.5	3768063	1.75E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
7436	481928.1	3768072	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
7437	481931.6	3768080	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
7438	481952.9	3768133	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
7439	481956.4	3768141	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
7440	481959.9	3768150	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
7441	481963.5	3768159	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7442	481967	3768167	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
7443	481970.6	3768176	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
7444	481974.1	3768185	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
7445	481977.6	3768194	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
7446	481981.2	3768202	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
7447	481984.7	3768211	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
7448	481988.3	3768220	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
7449	481991.8	3768228	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
7450	481995.4	3768237	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
7451	481998.9	3768246	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
7452	482002.4	3768255	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
7453	482006	3768263	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
7454	482009.5	3768272	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
7455	482013.1	3768281	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
7456	482016.6	3768289	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
7457	482020.1	3768298	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
7458	482023.7	3768307	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
7459	482027.2	3768316	3.24E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00
7460	482030.8	3768324	3.25E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00
7461	481528.5	3767832	5.26E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00
7462	481519	3767832	5.19E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00
7463	481509.5	3767832	5.11E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00
7464	481500	3767831	5.04E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00
7465	481490.5	3767831	4.96E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	9.02E-05	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00
7466	481481	3767831	4.89E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00
7467	481471.5	3767831	4.82E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00
7468	481462	3767831	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00
7469	481452.5	3767831	4.69E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	8.52E-05	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00
7470	481443	3767831	4.63E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00
7471	481433.5	3767831	4.57E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00
7472	481423.9	3767831	4.51E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	8.19E-05	0.00E+00	0.00E+00	4.57E-05	0.00E+00	0.00E+00
7473	481414.4	3767831	4.45E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00
7474	481404.9	3767831	4.40E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
7475	481395.4	3767831	4.35E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	4.41E-05	0.00E+00	0.00E+00
7476	481385.9	3767831	4.30E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	7.81E-05	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00
7477	481376.4	3767831	4.25E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	7.72E-05	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00
7478	481366.9	3767831	4.20E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00
7479	481357.4	3767831	4.16E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	7.56E-05	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00
7480	481347.9	3767831	4.12E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00
7481	481338.4	3767831	4.08E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00
7482	481563.7	3767816	5.28E-04	0.00E+00	0.00E+00	5.23E								

7510	481835.2	3767930	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
7511	481879	3767949	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
7512	481887.7	3767952	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
7513	481896.5	3767956	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
7514	481905.2	3767960	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
7515	481917.6	3767972	1.25E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
7516	481921.1	3767981	1.29E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
7517	481924.7	3767990	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
7518	481928.3	3767999	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
7519	481931.9	3768007	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
7520	481953.3	3768060	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
7521	481956.9	3768069	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
7522	481960.5	3768078	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
7523	481964.1	3768087	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
7524	481967.6	3768095	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
7525	481971.2	3768104	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
7526	481974.8	3768113	2.03E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
7527	481978.4	3768122	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
7528	481982	3768131	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
7529	481985.5	3768139	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
7530	481989.1	3768148	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
7531	481992.7	3768157	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
7532	481996.3	3768166	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
7533	481999.8	3768175	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7534	482003.4	3768183	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
7535	482007	3768192	2.55E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
7536	482010.6	3768201	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
7537	482014.2	3768210	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
7538	482017.7	3768219	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
7539	482021.3	3768227	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
7540	482024.9	3768236	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
7541	482028.5	3768245	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
7542	482032	3768254	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
7543	482035.6	3768263	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
7544	482039.2	3768271	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
7545	482042.8	3768280	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
7546	482046.3	3768289	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
7547	482049.9	3768298	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
7548	482053.5	3768307	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
7549	482057.1	3768315	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
7550	482060.7	3768324	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
7561	481433.6	3767801	4.18E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00
7562	481424.1	3767801	4.13E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	4.19E-05	0.00E+00	0.00E+00
7563	481414.6	3767801	4.08E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00
7564	481405.1	3767801	4.03E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00
7565	481395.5	3767801	3.99E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00
7566	481386	3767801	3.95E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	7.17E-05	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00
7567	481376.5	3767801	3.90E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00
7568	481367	3767801	3.86E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00
7569	481357.5	3767801	3.83E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	3.88E-05	0.00E+00	0.00E+00
7570	481348	3767801	3.79E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00
7571	481338.5	3767801	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00
7573	481563.4	3767786	4.79E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00
7574	481572	3767790	4.91E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	8.92E-05	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00
7575	481580.7	3767793	5.03E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	9.14E-05	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00
7576	481589.3	3767797	5.15E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	9.37E-05	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00
7577	481598	3767801	5.28E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
7578	481606.6	3767804	5.41E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00
7579	481615.3	3767808	5.55E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00
7580	481623.9	3767812	5.69E-04	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00
7581	481632.6	3767815	5.83E-04	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00
7582	481641.2	3767819	5.97E-04	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00
7583	481649.9	3767822	6.12E-04	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00
7584	481658.5	3767826	6.27E-04	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+0			

7612	481960.1	3768003	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7613	481963.6	3768012	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
7614	481967.1	3768021	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
7615	481970.7	3768029	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
7616	481974.2	3768038	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
7617	481977.7	3768047	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
7618	481981.3	3768055	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
7619	481984.8	3768064	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
7620	481988.3	3768073	1.73E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
7621	481991.9	3768081	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
7622	481995.4	3768090	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
7623	481998.9	3768099	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
7624	482002.5	3768107	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
7625	482006	3768116	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
7626	482009.5	3768125	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
7627	482013.1	3768134	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
7628	482016.6	3768142	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
7629	482020.1	3768151	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
7630	482023.7	3768160	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
7631	482027.2	3768168	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
7632	482030.7	3768177	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
7633	482034.3	3768186	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
7634	482037.8	3768194	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7635	482041.3	3768203	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
7636	482044.9	3768212	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
7637	482048.4	3768220	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
7638	482051.9	3768229	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
7639	482055.5	3768238	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
7640	482059	3768247	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
7641	482062.5	3768255	2.71E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
7642	482066.1	3768264	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
7643	482069.6	3768273	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
7644	482073.1	3768281	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
7645	482076.7	3768290	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
7646	482080.2	3768299	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
7647	482083.7	3768307	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
7648	482087.3	3768316	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
7649	482090.8	3768325	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
7650	482094.3	3768333	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
7661	481433.7	3767771	3.85E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00
7662	481424.2	3767771	3.80E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00
7663	481414.7	3767771	3.76E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	6.83E-05	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00
7664	481405.2	3767771	3.72E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00
7665	481395.7	3767771	3.68E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00
7666	481386.2	3767771	3.64E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00
7667	481376.6	3767771	3.60E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00
7668	481367.1	3767771	3.57E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00
7669	481357.6	3767771	3.54E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00
7670	481348.1	3767771	3.50E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00
7671	481338.6	3767771	3.47E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00
7674	481572.6	3767760	4.48E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	8.14E-05	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00
7675	481581.3	3767764	4.59E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00
7676	481590	3767767	4.70E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00
7677	481598.8	3767771	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
7678	481607.5	3767775	4.92E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	8.95E-05	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00
7679	481616.2	3767778	5.04E-04	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00
7680	481624.9	3767782	5.16E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00
7681	481633.7	3767786	5.29E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.61E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
7682	481642.4	3767789	5.42E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00
7683	481651.1	3767793	5.55E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00
7684	481659.9	3767797	5.68E-04	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00
7685	481668.6	3767800	5.82E-04	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
7686	481677.3	3767804	5.96E-04	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00
7687	481686	3767808	6.10E-04	0.00E+00	0.00									

7715	481960.2	3767930	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
7716	481970.9	3767956	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
7717	481974.5	3767965	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
7718	481978.1	3767974	1.24E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
7719	481981.6	3767983	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
7720	481985.2	3767991	1.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
7721	481988.8	3768000	1.34E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
7722	481992.3	3768009	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
7723	481995.9	3768018	1.42E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
7724	481999.4	3768027	1.46E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
7725	482003	3768035	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
7726	482006.6	3768044	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
7727	482010.1	3768053	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
7728	482013.7	3768062	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
7729	482017.3	3768070	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
7730	482020.8	3768079	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
7731	482024.4	3768088	1.76E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
7732	482028	3768097	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
7733	482031.5	3768105	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
7734	482035.1	3768114	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
7735	482038.7	3768123	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
7736	482042.2	3768132	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
7737	482045.8	3768141	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
7738	482049.4	3768149	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
7739	482052.9	3768158	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
7740	482056.5	3768167	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
7741	482060.1	3768176	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
7742	482063.6	3768184	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
7743	482067.2	3768193	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
7744	482070.8	3768202	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
7745	482074.3	3768211	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
7746	482077.9	3768219	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
7747	482081.5	3768228	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
7748	482085	3768237	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
7749	482088.6	3768246	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
7750	482092.2	3768255	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
7751	482095.7	3768263	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
7752	482099.3	3768272	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
7753	482102.9	3768281	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
7754	482106.4	3768290	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
7755	482110	3768298	2.63E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
7756	482113.6	3768307	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7757	482117.1	3768316	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
7758	482120.7	3768325	2.63E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
7759	482124.3	3768333	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
7760	482127.8	3768342	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
7771	481433.8	3767741	3.55E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	6.45E-05	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00
7772	481424.3	3767741	3.51E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00
7773	481414.8	3767741	3.48E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00
7774	481405.3	3767741	3.44E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00
7775	481395.8	3767741	3.40E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00
7776	481386.3	3767741	3.37E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00
7777	481376.8	3767741	3.34E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00
7778	481367.3	3767741	3.31E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00
7779	481357.8	3767741	3.28E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00
7780	481348.2	3767741	3.25E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00
7781	481338.7	3767741	3.22E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	5.85E-05	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00

ID	X	Y	UnMitigated			T2			T2L3			T4			UnMitigateT2			T2L3			T4		
			5.77E-02			0.00E+00			0.00E+00			0.00E+00			0.057724			0.0510488			0.005855		
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
176	481320	3768235	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481320	3768235	0.015702	0.015538	0.002853	0.001593			
198	481291.6	3768236	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	481291.6	3768236	0.015484	0.015322	0.002813	0.001571			
199	481300.6	3768233	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481300.6	3768233	0.014996	0.014839	0.002725	0.001521			
200	481309.7	3768229	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481309.7	3768229	0.014577	0.014424	0.002649	0.001479			
201	481318.7	3768225	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	481318.7	3768225	0.014212	0.014063	0.002582	0.001442			
202	481327.7	3768222	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481327.7	3768222	0.013895	0.01375	0.002525	0.001409			
223	481266.1	3768237	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481266.1	3768237	0.015287	0.015127	0.002778	0.001551			
224	481274.9	3768233	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	481274.9	3768233	0.014772	0.014618	0.002684	0.001498			
225	481283.7	3768230	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481283.7	3768230	0.014303	0.014153	0.002599	0.001451			
226	481292.6	3768226	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481292.6	3768226	0.013879	0.013734	0.002522	0.001408			
227	481301.4	3768222	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	481301.4	3768222	0.013504	0.013363	0.002454	0.00137			
228	481310.3	3768219	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481310.3	3768219	0.013178	0.013034	0.002394	0.001337			
229	481319.1	3768215	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481319.1	3768215	0.012892	0.012757	0.002343	0.001308			
230	481328	3768212	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	481328	3768212	0.012642	0.01251	0.002297	0.001282			
250	481241.3	3768237	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	481241.3	3768237	0.015103	0.014945	0.002744	0.001532			
251	481250	3768234	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481250	3768234	0.014585	0.014433	0.00265	0.001479			
252	481258.7	3768230	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	481258.7	3768230	0.014105	0.013958	0.002563	0.001431			
253	481267.4	3768227	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481267.4	3768227	0.013666	0.013523	0.002483	0.001386			
254	481276	3768223	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481276	3768223	0.01326	0.013121	0.002409	0.001345			
255	481284.7	3768219	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481284.7	3768219	0.012889	0.012755	0.002342	0.001307			
256	481293.4	3768216	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481293.4	3768216	0.012556	0.012424	0.002281	0.001274			
257	481302.1	3768212	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481302.1	3768212	0.012259	0.012123	0.002227	0.001243			
258	481310.8	3768209	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481310.8	3768209	0.012001	0.011875	0.002181	0.001217			
259	481319.5	3768205	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481319.5	3768205	0.011772	0.011649	0.002139	0.001194			
260	481328.2	3768202	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481328.2	3768202	0.011573	0.011452	0.002103	0.001174			
281	481234.3	3768230	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	481234.3	3768230	0.013934	0.013789	0.002532	0.001413			
282	481242.8	3768227	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	481242.8	3768227	0.01348	0.013339	0.002449	0.001367			
283	481251.4	3768223	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481251.4	3768223	0.013065	0.012929	0.002374	0.001325			
284	481259.9	3768220	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481259.9	3768220	0.012685	0.012552	0.002305	0.001287			
285	481268.5	3768216	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481268.5	3768216	0.012334	0.012205	0.002241	0.001251			
286	481277	3768213	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481277	3768213	0.012008	0.011882	0.002182	0.001218			
287	481285.6	3768209	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481285.6	3768209	0.011712	0.011589	0.002128	0.001188			
288	481294.1	3768206	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481294.1	3768206	0.011443	0.011324	0.002079	0.001161			
289	481302.7	3768202	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	481302.7	3768202	0.011205	0.011088	0.002036	0.001137			
290	481311.2	3768199	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481311.2	3768199	0.010996	0.010881	0.001998	0.001115			
291	481319.8	3768195	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481319.8	3768195	0.01081	0.010697	0.001964	0.001097			
292	481328.3	3768192	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481328.3	3768192	0.010646	0.010535	0.001934	0.00108			
312	481215	3768236	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	481215	3768236	0.014698	0.014544	0.002671	0.001491			
313	481227.9	3768223	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481227.9	3768223	0.012879	0.012744	0.00234	0.001306			
314	481237	3768219	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481237	3768219	0.012453	0.012322	0.002263	0.001263			
315	481246.1	3768216	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481246.1	3768216	0.012065	0.011939	0.002192	0.001224			
316	481255.1	3768212	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481255.1	3768212	0.011713	0.011591	0.002128	0.001188			
317	481264.2	3768208	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481264.2	3768208	0.01139	0.011271	0.002107	0.001155			
318	481273.3	3768204	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481273.3	3768204	0.011095	0.010979	0.002016				

466	481172.9	3768218	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481172.9	3768218	0.012049	0.011923	0.002189	0.001222
467	481176.7	3768210	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481176.7	3768210	0.011068	0.010952	0.002011	0.001123
468	481180.5	3768201	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	481180.5	3768201	0.010214	0.010107	0.001856	0.001036
469	481193.3	3768188	9.22E-03	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	481193.3	3768188	0.00922	0.009124	0.001675	0.000935
470	481202.2	3768184	8.98E-03	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	481202.2	3768184	0.008985	0.008891	0.001633	0.000911
471	481211.2	3768181	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	481211.2	3768181	0.008765	0.008673	0.001593	0.000889
472	481220.2	3768177	8.55E-03	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	481220.2	3768177	0.008553	0.008464	0.001554	0.000868
473	481229.2	3768173	8.36E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	481229.2	3768173	0.008357	0.008269	0.001518	0.000848
474	481238.2	3768170	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	481238.2	3768170	0.008173	0.008087	0.001485	0.000829
475	481247.2	3768166	8.01E-03	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	481247.2	3768166	0.008006	0.007923	0.001455	0.000812
476	481256.2	3768162	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	481256.2	3768162	0.007853	0.007771	0.001427	0.000797
477	481265.2	3768159	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	481265.2	3768159	0.00771	0.00763	0.001401	0.000782
478	481274.2	3768155	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	481274.2	3768155	0.007577	0.007498	0.001377	0.000769
479	481283.2	3768151	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	481283.2	3768151	0.007452	0.007374	0.001354	0.000756
480	481292.2	3768148	7.34E-03	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	481292.2	3768148	0.007339	0.007262	0.001333	0.000744
481	481301.2	3768144	7.24E-03	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	481301.2	3768144	0.007235	0.00716	0.001315	0.000734
482	481310.1	3768140	7.14E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	481310.1	3768140	0.007142	0.007068	0.001298	0.000725
483	481319.1	3768137	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	481319.1	3768137	0.007059	0.006985	0.001283	0.000716
484	481328.1	3768133	6.99E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	481328.1	3768133	0.006986	0.006913	0.001269	0.000709
500	481154.9	3768238	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481154.9	3768238	0.014595	0.014442	0.002652	0.00148
501	481158.6	3768229	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481158.6	3768229	0.013311	0.013172	0.002419	0.00135
502	481162.4	3768220	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481162.4	3768220	0.012185	0.012058	0.002214	0.001236
503	481166.1	3768211	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	481166.1	3768211	0.0112	0.011083	0.002035	0.001136
504	481169.9	3768202	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481169.9	3768202	0.010339	0.010231	0.001879	0.001049
505	481173.6	3768193	9.58E-03	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	481173.6	3768193	0.009584	0.009484	0.001741	0.000972
506	481186.2	3768181	8.70E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	481186.2	3768181	0.008695	0.008604	0.00158	0.000882
507	481195.1	3768177	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	481195.1	3768177	0.008485	0.008397	0.001542	0.000861
508	481204	3768174	8.29E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	481204	3768174	0.008288	0.008202	0.001506	0.000841
509	481212.9	3768170	8.10E-03	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	481212.9	3768170	0.008101	0.008016	0.001472	0.000822
510	481221.7	3768167	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	481221.7	3768167	0.007923	0.00784	0.00144	0.000804
511	481230.6	3768163	7.76E-03	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	481230.6	3768163	0.007755	0.007674	0.001409	0.000787
512	481239.5	3768159	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	481239.5	3768159	0.0076	0.007521	0.001381	0.000771
513	481248.4	3768156	7.46E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	481248.4	3768156	0.007459	0.007381	0.001355	0.000757
514	481257.3	3768152	7.33E-03	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	481257.3	3768152	0.007327	0.00725	0.001331	0.000743
515	481266.1	3768148	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	481266.1	3768148	0.007205	0.007129	0.001309	0.000731
516	481275	3768145	7.09E-03	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	481275	3768145	0.00709	0.007015	0.001288	0.000719
517	481283.9	3768141	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	481283.9	3768141	0.006982	0.006909	0.001269	0.000708
518	481292.8	3768138	6.88E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	481292.8	3768138	0.006883	0.006811	0.001251	0.000698
519	481301.7	3768134	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	481301.7	3768134	0.006793	0.006722	0.001234	0.000689
520	481310.5	3768130	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	481310.5	3768130	0.006712	0.006642	0.001212	0.000681
521	481319.4	3768127	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	481319.4	3768127	0.00664	0.00657	0.001196	0.000674
522	481328.3	3768123	6.58E-03	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	481328.3	3768123	0.006576	0.006507	0.001195	0.000667
538	481144.5	3768239	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	481144.5	3768239	0.014688	0.014534	0.002669	0.00149
539	481148.2	3768230	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481148.2	3768230	0.01342	0.01328	0.002438	0.001361
540	481151.9	3768221	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481151.9	3768221	0.012301	0.012172	0.002235	0.001248
541	481155.6	3768213	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00							

680	481256.9	3768113	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	481256.9	3768113	0.005755	0.005695	0.001046	0.000584
681	481265.9	3768109	5.67E-03	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	481265.9	3768109	0.005674	0.005614	0.001031	0.000576
682	481274.8	3768106	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	481274.8	3768106	0.005599	0.005541	0.001017	0.000568
683	481283.7	3768102	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	481283.7	3768102	0.005532	0.005474	0.001005	0.000561
684	481292.7	3768098	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	481292.7	3768098	0.005471	0.005414	0.000994	0.000555
685	481301.6	3768095	5.41E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	481301.6	3768095	0.005414	0.005358	0.000984	0.000549
686	481310.5	3768091	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	481310.5	3768091	0.005362	0.005306	0.000974	0.000544
687	481319.5	3768087	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	481319.5	3768087	0.005315	0.005256	0.000966	0.000539
688	481328.4	3768084	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	481328.4	3768084	0.005274	0.005219	0.000958	0.000535
715	481151.7	3768146	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	481151.7	3768146	0.006693	0.006623	0.001216	0.000679
716	481160.5	3768142	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	481160.5	3768142	0.006556	0.006487	0.001191	0.000665
717	481169.3	3768139	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	481169.3	3768139	0.006426	0.006359	0.001168	0.000652
718	481178.2	3768135	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	481178.2	3768135	0.006302	0.006236	0.001145	0.000639
719	481187.1	3768132	6.18E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	481187.1	3768132	0.006184	0.006119	0.001124	0.000627
720	481195.9	3768128	6.07E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	481195.9	3768128	0.006071	0.006008	0.001103	0.000616
721	481204.7	3768124	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	481204.7	3768124	0.005964	0.005902	0.001084	0.000605
722	481213.6	3768121	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	481213.6	3768121	0.005864	0.005803	0.001066	0.000595
723	481222.4	3768117	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	481222.4	3768117	0.005771	0.005711	0.001049	0.000585
724	481231.3	3768114	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	481231.3	3768114	0.005683	0.005623	0.001033	0.000576
725	481240.1	3768110	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	481240.1	3768110	0.005598	0.005538	0.001017	0.000568
726	481248.9	3768106	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	481248.9	3768106	0.005517	0.005459	0.001002	0.00056
727	481257.8	3768103	5.44E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	481257.8	3768103	0.005439	0.005382	0.000988	0.000552
728	481266.6	3768099	5.37E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	481266.6	3768099	0.005368	0.005311	0.000975	0.000544
729	481275.5	3768096	5.30E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	481275.5	3768096	0.005302	0.005247	0.000963	0.000538
730	481284.3	3768092	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	481284.3	3768092	0.005243	0.005188	0.000953	0.000532
731	481293.2	3768088	5.19E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	481293.2	3768088	0.005188	0.005134	0.000943	0.000526
732	481302	3768085	5.14E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	481302	3768085	0.005138	0.005084	0.000934	0.000521
733	481310.8	3768081	5.09E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	481310.8	3768081	0.005091	0.005038	0.000925	0.000516
734	481319.7	3768078	5.05E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	481319.7	3768078	0.00505	0.004997	0.000918	0.000512
735	481328.5	3768074	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	481328.5	3768074	0.005013	0.004961	0.000911	0.000509
762	481120.5	3768179	8.40E-03	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	481120.5	3768179	0.008402	0.008314	0.001527	0.000852
763	481124.3	3768170	8.35E-03	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	481124.3	3768170	0.00835	0.00826	0.00152	0.000847
764	481128.1	3768161	8.30E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	481128.1	3768161	0.0083	0.00821	0.00151	0.000842
765	481131.9	3768152	8.25E-03	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	481131.9	3768152	0.00825	0.00816	0.0015	0.000837
766	481135.7	3768143	8.20E-03	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	481135.7	3768143	0.0082	0.00811	0.00149	0.000832
767	481139.5	3768134	8.15E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	481139.5	3768134	0.00815	0.00806	0.00148	0.000827
768	481143.3	3768125	8.10E-03	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	481143.3	3768125	0.0081	0.00801	0.00147	0.000822
769	481147.1	3768116	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	481147.1	3768116	0.00805	0.00796	0.00146	0.000817
770	481150.9	3768107	8.00E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	481150.9	3768107	0.008	0.00791	0.00145	0.000812
771	481154.7	3768098	7.95E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	481154.7	3768098	0.00795	0.00786	0.00144	0.000807
772	481158.5	3768089	7.90E-03	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	481158.5	3768089	0.0079	0.00781	0.00143	0.000802
773	481162.3	3768080	7.85E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	481162.3	3768080	0.00785	0.00776	0.00142	0.000797
774	481166.1	3768071	7.80E-03	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	481166.1	3768071	0.0078	0.00771	0.00141	0.000792
775	481169.9	3768062	7.75E-03	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	481169.9	3768062	0.00775	0.00766	0.0014	0.000787
776	481173.7	3768053	7.70E-03	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	481173.7	3768053	0.0077	0.00761	0.00139	0.000782
777	481177.5	3768044	7.65E-03	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	481177.5	37				

936	481237.5	3768052	4.15E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	481237.5	3768052	0.004148	0.004104	0.000754	0.000421
937	481246.6	3768048	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	481246.6	3768048	0.0041	0.004057	0.000745	0.000416
938	481255.7	3768044	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	481255.7	3768044	0.004055	0.004013	0.000737	0.000411
939	481264.8	3768040	4.01E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	481264.8	3768040	0.004014	0.003972	0.000729	0.000407
940	481273.9	3768037	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	481273.9	3768037	0.003975	0.003933	0.000722	0.000403
941	481283	3768033	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	481283	3768033	0.003939	0.003898	0.000716	0.000400
942	481292.1	3768029	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	481292.1	3768029	0.003907	0.003866	0.000710	0.000396
943	481301.2	3768026	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	481301.2	3768026	0.003877	0.003836	0.000704	0.000393
944	481310.3	3768022	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	481310.3	3768022	0.00385	0.003809	0.000699	0.000391
945	481319.4	3768018	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	481319.4	3768018	0.003826	0.003786	0.000695	0.000388
946	481328.5	3768015	3.80E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	481328.5	3768015	0.003805	0.003765	0.000691	0.000386
973	481042.5	3768174	7.88E-03	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	481042.5	3768174	0.007881	0.007799	0.001432	0.000799
974	481046.2	3768165	7.40E-03	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	481046.2	3768165	0.0074	0.007323	0.001345	0.000751
975	481050	3768157	6.97E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	481050	3768157	0.006966	0.006893	0.001266	0.000707
976	481053.7	3768148	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	481053.7	3768148	0.006572	0.006503	0.001194	0.000667
977	481057.5	3768139	6.22E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	481057.5	3768139	0.006215	0.00615	0.001129	0.00063
978	481061.2	3768130	5.89E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	481061.2	3768130	0.00589	0.005828	0.00107	0.000597
979	481065	3768121	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	481065	3768121	0.005593	0.005534	0.001016	0.000567
980	481068.7	3768112	5.32E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	481068.7	3768112	0.005322	0.005266	0.000967	0.00054
981	481072.5	3768104	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	481072.5	3768104	0.005072	0.005019	0.000922	0.000515
982	481076.2	3768095	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	481076.2	3768095	0.004843	0.004792	0.00088	0.000491
983	481088.9	3768082	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	481088.9	3768082	0.004561	0.004513	0.000829	0.000463
984	481097.7	3768079	4.49E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	481097.7	3768079	0.00449	0.004443	0.000816	0.000455
985	481106.6	3768075	4.42E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	481106.6	3768075	0.004421	0.004375	0.000803	0.000448
986	481115.5	3768071	4.35E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	481115.5	3768071	0.004354	0.004308	0.000791	0.000442
987	481124.4	3768068	4.29E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	481124.4	3768068	0.004288	0.004243	0.000779	0.000435
988	481151.1	3768057	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	481151.1	3768057	0.004102	0.004059	0.000745	0.000416
989	481160	3768053	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	481160	3768053	0.004045	0.004003	0.000735	0.000411
990	481168.9	3768050	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	481168.9	3768050	0.003991	0.003949	0.000725	0.000405
991	481177.7	3768046	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	481177.7	3768046	0.003938	0.003897	0.000716	0.000399
992	481186.6	3768042	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	481186.6	3768042	0.003886	0.003845	0.000706	0.000394
993	481195.5	3768039	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	481195.5	3768039	0.003835	0.003795	0.000697	0.000389
994	481204.4	3768035	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	481204.4	3768035	0.003787	0.003748	0.000688	0.000384
995	481213.3	3768032	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	481213.3	3768032	0.003742	0.003703	0.00068	0.00038
996	481222.2	3768028	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	481222.2	3768028	0.0037	0.003661	0.000672	0.000375
997	481231.1	3768024	3.66E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	481231.1	3768024	0.00366	0.003621	0.000665	0.000371
998	481240	3768021	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	481240	3768021	0.003621	0.003584	0.000658	0.000367
999	481248.9	3768017	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	481248.9	3768017	0.003586	0.003548	0.000651	0.000364
1000	481257.7	3768013	3.55E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	481257.7	3768013	0.003552	0.003515	0.000645	0.00036
1001	481266.6	3768010	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	481266.6	3768010	0.00352	0.003484	0.00064	0.000357
1002	481275.5	3768006	3.49E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	481275.5	3768006	0.003492	0.003455	0.000634	0.000354
1003	481284.4	3768003	3.46E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	481284.4	3768003	0.003465	0.003429	0.00063	0.000351
1004	481293.3	3767999	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	481293.3	3767999	0.003441	0.003405	0.000625	0.000349
1005	481302.2	3767995	3.42E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	481302.2	3767995	0.003419	0.003383	0.000621	0.000347
1006	481311.1	3767992	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	481311.1	3767992	0.003399	0.003363	0.000618	0.000345
1007	481320	3767988	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E						

1157	480989.7	3768086	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	480989.7	3768086	0.004499	0.004452	0.000817	0.000456
1158	480993.6	3768077	4.31E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	480993.6	3768077	0.004306	0.00426	0.000782	0.000437
1159	481005.2	3768049	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	481005.2	3768049	0.0038	0.00376	0.00069	0.000385
1160	481009	3768040	3.66E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	481009	3768040	0.003655	0.003617	0.000664	0.000371
1161	481012.9	3768031	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	481012.9	3768031	0.003521	0.003484	0.00064	0.000357
1162	481026	3768018	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	481026	3768018	0.003353	0.003318	0.000609	0.00034
1163	481035.1	3768014	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	481035.1	3768014	0.003311	0.003276	0.000602	0.000336
1164	481044.3	3768011	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	481044.3	3768011	0.003269	0.003235	0.000594	0.000332
1165	481053.5	3768007	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	481053.5	3768007	0.003228	0.003194	0.000586	0.000327
1166	481062.7	3768003	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	481062.7	3768003	0.003187	0.003154	0.000579	0.000323
1167	481071.9	3767999	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	481071.9	3767999	0.003147	0.003114	0.000572	0.000319
1168	481081.1	3767996	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	481081.1	3767996	0.003107	0.003075	0.000565	0.000315
1169	481090.2	3767992	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	481090.2	3767992	0.003069	0.003036	0.000558	0.000311
1170	481099.4	3767988	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	481099.4	3767988	0.00303	0.002999	0.000551	0.000307
1171	481108.6	3767984	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	481108.6	3767984	0.002993	0.002962	0.000544	0.000304
1172	481117.8	3767981	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	481117.8	3767981	0.002957	0.002926	0.000537	0.0003
1173	481127	3767977	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	481127	3767977	0.002921	0.002891	0.000531	0.000296
1174	481283	3767913	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	481283	3767913	0.002499	0.002472	0.000454	0.000253
1175	481292.2	3767910	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	481292.2	3767910	0.002486	0.00246	0.000452	0.000252
1176	481301.4	3767906	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	481301.4	3767906	0.002474	0.002448	0.00045	0.000251
1177	481310.6	3767902	2.46E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	481310.6	3767902	0.002464	0.002439	0.000448	0.00025
1178	481319.8	3767898	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	481319.8	3767898	0.002456	0.00243	0.000446	0.000249
1179	481328.9	3767895	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	481328.9	3767895	0.002449	0.002423	0.000445	0.000248
1206	480934.9	3768144	6.12E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	480934.9	3768144	0.006123	0.006059	0.001113	0.000621
1207	480938.7	3768135	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	480938.7	3768135	0.005803	0.005742	0.001054	0.000589
1208	480942.5	3768126	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	480942.5	3768126	0.005509	0.005451	0.001001	0.000559
1209	480946.3	3768117	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	480946.3	3768117	0.005238	0.005183	0.000952	0.000531
1210	480950.1	3768108	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	480950.1	3768108	0.004989	0.004937	0.000906	0.000506
1211	480953.9	3768099	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	480953.9	3768099	0.004759	0.00471	0.000865	0.000483
1212	480957.7	3768090	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	480957.7	3768090	0.004548	0.0045	0.000826	0.000461
1213	480972.9	3768054	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	480972.9	3768054	0.003848	0.003807	0.000699	0.00039
1214	480976.7	3768045	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	480976.7	3768045	0.003702	0.003663	0.000673	0.000376
1215	480980.5	3768036	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	480980.5	3768036	0.003566	0.003528	0.000648	0.000362
1216	480984.3	3768027	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	480984.3	3768027	0.003438	0.003402	0.000625	0.000349
1217	480988.1	3768018	3.32E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	480988.1	3768018	0.003318	0.003283	0.000603	0.000337
1218	480991.9	3768009	3.21E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	480991.9	3768009	0.003206	0.003173	0.000583	0.000325
1219	481004.7	3767997	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	481004.7	3767997	0.003066	0.003034	0.000557	0.000311
1220	481013.8	3767993	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	481013.8	3767993	0.003031	0.002999	0.000551	0.000307
1221	481022.8	3767989	3.00E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	481022.8	3767989	0.002996	0.002965	0.000544	0.000304
1222	481031.8	3767986	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	481031.8	3767986	0.002961	0.00293	0.000538	0.0003
1223	481040.8	3767982	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	481040.8	3767982	0.002927	0.002896	0.000532	0.000297
1224	481049.8	3767978	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	481049.8	3767978	0.002893	0.002863	0.000526	0.000293
1225	481058.8	3767975	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	481058.8	3767975	0.00286	0.00283	0.00052	0.00029
1226	481067.8	3767971	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	481067.8	3767971	0.002827	0.002798	0.000514	0.000287
1227	481076.8	3767967	2.79E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	481076.8	3767967	0.002795	0.002766	0.000508	0.000284
1228	481085.9	3767964	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00									

1370	480962.8	3767954	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	480962.8	3767954	0.0026	0.002573	0.000472	0.000264
1371	480971.9	3767950	2.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	480971.9	3767950	0.002574	0.002547	0.000468	0.000261
1372	481026.9	3767928	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	481026.9	3767928	0.002413	0.002388	0.000438	0.000245
1373	481036.1	3767924	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	481036.1	3767924	0.002388	0.002363	0.000434	0.000242
1374	481045.2	3767920	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	481045.2	3767920	0.002363	0.002338	0.000429	0.00024
1375	481054.4	3767917	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	481054.4	3767917	0.002338	0.002314	0.000425	0.000237
1376	481063.6	3767913	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	481063.6	3767913	0.002313	0.002289	0.00042	0.000235
1377	481072.7	3767909	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	481072.7	3767909	0.002289	0.002265	0.000416	0.000232
1378	481081.9	3767905	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	481081.9	3767905	0.002264	0.00224	0.000411	0.000229
1379	481091.1	3767902	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	481091.1	3767902	0.00224	0.002217	0.000407	0.000227
1380	481100.2	3767898	2.22E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	481100.2	3767898	0.002217	0.002194	0.000403	0.000225
1381	481109.4	3767894	2.20E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	481109.4	3767894	0.002195	0.002172	0.000399	0.000223
1382	481118.6	3767890	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	481118.6	3767890	0.002173	0.002151	0.000395	0.000222
1383	481127.7	3767887	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	481127.7	3767887	0.002151	0.002129	0.000391	0.000221
1384	481155.2	3767876	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481155.2	3767876	0.00209	0.002068	0.00038	0.000218
1385	481164.4	3767872	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	481164.4	3767872	0.002072	0.00205	0.000376	0.00021
1386	481173.5	3767868	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	481173.5	3767868	0.002054	0.002033	0.000373	0.000208
1387	481182.7	3767864	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	481182.7	3767864	0.002037	0.002016	0.00037	0.000207
1388	481191.9	3767861	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	481191.9	3767861	0.002021	0.002	0.000367	0.000205
1389	481201	3767857	2.01E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	481201	3767857	0.002006	0.001985	0.000364	0.000203
1390	481210.2	3767853	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	481210.2	3767853	0.001991	0.00197	0.000362	0.000202
1391	481219.4	3767849	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	481219.4	3767849	0.001978	0.001957	0.000359	0.000201
1392	481228.5	3767846	1.97E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	481228.5	3767846	0.001965	0.001945	0.000357	0.000199
1393	481237.7	3767842	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	481237.7	3767842	0.001953	0.001933	0.000355	0.000198
1394	481246.8	3767838	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	481246.8	3767838	0.001942	0.001922	0.000353	0.000197
1395	481256	3767834	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	481256	3767834	0.001932	0.001912	0.000351	0.000196
1396	481265.2	3767831	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481265.2	3767831	0.001923	0.001903	0.000349	0.000195
1397	481274.3	3767827	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	481274.3	3767827	0.001915	0.001895	0.000348	0.000194
1398	481283.5	3767823	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481283.5	3767823	0.001907	0.001887	0.000347	0.000193
1399	481292.7	3767819	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481292.7	3767819	0.001901	0.001881	0.000345	0.000193
1400	481301.8	3767816	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	481301.8	3767816	0.001895	0.001875	0.000344	0.000192
1401	481311	3767812	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	481311	3767812	0.001889	0.00187	0.000343	0.000192
1402	481320.2	3767808	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481320.2	3767808	0.001885	0.001865	0.000342	0.000191
1403	481329.3	3767805	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481329.3	3767805	0.001881	0.001861	0.000342	0.000191
1435	480867.8	3768089	4.37E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	480867.8	3768089	0.004375	0.004329	0.000795	0.000444
1436	480871.6	3768080	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	480871.6	3768080	0.00419	0.004146	0.000761	0.000425
1437	480875.4	3768071	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	480875.4	3768071	0.004019	0.003977	0.00073	0.000408
1438	480879.3	3768062	3.86E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	480879.3	3768062	0.003859	0.003819	0.000701	0.000391
1439	480883.1	3768053	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	480883.1	3768053	0.003711	0.003672	0.000674	0.000376
1440	480886.9	3768044	3.57E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	480886.9	3768044	0.003573	0.003536	0.000649	0.000362
1441	480890.7	3768035	3.44E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	480890.7	3768035	0.003445	0.003409	0.000626	0.000349
1442	480894.5	3768026	3.32E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	480894.5	3768026	0.003324	0.003289	0.000604	0.000337
1443	480898.3	3768017	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	480898.3	3768017	0.003211	0.003177	0.000583	0.000326
1444	480902.1	3768008	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	480902.1	3768008	0.003105	0.003072	0.000564	0.000315
1445	480905.9	3767999	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	480905.9	3767999	0.003004	0.002973	0.000546	0.000305
1446	480909.7	3767990	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+										

1550	481047.8	3767859	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	481047.8	3767859	0.001958	0.001938	0.000356	0.000199
1551	481056.9	3767856	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	481056.9	3767856	0.001939	0.001919	0.000352	0.000197
1552	481066	3767852	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481066	3767852	0.001921	0.001901	0.000349	0.000195
1553	481075.1	3767848	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481075.1	3767848	0.001902	0.001882	0.000346	0.000193
1554	481084.2	3767845	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481084.2	3767845	0.001884	0.001864	0.000342	0.000191
1555	481093.3	3767841	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	481093.3	3767841	0.001866	0.001847	0.000339	0.000189
1556	481102.4	3767837	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	481102.4	3767837	0.001849	0.00183	0.000336	0.000188
1557	481111.5	3767833	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	481111.5	3767833	0.001833	0.001814	0.000333	0.000186
1558	481120.6	3767830	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	481120.6	3767830	0.001817	0.001798	0.00033	0.000184
1559	481156.9	3767815	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	481156.9	3767815	0.001758	0.00174	0.000319	0.000178
1560	481166	3767811	1.74E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	481166	3767811	0.001745	0.001727	0.000317	0.000177
1561	481175.1	3767808	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	481175.1	3767808	0.001732	0.001714	0.000315	0.000176
1562	481184.2	3767804	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	481184.2	3767804	0.00172	0.001702	0.000313	0.000174
1563	481193.3	3767800	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	481193.3	3767800	0.001709	0.001691	0.000311	0.000173
1564	481202.4	3767796	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	481202.4	3767796	0.001698	0.00168	0.000309	0.000172
1565	481211.5	3767793	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	481211.5	3767793	0.001688	0.001671	0.000307	0.000171
1566	481220.6	3767789	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	481220.6	3767789	0.001679	0.001661	0.000305	0.00017
1567	481229.7	3767785	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	481229.7	3767785	0.00167	0.001653	0.000303	0.000169
1568	481238.7	3767782	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	481238.7	3767782	0.001662	0.001645	0.000302	0.000168
1569	481247.8	3767778	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	481247.8	3767778	0.001655	0.001637	0.000301	0.000167
1570	481256.9	3767774	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	481256.9	3767774	0.001648	0.001631	0.000299	0.000166
1571	481266	3767770	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	481266	3767770	0.001642	0.001624	0.000298	0.000165
1572	481275.1	3767767	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	481275.1	3767767	0.001636	0.001619	0.000297	0.000164
1573	481284.2	3767763	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	481284.2	3767763	0.001631	0.001614	0.000296	0.000163
1574	481293.3	3767759	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	481293.3	3767759	0.001627	0.00161	0.000296	0.000162
1575	481302.4	3767756	1.62E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	481302.4	3767756	0.001623	0.001606	0.000295	0.000161
1576	481311.5	3767752	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	481311.5	3767752	0.001619	0.001602	0.000294	0.00016
1577	481320.6	3767748	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	481320.6	3767748	0.001616	0.001599	0.000294	0.000164
1578	481329.6	3767745	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	481329.6	3767745	0.001613	0.001597	0.000293	0.000164
1579	481335.5	3768229	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	481335.5	3768229	0.015144	0.014986	0.002752	0.001536
1594	481210.7	3768219	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481210.7	3768219	0.01226	0.012132	0.002228	0.001244
1595	481191.5	3768199	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481191.5	3768199	0.010119	0.010013	0.001839	0.001026
1596	481181.9	3768189	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	481181.9	3768189	0.009271	0.009174	0.001685	0.000904
1597	481162.7	3768170	7.91E-03	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	481162.7	3768170	0.007905	0.007822	0.001436	0.000802
1598	481143.6	3768110	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	481143.6	3768110	0.005363	0.005307	0.000975	0.000544
1599	481210.8	3768080	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	481210.8	3768080	0.004698	0.004649	0.000854	0.000477
1600	481201.2	3768080	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	481201.2	3768080	0.004677	0.004628	0.00085	0.000474
1601	481191.6	3768080	4.66E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	481191.6	3768080	0.004657	0.004608	0.000846	0.000472
1602	481287.6	3768050	4.27E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	481287.6	3768050	0.004273	0.004229	0.000776	0.000433
1603	481278	3768050	4.24E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	481278	3768050	0.004238	0.004194	0.00077	0.00043
1604	481268.4	3768050	4.21E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	481268.4	3768050	0.004205	0.004161	0.000764	0.000427
1605	481220.4	3768050	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	481220.4	3768050	0.004081	0.004038	0.000741	0.000414
1606	481210.8	3768050	4.06E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	481210.8	3768050	0.004061	0.004019	0.000738	0.000412
1607	481201.3	3768050	4.05E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	481201.3	3768050	0.004045	0.004003	0.000735	0.00041
1608	481191.7	3768050	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	481191.7	3768050	0.004031	0.003988	0.000732	0.000409
1609	481335.7	3768020	3.93E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+										

1846	481078.3	3768017	3.38E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	481078.3	3768017	0.003379	0.003344	0.000614	0.000343
1847	481092.8	3768011	3.31E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	481092.8	3768011	0.003309	0.003275	0.000601	0.000336
1848	481107.4	3768005	3.24E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	481107.4	3768005	0.003241	0.003207	0.000589	0.000329
1849	481121.9	3767999	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	481121.9	3767999	0.003176	0.003142	0.000577	0.000322
1863	480809.9	3768097	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	480809.9	3768097	0.004446	0.0044	0.000808	0.000451
1864	480824.4	3768091	4.34E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	480824.4	3768091	0.00434	0.004295	0.000789	0.00044
1865	480853.4	3768079	4.14E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	480853.4	3768079	0.004143	0.0041	0.000753	0.00042
1866	480889.7	3768064	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	480889.7	3768064	0.003912	0.003871	0.000711	0.000397
1867	480926	3768049	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	480926	3768049	0.003707	0.003669	0.000674	0.000376
1868	480962.3	3768034	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	480962.3	3768034	0.003517	0.00348	0.000639	0.000357
1869	480998.6	3768019	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	480998.6	3768019	0.003342	0.003307	0.000607	0.000339
1870	481013.1	3768013	3.28E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	481013.1	3768013	0.003279	0.003245	0.000596	0.000333
1871	481027.6	3768008	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	481027.6	3768008	0.003217	0.003183	0.000584	0.000326
1872	481042.1	3768002	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	481042.1	3768002	0.003154	0.003121	0.000573	0.00032
1873	481056.7	3767996	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	481056.7	3767996	0.003092	0.003059	0.000562	0.000314
1874	481071.2	3767990	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	481071.2	3767990	0.003031	0.003	0.000551	0.000308
1875	481085.7	3767984	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	481085.7	3767984	0.002973	0.002942	0.00054	0.000302
1876	481100.2	3767978	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	481100.2	3767978	0.002916	0.002886	0.00053	0.000296
1877	481114.7	3767972	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	481114.7	3767972	0.002861	0.002831	0.00052	0.00029
1878	481129.2	3767966	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	481129.2	3767966	0.002807	0.002778	0.00051	0.000285
1893	480772.4	3768100	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	480772.4	3768100	0.004447	0.0044	0.000808	0.000451
1894	480778.5	3768086	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	480778.5	3768086	0.00415	0.004107	0.000754	0.000421
1895	480788.8	3768075	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	480788.8	3768075	0.00397	0.003929	0.000721	0.000403
1896	480803.3	3768069	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	480803.3	3768069	0.003883	0.003842	0.000706	0.000394
1897	480817.8	3768064	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	480817.8	3768064	0.0038	0.00376	0.00069	0.000385
1898	480832.3	3768058	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	480832.3	3768058	0.00372	0.003682	0.000676	0.000377
1899	480868.5	3768043	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	480868.5	3768043	0.003531	0.003494	0.000642	0.000358
1900	480904.7	3768028	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	480904.7	3768028	0.003363	0.003328	0.000611	0.000351
1901	480940.9	3768013	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	480940.9	3768013	0.003205	0.003171	0.000582	0.000325
1902	480977.2	3767998	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	480977.2	3767998	0.003058	0.003026	0.000556	0.00031
1903	480991.7	3767992	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	480991.7	3767992	0.003004	0.002972	0.000546	0.000305
1904	481006.1	3767986	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	481006.1	3767986	0.00295	0.00292	0.000536	0.000299
1905	481020.6	3767980	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	481020.6	3767980	0.002896	0.002866	0.000526	0.000294
1906	481035.1	3767974	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	481035.1	3767974	0.002843	0.002813	0.000517	0.000288
1907	481049.6	3767969	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	481049.6	3767969	0.002792	0.002762	0.000507	0.000283
1908	481064.1	3767963	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	481064.1	3767963	0.002742	0.002713	0.000498	0.000278
1909	481078.6	3767957	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	481078.6	3767957	0.002692	0.002664	0.000489	0.000273
1910	481093.1	3767951	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	481093.1	3767951	0.002642	0.002615	0.00048	0.000268
1928	480723.8	3768143	5.46E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	480723.8	3768143	0.005463	0.005406	0.000993	0.000554
1929	480754.4	3768071	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	480754.4	3768071	0.003838	0.003798	0.000697	0.000389
1930	480767.7	3768054	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	480767.7	3768054	0.003568	0.003531	0.000648	0.000362
1931	480782.2	3768048	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	480782.2	3768048	0.003498	0.003462	0.000636	0.000355
1932	480796.7	3768042	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	480796.7	3768042	0.003431	0.003395	0.000623	0.000348
1933	480811.1	3768036	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	480811.1	3768036	0.003366	0.003331	0.000612	0.000341
1934	480825.6	3768030	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	480825.6	3768030	0.003303	0.003268	0.0006	0.000335
1935	480840.1	3768024	3.24E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00										

3120	481065.9	3768992	7.12E-03	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	481065.9	3768992	0.007125	0.00705	0.001295	0.000723
3194	481038.9	3769015	6.75E-03	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	481038.9	3769015	0.006746	0.006676	0.001226	0.000684
3195	481048	3769018	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	481048	3769018	0.006492	0.006424	0.001118	0.000659
3196	481057.1	3769020	6.25E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	481057.1	3769020	0.006249	0.006184	0.001136	0.000634
3274	481039.3	3769046	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	481039.3	3769046	0.00573	0.005671	0.001041	0.000581
3275	481048.4	3769049	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	481048.4	3769049	0.005529	0.005471	0.001005	0.000561
3418	481086.8	3768967	7.72E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	481086.8	3768967	0.007723	0.007642	0.001403	0.000783
3419	481100.2	3768971	7.26E-03	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	481100.2	3768971	0.00726	0.007184	0.001319	0.000736
3420	481077.8	3768996	6.75E-03	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	481077.8	3768996	0.006747	0.006677	0.001226	0.000684
3421	481091.5	3769000	6.36E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	481091.5	3769000	0.006357	0.006291	0.001155	0.000645
3422	481068.7	3769024	5.95E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	481068.7	3769024	0.005946	0.005884	0.001018	0.000603
3423	481082.7	3769029	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	481082.7	3769029	0.005617	0.005558	0.001021	0.00057
3424	481059.7	3769053	5.28E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	481059.7	3769053	0.005284	0.005228	0.00096	0.000536
3425	481074	3769057	5.00E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	481074	3769057	0.005003	0.00495	0.000909	0.000507
3486	481113.5	3768975	6.84E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	481113.5	3768975	0.006838	0.006767	0.001243	0.000694
3487	481105.1	3769004	6.00E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	481105.1	3769004	0.006002	0.00594	0.001091	0.000609
3488	481118.8	3769008	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	481118.8	3769008	0.005681	0.005621	0.001032	0.000576
3489	481096.7	3769033	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	481096.7	3769033	0.005317	0.005261	0.000966	0.000539
3490	481110.7	3769037	5.05E-03	0.00E+00	0.00E+00	4.99E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	481110.7	3769037	0.005054	0.004993	0.000917	0.000512
6012	481517.3	3768238	3.00E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	481517.3	3768238	0.029955	0.029895	0.005443	0.003039
6013	481507.8	3768238	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	481507.8	3768238	0.029265	0.028959	0.005317	0.002969
6014	481498.3	3768238	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	481498.3	3768238	0.028572	0.028273	0.005191	0.002898
6015	481488.8	3768238	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	481488.8	3768238	0.027835	0.027544	0.005058	0.002824
6016	481479.3	3768238	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	481479.3	3768238	0.027067	0.026784	0.004918	0.002746
6017	481469.8	3768238	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	481469.8	3768238	0.026202	0.025928	0.004761	0.002658
6018	481460.3	3768238	2.53E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	481460.3	3768238	0.025319	0.025054	0.0046	0.002568
6019	481450.8	3768238	2.44E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	481450.8	3768238	0.024432	0.024177	0.004439	0.002478
6020	481441.3	3768238	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	481441.3	3768238	0.023551	0.023305	0.004279	0.002389
6021	481431.8	3768238	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	481431.8	3768238	0.022686	0.022449	0.004122	0.002301
6022	481422.3	3768238	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	481422.3	3768238	0.021847	0.021619	0.00397	0.002216
6023	481412.7	3768238	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481412.7	3768238	0.021047	0.020827	0.003824	0.002135
6024	481403.2	3768238	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	481403.2	3768238	0.020294	0.020082	0.003687	0.002059
6025	481393.7	3768238	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	481393.7	3768238	0.019595	0.01939	0.00356	0.001988
6026	481384.2	3768238	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481384.2	3768238	0.018953	0.018755	0.003444	0.001923
6027	481374.7	3768238	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	481374.7	3768238	0.018372	0.01818	0.003338	0.001864
6028	481365.2	3768238	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	481365.2	3768238	0.017855	0.017668	0.003244	0.001811
6029	481355.7	3768238	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	481355.7	3768238	0.017405	0.017223	0.003162	0.001766
6030	481346.2	3768238	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	481346.2	3768238	0.017024	0.016846	0.003093	0.001727
6037	481602	3768260	4.00E-02	0.00E+00	0.00E+00	3.96E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	481602	3768260	0.039968	0.03955	0.007262	0.004054
6038	481613.8	3768272	4.40E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	481613.8	3768272	0.043991	0.043531	0.007993	0.004462
6042	481517.4	3768228	2.67E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	481517.4	3768228	0.026739	0.02646	0.004858	0.002712
6043	481507.9	3768228	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	481507.9	3768228	0.026095	0.025822	0.004741	0.002647
6044	481498.4	3768228	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	481498.4	3768228	0.025452	0.025186	0.004625	0.002582
6045	481488.9	3768228	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	481488.9	3768228	0.024776	0.024517	0.004502	0.002513
6046	481479.4	3768228	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	481479.4	3768228	0.024078	0.023826	0.004375	0.002442
6047	481469.8	3768228	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.23E-03	0.0										

6140	481479.5	3768199	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	481479.5	3768199	0.017582	0.017398	0.003195	0.001784
6141	481470	3768199	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	481470	3768199	0.017028	0.01685	0.003094	0.001727
6142	481460.5	3768199	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481460.5	3768199	0.016478	0.016306	0.002994	0.001672
6143	481450.9	3768199	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481450.9	3768199	0.01594	0.015773	0.002896	0.001617
6144	481441.4	3768199	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	481441.4	3768199	0.015416	0.015255	0.002801	0.001564
6145	481431.9	3768199	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481431.9	3768199	0.01491	0.014754	0.002709	0.001512
6146	481422.4	3768199	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	481422.4	3768199	0.014424	0.014273	0.002621	0.001463
6147	481412.9	3768199	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	481412.9	3768199	0.013966	0.01382	0.002538	0.001417
6148	481403.4	3768198	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	481403.4	3768198	0.013536	0.013395	0.00246	0.001373
6149	481393.9	3768198	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481393.9	3768198	0.013138	0.013001	0.002387	0.001333
6150	481384.4	3768198	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481384.4	3768198	0.01277	0.012636	0.00232	0.001295
6151	481374.9	3768198	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481374.9	3768198	0.012432	0.012302	0.002259	0.001261
6152	481365.4	3768198	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	481365.4	3768198	0.012125	0.011998	0.002203	0.001223
6153	481355.9	3768198	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	481355.9	3768198	0.011851	0.011727	0.002153	0.001202
6154	481346.3	3768198	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481346.3	3768198	0.01161	0.011489	0.00211	0.001178
6155	481336.8	3768198	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	481336.8	3768198	0.011396	0.011277	0.002071	0.001156
6162	481604.1	3768222	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	481604.1	3768222	0.027512	0.027225	0.004999	0.002791
6163	481612.7	3768225	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	481612.7	3768225	0.028392	0.028095	0.005159	0.00288
6164	481621.2	3768229	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	481621.2	3768229	0.029198	0.028892	0.005305	0.002962
6165	481629.8	3768232	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	481629.8	3768232	0.029923	0.029621	0.005437	0.003035
6166	481641.9	3768245	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	481641.9	3768245	0.032732	0.03239	0.005947	0.00332
6167	481645.4	3768253	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	481645.4	3768253	0.034941	0.034576	0.006349	0.003544
6168	481648.8	3768262	3.72E-02	0.00E+00	0.00E+00	3.68E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	481648.8	3768262	0.037211	0.036822	0.006761	0.003775
6169	481652.3	3768270	3.95E-02	0.00E+00	0.00E+00	3.91E-02	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	481652.3	3768270	0.03951	0.039097	0.007179	0.004008
6170	481655.8	3768279	4.18E-02	0.00E+00	0.00E+00	4.14E-02	0.00E+00	0.00E+00	7.60E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	481655.8	3768279	0.041809	0.041372	0.007597	0.004241
6171	481659.3	3768288	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	481659.3	3768288	0.044076	0.043615	0.008009	0.004471
6172	481662.8	3768296	4.63E-02	0.00E+00	0.00E+00	4.58E-02	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	481662.8	3768296	0.046252	0.045768	0.008404	0.004692
6173	481666.3	3768305	4.83E-02	0.00E+00	0.00E+00	4.78E-02	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	481666.3	3768305	0.048315	0.04781	0.008779	0.004901
6174	481669.8	3768313	5.02E-02	0.00E+00	0.00E+00	4.97E-02	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	481669.8	3768313	0.050217	0.049692	0.009124	0.005094
6175	481673.3	3768322	5.19E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	481673.3	3768322	0.051927	0.051384	0.009435	0.005267
6176	481517.5	3768189	1.78E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	481517.5	3768189	0.017846	0.017659	0.003243	0.00181
6177	481508	3768189	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	481508	3768189	0.017381	0.0172	0.003158	0.001763
6178	481498.5	3768189	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	481498.5	3768189	0.016927	0.01675	0.003076	0.001717
6179	481489	3768189	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481489	3768189	0.016465	0.016293	0.002992	0.001667
6180	481479.5	3768189	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481479.5	3768189	0.016	0.015833	0.002907	0.001623
6181	481470	3768189	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	481470	3768189	0.015503	0.015341	0.002817	0.001573
6182	481460.5	3768189	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481460.5	3768189	0.015012	0.014855	0.002728	0.001523
6183	481451	3768189	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	481451	3768189	0.014532	0.01438	0.00264	0.001474
6184	481441.5	3768189	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	481441.5	3768189	0.014068	0.013921	0.002556	0.001427
6185	481432	3768189	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481432	3768189	0.013619	0.013476	0.002475	0.001381
6186	481422.5	3768189	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481422.5	3768189	0.013119	0.013052	0.002397	0.001338
6187	481413	3768189	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481413	3768189	0.012785	0.012652	0.002323	0.001297
6188	481403.4	3768189	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481403.4	3768189	0.012407	0.012277	0.002254	0.001258
6189	481393.9	3768189	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481393.9	3768189	0.012055	0.011929	0.00219	0.001223
6190	481384.4	3768189	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481384.4	3768189	0.011729	0.011606	0.002131	0.00119
6191	481374.9	3768189	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.1								

6283	481662.7	3768223	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	481662.7	3768223	0.026954	0.026672	0.004897	0.002734
6284	481669.5	3768240	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	481669.5	3768240	0.030224	0.029908	0.005492	0.003066
6285	481676.2	3768257	3.36E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	481676.2	3768257	0.033614	0.033263	0.006108	0.003341
6286	481683	3768273	3.70E-02	0.00E+00	0.00E+00	3.66E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	481683	3768273	0.0370	0.036613	0.006723	0.003753
6287	481689.7	3768290	4.02E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	481689.7	3768290	0.04022	0.039799	0.007308	0.004008
6288	481693.1	3768298	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	481693.1	3768298	0.041723	0.041287	0.007581	0.004232
6289	481699.8	3768315	4.44E-02	0.00E+00	0.00E+00	4.39E-02	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	481699.8	3768315	0.044378	0.043914	0.008063	0.004502
6290	481517.7	3768160	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	481517.7	3768160	0.013763	0.013619	0.002501	0.001396
6291	481508.2	3768160	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481508.2	3768160	0.013405	0.013265	0.002436	0.001336
6292	481498.7	3768160	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	481498.7	3768160	0.013059	0.012922	0.002373	0.001325
6293	481489.1	3768159	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481489.1	3768159	0.012711	0.012578	0.00231	0.001289
6294	481479.6	3768159	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481479.6	3768159	0.012365	0.012236	0.002247	0.001254
6295	481470.1	3768159	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481470.1	3768159	0.012003	0.011877	0.002181	0.001218
6296	481460.6	3768159	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481460.6	3768159	0.011648	0.011526	0.002116	0.001182
6297	481451.1	3768159	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481451.1	3768159	0.011302	0.011184	0.002054	0.001147
6298	481441.6	3768159	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	481441.6	3768159	0.010971	0.010856	0.001993	0.001113
6299	481432.1	3768159	1.07E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	481432.1	3768159	0.010652	0.01054	0.001935	0.001081
6300	481422.6	3768159	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481422.6	3768159	0.010347	0.010239	0.00188	0.001051
6301	481413.1	3768159	1.01E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481413.1	3768159	0.01006	0.009955	0.001828	0.001012
6302	481403.6	3768159	9.79E-03	0.00E+00	0.00E+00	9.69E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	481403.6	3768159	0.009791	0.009689	0.001779	0.000993
6303	481394.1	3768159	9.54E-03	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	481394.1	3768159	0.009541	0.009441	0.001734	0.000968
6304	481384.5	3768159	9.31E-03	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	481384.5	3768159	0.009309	0.009212	0.001691	0.000944
6305	481375	3768159	9.09E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	481375	3768159	0.009094	0.008999	0.001652	0.000922
6306	481365.5	3768159	8.90E-03	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	481365.5	3768159	0.008898	0.008805	0.001617	0.000903
6307	481356	3768159	8.72E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	481356	3768159	0.008718	0.008627	0.001584	0.000884
6308	481346.5	3768159	8.55E-03	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	481346.5	3768159	0.008555	0.008465	0.001554	0.000868
6309	481337	3768159	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	481337	3768159	0.008407	0.008319	0.001528	0.000853
6310	481553.3	3768161	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	481553.3	3768161	0.015124	0.014965	0.002748	0.001534
6311	481562	3768164	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	481562	3768164	0.015851	0.015685	0.00288	0.001608
6312	481570.7	3768168	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	481570.7	3768168	0.016588	0.016415	0.003014	0.001683
6313	481579.4	3768172	1.73E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	481579.4	3768172	0.017331	0.017175	0.003149	0.001758
6314	481588.1	3768175	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481588.1	3768175	0.018075	0.017886	0.003284	0.001833
6315	481596.8	3768179	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	481596.8	3768179	0.018815	0.018618	0.003419	0.001909
6316	481614.2	3768186	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	481614.2	3768186	0.020284	0.020072	0.003686	0.002058
6317	481622.9	3768190	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481622.9	3768190	0.020991	0.020771	0.003814	0.002129
6318	481631.6	3768194	2.17E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	481631.6	3768194	0.021665	0.021438	0.003936	0.002198
6319	481640.3	3768197	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	481640.3	3768197	0.022289	0.022056	0.00405	0.002261
6320	481649	3768201	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	481649	3768201	0.022875	0.022636	0.004156	0.00232
6321	481657.6	3768205	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	481657.6	3768205	0.023423	0.023178	0.004256	0.002376
6322	481669.9	3768217	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	481669.9	3768217	0.025452	0.025186	0.004625	0.002582
6323	481673.4	3768226	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	481673.4	3768226	0.027027	0.026744	0.004911	0.002742
6324	481677	3768234	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	481677	3768234	0.02863	0.028331	0.005202	0.002904
6325	481680.6	3768243	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	481680.6	3768243	0.030267	0.02995	0.005499	0.00307
6326	481684.1	3768252	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	481684.1	3768252	0.031922	0.031588	0.0058	0.003238
6327	481687.7	3768261	3.36E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	481687.7	3768261	0.033576	0.033225	0.006101	0.003406
6328	481691.2	3768269	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+									

6406	481578.3	3768152	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	481578.3	3768152	0.014699	0.014546	0.002671	0.001491
6407	481586.8	3768155	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481586.8	3768155	0.015317	0.015157	0.002783	0.001554
6408	481595.3	3768159	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481595.3	3768159	0.015936	0.015769	0.002896	0.001616
6409	481603.8	3768162	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	481603.8	3768162	0.016566	0.016387	0.003009	0.001668
6410	481612.3	3768166	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	481612.3	3768166	0.017187	0.017007	0.003123	0.001743
6411	481620.8	3768169	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	481620.8	3768169	0.017803	0.017617	0.003235	0.001806
6412	481629.3	3768173	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	481629.3	3768173	0.018405	0.018213	0.003344	0.001867
6413	481637.8	3768177	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481637.8	3768177	0.018974	0.018775	0.003447	0.001925
6414	481646.3	3768180	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	481646.3	3768180	0.019516	0.019312	0.003546	0.001988
6415	481654.8	3768184	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	481654.8	3768184	0.020034	0.019825	0.003644	0.002032
6416	481663.3	3768187	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	481663.3	3768187	0.020526	0.020311	0.003743	0.002082
6417	481671.8	3768191	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481671.8	3768191	0.020994	0.020775	0.003845	0.002131
6418	481683.8	3768203	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	481683.8	3768203	0.022683	0.022446	0.004122	0.002301
6419	481687.3	3768211	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	481687.3	3768211	0.023982	0.023731	0.004358	0.002433
6420	481690.8	3768220	2.53E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	481690.8	3768220	0.025319	0.025054	0.004600	0.002568
6421	481694.2	3768229	2.67E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	481694.2	3768229	0.026689	0.026441	0.004849	0.002707
6422	481697.7	3768237	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	481697.7	3768237	0.028080	0.027786	0.005102	0.002848
6423	481701.2	3768246	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	481701.2	3768246	0.029248	0.028947	0.005357	0.002999
6424	481704.6	3768254	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	481704.6	3768254	0.030808	0.030557	0.005611	0.003132
6425	481708.1	3768263	3.23E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	481708.1	3768263	0.032259	0.031922	0.005861	0.003272
6426	481711.6	3768271	3.36E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	481711.6	3768271	0.033605	0.033253	0.006106	0.003409
6427	481715.1	3768280	3.49E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	481715.1	3768280	0.034900	0.034535	0.006341	0.003544
6428	481718.5	3768288	3.61E-02	0.00E+00	0.00E+00	3.57E-02	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	481718.5	3768288	0.036127	0.035749	0.006564	0.003665
6429	481722	3768297	3.73E-02	0.00E+00	0.00E+00	3.69E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	481722	3768297	0.037262	0.036872	0.006777	0.003784
6430	481725.5	3768305	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	481725.5	3768305	0.038289	0.037888	0.006957	0.003884
6431	481729	3768314	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	481729	3768314	0.039199	0.038789	0.007122	0.003976
6432	481732.4	3768323	4.00E-02	0.00E+00	0.00E+00	3.96E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	481732.4	3768323	0.039975	0.039557	0.007263	0.004055
6433	481735.8	3768330	4.09E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	481735.8	3768330	0.040817	0.040387	0.007399	0.004139
6434	481739.3	3768338	4.17E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	481739.3	3768338	0.041665	0.041225	0.007533	0.004223
6435	481742.8	3768346	4.25E-02	0.00E+00	0.00E+00	4.24E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	481742.8	3768346	0.042519	0.042077	0.007677	0.004307
6436	481746.3	3768354	4.33E-02	0.00E+00	0.00E+00	4.32E-02	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	481746.3	3768354	0.043377	0.042925	0.007821	0.004391
6437	481749.8	3768362	4.41E-02	0.00E+00	0.00E+00	4.40E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	481749.8	3768362	0.044239	0.043787	0.007965	0.004475
6438	481753.3	3768370	4.49E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	481753.3	3768370	0.045105	0.044653	0.008109	0.004559
6439	481756.8	3768378	4.57E-02	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	481756.8	3768378	0.045975	0.045523	0.008253	0.004643
6440	481760.3	3768386	4.65E-02	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	481760.3	3768386	0.046849	0.046397	0.008397	0.004727
6441	481763.8	3768394	4.73E-02	0.00E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	481763.8	3768394	0.047727	0.047275	0.008541	0.004811
6442	481767.3	3768402	4.81E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	481767.3	3768402	0.048611	0.048159	0.008685	0.004895
6443	481770.8	3768410	4.89E-02	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	481770.8	3768410	0.049495	0.049043	0.008829	0.004979
6444	481774.3	3768418	4.97E-02	0.00E+00	0.00E+00	4.96E-02	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	481774.3	3768418	0.050379	0.049927	0.008973	0.005063
6445	481777.8	3768426	5.05E-02	0.00E+00	0.00E+00	5.04E-02	0.00E+00	0.00E+00	9.08E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	481777.8	3768426	0.051263	0.050811	0.009117	0.005147
6446	481781.3	3768434	5.13E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.22E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	481781.3	3768434	0.052147	0.051695	0.009261	0.005231
6447	481784.8	3768442	5.21E-02	0.00E+00	0.00E+00	5.20E-02	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	481784.8	3768442	0.053031	0.052579	0.009405	0.005315
6448	481788.3	3768450	5.29E-02	0.00E+00	0.00E+00	5.28E-02	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	481788.3	3768450	0.053915	0.053463	0.009549	0.005399
6449	481791.8	3768458	5.37E-02	0.00E+00	0.00E+00	5.36E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	481791.8	3768458	0.054800	0.054348	0.009693	0.005483
6450	481795.3	3768466	5.45E-02	0.00E+00	0.00E+00	5.44E-02	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	481795.3	3768466	0.055684	0.055232	0.009837	0.005567
6451	481798.8	3768474	5.53E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00												

6529	481517.9	3768110	9.51E-03	0.00E+00	0.00E+00	9.41E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	481517.9	3768110	0.009506	0.009406	0.001727	0.000964
6530	481508.4	3768110	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	481508.4	3768110	0.009272	0.009175	0.001685	0.000994
6531	481498.9	3768110	9.05E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	481498.9	3768110	0.009048	0.008953	0.001644	0.000918
6532	481489.3	3768110	8.83E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	481489.3	3768110	0.008826	0.008733	0.001604	0.000895
6533	481479.8	3768110	8.61E-03	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	481479.8	3768110	0.008607	0.008517	0.001564	0.000873
6534	481470.3	3768110	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	481470.3	3768110	0.008382	0.008295	0.001523	0.00085
6535	481460.8	3768110	8.16E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	481460.8	3768110	0.008163	0.008078	0.001483	0.000828
6536	481451.3	3768110	7.95E-03	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	481451.3	3768110	0.007952	0.007869	0.001445	0.000807
6537	481441.8	3768110	7.75E-03	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	481441.8	3768110	0.007749	0.007668	0.001408	0.000786
6538	481432.3	3768110	7.55E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	481432.3	3768110	0.007554	0.007475	0.001373	0.000766
6539	481422.8	3768110	7.37E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	481422.8	3768110	0.007368	0.007291	0.001339	0.000747
6540	481413.3	3768110	7.19E-03	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	481413.3	3768110	0.007193	0.007118	0.001307	0.00073
6541	481403.8	3768110	7.03E-03	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	481403.8	3768110	0.007028	0.006955	0.001277	0.000713
6542	481394.3	3768110	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	481394.3	3768110	0.006874	0.006802	0.001249	0.000697
6543	481384.8	3768110	6.73E-03	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	481384.8	3768110	0.006753	0.006686	0.001223	0.000683
6544	481375.2	3768110	6.60E-03	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	481375.2	3768110	0.006596	0.006527	0.001199	0.000669
6545	481365.7	3768110	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	481365.7	3768110	0.006472	0.006404	0.001176	0.000656
6546	481356.2	3768110	6.36E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	481356.2	3768110	0.006358	0.006291	0.001155	0.000645
6547	481346.7	3768110	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	481346.7	3768110	0.006253	0.006187	0.001136	0.000634
6548	481337.2	3768110	6.16E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	481337.2	3768110	0.006157	0.006092	0.001119	0.000625
6549	481553.5	3768112	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481553.5	3768112	0.010429	0.01032	0.001895	0.001058
6550	481562.2	3768115	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481562.2	3768115	0.010893	0.010779	0.001979	0.001105
6551	481570.9	3768119	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481570.9	3768119	0.011371	0.011252	0.002066	0.001153
6552	481579.6	3768123	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	481579.6	3768123	0.011858	0.011734	0.002155	0.001203
6553	481588.3	3768126	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481588.3	3768126	0.012225	0.012225	0.002245	0.001253
6554	481597	3768130	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481597	3768130	0.012856	0.012721	0.002336	0.001304
6555	481605.7	3768133	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	481605.7	3768133	0.013368	0.013228	0.002429	0.001356
6556	481623.1	3768141	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	481623.1	3768141	0.014402	0.014251	0.002617	0.001461
6557	481631.8	3768144	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481631.8	3768144	0.01491	0.014754	0.002709	0.001512
6558	481640.5	3768148	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	481640.5	3768148	0.015399	0.015238	0.002798	0.001562
6559	481649.2	3768152	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	481649.2	3768152	0.015878	0.015712	0.002885	0.001611
6560	481657.9	3768155	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	481657.9	3768155	0.016341	0.01617	0.002969	0.001658
6561	481666.5	3768159	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	481666.5	3768159	0.016794	0.016618	0.003051	0.001704
6562	481675.2	3768163	1.72E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	481675.2	3768163	0.017231	0.017051	0.003131	0.001748
6563	481683.9	3768166	1.76E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	481683.9	3768166	0.017649	0.017464	0.003207	0.00179
6564	481692.6	3768170	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481692.6	3768170	0.018036	0.017847	0.003277	0.00183
6565	481704.9	3768182	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481704.9	3768182	0.018998	0.018799	0.003452	0.001927
6566	481708.4	3768191	2.01E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	481708.4	3768191	0.020059	0.019849	0.003645	0.002035
6567	481712	3768200	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	481712	3768200	0.021177	0.020955	0.003848	0.002148
6568	481715.5	3768209	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	481715.5	3768209	0.022359	0.022125	0.004063	0.002268
6569	481719.1	3768217	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	481719.1	3768217	0.02383	0.023581	0.00433	0.002417
6570	481722.6	3768226	2.50E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	481722.6	3768226	0.025	0.024738	0.004542	0.002536
6571	481726.2	3768235	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	481726.2	3768235	0.026152	0.025878	0.004752	0.002653
6572	481729.7	3768244	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	481729.7	3768244	0.027299	0.027014	0.00496	0.002769
6573	481733.3	3768252	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	481733.3	3768252	0.02843	0.028132	0.005166	0.002884
6574	481736.8	3768261	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.39E-03											

6652	481384.8	3768090	6.01E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	481384.8	3768090	0.006008	0.005945	0.001092	0.000690
6653	481375.3	3768090	5.89E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	481375.3	3768090	0.005894	0.005832	0.001071	0.000598
6654	481365.8	3768090	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	481365.8	3768090	0.005789	0.005728	0.001052	0.000587
6655	481356.3	3768090	5.69E-03	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	481356.3	3768090	0.005691	0.005632	0.001034	0.000577
6656	481346.8	3768090	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	481346.8	3768090	0.005602	0.005543	0.001018	0.000568
6657	481337.3	3768090	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	481337.3	3768090	0.005522	0.005462	0.001003	0.000556
6658	481553.1	3768092	9.12E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	481553.1	3768092	0.009117	0.009022	0.001657	0.000925
6659	481561.7	3768095	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	481561.7	3768095	0.009502	0.009403	0.001727	0.000964
6660	481570.2	3768099	9.90E-03	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	481570.2	3768099	0.009888	0.009795	0.001799	0.001004
6661	481578.7	3768102	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481578.7	3768102	0.010304	0.010197	0.001872	0.001045
6662	481587.3	3768106	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481587.3	3768106	0.010719	0.010607	0.001948	0.001087
6663	481595.8	3768110	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481595.8	3768110	0.011141	0.011025	0.002024	0.001113
6664	481604.3	3768113	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481604.3	3768113	0.011573	0.011452	0.002103	0.001174
6665	481612.9	3768117	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481612.9	3768117	0.012013	0.011888	0.002183	0.001219
6666	481621.4	3768120	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	481621.4	3768120	0.012454	0.012324	0.002263	0.001263
6667	481630	3768124	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	481630	3768124	0.012896	0.012761	0.002343	0.001308
6668	481638.5	3768128	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481638.5	3768128	0.013324	0.013185	0.002421	0.001352
6669	481647	3768131	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	481647	3768131	0.013748	0.013604	0.002498	0.001395
6670	481655.6	3768135	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	481655.6	3768135	0.014163	0.014014	0.002573	0.001437
6671	481664.1	3768138	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481664.1	3768138	0.014568	0.014416	0.002647	0.001478
6672	481672.6	3768142	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481672.6	3768142	0.014964	0.014808	0.002719	0.001518
6673	481681.2	3768145	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481681.2	3768145	0.014909	0.014753	0.002709	0.001512
6674	481689.7	3768149	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481689.7	3768149	0.015281	0.015121	0.002776	0.001555
6675	481698.2	3768153	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481698.2	3768153	0.015643	0.015479	0.002842	0.001587
6676	481706.8	3768156	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	481706.8	3768156	0.015988	0.015813	0.002904	0.001621
6677	481718.8	3768168	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	481718.8	3768168	0.017159	0.016988	0.003118	0.001741
6678	481722.3	3768177	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481722.3	3768177	0.018072	0.017883	0.003284	0.001833
6679	481725.8	3768186	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	481725.8	3768186	0.019025	0.018826	0.003457	0.001933
6680	481729.3	3768194	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	481729.3	3768194	0.020009	0.0198	0.003636	0.00203
6681	481732.8	3768203	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	481732.8	3768203	0.021038	0.020818	0.003823	0.002134
6682	481736.2	3768211	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	481736.2	3768211	0.022089	0.021858	0.004013	0.002241
6683	481739.7	3768220	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	481739.7	3768220	0.023147	0.022905	0.004206	0.002348
6684	481743.2	3768228	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	481743.2	3768228	0.024205	0.023952	0.004398	0.002455
6685	481746.7	3768237	2.53E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	481746.7	3768237	0.025266	0.024996	0.00459	0.002562
6686	481750.2	3768246	2.63E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	481750.2	3768246	0.026314	0.026038	0.004781	0.002669
6687	481753.7	3768254	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	481753.7	3768254	0.027365	0.027079	0.004972	0.002776
6688	481757.2	3768263	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	481757.2	3768263	0.028392	0.028095	0.005159	0.002888
6689	481760.7	3768271	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	481760.7	3768271	0.02938	0.029073	0.005338	0.002998
6690	481764.1	3768280	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	481764.1	3768280	0.030323	0.030005	0.00551	0.003076
6691	481767.6	3768288	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	481767.6	3768288	0.031205	0.030879	0.00567	0.003165
6692	481771.1	3768297	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	481771.1	3768297	0.032017	0.031683	0.005818	0.003248
6693	481774.6	3768306	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	481774.6	3768306	0.032745	0.032403	0.00595	0.003322
6694	481778.1	3768314	3.34E-02	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	481778.1	3768314	0.033381	0.033032	0.006065	0.003386
6695	481781.6	3768323	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	481781.6	3768323	0.033922	0.033567	0.006164	0.003441
6696	481518	3768081	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	481518	3768081	0.007845	0.007763	0.001425	0.000796
6697	481508.5	3768081	7.66E-03	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	1.39E-03</											

6775	481337.4	3768070	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	481337.4	3768070	0.004983	0.004931	0.000905	0.000505
6776	481552.8	3768072	8.04E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	481552.8	3768072	0.00804	0.007956	0.001461	0.000816
6777	481561.2	3768075	8.36E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	481561.2	3768075	0.008362	0.008274	0.001519	0.000848
6778	481569.6	3768079	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	481569.6	3768079	0.008693	0.008603	0.00158	0.000882
6779	481578	3768082	9.03E-03	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.16E-04	0.00E+00	0.00E+00	481578	3768082	0.009034	0.00894	0.001642	0.000916
6780	481586.4	3768086	9.38E-03	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	481586.4	3768086	0.009384	0.009285	0.001705	0.000952
6781	481594.8	3768090	9.74E-03	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	481594.8	3768090	0.00974	0.009638	0.00177	0.000988
6782	481603.2	3768093	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481603.2	3768093	0.010105	0.009999	0.001836	0.001025
6783	481611.6	3768097	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481611.6	3768097	0.0105	0.01037	0.001904	0.001063
6784	481620	3768100	1.09E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	481620	3768100	0.010858	0.010745	0.001973	0.001101
6785	481628.5	3768104	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	481628.5	3768104	0.011239	0.011121	0.002042	0.00114
6786	481636.9	3768107	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481636.9	3768107	0.011613	0.011491	0.002111	0.001178
6787	481645.3	3768111	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	481645.3	3768111	0.011984	0.011859	0.002177	0.001216
6788	481653.7	3768114	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481653.7	3768114	0.012352	0.012223	0.002244	0.001253
6789	481662.1	3768118	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	481662.1	3768118	0.012714	0.012581	0.00231	0.00129
6790	481670.5	3768121	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481670.5	3768121	0.01307	0.012933	0.002375	0.001326
6791	481678.9	3768125	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	481678.9	3768125	0.012993	0.012857	0.002361	0.001318
6792	481687.3	3768128	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481687.3	3768128	0.013306	0.013167	0.002418	0.00135
6793	481695.7	3768132	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481695.7	3768132	0.013636	0.013494	0.002478	0.001383
6794	481704.1	3768135	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	481704.1	3768135	0.013968	0.013821	0.002538	0.001417
6795	481712.5	3768139	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481712.5	3768139	0.014289	0.01414	0.002596	0.001449
6796	481720.9	3768142	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	481720.9	3768142	0.014588	0.014436	0.002651	0.001481
6797	481729.3	3768145	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	481729.3	3768145	0.01562	0.015457	0.002838	0.001584
6798	481736.2	3768163	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	481736.2	3768163	0.016421	0.016249	0.002984	0.001666
6799	481743	3768180	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	481743	3768180	0.018089	0.0179	0.003287	0.001835
6800	481746.5	3768188	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481746.5	3768188	0.018958	0.018759	0.003445	0.001923
6801	481749.9	3768197	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	481749.9	3768197	0.019847	0.019639	0.003606	0.002013
6802	481756.8	3768214	2.17E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	481756.8	3768214	0.021663	0.021436	0.003936	0.002197
6803	481760.2	3768222	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	481760.2	3768222	0.022598	0.022362	0.004106	0.002292
6804	481763.7	3768230	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	481763.7	3768230	0.023533	0.023286	0.004276	0.002387
6805	481767.1	3768239	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	481767.1	3768239	0.024459	0.024203	0.004444	0.002481
6806	481774	3768256	2.63E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	481774	3768256	0.026263	0.025989	0.004772	0.002664
6807	481777.4	3768264	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	481777.4	3768264	0.027126	0.026842	0.004929	0.002752
6808	481780.8	3768273	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	481780.8	3768273	0.027951	0.027658	0.005079	0.002835
6809	481787.7	3768290	2.95E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	481787.7	3768290	0.029455	0.029147	0.005352	0.002928
6810	481791.1	3768298	3.01E-02	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	481791.1	3768298	0.030121	0.029806	0.005473	0.003055
6811	481794.6	3768306	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	481794.6	3768306	0.030716	0.030395	0.005581	0.003116
6812	481798	3768315	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	481798	3768315	0.031235	0.030909	0.005675	0.003168
6813	481815.1	3768061	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	481815.1	3768061	0.006973	0.0069	0.001267	0.000707
6814	481815.6	3768061	6.82E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	481815.6	3768061	0.006815	0.006744	0.001238	0.000691
6815	481819.1	3768061	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	481819.1	3768061	0.006664	0.006594	0.001211	0.000676
6816	481848.6	3768061	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	481848.6	3768061	0.006516	0.006448	0.001184	0.000661
6817	481848	3768061	6.37E-03	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	481848	3768061	0.006371	0.006304	0.001158	0.000646
6818	481470.5	3768061	6.22E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	481470.5	3768061	0.006223	0.006158	0.001131	0.000631
6819	481461	3768061	6.08E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	481461	3768061	0.00608	0.006016	0.001105	0.000617
6820	481451.5	3768061	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00									

6898	481588.1	3768067	8.37E-03	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	481588.1	3768067	0.008369	0.008281	0.001521	0.000849
6899	481596.7	3768071	8.69E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	481596.7	3768071	0.008686	0.008595	0.001578	0.000881
6900	481605.3	3768074	9.01E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	481605.3	3768074	0.00901	0.008916	0.001637	0.000914
6901	481613.9	3768078	9.34E-03	0.00E+00	0.00E+00	9.25E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	481613.9	3768078	0.009343	0.009246	0.001698	0.000948
6902	481622.6	3768081	9.68E-03	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	481622.6	3768081	0.009683	0.009582	0.001759	0.000982
6903	481631.2	3768085	1.00E-02	0.00E+00	0.00E+00	9.92E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481631.2	3768085	0.010024	0.009919	0.001821	0.001017
6904	481639.8	3768089	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	481639.8	3768089	0.010361	0.010252	0.001883	0.001051
6905	481648.4	3768092	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481648.4	3768092	0.010697	0.010586	0.001944	0.001085
6906	481657.1	3768096	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481657.1	3768096	0.011034	0.010918	0.002005	0.001119
6907	481665.7	3768100	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481665.7	3768100	0.011366	0.011247	0.002065	0.001153
6908	481674.3	3768103	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	481674.3	3768103	0.011693	0.011571	0.002125	0.001186
6909	481682.9	3768107	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481682.9	3768107	0.011613	0.011492	0.002111	0.001178
6910	481691.6	3768110	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	481691.6	3768110	0.011911	0.011786	0.002164	0.001208
6911	481700.2	3768114	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481700.2	3768114	0.012229	0.012101	0.002222	0.001244
6912	481708.8	3768118	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	481708.8	3768118	0.012524	0.012409	0.002278	0.001272
6913	481717.4	3768121	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481717.4	3768121	0.012824	0.012706	0.002333	0.001302
6914	481726.1	3768125	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	481726.1	3768125	0.013107	0.012997	0.002382	0.001333
6915	481734.7	3768129	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	481734.7	3768129	0.013354	0.013214	0.002426	0.001355
6916	481746.8	3768141	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481746.8	3768141	0.014274	0.014124	0.002593	0.001448
6917	481750.4	3768149	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	481750.4	3768149	0.015005	0.014848	0.002726	0.001522
6918	481753.9	3768158	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	481753.9	3768158	0.015761	0.015596	0.002864	0.001599
6919	481757.4	3768167	1.65E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	481757.4	3768167	0.016539	0.016366	0.003005	0.001678
6920	481760.9	3768175	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	481760.9	3768175	0.01731	0.017129	0.003145	0.001756
6921	481764.5	3768184	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	481764.5	3768184	0.018103	0.017914	0.003289	0.001836
6922	481768.1	3768193	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481768.1	3768193	0.018912	0.018714	0.003436	0.001918
6923	481771.5	3768201	1.98E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	481771.5	3768201	0.019751	0.019544	0.003589	0.002003
6924	481775	3768210	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	481775	3768210	0.020613	0.020397	0.003745	0.002091
6925	481778.5	3768219	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	481778.5	3768219	0.021483	0.021258	0.003903	0.002179
6926	481782.1	3768227	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	481782.1	3768227	0.022346	0.022112	0.00406	0.002267
6927	481785.6	3768236	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	481785.6	3768236	0.023177	0.022934	0.004211	0.002351
6928	481789.1	3768245	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	481789.1	3768245	0.023995	0.023744	0.00436	0.002434
6929	481792.6	3768253	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	481792.6	3768253	0.024796	0.024537	0.004505	0.002515
6930	481796.2	3768262	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	481796.2	3768262	0.02557	0.025303	0.004646	0.002594
6931	481799.7	3768271	2.63E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	481799.7	3768271	0.026309	0.026034	0.00478	0.002669
6932	481803.2	3768279	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	481803.2	3768279	0.027008	0.026725	0.004907	0.00274
6933	481806.7	3768288	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	481806.7	3768288	0.027655	0.027366	0.005025	0.002805
6934	481810.3	3768297	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	481810.3	3768297	0.028244	0.027948	0.005132	0.002865
6935	481813.8	3768305	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	481813.8	3768305	0.028766	0.028465	0.005227	0.002918
6936	481817.3	3768314	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	481817.3	3768314	0.029217	0.028911	0.005309	0.002964
6937	481820.8	3768323	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	481820.8	3768323	0.029588	0.029278	0.005376	0.003001
6938	481815.2	3768042	6.24E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	481815.2	3768042	0.006244	0.006179	0.001135	0.000633
6939	481508.7	3768042	6.11E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	481508.7	3768042	0.006108	0.006045	0.00111	0.00062
6940	481499.1	3768041	5.98E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	481499.1	3768041	0.005977	0.005915	0.001086	0.000606
6941	481489.6	3768041	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	481489.6	3768041	0.005849	0.005788	0.001063	0.000593
6942	481480.1	3768041	5.72E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	481480.1	3768041	0.005724	0.005664	0.00104	0.000581
6943	481470.6	3768041	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.0											

7021	481394.7	3768011	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	481394.7	3768011	0.004134	0.004091	0.000751	0.000419
7022	481385.2	3768011	4.07E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	481385.2	3768011	0.004066	0.004024	0.000739	0.000412
7023	481375.7	3768011	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	481375.7	3768011	0.004003	0.003961	0.000727	0.000406
7024	481366.1	3768011	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	481366.1	3768011	0.003944	0.003903	0.000717	0.000404
7025	481356.6	3768011	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	481356.6	3768011	0.003888	0.003848	0.000707	0.000394
7026	481347.1	3768011	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	481347.1	3768011	0.003836	0.003796	0.000697	0.000389
7027	481337.6	3768011	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	481337.6	3768011	0.003788	0.003748	0.000688	0.000384
7028	481553.7	3767992	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	481553.7	3767992	0.005236	0.005181	0.000951	0.000531
7029	481562.3	3767996	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	481562.3	3767996	0.005419	0.005362	0.000985	0.000555
7030	481570.9	3768000	5.61E-03	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	481570.9	3768000	0.005609	0.005551	0.001019	0.000569
7031	481579.5	3768003	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	481579.5	3768003	0.005805	0.005744	0.001055	0.000589
7032	481588.1	3768007	6.01E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	481588.1	3768007	0.006006	0.005944	0.001091	0.000609
7033	481596.7	3768010	6.21E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	481596.7	3768010	0.006214	0.006149	0.001129	0.000631
7034	481605.3	3768014	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	481605.3	3768014	0.006426	0.006359	0.001168	0.000652
7035	481613.9	3768018	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	481613.9	3768018	0.006643	0.006574	0.001207	0.000674
7036	481622.5	3768021	6.87E-03	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	481622.5	3768021	0.006866	0.006794	0.001248	0.000696
7037	481631.1	3768025	7.09E-03	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	481631.1	3768025	0.007092	0.007017	0.001289	0.000719
7038	481639.7	3768029	7.32E-03	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	481639.7	3768029	0.007321	0.007244	0.001333	0.000743
7039	481648.3	3768032	7.55E-03	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	481648.3	3768032	0.007553	0.007474	0.001372	0.000766
7040	481657.7	3768036	7.79E-03	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	481657.7	3768036	0.007787	0.007706	0.001415	0.000791
7041	481665.6	3768039	8.02E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	481665.6	3768039	0.008022	0.007939	0.001458	0.000814
7042	481674.2	3768043	8.26E-03	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	481674.2	3768043	0.008259	0.008173	0.001501	0.000838
7043	481682.8	3768047	8.19E-03	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	481682.8	3768047	0.008191	0.008105	0.001488	0.000831
7044	481691.4	3768050	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	481691.4	3768050	0.008408	0.00832	0.001528	0.000853
7045	481700.7	3768054	8.64E-03	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	481700.7	3768054	0.008645	0.008555	0.001571	0.000877
7046	481708.6	3768057	8.88E-03	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	481708.6	3768057	0.008881	0.008788	0.001614	0.000901
7047	481717.2	3768061	9.11E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	481717.2	3768061	0.009114	0.009019	0.001656	0.000925
7048	481725.8	3768065	9.33E-03	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00	481725.8	3768065	0.009329	0.009231	0.001695	0.000946
7049	481734.4	3768068	9.53E-03	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	481734.4	3768068	0.009532	0.009432	0.001732	0.000967
7050	481743.7	3768072	9.73E-03	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	481743.7	3768072	0.009731	0.009629	0.001768	0.000987
7051	481751.6	3768076	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	481751.6	3768076	0.009926	0.009823	0.001804	0.001007
7052	481760.2	3768079	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481760.2	3768079	0.010116	0.010011	0.001838	0.001026
7053	481768.8	3768083	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	481768.8	3768083	0.0103	0.010192	0.001871	0.001045
7054	481777.4	3768086	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481777.4	3768086	0.010477	0.010368	0.001904	0.001063
7055	481785.9	3768089	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481785.9	3768089	0.01111	0.010994	0.002019	0.001127
7056	481793.7	3768107	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481793.7	3768107	0.011592	0.011447	0.002106	0.001176
7057	481796.5	3768116	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	481796.5	3768116	0.0121	0.011974	0.002199	0.001227
7058	481800.7	3768125	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	481800.7	3768125	0.012634	0.012502	0.002296	0.001282
7059	481803.5	3768133	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481803.5	3768133	0.013189	0.013051	0.002396	0.001338
7060	481807.1	3768142	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	481807.1	3768142	0.013752	0.013609	0.002499	0.001395
7061	481810.6	3768150	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	481810.6	3768150	0.014319	0.014169	0.002602	0.001452
7062	481814.1	3768159	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	481814.1	3768159	0.01489	0.014735	0.002706	0.001515
7063	481817.6	3768168	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	481817.6	3768168	0.015475	0.015313	0.002812	0.001577
7064	481821.1	3768176	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	481821.1	3768176	0.016078	0.01591	0.002921	0.001631
7065	481824.6	3768185	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	481824.6	3768185	0.016696	0.016521	0.003034	0.001694
7066	481828.1	3768194	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00												

7144	481857.2	3768192	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	481857.2	3768192	0.016366	0.016194	0.002974	0.00166
7145	481860.8	3768200	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	481860.8	3768200	0.016908	0.016731	0.003072	0.001715
7146	481864.4	3768209	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	481864.4	3768209	0.017437	0.017255	0.003168	0.001769
7147	481867.9	3768218	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	481867.9	3768218	0.01796	0.017772	0.003263	0.001822
7148	481871.5	3768227	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	481871.5	3768227	0.018473	0.01828	0.003357	0.001874
7149	481875	3768235	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481875	3768235	0.018976	0.018777	0.003448	0.001925
7150	481878.6	3768244	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	481878.6	3768244	0.019464	0.01926	0.003537	0.001974
7151	481882.2	3768253	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	481882.2	3768253	0.019932	0.019723	0.003622	0.002022
7152	481885.7	3768262	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	481885.7	3768262	0.020372	0.020159	0.003702	0.002066
7153	481889.3	3768271	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	481889.3	3768271	0.020777	0.02056	0.003775	0.002108
7154	481892.9	3768279	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	481892.9	3768279	0.021145	0.020924	0.003842	0.002145
7155	481896.4	3768288	2.15E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	481896.4	3768288	0.021474	0.02125	0.003902	0.002178
7156	481900	3768297	2.18E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	481900	3768297	0.021762	0.021534	0.003954	0.002207
7157	481903.6	3768306	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	481903.6	3768306	0.022004	0.021774	0.003998	0.002232
7158	481907.1	3768314	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	481907.1	3768314	0.022196	0.021964	0.004033	0.002252
7159	481910.7	3768323	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	481910.7	3768323	0.022338	0.022105	0.004059	0.002266
7160	481518.5	3767952	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	481518.5	3767952	0.004056	0.004013	0.000737	0.000411
7161	481509	3767952	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	481509	3767952	0.003981	0.003939	0.000723	0.000404
7162	481499.5	3767951	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	481499.5	3767951	0.003908	0.003867	0.00071	0.000396
7163	481490	3767951	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	481490	3767951	0.003836	0.003796	0.000697	0.000389
7164	481480.5	3767951	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	481480.5	3767951	0.003766	0.003727	0.000684	0.000382
7165	481471	3767951	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	481471	3767951	0.003698	0.00366	0.000672	0.000375
7166	481461.5	3767951	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	481461.5	3767951	0.003632	0.003594	0.00066	0.000368
7167	481452	3767951	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	481452	3767951	0.003569	0.003531	0.000648	0.000362
7168	481442.5	3767951	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	481442.5	3767951	0.003507	0.003471	0.000637	0.000356
7169	481433	3767951	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	481433	3767951	0.003448	0.003412	0.000627	0.00035
7170	481423.4	3767951	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	481423.4	3767951	0.003392	0.003356	0.000616	0.000344
7171	481413.9	3767951	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	481413.9	3767951	0.003338	0.003303	0.000606	0.000339
7172	481404.4	3767951	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	481404.4	3767951	0.003286	0.003252	0.000597	0.000333
7173	481394.9	3767951	3.24E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	481394.9	3767951	0.003237	0.003203	0.000588	0.000328
7174	481385.4	3767951	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	481385.4	3767951	0.00319	0.003157	0.00058	0.000324
7175	481375.9	3767951	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	481375.9	3767951	0.003146	0.003113	0.000572	0.000319
7176	481366.4	3767951	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	481366.4	3767951	0.003105	0.003073	0.000564	0.000315
7177	481356.9	3767951	3.07E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	481356.9	3767951	0.003066	0.003034	0.000557	0.000311
7178	481347.4	3767951	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	481347.4	3767951	0.003029	0.002997	0.00055	0.000307
7179	481337.9	3767951	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	481337.9	3767951	0.002994	0.002963	0.000544	0.000304
7180	481328.4	3767950	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	481328.4	3767950	0.002958	0.002928	0.000538	0.000301
7181	481318.9	3767950	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	481318.9	3767950	0.002922	0.002893	0.000532	0.000298
7182	481309.4	3767950	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	481309.4	3767950	0.002886	0.002858	0.000526	0.000295
7183	481300.0	3767950	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	481300.0	3767950	0.002850	0.002823	0.00052	0.000292
7184	481290.6	3767950	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	481290.6	3767950	0.002814	0.002788	0.000514	0.000289
7185	481281.2	3767950	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	481281.2	3767950	0.002778	0.002753	0.000508	0.000286
7186	481271.8	3767950	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	481271.8	3767950	0.002742	0.002718	0.000502	0.000283
7187	481262.4	3767950	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	481262.4	3767950	0.002706	0.002683	0.000496	0.00028
7188	481253.0	3767950	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	481253.0	3767950	0.002670	0.002648	0.00049	0.000277
7189	481243.6	3767950	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+0									

7267	481867.7	3768070	9.37E-03	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	481867.7	3768070	0.009369	0.009271	0.001702	0.00095
7268	481871.3	3768079	9.71E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	481871.3	3768079	0.009705	0.009604	0.001763	0.000984
7269	481874.8	3768088	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	481874.8	3768088	0.010051	0.009946	0.001826	0.00102
7270	481878.4	3768097	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481878.4	3768097	0.010405	0.010296	0.00189	0.001055
7271	481881.9	3768105	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481881.9	3768105	0.010766	0.010653	0.001956	0.001092
7272	481885.5	3768114	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	481885.5	3768114	0.011152	0.011035	0.002026	0.001131
7273	481889.1	3768123	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	481889.1	3768123	0.011548	0.011428	0.002098	0.001171
7274	481892.6	3768132	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	481892.6	3768132	0.011952	0.011827	0.002172	0.001212
7275	481896.2	3768140	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	481896.2	3768140	0.012361	0.012232	0.002246	0.001254
7276	481899.7	3768149	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	481899.7	3768149	0.012778	0.012644	0.002322	0.001296
7277	481903.3	3768158	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	481903.3	3768158	0.013198	0.01306	0.002398	0.001339
7278	481906.8	3768166	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	481906.8	3768166	0.013619	0.013477	0.002475	0.001381
7279	481910.4	3768175	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	481910.4	3768175	0.014023	0.013877	0.002548	0.001422
7280	481913.9	3768184	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	481913.9	3768184	0.014427	0.014276	0.002621	0.001463
7281	481917.5	3768193	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	481917.5	3768193	0.014829	0.014674	0.002694	0.001504
7282	481921	3768201	1.52E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	481921	3768201	0.015233	0.015074	0.002768	0.001545
7283	481924.6	3768210	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	481924.6	3768210	0.015638	0.015474	0.002841	0.001586
7284	481928.1	3768219	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	481928.1	3768219	0.016035	0.015868	0.002914	0.001627
7285	481933	3768220	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	481933	3768220	0.018232	0.018041	0.003313	0.001849
7286	481956.5	3768289	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	481956.5	3768289	0.018439	0.018246	0.00335	0.00187
7287	481960.1	3768298	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	481960.1	3768298	0.018611	0.018416	0.003382	0.001888
7288	481963.6	3768306	1.87E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	481963.6	3768306	0.018748	0.018552	0.003406	0.001902
7289	481967.2	3768315	1.88E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	481967.2	3768315	0.018848	0.018651	0.003425	0.001912
7290	481970.7	3768324	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481970.7	3768324	0.018909	0.018712	0.003436	0.001918
7291	481974.3	3768332	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	481974.3	3768332	0.018931	0.018733	0.00344	0.00192
7292	481528.3	3767892	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	481528.3	3767892	0.003249	0.003215	0.00059	0.00033
7293	481518.8	3767892	3.20E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	481518.8	3767892	0.003195	0.003162	0.000581	0.000324
7294	481509.3	3767892	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	481509.3	3767892	0.003143	0.00311	0.000571	0.000319
7295	481499.8	3767891	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	481499.8	3767891	0.003091	0.003059	0.000562	0.000314
7296	481490.3	3767891	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	481490.3	3767891	0.003041	0.003009	0.000553	0.000308
7297	481480.8	3767891	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	481480.8	3767891	0.002992	0.002961	0.000544	0.000303
7298	481471.2	3767891	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	481471.2	3767891	0.002944	0.002914	0.000535	0.000299
7299	481461.7	3767891	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	481461.7	3767891	0.002898	0.002868	0.000527	0.000294
7300	481452.2	3767891	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	481452.2	3767891	0.002854	0.002824	0.000519	0.000289
7301	481442.7	3767891	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	481442.7	3767891	0.002811	0.002781	0.000511	0.000285
7302	481433.2	3767891	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	481433.2	3767891	0.002769	0.00274	0.000503	0.000281
7303	481423.7	3767891	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	481423.7	3767891	0.002729	0.002701	0.000496	0.000277
7304	481414.2	3767891	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	481414.2	3767891	0.002691	0.002663	0.000489	0.000273
7305	481404.7	3767891	2.65E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	481404.7	3767891	0.002654	0.002626	0.000482	0.000269
7306	481395.2	3767891	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	481395.2	3767891	0.002619	0.002591	0.000476	0.000266
7307	481385.7	3767891	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	481385.7	3767891	0.002585	0.002558	0.00047	0.000262
7308	481376.2	3767891	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	481376.2	3767891	0.002553	0.002527	0.000464	0.000259
7309	481366.6	3767891	2.52E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	481366.6	3767891	0.002523	0.002497	0.000458	0.000256
7310	481357.1	3767891	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	481357.1	3767891	0.002495	0.002469	0.000453	0.000253
7311	481347.6	3767891	2.47E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	481347.6	3767891	0.002468	0.002442	0.000448	0.00025
7312	481338.1	3767891	2.44E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04											

7390	481385.8	3767861	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	481385.8	3767861	0.00235	0.00235	0.000427	0.000238
7391	481376.3	3767861	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	481376.3	3767861	0.00232	0.002298	0.000422	0.000236
7392	481366.8	3767861	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	481366.8	3767861	0.002296	0.002272	0.000417	0.000233
7393	481357.3	3767861	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	481357.3	3767861	0.002272	0.002248	0.000413	0.000230
7394	481347.7	3767861	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	481347.7	3767861	0.002248	0.002225	0.000409	0.000228
7395	481338.2	3767861	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	481338.2	3767861	0.002226	0.002202	0.000404	0.000226
7396	481563.2	3767846	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	481563.2	3767846	0.002923	0.002893	0.000531	0.000297
7397	481571.9	3767850	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	481571.9	3767850	0.003002	0.002971	0.000546	0.000305
7398	481580.6	3767853	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	481580.6	3767853	0.003084	0.003052	0.000562	0.000313
7399	481589.2	3767857	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	481589.2	3767857	0.003169	0.003135	0.000576	0.000321
7400	481597.9	3767861	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	481597.9	3767861	0.003256	0.003222	0.000592	0.000333
7401	481632.6	3767875	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	481632.6	3767875	0.003628	0.003599	0.000659	0.000368
7402	481641.2	3767879	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	481641.2	3767879	0.003722	0.003684	0.000676	0.000378
7403	481649.9	3767883	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	481649.9	3767883	0.003822	0.003784	0.000694	0.000387
7404	481658.6	3767886	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	481658.6	3767886	0.003919	0.003878	0.000712	0.000398
7405	481667.3	3767890	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	481667.3	3767890	0.004023	0.003981	0.000731	0.000408
7406	481675.9	3767893	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	481675.9	3767893	0.004128	0.004085	0.000745	0.000419
7407	481684.6	3767897	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	481684.6	3767897	0.004084	0.004042	0.000742	0.000414
7408	481693.3	3767901	4.17E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	481693.3	3767901	0.004173	0.004135	0.000758	0.000423
7409	481701.9	3767904	4.27E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	481701.9	3767904	0.004271	0.004226	0.000776	0.000433
7410	481710.6	3767908	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	481710.6	3767908	0.00437	0.004325	0.000794	0.000443
7411	481719.3	3767912	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	481719.3	3767912	0.004471	0.004425	0.000812	0.000454
7412	481727.9	3767915	4.57E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	481727.9	3767915	0.004574	0.004526	0.000831	0.000464
7413	481736.6	3767919	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	481736.6	3767919	0.004677	0.004628	0.000850	0.000474
7414	481745.3	3767923	4.78E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	481745.3	3767923	0.004782	0.004732	0.000869	0.000485
7415	481753.9	3767926	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	481753.9	3767926	0.004887	0.004836	0.000888	0.000496
7416	481762.6	3767930	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	481762.6	3767930	0.004993	0.004941	0.000907	0.000506
7417	481806	3767948	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	481806	3767948	0.005527	0.005469	0.001004	0.000561
7418	481814.6	3767952	5.63E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	481814.6	3767952	0.005633	0.005574	0.001024	0.000571
7419	481823.3	3767955	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	481823.3	3767955	0.005738	0.005678	0.001043	0.000582
7420	481832	3767959	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	481832	3767959	0.005842	0.005781	0.001062	0.000593
7421	481840.6	3767963	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	481840.6	3767963	0.005945	0.005883	0.001081	0.000603
7422	481849.3	3767966	6.05E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	481849.3	3767966	0.006045	0.005982	0.001098	0.000613
7423	481858	3767970	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	481858	3767970	0.006144	0.006088	0.001116	0.000623
7424	481866.6	3767974	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	481866.6	3767974	0.006244	0.006188	0.001134	0.000633
7425	481875.3	3767977	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	481875.3	3767977	0.006339	0.006283	0.001152	0.000643
7426	481884	3767981	6.44E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	481884	3767981	0.006439	0.006382	0.001171	0.000653
7427	481896.2	3767993	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	481896.2	3767993	0.006761	0.006691	0.001229	0.000686
7428	481899.7	3768002	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	481899.7	3768002	0.006993	0.006923	0.001271	0.000709
7429	481903.3	3768011	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	481903.3	3768011	0.007226	0.007151	0.001313	0.000733
7430	481906.8	3768019	7.47E-03	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	481906.8	3768019	0.007465	0.007387	0.001356	0.000757
7431	481910.4	3768028	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	481910.4	3768028	0.007711	0.007633	0.001401	0.000782
7432	481913.9	3768037	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	481913.9	3768037	0.007961	0.007878	0.001447	0.000808
7433	481917.4	3768045	8.22E-03	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	481917.4	3768045	0.008218	0.008132	0.001493	0.000834
7434	481921	3768054	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	481921	3768054	0.00849	0.008401	0.001543	0.000861
7435	481924.5	3768063	8.77E-03	0.00E+00	0.00E+00	8.68E-03	0.00E+00	0.00E+00	1.59E-03	0										

7513	481896.5	3767956	5.87E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	481896.5	3767956	0.005866	0.005800	0.001066	0.000595
7514	481905.2	3767960	5.95E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	481905.2	3767960	0.005951	0.005888	0.001081	0.000604
7515	481917.6	3767972	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	481917.6	3767972	0.006225	0.006166	0.001131	0.000631
7516	481921.1	3767981	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	481921.1	3767981	0.006427	0.006366	0.001168	0.000652
7517	481924.7	3767990	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	481924.7	3767990	0.006634	0.006564	0.001205	0.000673
7518	481928.3	3767999	6.85E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	481928.3	3767999	0.006845	0.006774	0.001244	0.000694
7519	481931.9	3768007	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	481931.9	3768007	0.007064	0.006991	0.001284	0.000717
7520	481935.3	3768060	8.51E-03	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	481935.3	3768060	0.008508	0.008419	0.001546	0.000863
7521	481956.9	3768069	8.77E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	481956.9	3768069	0.008766	0.008674	0.001593	0.000889
7522	481960.5	3768078	9.03E-03	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.16E-04	0.00E+00	0.00E+00	481960.5	3768078	0.009025	0.008931	0.001644	0.000916
7523	481964.1	3768087	9.29E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	481964.1	3768087	0.009294	0.009196	0.001689	0.000943
7524	481967.6	3768095	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	481967.6	3768095	0.009566	0.009466	0.001738	0.000971
7525	481971.2	3768104	9.84E-03	0.00E+00	0.00E+00	9.74E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	481971.2	3768104	0.009843	0.009744	0.001789	0.000998
7526	481974.8	3768113	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	481974.8	3768113	0.010131	0.010025	0.001841	0.001028
7527	481978.4	3768122	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	481978.4	3768122	0.010421	0.010311	0.001893	0.001057
7528	481982	3768131	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	481982	3768131	0.010709	0.010597	0.001946	0.001086
7529	481985.5	3768139	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	481985.5	3768139	0.010999	0.010884	0.001998	0.001116
7530	481989.1	3768148	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	481989.1	3768148	0.011299	0.011181	0.002053	0.001146
7531	481992.7	3768157	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	481992.7	3768157	0.011601	0.011488	0.002108	0.001177
7532	481996.3	3768166	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	481996.3	3768166	0.011897	0.011773	0.002162	0.001207
7533	481999.8	3768175	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	481999.8	3768175	0.012182	0.012055	0.002213	0.001236
7534	482003.4	3768183	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	482003.4	3768183	0.012466	0.012336	0.002265	0.001265
7535	482007	3768192	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	482007	3768192	0.012748	0.012614	0.002316	0.001293
7536	482010.6	3768201	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	482010.6	3768201	0.013022	0.012884	0.002366	0.001321
7537	482014.2	3768210	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	482014.2	3768210	0.013281	0.013141	0.002413	0.001347
7538	482017.7	3768219	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	482017.7	3768219	0.013529	0.013388	0.002458	0.001372
7539	482021.3	3768227	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	482021.3	3768227	0.013765	0.013621	0.002501	0.001396
7540	482024.9	3768236	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	482024.9	3768236	0.013986	0.013844	0.002541	0.001419
7541	482028.5	3768245	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	482028.5	3768245	0.014193	0.014045	0.002579	0.001444
7542	482032	3768254	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	482032	3768254	0.014385	0.014235	0.002614	0.001459
7543	482035.6	3768263	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	482035.6	3768263	0.014558	0.014406	0.002645	0.001477
7544	482039.2	3768271	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	482039.2	3768271	0.014708	0.014555	0.002673	0.001492
7545	482042.8	3768280	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	482042.8	3768280	0.014835	0.014683	0.002696	0.001505
7546	482046.3	3768289	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	482046.3	3768289	0.014938	0.014782	0.002714	0.001515
7547	482049.9	3768298	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	482049.9	3768298	0.015016	0.014859	0.002728	0.001523
7548	482053.5	3768307	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	482053.5	3768307	0.015069	0.014911	0.002738	0.001529
7549	482057.1	3768315	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	482057.1	3768315	0.015096	0.014938	0.002743	0.001531
7550	482060.7	3768324	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	482060.7	3768324	0.015097	0.014939	0.002743	0.001531
7551	481433.6	3767801	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481433.6	3767801	0.002091	0.002069	0.000388	0.000212
7552	481437.2	3767809	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481437.2	3767809	0.002091	0.002069	0.000388	0.000212
7553	481440.8	3767817	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481440.8	3767817	0.002091	0.002069	0.000388	0.000212
7554	481444.4	3767825	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481444.4	3767825	0.002091	0.002069	0.000388	0.000212
7555	481448.0	3767833	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481448.0	3767833	0.002091	0.002069	0.000388	0.000212
7556	481451.6	3767841	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481451.6	3767841	0.002091	0.002069	0.000388	0.000212
7557	481455.2	3767849	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	481455.2	3767849	0.002091	0.002069	0.000388	0.000212
7558	481458.8	3767857	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3											

7647	482083.7	3768307	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	482083.7	3768307	0.014085	0.013938	0.002559	0.001429
7648	482087.3	3768316	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	482087.3	3768316	0.014087	0.013949	0.002561	0.00143
7649	482090.8	3768325	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	482090.8	3768325	0.014088	0.013937	0.002559	0.001429
7650	482094.3	3768333	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	482094.3	3768333	0.014048	0.013901	0.002552	0.001425
7661	481433.7	3767771	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	481433.7	3767771	0.001923	0.001903	0.000349	0.000195
7662	481424.2	3767771	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	481424.2	3767771	0.001901	0.001881	0.000345	0.000193
7663	481414.7	3767771	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	481414.7	3767771	0.001879	0.00186	0.000342	0.000191
7664	481405.2	3767771	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	481405.2	3767771	0.001859	0.001839	0.000338	0.000189
7665	481395.7	3767771	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	481395.7	3767771	0.001839	0.00182	0.000334	0.000187
7666	481386.2	3767771	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	481386.2	3767771	0.00182	0.001801	0.000331	0.000185
7667	481376.6	3767771	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	481376.6	3767771	0.001802	0.001783	0.000327	0.000183
7668	481367.1	3767771	1.78E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	481367.1	3767771	0.001784	0.001766	0.000324	0.000181
7669	481357.6	3767771	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	481357.6	3767771	0.001768	0.001749	0.000321	0.000179
7670	481348.1	3767771	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	481348.1	3767771	0.001752	0.001733	0.000318	0.000178
7671	481338.6	3767771	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	481338.6	3767771	0.001736	0.001718	0.000315	0.000176
7674	481572.6	3767760	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	481572.6	3767760	0.002241	0.002218	0.000407	0.000227
7675	481581.3	3767764	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	481581.3	3767764	0.002294	0.00227	0.000417	0.000233
7676	481590	3767767	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	481590	3767767	0.002348	0.002324	0.000427	0.000238
7677	481598.8	3767771	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	481598.8	3767771	0.002405	0.002379	0.000437	0.000244
7678	481607.5	3767775	2.46E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	481607.5	3767775	0.002462	0.002436	0.000447	0.00025
7679	481616.2	3767778	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	481616.2	3767778	0.002521	0.002495	0.000458	0.000256
7680	481624.9	3767782	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	481624.9	3767782	0.002582	0.002555	0.000469	0.000262
7681	481633.7	3767786	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	481633.7	3767786	0.002644	0.002617	0.00048	0.000268
7682	481642.4	3767789	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	481642.4	3767789	0.002708	0.00268	0.000492	0.000275
7683	481651.1	3767793	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	481651.1	3767793	0.002774	0.002745	0.000504	0.000281
7684	481659.9	3767797	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	481659.9	3767797	0.002841	0.002811	0.000516	0.000288
7685	481668.6	3767800	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	481668.6	3767800	0.00291	0.002879	0.000529	0.000295
7686	481677.3	3767804	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	481677.3	3767804	0.00298	0.002949	0.000541	0.000302
7687	481686	3767808	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	481686	3767808	0.003051	0.003019	0.000554	0.00031
7688	481721	3767822	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	481721	3767822	0.003224	0.00319	0.000586	0.000327
7689	481729.7	3767826	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	481729.7	3767826	0.003294	0.00326	0.000599	0.000334
7690	481738.4	3767830	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	481738.4	3767830	0.003363	0.003328	0.000611	0.000341
7691	481747.2	3767833	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	481747.2	3767833	0.003431	0.003395	0.000623	0.000348
7692	481755.9	3767837	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	481755.9	3767837	0.003499	0.003462	0.000636	0.000355
7693	481764.6	3767841	3.57E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	481764.6	3767841	0.00357	0.003532	0.000649	0.000362
7694	481773.3	3767844	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	481773.3	3767844	0.003642	0.003604	0.000662	0.000369
7695	481782.1	3767848	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	481782.1	3767848	0.003716	0.003677	0.000675	0.000377
7696	481790.8	3767852	3.79E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	481790.8	3767852	0.003794	0.003754	0.000689	0.000385
7697	481799.5	3767855	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	481799.5	3767855	0.00387	0.003829	0.000703	0.000393
7698	481808.3	3767859	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	481808.3	3767859	0.003945	0.003903	0.000717	0.0004
7699	481817	3767863	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	481817	3767863	0.004017	0.003975	0.00073	0.000407
7700	481825.7	3767866	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	481825.7	3767866	0.00409	0.004048	0.000743	0.000415
7701	481834.4	3767870	4.16E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	481834.4	3767870	0.004164	0.00412	0.000757	0.000422
7702	481843.2	3767874	4.24E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	481843.2	3767874	0.004238	0.004193	0.00077	0.00043
7703	481851.9	3767877	4.31E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	481851.9	3767877	0.004312	0.004267	0.000783	0.000437
7704	481860.6	3767881	4.39E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0									

UnMitigated						T2				T2L3				T4				
X	Y	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	
1	481605.36	3768323.64	0.000012252	1.3094E-06	0.00E+00	1.36E-05	1.21E-05	1.91E-06	0.00E+00	1.40E-05	2.23E-06	3.25E-07	0.00E+00	2.55E-06	1.24E-06	2.80E-07	0.00E+00	1.52E-06
2	481599.92	3768286.15	8.6163E-06	9.2082E-07	0.00E+00	9.54E-06	8.53E-06	1.34E-06	0.00E+00	9.87E-06	1.57E-06	2.28E-07	0.00E+00	1.79E-06	8.74E-07	1.97E-07	0.00E+00	1.07E-06
3	481603.47	3768294.88	9.3256E-06	9.9662E-07	0.00E+00	1.03E-05	9.23E-06	1.45E-06	0.00E+00	1.07E-05	1.69E-06	2.47E-07	0.00E+00	1.94E-06	9.46E-07	2.13E-07	0.00E+00	1.16E-06
4	481607.02	3768303.62	0.000010042	1.0732E-06	0.00E+00	1.11E-05	9.94E-06	1.56E-06	0.00E+00	1.15E-05	1.82E-06	2.66E-07	0.00E+00	2.09E-06	1.02E-06	2.30E-07	0.00E+00	1.25E-06
5	481610.58	3768312.36	0.000010745	1.1483E-06	0.00E+00	1.19E-05	1.06E-05	1.67E-06	0.00E+00	1.23E-05	1.95E-06	2.85E-07	0.00E+00	2.24E-06	1.09E-06	2.46E-07	0.00E+00	1.34E-06
6	481614.13	3768321.09	0.000011414	1.2198E-06	0.00E+00	1.26E-05	1.13E-05	1.77E-06	0.00E+00	1.31E-05	2.07E-06	3.02E-07	0.00E+00	2.38E-06	1.16E-06	2.61E-07	0.00E+00	1.42E-06
7	481610.31	3768287.58	8.4827E-06	9.0654E-07	0.00E+00	9.39E-06	8.39E-06	1.32E-06	0.00E+00	9.71E-06	1.54E-06	2.25E-07	0.00E+00	1.77E-06	8.60E-07	1.94E-07	0.00E+00	1.05E-06
8	481613.78	3768296.12	0.000009104	9.7295E-07	0.00E+00	1.01E-05	9.01E-06	1.42E-06	0.00E+00	1.04E-05	1.65E-06	2.41E-07	0.00E+00	1.90E-06	9.23E-07	2.08E-07	0.00E+00	1.13E-06
9	481617.26	3768304.66	9.7199E-06	1.0388E-06	0.00E+00	1.08E-05	9.62E-06	1.51E-06	0.00E+00	1.11E-05	1.77E-06	2.57E-07	0.00E+00	2.02E-06	9.86E-07	2.22E-07	0.00E+00	1.21E-06
10	481620.73	3768313.21	0.000010317	1.1026E-06	0.00E+00	1.14E-05	1.02E-05	1.60E-06	0.00E+00	1.18E-05	1.87E-06	2.73E-07	0.00E+00	2.15E-06	1.05E-06	2.36E-07	0.00E+00	1.28E-06
11	481624.2	3768321.75	0.000010877	1.1624E-06	0.00E+00	1.20E-05	1.08E-05	1.69E-06	0.00E+00	1.25E-05	1.98E-06	2.88E-07	0.00E+00	2.26E-06	1.10E-06	2.49E-07	0.00E+00	1.35E-06
12	481620.59	3768288.74	8.3038E-06	8.8742E-07	0.00E+00	9.19E-06	8.22E-06	1.29E-06	0.00E+00	9.51E-06	1.51E-06	2.20E-07	0.00E+00	1.73E-06	8.42E-07	1.90E-07	0.00E+00	1.03E-06
13	481624	3768297.13	8.8478E-06	9.4556E-07	0.00E+00	9.79E-06	8.76E-06	1.38E-06	0.00E+00	1.01E-05	1.61E-06	2.34E-07	0.00E+00	1.84E-06	8.98E-07	2.02E-07	0.00E+00	1.10E-06
14	481630.82	3768313.9	9.8891E-06	1.0568E-06	0.00E+00	1.09E-05	9.79E-06	1.54E-06	0.00E+00	1.13E-05	1.80E-06	2.62E-07	0.00E+00	2.06E-06	1.00E-06	2.26E-07	0.00E+00	1.23E-06
15	481627.43	3768281.44	7.6133E-06	8.1363E-07	0.00E+00	8.43E-06	7.53E-06	1.18E-06	0.00E+00	8.72E-06	1.38E-06	2.02E-07	0.00E+00	1.58E-06	7.72E-07	1.74E-07	0.00E+00	9.46E-07
16	481634.15	3768297.96	8.5764E-06	9.1656E-07	0.00E+00	9.49E-06	8.49E-06	1.33E-06	0.00E+00	9.82E-06	1.56E-06	2.27E-07	0.00E+00	1.79E-06	8.70E-07	1.96E-07	0.00E+00	1.07E-06

ID	X	Y	UnMitigated			T2			T2L3			T4		
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	481605.4	3768324	1.49E-02	6.73E-03	0.00E+00	1.48E-02	9.79E-03	0.00E+00	2.71E-03	1.67E-03	0.00E+00	1.51E-03	1.44E-03	0.00E+00
2	481599.9	3768286	1.05E-02	4.73E-03	0.00E+00	1.04E-02	6.88E-03	0.00E+00	1.91E-03	1.17E-03	0.00E+00	1.06E-03	1.01E-03	0.00E+00
3	481603.5	3768295	1.14E-02	5.12E-03	0.00E+00	1.12E-02	7.45E-03	0.00E+00	2.06E-03	1.27E-03	0.00E+00	1.15E-03	1.10E-03	0.00E+00
4	481607	3768304	1.22E-02	5.51E-03	0.00E+00	1.21E-02	8.02E-03	0.00E+00	2.22E-03	1.37E-03	0.00E+00	1.24E-03	1.18E-03	0.00E+00
5	481610.6	3768312	1.31E-02	5.90E-03	0.00E+00	1.29E-02	8.59E-03	0.00E+00	2.38E-03	1.46E-03	0.00E+00	1.33E-03	1.26E-03	0.00E+00
6	481614.1	3768321	1.39E-02	6.27E-03	0.00E+00	1.38E-02	9.12E-03	0.00E+00	2.53E-03	1.55E-03	0.00E+00	1.41E-03	1.34E-03	0.00E+00
7	481610.3	3768288	1.03E-02	4.66E-03	0.00E+00	1.02E-02	6.78E-03	0.00E+00	1.88E-03	1.15E-03	0.00E+00	1.05E-03	9.96E-04	0.00E+00
8	481613.8	3768296	1.11E-02	5.00E-03	0.00E+00	1.10E-02	7.27E-03	0.00E+00	2.01E-03	1.24E-03	0.00E+00	1.12E-03	1.07E-03	0.00E+00
9	481617.3	3768305	1.18E-02	5.34E-03	0.00E+00	1.17E-02	7.77E-03	0.00E+00	2.15E-03	1.32E-03	0.00E+00	1.20E-03	1.14E-03	0.00E+00
10	481620.7	3768313	1.26E-02	5.67E-03	0.00E+00	1.24E-02	8.24E-03	0.00E+00	2.28E-03	1.40E-03	0.00E+00	1.27E-03	1.21E-03	0.00E+00
11	481624.2	3768322	1.32E-02	5.97E-03	0.00E+00	1.31E-02	8.69E-03	0.00E+00	2.41E-03	1.48E-03	0.00E+00	1.34E-03	1.28E-03	0.00E+00
12	481620.6	3768289	1.01E-02	4.56E-03	0.00E+00	1.00E-02	6.64E-03	0.00E+00	1.84E-03	1.13E-03	0.00E+00	1.03E-03	9.75E-04	0.00E+00
13	481624	3768297	1.08E-02	4.86E-03	0.00E+00	1.07E-02	7.07E-03	0.00E+00	1.96E-03	1.20E-03	0.00E+00	1.09E-03	1.04E-03	0.00E+00
14	481630.8	3768314	1.20E-02	5.43E-03	0.00E+00	1.19E-02	7.90E-03	0.00E+00	2.19E-03	1.35E-03	0.00E+00	1.22E-03	1.16E-03	0.00E+00
15	481627.4	3768281	9.27E-03	4.18E-03	0.00E+00	9.17E-03	6.08E-03	0.00E+00	1.68E-03	1.04E-03	0.00E+00	9.40E-04	8.94E-04	0.00E+00
16	481634.2	3768298	1.04E-02	4.71E-03	0.00E+00	1.03E-02	6.85E-03	0.00E+00	1.90E-03	1.17E-03	0.00E+00	1.06E-03	1.01E-03	0.00E+00

UnMitigated				T2			T2L3			T4			UnMitigateT2				T2L3	T4		
ID	X	Y	7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	0.057724	0.05712	0.010488	0.005855		
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	X	Y	Yr 1	Yr 1	Yr 1	Yr 1
1	481605.4	3768324	7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	481320	3768235	0.015702	0.015538	0.002853	0.001593
2	481599.9	3768286	5.25E-02	0.00E+00	0.00E+00	5.19E-02	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	481291.6	3768236	0.015484	0.015322	0.002813	0.001571
3	481603.5	3768295	5.68E-02	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	481300.6	3768233	0.014996	0.014839	0.002725	0.001521
4	481607	3768304	6.11E-02	0.00E+00	0.00E+00	6.05E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	481309.7	3768229	0.014577	0.014424	0.002649	0.001479
5	481610.6	3768312	6.54E-02	0.00E+00	0.00E+00	6.47E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	481318.7	3768225	0.014212	0.014063	0.002582	0.001442
6	481614.1	3768321	6.95E-02	0.00E+00	0.00E+00	6.88E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	481327.7	3768222	0.013895	0.01375	0.002525	0.001409
7	481610.3	3768288	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	481266.1	3768237	0.015287	0.015127	0.002778	0.001551
8	481613.8	3768296	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	481274.9	3768233	0.014772	0.014618	0.002684	0.001498
9	481617.3	3768305	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	481283.7	3768230	0.014303	0.014153	0.002599	0.001451
10	481620.7	3768313	6.28E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	481292.6	3768226	0.013879	0.013734	0.002522	0.001408
11	481624.2	3768322	6.62E-02	0.00E+00	0.00E+00	6.55E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	481301.4	3768222	0.013504	0.013363	0.002454	0.00137
12	481620.6	3768289	5.06E-02	0.00E+00	0.00E+00	5.00E-02	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	481310.3	3768219	0.013178	0.01304	0.002394	0.001337
13	481624	3768297	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	481319.1	3768215	0.012892	0.012757	0.002343	0.001308
14	481630.8	3768314	6.02E-02	0.00E+00	0.00E+00	5.96E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	481328	3768212	0.012642	0.01251	0.002297	0.001282
15	481627.4	3768281	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	481241.3	3768237	0.015103	0.014945	0.002744	0.001532
16	481634.2	3768298	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	481250	3768234	0.014585	0.014433	0.00265	0.001479

ID	X	Y	UnMitigated			T2			T2L3			T4		
			8.20E-01	0.00E+00	0.00E+00	8.12E-01	0.00E+00	0.00E+00	1.49E-01	0.00E+00	0.00E+00	8.32E-02	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	481326.4	3768346	1.53E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
2	481326.3	3768356	2.12E-01	0.00E+00	0.00E+00	2.10E-01	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00
3	481326.2	3768366	2.75E-01	0.00E+00	0.00E+00	2.72E-01	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00
4	481326.1	3768376	3.35E-01	0.00E+00	0.00E+00	3.31E-01	0.00E+00	0.00E+00	6.09E-02	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00
5	481326	3768385	4.00E-01	0.00E+00	0.00E+00	3.96E-01	0.00E+00	0.00E+00	7.27E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00
6	481325.9	3768395	4.66E-01	0.00E+00	0.00E+00	4.61E-01	0.00E+00	0.00E+00	8.47E-02	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00
7	481325.8	3768405	5.22E-01	0.00E+00	0.00E+00	5.17E-01	0.00E+00	0.00E+00	9.48E-02	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00
8	481325.7	3768415	5.67E-01	0.00E+00	0.00E+00	5.61E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	5.75E-02	0.00E+00	0.00E+00
9	481325.6	3768425	6.12E-01	0.00E+00	0.00E+00	6.05E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	6.21E-02	0.00E+00	0.00E+00
10	481325.5	3768435	6.68E-01	0.00E+00	0.00E+00	6.61E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	6.78E-02	0.00E+00	0.00E+00
11	481325.4	3768445	7.78E-01	0.00E+00	0.00E+00	7.70E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00
12	481316.4	3768356	1.82E-01	0.00E+00	0.00E+00	1.80E-01	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00
13	481316.3	3768365	2.29E-01	0.00E+00	0.00E+00	2.26E-01	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00
14	481316.2	3768375	2.78E-01	0.00E+00	0.00E+00	2.75E-01	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00
15	481316.1	3768385	3.28E-01	0.00E+00	0.00E+00	3.25E-01	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00
16	481316	3768395	3.78E-01	0.00E+00	0.00E+00	3.74E-01	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00
17	481315.9	3768405	4.24E-01	0.00E+00	0.00E+00	4.20E-01	0.00E+00	0.00E+00	7.71E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00
18	481315.8	3768415	4.67E-01	0.00E+00	0.00E+00	4.63E-01	0.00E+00	0.00E+00	8.49E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00
19	481315.7	3768425	5.13E-01	0.00E+00	0.00E+00	5.08E-01	0.00E+00	0.00E+00	9.33E-02	0.00E+00	0.00E+00	5.21E-02	0.00E+00	0.00E+00
20	481315.6	3768435	5.75E-01	0.00E+00	0.00E+00	5.69E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00
21	481315.5	3768445	7.00E-01	0.00E+00	0.00E+00	6.93E-01	0.00E+00	0.00E+00	1.27E-01	0.00E+00	0.00E+00	7.10E-02	0.00E+00	0.00E+00
22	481322.5	3768322	7.13E-02	0.00E+00	0.00E+00	7.06E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00
23	481306.6	3768355	1.60E-01	0.00E+00	0.00E+00	1.59E-01	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00
24	481306.5	3768365	1.98E-01	0.00E+00	0.00E+00	1.96E-01	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00
25	481306.4	3768375	2.38E-01	0.00E+00	0.00E+00	2.36E-01	0.00E+00	0.00E+00	4.33E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00
26	481306.3	3768385	2.80E-01	0.00E+00	0.00E+00	2.77E-01	0.00E+00	0.00E+00	5.08E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00
27	481306.2	3768395	3.21E-01	0.00E+00	0.00E+00	3.17E-01	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00
28	481306.1	3768405	3.61E-01	0.00E+00	0.00E+00	3.57E-01	0.00E+00	0.00E+00	6.56E-02	0.00E+00	0.00E+00	3.66E-02	0.00E+00	0.00E+00
29	481306	3768415	4.01E-01	0.00E+00	0.00E+00	3.97E-01	0.00E+00	0.00E+00	7.29E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00
30	481305.9	3768425	4.47E-01	0.00E+00	0.00E+00	4.43E-01	0.00E+00	0.00E+00	8.13E-02	0.00E+00	0.00E+00	4.54E-02	0.00E+00	0.00E+00
31	481305.8	3768435	5.13E-01	0.00E+00	0.00E+00	5.08E-01	0.00E+00	0.00E+00	9.32E-02	0.00E+00	0.00E+00	5.20E-02	0.00E+00	0.00E+00
32	481305.7	3768445	6.45E-01	0.00E+00	0.00E+00	6.38E-01	0.00E+00	0.00E+00	1.17E-01	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00
33	481305.7	3768325	7.29E-02	0.00E+00	0.00E+00	7.22E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00
34	481315.5	3768315	5.86E-02	0.00E+00	0.00E+00	5.80E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00
35	481329.4	3768309	5.26E-02	0.00E+00	0.00E+00	5.21E-02	0.00E+00	0.00E+00	9.56E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00
36	481296.8	3768355	1.44E-01	0.00E+00	0.00E+00	1.42E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
37	481296.7	3768365	1.75E-01	0.00E+00	0.00E+00	1.74E-01	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00
38	481296.6	3768375	2.09E-01	0.00E+00	0.00E+00	2.07E-01	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00
39	481296.5	3768385	2.44E-01	0.00E+00	0.00E+00	2.41E-01	0.00E+00	0.00E+00	4.43E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00
40	481296.4	3768395	2.79E-01	0.00E+00	0.00E+00	2.76E-01	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00
41	481296.3	3768405	3.15E-01	0.00E+00	0.00E+00	3.11E-01	0.00E+00	0.00E+00	5.72E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00
42	481296.2	3768415	3.53E-01	0.00E+00	0.00E+00	3.49E-01	0.00E+00	0.00E+00	6.41E-02	0.00E+00	0.00E+00	3.58E-02	0.00E+00	0.00E+00
43	481296.1	3768425	3.99E-01	0.00E+00	0.00E+00	3.95E-01	0.00E+00	0.00E+00	7.24E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00
44	481296	3768435	4.66E-01	0.00E+00	0.00E+00	4.62E-01	0.00E+00	0.00E+00	8.47E-02	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00
45	481295.9	3768445	6.01E-01	0.00E+00	0.00E+00	5.95E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	6.10E-02	0.00E+00	0.00E+00
46	481298	3768319	6.25E-02	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00
47	481310.4	3768307	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
48	481319.1	3768304	4.55E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
49	481327.7	3768300	4.29E-02	0.00E+00	0.00E+00	4.24E-02	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00
50	481287	3768345	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
51	481286.9	3768355	1.31E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
52	481286.8	3768365	1.57E-01	0.00E+00	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00
53	481286.7	3768375	1.86E-01	0.00E+00	0.00E+00	1.84E-01	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00
54	481286.6	3768385	2.16E-01	0.00E+00	0.00E+00	2.14E-01	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00
55	481286.5	3768395	2.47E-01	0.00E+00	0.00E+00	2.44E-01	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00
56	481286.4	3768405	2.79E-01	0.00E+00	0.00E+00	2.76E-01	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00
57	481286.3	3768415	3.15E-01	0.00E+00	0.00E+00	3.12E-01	0.00E+00	0.00E+00	5.73E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00
58	481286.2	3768425	3.60E-01	0.00E+00	0.00E+00	3.56E-01	0.00E+00	0.00E+00	6.55E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00
59	481286.1	3768435	4.29E-01	0.00E+00	0.00E+00	4.24E-01	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00
60	481286	3768445	5.65E-01	0.00E+00	0.00E+00	5.59E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	5.73E-02	0.00E+00	0.00E+00
61	481291.3	3768312	5.21E-02	0.00E+00	0.00E+00	5.15E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00
62	481303.1	3768300	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
63														

89	481267.6	3768321	5.89E-02	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00
90	481274.3	3768306	4.40E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00
91	481288.9	3768287	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
92	481304.8	3768280	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
93	481320.7	3768274	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
94	481257.4	3768355	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00
95	481257.3	3768365	1.21E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
96	481257.2	3768375	1.40E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00
97	481257.1	3768385	1.60E-01	0.00E+00	0.00E+00	1.59E-01	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00
98	481257	3768395	1.82E-01	0.00E+00	0.00E+00	1.81E-01	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00
99	481256.9	3768405	2.07E-01	0.00E+00	0.00E+00	2.05E-01	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00
100	481256.8	3768415	2.37E-01	0.00E+00	0.00E+00	2.34E-01	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00
101	481256.7	3768425	2.77E-01	0.00E+00	0.00E+00	2.74E-01	0.00E+00	0.00E+00	5.04E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00
102	481256.6	3768434	3.42E-01	0.00E+00	0.00E+00	3.38E-01	0.00E+00	0.00E+00	6.21E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00
103	481256.5	3768444	4.74E-01	0.00E+00	0.00E+00	4.69E-01	0.00E+00	0.00E+00	8.61E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00
104	481259	3768318	5.39E-02	0.00E+00	0.00E+00	5.34E-02	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00
105	481262.8	3768309	4.61E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
106	481266.5	3768301	3.94E-02	0.00E+00	0.00E+00	3.90E-02	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00
107	481270.3	3768292	3.37E-02	0.00E+00	0.00E+00	3.34E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
108	481283	3768279	2.75E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
109	481291.9	3768275	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
110	481300.9	3768272	2.49E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
111	481309.8	3768268	2.38E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
112	481318.7	3768265	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
113	481327.7	3768261	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
114	481247.6	3768355	9.66E-02	0.00E+00	0.00E+00	9.56E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00
115	481247.5	3768365	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
116	481247.4	3768375	1.29E-01	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00
117	481247.3	3768385	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
118	481247.2	3768395	1.68E-01	0.00E+00	0.00E+00	1.66E-01	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00
119	481247.1	3768405	1.90E-01	0.00E+00	0.00E+00	1.88E-01	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00
120	481247	3768414	2.18E-01	0.00E+00	0.00E+00	2.15E-01	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00
121	481246.9	3768424	2.55E-01	0.00E+00	0.00E+00	2.53E-01	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00
122	481246.8	3768434	3.17E-01	0.00E+00	0.00E+00	3.14E-01	0.00E+00	0.00E+00	5.76E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00
123	481246.7	3768444	4.44E-01	0.00E+00	0.00E+00	4.39E-01	0.00E+00	0.00E+00	8.06E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00
124	481248.8	3768319	5.28E-02	0.00E+00	0.00E+00	5.22E-02	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00
125	481252.5	3768310	4.57E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
126	481256.2	3768302	3.94E-02	0.00E+00	0.00E+00	3.90E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00
127	481259.8	3768293	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
128	481263.5	3768284	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
129	481275.8	3768272	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
130	481284.5	3768269	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
131	481293.2	3768265	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
132	481301.9	3768262	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
133	481310.6	3768258	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
134	481319.3	3768254	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
135	481327.9	3768251	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
136	481237.7	3768355	9.08E-02	0.00E+00	0.00E+00	8.98E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00
137	481237.6	3768365	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
138	481237.5	3768375	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
139	481237.4	3768385	1.37E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00
140	481237.3	3768394	1.55E-01	0.00E+00	0.00E+00	1.53E-01	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00
141	481237.2	3768404	1.75E-01	0.00E+00	0.00E+00	1.74E-01	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00
142	481237.1	3768414	2.00E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
143	481237	3768424	2.35E-01	0.00E+00	0.00E+00	2.32E-01	0.00E+00	0.00E+00	4.27E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00
144	481236.9	3768434	2.91E-01	0.00E+00	0.00E+00	2.88E-01	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00
145	481236.8	3768444	4.09E-01	0.00E+00	0.00E+00	4.05E-01	0.00E+00	0.00E+00	7.44E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00
146	481238.8	3768319	5.14E-02	0.00E+00	0.00E+00	5.09E-02	0.00E+00	0.00E+00	9.34E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00
147	481245.9	3768302	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
148	481249.5	3768294	3.42E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00
149	481253.1	3768286	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
150	481268.7	3768265	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
151	481277.2	3768262	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
152	481285.7	3768258	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.0			

181	481217.7	3768394	1.34E-01	0.00E+00	0.00E+00	1.33E-01	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
182	481217.6	3768404	1.52E-01	0.00E+00	0.00E+00	1.50E-01	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00
183	481217.5	3768414	1.73E-01	0.00E+00	0.00E+00	1.71E-01	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00
184	481217.4	3768424	2.00E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
185	481217.3	3768434	2.43E-01	0.00E+00	0.00E+00	2.40E-01	0.00E+00	0.00E+00	4.41E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00
186	481217.2	3768444	3.23E-01	0.00E+00	0.00E+00	3.20E-01	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00
187	481219.8	3768318	4.69E-02	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00
188	481223.6	3768309	4.11E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00
189	481227.4	3768300	3.59E-02	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
190	481231.2	3768291	3.14E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
191	481235	3768282	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
192	481238.8	3768273	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
193	481242.6	3768264	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
194	481255.5	3768251	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
195	481264.5	3768247	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
196	481273.5	3768244	1.66E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
197	481282.6	3768240	1.60E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
203	481208.2	3768354	7.67E-02	0.00E+00	0.00E+00	7.59E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00
204	481208.1	3768364	8.74E-02	0.00E+00	0.00E+00	8.65E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00
205	481208	3768374	9.91E-02	0.00E+00	0.00E+00	9.81E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
206	481207.9	3768384	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
207	481207.8	3768394	1.26E-01	0.00E+00	0.00E+00	1.25E-01	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00
208	481207.7	3768404	1.42E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00
209	481207.6	3768414	1.62E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
210	481207.5	3768424	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00
211	481207.4	3768434	2.26E-01	0.00E+00	0.00E+00	2.24E-01	0.00E+00	0.00E+00	4.11E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00
212	481207.3	3768444	2.89E-01	0.00E+00	0.00E+00	2.86E-01	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00
213	481209.7	3768318	4.57E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00
214	481213.4	3768309	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
215	481217.1	3768300	3.56E-02	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00
216	481220.9	3768292	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
217	481224.6	3768283	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
218	481228.3	3768274	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
219	481232.1	3768265	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
220	481235.8	3768256	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
221	481248.4	3768244	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
222	481257.2	3768240	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
231	481198.4	3768354	7.31E-02	0.00E+00	0.00E+00	7.23E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00
232	481198.3	3768364	8.30E-02	0.00E+00	0.00E+00	8.22E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00
233	481198.2	3768374	9.39E-02	0.00E+00	0.00E+00	9.29E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00
234	481198.1	3768384	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00
235	481198	3768394	1.19E-01	0.00E+00	0.00E+00	1.18E-01	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00
236	481197.9	3768404	1.34E-01	0.00E+00	0.00E+00	1.33E-01	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
237	481197.8	3768414	1.53E-01	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00
238	481197.7	3768424	1.77E-01	0.00E+00	0.00E+00	1.75E-01	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00
239	481197.6	3768434	2.11E-01	0.00E+00	0.00E+00	2.08E-01	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00
240	481197.5	3768444	2.56E-01	0.00E+00	0.00E+00	2.53E-01	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00
241	481199.6	3768318	4.46E-02	0.00E+00	0.00E+00	4.41E-02	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00
242	481203.3	3768310	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
243	481207	3768301	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
244	481210.6	3768293	3.12E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
245	481214.3	3768284	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
246	481218	3768275	2.44E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
247	481221.6	3768267	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
248	481225.3	3768258	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
249	481229	3768249	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
261	481188.6	3768354	6.98E-02	0.00E+00	0.00E+00	6.91E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00
262	481188.5	3768364	7.91E-02	0.00E+00	0.00E+00	7.83E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00
263	481188.4	3768374	8.92E-02	0.00E+00	0.00E+00	8.83E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00
264	481188.3	3768384	1.00E-01	0.00E+00	0.00E+00	9.94E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
265	481188.2	3768394	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
266	481188.1	3768404	1.27E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00
267	481188	3768414	1.45E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00
268	481187.9	3768424	1.67E-01	0.00E+00	0.00E+00	1.65E-01	0.00E+00	0.00E+00	3.04E-02	0.00E+00</				

308	481199.6	3768272	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
309	481203.5	3768263	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
310	481207.3	3768254	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
311	481211.1	3768245	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
325	481168.9	3768354	6.41E-02	0.00E+00	0.00E+00	6.34E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00
326	481168.8	3768364	7.22E-02	0.00E+00	0.00E+00	7.15E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00
327	481168.7	3768374	8.12E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00
328	481168.6	3768384	9.11E-02	0.00E+00	0.00E+00	9.02E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	9.24E-03	0.00E+00	0.00E+00
329	481168.5	3768394	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
330	481168.4	3768404	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
331	481168.3	3768414	1.30E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
332	481168.2	3768424	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
333	481168.1	3768434	1.68E-01	0.00E+00	0.00E+00	1.67E-01	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00
334	481168	3768443	1.91E-01	0.00E+00	0.00E+00	1.89E-01	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00
335	481170.4	3768317	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
336	481174.2	3768308	3.62E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
337	481178	3768300	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
338	481181.7	3768291	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
339	481185.5	3768282	2.58E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
340	481189.3	3768273	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
341	481193.1	3768264	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
342	481196.8	3768255	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
343	481200.6	3768246	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
359	481159	3768354	6.16E-02	0.00E+00	0.00E+00	6.09E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00
360	481158.9	3768364	6.92E-02	0.00E+00	0.00E+00	6.85E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00
361	481158.8	3768374	7.77E-02	0.00E+00	0.00E+00	7.68E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00
362	481158.7	3768384	8.70E-02	0.00E+00	0.00E+00	8.61E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00
363	481158.6	3768394	9.76E-02	0.00E+00	0.00E+00	9.66E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00
364	481158.5	3768404	1.10E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00
365	481158.4	3768414	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
366	481158.3	3768424	1.39E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
367	481158.2	3768433	1.57E-01	0.00E+00	0.00E+00	1.55E-01	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00
368	481158.1	3768443	1.75E-01	0.00E+00	0.00E+00	1.73E-01	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00
369	481160.4	3768318	3.94E-02	0.00E+00	0.00E+00	3.90E-02	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00
370	481164.1	3768309	3.55E-02	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
371	481167.9	3768300	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
372	481171.6	3768291	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
373	481175.3	3768283	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00
374	481179	3768274	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
375	481182.7	3768265	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
376	481186.4	3768256	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
377	481190.1	3768248	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
395	481149.2	3768354	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
396	481149.1	3768364	6.64E-02	0.00E+00	0.00E+00	6.58E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00
397	481149	3768374	7.44E-02	0.00E+00	0.00E+00	7.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00
398	481148.9	3768384	8.33E-02	0.00E+00	0.00E+00	8.24E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00
399	481148.8	3768394	9.32E-02	0.00E+00	0.00E+00	9.22E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00
400	481148.7	3768404	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
401	481148.6	3768413	1.17E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
402	481148.5	3768423	1.31E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
403	481148.4	3768433	1.46E-01	0.00E+00	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00
404	481148.3	3768443	1.62E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
405	481150.5	3768318	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00
406	481154.1	3768309	3.48E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00
407	481157.8	3768301	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
408	481161.4	3768292	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
409	481165.1	3768283	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
410	481168.8	3768275	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
411	481172.4	3768266	2.07E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
412	481176.1	3768257	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
413	481179.8	3768249	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
414	481183.4	3768240	1.52E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
433	481145	3768307	3.33E-02	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00
434	481148.9	3768298	3.00E-02	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+0				

524	481109.7	3768363	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
525	481109.6	3768373	6.37E-02	0.00E+00	0.00E+00	6.30E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00
526	481109.5	3768383	7.07E-02	0.00E+00	0.00E+00	6.99E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
527	481109.4	3768393	7.83E-02	0.00E+00	0.00E+00	7.74E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00
528	481109.3	3768403	8.65E-02	0.00E+00	0.00E+00	8.55E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00
529	481109.2	3768413	9.52E-02	0.00E+00	0.00E+00	9.42E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00
530	481109.1	3768423	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
531	481109	3768433	1.14E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
532	481108.9	3768443	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
533	481107.5	3768326	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
534	481111.2	3768317	3.45E-02	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
535	481114.9	3768309	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
536	481118.6	3768300	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
537	481122.3	3768291	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
563	481100	3768353	4.98E-02	0.00E+00	0.00E+00	4.93E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00
564	481099.9	3768363	5.53E-02	0.00E+00	0.00E+00	5.47E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00
565	481099.8	3768373	6.14E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
566	481099.7	3768383	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00
567	481099.6	3768393	7.50E-02	0.00E+00	0.00E+00	7.43E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00
568	481099.5	3768403	8.27E-02	0.00E+00	0.00E+00	8.18E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00
569	481099.4	3768413	9.07E-02	0.00E+00	0.00E+00	8.98E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00
570	481099.3	3768423	9.91E-02	0.00E+00	0.00E+00	9.80E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
571	481099.2	3768433	1.08E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
572	481099.1	3768443	1.16E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
573	481098	3768325	3.65E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00
574	481101.8	3768316	3.33E-02	0.00E+00	0.00E+00	3.29E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00
575	481105.7	3768307	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
576	481109.6	3768298	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
577	481113.4	3768289	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
578	481117.3	3768280	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
579	481121.1	3768271	2.06E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
580	481125	3768262	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
603	481090.2	3768353	4.82E-02	0.00E+00	0.00E+00	4.77E-02	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00
604	481090.1	3768363	5.34E-02	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00
605	481090	3768373	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
606	481089.9	3768383	6.53E-02	0.00E+00	0.00E+00	6.47E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00
607	481089.8	3768393	7.20E-02	0.00E+00	0.00E+00	7.13E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00
608	481089.7	3768403	7.91E-02	0.00E+00	0.00E+00	7.83E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00
609	481089.6	3768413	8.65E-02	0.00E+00	0.00E+00	8.56E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00
610	481089.5	3768423	9.42E-02	0.00E+00	0.00E+00	9.32E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.56E-03	0.00E+00	0.00E+00
611	481089.4	3768433	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
612	481089.3	3768443	1.10E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00
613	481088.1	3768325	3.56E-02	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00
614	481091.9	3768316	3.26E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
615	481095.7	3768307	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
616	481099.5	3768298	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
617	481103.3	3768289	2.47E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
618	481107.1	3768280	2.25E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
619	481110.9	3768271	2.05E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
620	481114.7	3768262	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
621	481118.5	3768253	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
622	481122.3	3768244	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
645	481080.3	3768353	4.67E-02	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	8.49E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00
646	481080.2	3768363	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
647	481080.1	3768373	5.71E-02	0.00E+00	0.00E+00	5.65E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00
648	481080	3768383	6.29E-02	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00
649	481079.9	3768393	6.91E-02	0.00E+00	0.00E+00	6.84E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00
650	481079.8	3768403	7.57E-02	0.00E+00	0.00E+00	7.49E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00
651	481079.7	3768413	8.26E-02	0.00E+00	0.00E+00	8.17E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00
652	481079.6	3768423	8.97E-02	0.00E+00	0.00E+00	8.87E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00
653	481079.5	3768433	9.68E-02	0.00E+00	0.00E+00	9.57E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00
654	481079.4	3768443	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00
655	481078.1	3768325	3.48E-02	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00
656	481081.9	3768316	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+0				

705	481090.6	3768273	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
706	481094.3	3768264	1.84E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
707	481098.1	3768255	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
708	481101.8	3768246	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
709	481105.5	3768238	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
710	481109.2	3768229	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
711	481113	3768220	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
712	481116.7	3768211	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
713	481120.4	3768202	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
714	481124.2	3768194	9.46E-03	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00
736	481060.7	3768353	4.40E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00
737	481060.6	3768363	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
738	481060.5	3768373	5.33E-02	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00
739	481060.4	3768383	5.84E-02	0.00E+00	0.00E+00	5.78E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00
740	481060.3	3768393	6.38E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
741	481060.2	3768403	6.95E-02	0.00E+00	0.00E+00	6.88E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00
742	481060.1	3768413	7.55E-02	0.00E+00	0.00E+00	7.47E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00
743	481060	3768423	8.15E-02	0.00E+00	0.00E+00	8.07E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00
744	481059.9	3768432	8.76E-02	0.00E+00	0.00E+00	8.67E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00
745	481059.8	3768442	9.36E-02	0.00E+00	0.00E+00	9.26E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00
746	481058.6	3768325	3.29E-02	0.00E+00	0.00E+00	3.26E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00
747	481062.5	3768316	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
748	481066.4	3768307	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
749	481070.2	3768297	2.54E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00
750	481074.1	3768288	2.33E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
751	481078	3768279	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
752	481081.8	3768270	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
753	481085.7	3768261	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
754	481089.6	3768252	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
755	481093.4	3768243	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
756	481097.3	3768234	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
757	481101.1	3768225	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
758	481105	3768215	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
759	481108.9	3768206	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
760	481112.7	3768197	9.72E-03	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00
761	481116.6	3768188	9.02E-03	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00
785	481050.8	3768353	4.27E-02	0.00E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00
786	481050.7	3768363	4.69E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
787	481050.6	3768373	5.15E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
788	481050.5	3768383	5.64E-02	0.00E+00	0.00E+00	5.58E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00
789	481050.4	3768393	6.15E-02	0.00E+00	0.00E+00	6.08E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00
790	481050.3	3768403	6.68E-02	0.00E+00	0.00E+00	6.61E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
791	481050.2	3768412	7.23E-02	0.00E+00	0.00E+00	7.15E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00
792	481050.1	3768422	7.79E-02	0.00E+00	0.00E+00	7.71E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00
793	481050	3768432	8.36E-02	0.00E+00	0.00E+00	8.27E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00
794	481049.9	3768442	8.91E-02	0.00E+00	0.00E+00	8.82E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00
795	481048.7	3768325	3.22E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
796	481052.5	3768316	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
797	481056.4	3768307	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
798	481060.2	3768298	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
799	481064	3768289	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
800	481067.8	3768280	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
801	481071.7	3768271	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
802	481075.5	3768262	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
803	481079.3	3768253	1.61E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
804	481083.1	3768244	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
805	481087	3768235	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
806	481090.8	3768226	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
807	481094.6	3768217	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
808	481098.4	3768208	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
809	481102.2	3768199	9.80E-03	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00
810	481106.1	3768190	9.10E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
811	481109.9	3768181	8.48E-03	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00
837	481041	3768353	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
838	48104													

891	481031	3768363	4.41E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
892	481030.9	3768373	4.82E-02	0.00E+00	0.00E+00	4.77E-02	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00
893	481030.8	3768382	5.25E-02	0.00E+00	0.00E+00	5.20E-02	0.00E+00	0.00E+00	9.55E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00
894	481030.7	3768392	5.70E-02	0.00E+00	0.00E+00	5.65E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00
895	481030.6	3768402	6.17E-02	0.00E+00	0.00E+00	6.11E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00
896	481030.5	3768412	6.66E-02	0.00E+00	0.00E+00	6.59E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00
897	481030.4	3768422	7.15E-02	0.00E+00	0.00E+00	7.07E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00
898	481030.3	3768432	7.64E-02	0.00E+00	0.00E+00	7.56E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	7.75E-03	0.00E+00	0.00E+00
899	481030.2	3768442	8.11E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00
900	481008.9	3768324	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
901	481012.8	3768315	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
902	481016.6	3768306	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
903	481020.4	3768297	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
904	481024.3	3768288	2.14E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
905	481028.1	3768279	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
906	481031.9	3768270	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
907	481035.8	3768261	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
908	481039.6	3768252	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
909	481043.5	3768243	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
910	481047.3	3768234	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
911	481051.1	3768225	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
912	481055	3768216	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
913	481058.8	3768207	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
914	481062.7	3768198	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00
915	481066.5	3768189	8.90E-03	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00
916	481070.3	3768180	8.30E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00
947	481001.1	3768352	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
948	481001	3768362	4.02E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
949	481000.9	3768372	4.37E-02	0.00E+00	0.00E+00	4.32E-02	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00
950	481000.8	3768382	4.73E-02	0.00E+00	0.00E+00	4.68E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00
951	481000.7	3768392	5.11E-02	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
952	481000.6	3768402	5.51E-02	0.00E+00	0.00E+00	5.45E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00
953	481000.5	3768412	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00
954	481000.4	3768422	6.31E-02	0.00E+00	0.00E+00	6.25E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
955	481000.3	3768432	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00
956	480978.7	3768324	2.73E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
957	480982.5	3768316	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
958	480986.2	3768307	2.37E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
959	480990	3768298	2.21E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
960	480993.7	3768289	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
961	480997.5	3768280	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
962	481001.2	3768271	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
963	481005	3768263	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
964	481008.7	3768254	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
965	481012.5	3768245	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
966	481016.2	3768236	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
967	481020	3768227	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
968	481023.7	3768218	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
969	481027.5	3768210	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
970	481031.2	3768201	9.65E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
971	481035	3768192	9.00E-03	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00
972	481038.7	3768183	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
1009	480971.1	3768352	3.40E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
1010	480971	3768362	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
1011	480970.9	3768372	3.98E-02	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00
1012	480970.8	3768382	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00
1013	480970.7	3768392	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
1014	480970.6	3768402	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	8.99E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00
1015	480970.5	3768412	5.28E-02	0.00E+00	0.00E+00	5.23E-02	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00
1016	480970.4	3768422	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
1017	480948.8	3768324	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
1018	480952.6	3768315	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
1019	480956.4	3768306	2.23E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
1020	480960.2	3768297	2.08E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03					

1088	480945.8	3768260	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
1089	480949.6	3768251	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
1090	480953.4	3768242	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
1091	480957.3	3768233	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
1092	480961.1	3768224	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1093	480965	3768215	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
1094	480968.8	3768206	9.67E-03	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00
1095	480972.6	3768197	9.03E-03	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.16E-04	0.00E+00	0.00E+00
1096	480976.5	3768188	8.45E-03	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00
1097	480980.3	3768179	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00
1124	480911.1	3768351	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00
1125	480911	3768361	3.12E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
1126	480910.9	3768371	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
1127	480910.8	3768381	3.58E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00
1128	480910.7	3768391	3.81E-02	0.00E+00	0.00E+00	3.77E-02	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00
1129	480910.6	3768401	4.06E-02	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00
1130	480910.2	3768441	5.05E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
1131	480889	3768323	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
1132	480892.9	3768314	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
1133	480896.7	3768305	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
1134	480900.6	3768296	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
1135	480904.5	3768286	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
1136	480908.4	3768277	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
1137	480912.2	3768268	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
1138	480916.1	3768259	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
1139	480920	3768250	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
1140	480923.8	3768241	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
1141	480927.7	3768232	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
1142	480931.6	3768223	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1143	480935.5	3768213	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
1144	480939.3	3768204	9.36E-03	0.00E+00	0.00E+00	9.26E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00
1145	480943.2	3768195	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
1146	480947.1	3768186	8.21E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
1180	480881.1	3768351	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
1181	480881	3768361	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
1182	480880.9	3768371	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
1183	480880.8	3768381	3.28E-02	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00
1184	480880.7	3768391	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
1185	480880.2	3768441	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
1186	480858.9	3768323	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
1187	480862.7	3768314	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
1188	480866.5	3768305	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
1189	480870.3	3768296	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
1190	480874.1	3768287	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
1191	480877.9	3768278	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
1192	480881.7	3768269	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
1193	480885.5	3768260	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
1194	480889.3	3768251	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
1195	480893.1	3768242	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
1196	480896.9	3768233	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
1197	480900.7	3768224	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
1198	480904.5	3768215	9.91E-03	0.00E+00	0.00E+00	9.81E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
1199	480908.3	3768207	9.30E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00
1200	480912.1	3768198	8.73E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00
1201	480915.9	3768189	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
1202	480919.7	3768180	7.72E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00
1203	480923.5	3768171	7.27E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
1204	480927.3	3768162	6.85E-03	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00
1205	480931.1	3768153	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
1252	480851.1	3768351	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
1253	480851	3768361	2.67E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00
1254	480850.9	3768371	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
1255	480850.8	3768381	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
1256	480850.7	3768391	3.21E-02	0.00E+00	0.00E+00									

1325	480821.2	3768351	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
1326	480821.1	3768360	2.48E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
1327	480821	3768370	2.64E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00
1328	480820.9	3768380	2.79E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
1329	480820.5	3768420	3.45E-02	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
1330	480820.4	3768430	3.62E-02	0.00E+00	0.00E+00	3.58E-02	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00
1331	480820.3	3768440	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
1332	480795.1	3768331	1.96E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
1333	480799	3768322	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
1334	480802.8	3768313	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
1335	480806.7	3768304	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
1336	480810.6	3768295	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
1337	480814.4	3768286	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
1338	480818.3	3768277	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
1339	480822.2	3768267	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
1340	480826	3768258	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
1341	480829.9	3768249	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
1342	480833.8	3768240	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
1343	480837.6	3768231	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
1344	480841.5	3768222	9.81E-03	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00
1345	480845.4	3768213	9.23E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
1346	480849.2	3768204	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
1347	480853.1	3768195	8.18E-03	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00
1348	480857	3768185	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
1349	480860.8	3768176	7.27E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
1350	480864.7	3768167	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00
1351	480868.6	3768158	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
1352	480872.4	3768149	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
1353	480876.3	3768140	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
1354	480880.2	3768131	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
1355	480884	3768122	5.25E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
1356	480887.9	3768113	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00
1404	480791.2	3768350	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
1405	480791.1	3768360	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
1406	480791	3768370	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
1407	480790.9	3768380	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
1408	480790.5	3768420	3.17E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
1409	480790.4	3768430	3.32E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00
1410	480790.3	3768440	3.46E-02	0.00E+00	0.00E+00	3.43E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00
1411	480765.1	3768331	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
1412	480768.9	3768322	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
1413	480772.7	3768313	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
1414	480776.5	3768304	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
1415	480780.3	3768295	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
1416	480784.1	3768286	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
1417	480787.9	3768277	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
1418	480791.7	3768268	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
1419	480795.5	3768259	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
1420	480799.3	3768250	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
1421	480803.1	3768241	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1422	480806.9	3768232	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
1423	480810.7	3768223	9.62E-03	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00
1424	480814.5	3768214	9.08E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00
1425	480818.3	3768205	8.57E-03	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00
1426	480822.2	3768196	8.09E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00
1427	480826	3768188	7.64E-03	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00
1428	480829.8	3768179	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00
1429	480833.6	3768170	6.84E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00
1430	480837.4	3768161	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
1431	480841.2	3768152	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
1432	480845	3768143	5.83E-03	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00
1433	480848.8	3768134	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
1434	480852.6	3768125	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
1492	480761.2	3768350	2.05E-02	0.00E+00	0.00E+00									

1581	481335.3	3768416	7.25E-01	0.00E+00	0.00E+00	7.17E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	7.35E-02	0.00E+00	0.00E+00
1582	481335.3	3768406	6.80E-01	0.00E+00	0.00E+00	6.73E-01	0.00E+00	0.00E+00	1.24E-01	0.00E+00	0.00E+00	6.90E-02	0.00E+00	0.00E+00
1583	481335.3	3768396	6.14E-01	0.00E+00	0.00E+00	6.08E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00
1584	481335.3	3768386	5.10E-01	0.00E+00	0.00E+00	5.04E-01	0.00E+00	0.00E+00	9.26E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00
1585	481335.3	3768376	4.29E-01	0.00E+00	0.00E+00	4.24E-01	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00	4.35E-02	0.00E+00	0.00E+00
1586	481335.3	3768366	3.55E-01	0.00E+00	0.00E+00	3.51E-01	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00
1587	481335.3	3768357	2.65E-01	0.00E+00	0.00E+00	2.63E-01	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00
1588	481335.4	3768317	6.50E-02	0.00E+00	0.00E+00	6.43E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00
1589	481335.4	3768288	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
1590	481335.4	3768268	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
1591	481258.6	3768268	2.28E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
1592	481239.4	3768248	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
1651	481123.5	3768453	1.46E-01	0.00E+00	0.00E+00	1.44E-01	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00
1652	481123.3	3768469	1.61E-01	0.00E+00	0.00E+00	1.59E-01	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00
1653	481113.6	3768453	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
1654	481103.8	3768452	1.28E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00
1655	481094	3768452	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
1656	481084.1	3768452	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
1657	481074.3	3768452	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
1658	481064.4	3768452	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
1659	481018.3	3768436	7.44E-02	0.00E+00	0.00E+00	7.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00
1660	481008.4	3768436	7.13E-02	0.00E+00	0.00E+00	7.06E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00
1661	481014.3	3768423	6.70E-02	0.00E+00	0.00E+00	6.63E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00
1662	481020.2	3768409	6.23E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00
1663	481005.2	3768467	8.21E-02	0.00E+00	0.00E+00	8.12E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00
1664	481010.3	3768409	5.99E-02	0.00E+00	0.00E+00	5.93E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00
1665	481016.2	3768395	5.52E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00
1666	480995.4	3768467	7.86E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00
1667	481009.3	3768388	5.10E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.26E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00
1668	481015.1	3768374	4.64E-02	0.00E+00	0.00E+00	4.60E-02	0.00E+00	0.00E+00	8.44E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00
1669	481021	3768360	4.20E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.62E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00
1670	480985.5	3768467	7.53E-02	0.00E+00	0.00E+00	7.45E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00
1671	480984.8	3768422	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00
1672	480990.6	3768408	5.56E-02	0.00E+00	0.00E+00	5.50E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00
1673	481011.1	3768360	4.07E-02	0.00E+00	0.00E+00	4.03E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00
1674	480975.7	3768467	7.22E-02	0.00E+00	0.00E+00	7.15E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00
1675	480981.7	3768406	5.30E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
1676	480987.9	3768392	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
1677	481026.2	3768316	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00
1678	480965.9	3768467	6.94E-02	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00
1679	480981.1	3768385	4.52E-02	0.00E+00	0.00E+00	4.47E-02	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00
1680	480987.2	3768370	4.11E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00
1681	481026.6	3768306	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
1682	480956	3768466	6.67E-02	0.00E+00	0.00E+00	6.60E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
1683	480955.7	3768421	5.30E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
1684	480961.9	3768406	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00
1685	480980.4	3768363	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
1686	480998.9	3768319	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
1687	481034.2	3768293	2.28E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
1688	480946.4	3768450	6.00E-02	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00
1689	480946.2	3768466	6.42E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00
1690	480952	3768406	4.79E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00
1691	480958.2	3768392	4.43E-02	0.00E+00	0.00E+00	4.39E-02	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00
1692	481005.4	3768295	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
1693	481041.7	3768280	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
1694	480936.5	3768450	5.78E-02	0.00E+00	0.00E+00	5.72E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00
1695	480936.3	3768466	6.18E-02	0.00E+00	0.00E+00	6.12E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00
1696	480951.4	3768385	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
1697	480957.5	3768370	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
1698	481005.7	3768285	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
1699	481042	3768270	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
1700	480926.7	3768450	5.58E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
1701	480926.5	3768466	5.96E-02	0.00E+00	0.00E+00	5.90E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00
1702	480932.3	3768406	4.48E-02	0.00E+00	0.00E+									

1730	480957.5	3768277	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
1731	480992.4	3768251	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
1732	481028.4	3768236	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
1733	481064.4	3768222	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
1734	480887.4	3768450	4.86E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00
1735	480887.2	3768466	5.19E-02	0.00E+00	0.00E+00	5.13E-02	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
1736	480895.9	3768399	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
1737	480902	3768384	3.56E-02	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00
1738	480932.4	3768313	2.25E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
1739	480947.6	3768277	1.71E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
1740	480963.9	3768253	1.42E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
1741	480999.8	3768238	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
1742	481035.7	3768223	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
1743	481071.7	3768209	1.06E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
1744	480877.5	3768450	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00
1745	480877.3	3768465	5.02E-02	0.00E+00	0.00E+00	4.97E-02	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00
1746	480870.8	3768434	4.30E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
1747	480892.1	3768384	3.46E-02	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00
1748	480898.2	3768370	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
1749	480964.1	3768243	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
1750	481000	3768228	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
1751	481035.9	3768214	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1752	481071.8	3768199	9.70E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00
1753	481086.1	3768193	9.28E-03	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00
1754	480867.7	3768449	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
1755	480867.5	3768465	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
1756	480861	3768434	4.17E-02	0.00E+00	0.00E+00	4.12E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
1757	480891.3	3768363	3.00E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
1758	480909.5	3768320	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
1759	480915.6	3768306	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
1760	480921.6	3768292	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
1761	480927.7	3768277	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
1762	480933.8	3768263	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
1763	480939.8	3768249	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
1764	480971.5	3768230	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
1765	481007.4	3768215	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1766	481043.2	3768201	9.71E-03	0.00E+00	0.00E+00	9.61E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00
1767	481079	3768186	8.75E-03	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
1768	480857.8	3768449	4.41E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
1769	480857.6	3768465	4.70E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
1770	480872.3	3768384	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
1771	480899.6	3768320	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
1772	480905.7	3768306	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
1773	480914.8	3768285	1.73E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
1774	480926.9	3768256	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
1775	480932.9	3768242	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
1776	480943.1	3768232	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
1777	480978.9	3768217	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
1778	481014.7	3768203	9.70E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00
1779	481050.5	3768188	8.79E-03	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00
1781	480848	3768449	4.28E-02	0.00E+00	0.00E+00	4.23E-02	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00
1782	480847.8	3768465	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
1783	480841.3	3768434	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
1784	480862.5	3768384	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
1785	480868.5	3768370	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
1786	480943.4	3768222	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1787	480979.1	3768207	9.86E-03	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
1788	481014.9	3768193	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00
1791	480838.2	3768449	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
1792	480838	3768465	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
1793	480811.3	3768434	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
1794	480832.4	3768384	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00
1795	480838.5	3768370	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
1796	480922.3	3768201	8.99E-03	0.00E+00	0.00E+00									

1861	480778.1	3768157	6.13E-03	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
1862	480784.2	3768143	5.65E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
1879	480658.2	3768447	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
1880	480658	3768463	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
1881	480631.4	3768431	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
1882	480637.5	3768417	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
1883	480674.3	3768330	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
1884	480680.4	3768316	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
1885	480686.5	3768302	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
1886	480692.7	3768287	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
1887	480698.8	3768273	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
1888	480704.9	3768258	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1889	480711.1	3768244	9.89E-03	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
1890	480717.2	3768230	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
1891	480723.3	3768215	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
1892	480754	3768143	5.56E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00
1911	480628.2	3768446	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
1912	480628	3768462	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
1913	480601.3	3768431	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
1914	480607.5	3768417	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
1915	480644.2	3768330	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
1916	480650.3	3768316	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
1917	480656.4	3768301	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
1918	480662.6	3768287	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
1919	480668.7	3768273	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1920	480674.8	3768258	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
1921	480680.9	3768244	9.55E-03	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00
1922	480687.1	3768230	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
1923	480693.2	3768215	8.14E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00
1924	480699.3	3768201	7.51E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00
1925	480705.4	3768186	6.93E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00
1926	480711.5	3768172	6.39E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
1927	480717.7	3768158	5.91E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
1948	480598.2	3768446	2.25E-02	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
1949	480598	3768462	2.37E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
1950	480571.3	3768431	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
1951	480577.5	3768416	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
1952	480614.1	3768330	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
1953	480620.2	3768316	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
1954	480626.4	3768301	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
1955	480632.5	3768287	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1956	480638.6	3768273	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1957	480644.7	3768258	9.94E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
1958	480650.8	3768244	9.22E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00
1959	480656.9	3768229	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00
1960	480663	3768215	7.91E-03	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00
1961	480669.1	3768201	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00
1962	480675.3	3768186	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
1963	480681.4	3768172	6.26E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
1964	480687.5	3768158	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00
1991	480568.2	3768446	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
1992	480568	3768462	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
1993	480541.4	3768430	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
1994	480547.6	3768415	1.82E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
1995	480553.8	3768401	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
1996	480584.9	3768328	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
1997	480591.1	3768313	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
1998	480597.3	3768299	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
1999	480603.5	3768284	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2000	480609.7	3768270	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
2001	480615.9	3768255	9.43E-03	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00
2002	480622.1	3768240	8.75E-03	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
2003	480628.3	3768226	8.12E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00
2004	480634.5	3768211	7.52E-03	0.00E+00	0.00E+00									

2063	481155.8	3768532	2.09E-01	0.00E+00	0.00E+00	2.06E-01	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00
2064	481165	3768535	2.17E-01	0.00E+00	0.00E+00	2.15E-01	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00
2065	481174.1	3768538	2.25E-01	0.00E+00	0.00E+00	2.22E-01	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00
2066	481183.2	3768540	2.30E-01	0.00E+00	0.00E+00	2.28E-01	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00
2067	481192.3	3768543	2.34E-01	0.00E+00	0.00E+00	2.32E-01	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00
2068	481201.4	3768546	2.35E-01	0.00E+00	0.00E+00	2.33E-01	0.00E+00	0.00E+00	4.27E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00
2069	481118.1	3768528	1.68E-01	0.00E+00	0.00E+00	1.66E-01	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00
2070	481110.4	3768522	1.61E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
2071	481102.8	3768517	1.55E-01	0.00E+00	0.00E+00	1.53E-01	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00
2072	481092.4	3768503	1.44E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
2073	481089.5	3768494	1.39E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
2074	481143.9	3768539	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00
2075	481153	3768541	1.94E-01	0.00E+00	0.00E+00	1.92E-01	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00
2076	481162.1	3768544	2.00E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
2077	481171.2	3768547	2.05E-01	0.00E+00	0.00E+00	2.03E-01	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00
2078	481180.3	3768550	2.09E-01	0.00E+00	0.00E+00	2.06E-01	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00
2079	481189.4	3768553	2.10E-01	0.00E+00	0.00E+00	2.08E-01	0.00E+00	0.00E+00	3.82E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00
2080	481198.5	3768555	2.10E-01	0.00E+00	0.00E+00	2.08E-01	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00
2081	481115.7	3768538	1.61E-01	0.00E+00	0.00E+00	1.60E-01	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00
2082	481101.5	3768527	1.52E-01	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00
2083	481084.6	3768509	1.39E-01	0.00E+00	0.00E+00	1.37E-01	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
2084	481079.3	3768492	1.31E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
2085	481150.1	3768551	1.81E-01	0.00E+00	0.00E+00	1.79E-01	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00
2086	481159.2	3768554	1.85E-01	0.00E+00	0.00E+00	1.83E-01	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00
2087	481168.3	3768556	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00
2088	481177.4	3768559	1.89E-01	0.00E+00	0.00E+00	1.87E-01	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00
2089	481186.5	3768562	1.90E-01	0.00E+00	0.00E+00	1.88E-01	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00
2090	481195.6	3768565	1.88E-01	0.00E+00	0.00E+00	1.86E-01	0.00E+00	0.00E+00	3.42E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00
2091	481113.2	3768547	1.54E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
2092	481099.6	3768538	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
2093	481086.1	3768528	1.40E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00
2094	481076.8	3768515	1.33E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00
2095	481071.7	3768499	1.27E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00
2096	481147.3	3768560	1.68E-01	0.00E+00	0.00E+00	1.66E-01	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00
2097	481156.4	3768563	1.70E-01	0.00E+00	0.00E+00	1.69E-01	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00
2098	481165.5	3768566	1.72E-01	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00
2099	481174.6	3768569	1.72E-01	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00
2100	481183.7	3768571	1.71E-01	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00
2101	481192.8	3768574	1.70E-01	0.00E+00	0.00E+00	1.68E-01	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00
2102	481109.5	3768556	1.46E-01	0.00E+00	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00
2103	481101.8	3768551	1.44E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
2104	481094.2	3768545	1.41E-01	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00
2105	481086.6	3768540	1.38E-01	0.00E+00	0.00E+00	1.36E-01	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00
2106	481079	3768534	1.34E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
2107	481068.5	3768520	1.28E-01	0.00E+00	0.00E+00	1.26E-01	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00
2108	481065.7	3768511	1.25E-01	0.00E+00	0.00E+00	1.24E-01	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00
2109	481062.8	3768502	1.22E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
2110	481060	3768493	1.18E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
2111	481057.1	3768484	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
2112	481117.1	3768561	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
2113	481144.4	3768570	1.56E-01	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00
2114	481153.5	3768572	1.57E-01	0.00E+00	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00
2115	481162.6	3768575	1.58E-01	0.00E+00	0.00E+00	1.56E-01	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00
2116	481171.7	3768578	1.57E-01	0.00E+00	0.00E+00	1.55E-01	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00
2117	481180.8	3768581	1.56E-01	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00
2118	481189.9	3768584	1.53E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
2119	481107	3768566	1.39E-01	0.00E+00	0.00E+00	1.37E-01	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
2120	481092.5	3768555	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
2121	481077.9	3768545	1.31E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00
2122	481060.7	3768526	1.23E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00
2123	481055.3	3768509	1.18E-01	0.00E+00	0.00E+00	1.17E-01	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00
2124	481049.9	3768492	1.11E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
2125	481123.3	3768574	1.41E-01	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00
2126	481141.5	3768579	1.44E-01	0.00E+00	0.00E+									

2154	481041.9	3768529	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
2155	481039	3768520	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
2156	481036.2	3768511	1.08E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
2157	481033.3	3768502	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2158	481030.5	3768493	1.01E-01	0.00E+00	0.00E+00	9.99E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2159	481027.6	3768484	9.70E-02	0.00E+00	0.00E+00	9.60E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00
2160	481108.5	3768590	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
2161	481117.6	3768592	1.24E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
2162	481144.9	3768601	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
2163	481154	3768604	1.22E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00
2164	481163.1	3768606	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
2165	481172.2	3768609	1.18E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
2166	481181.3	3768612	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00
2167	481098.3	3768594	1.17E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
2168	481083.6	3768583	1.18E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
2169	481076.3	3768578	1.17E-01	0.00E+00	0.00E+00	1.16E-01	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00
2170	481069	3768573	1.17E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
2171	481061.6	3768568	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
2172	481054.3	3768563	1.14E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
2173	481036.9	3768544	1.09E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
2174	481034.1	3768535	1.08E-01	0.00E+00	0.00E+00	1.07E-01	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
2175	481028.6	3768518	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2176	481025.9	3768509	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
2177	481020.4	3768492	9.60E-02	0.00E+00	0.00E+00	9.50E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	9.74E-03	0.00E+00	0.00E+00
2178	481105.6	3768599	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
2179	481114.7	3768602	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
2180	481123.8	3768605	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
2181	481142.1	3768610	1.14E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
2182	481151.2	3768613	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00
2183	481160.3	3768616	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
2184	481169.4	3768618	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
2185	481178.5	3768621	1.05E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2186	481095.7	3768603	1.10E-01	0.00E+00	0.00E+00	1.08E-01	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00
2187	481081.4	3768593	1.12E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
2188	481067.2	3768583	1.12E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
2189	481053	3768573	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00
2190	481038.8	3768563	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
2191	481029	3768550	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2192	481023.7	3768533	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00
2193	481018.4	3768516	9.97E-02	0.00E+00	0.00E+00	9.86E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
2194	481013.1	3768500	9.45E-02	0.00E+00	0.00E+00	9.35E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00
2195	481007.8	3768483	8.82E-02	0.00E+00	0.00E+00	8.73E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00
2196	481111.9	3768611	1.08E-01	0.00E+00	0.00E+00	1.07E-01	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
2197	481121	3768614	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00
2198	481148.3	3768622	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
2199	481157.4	3768625	1.01E-01	0.00E+00	0.00E+00	9.97E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2200	481166.5	3768628	9.82E-02	0.00E+00	0.00E+00	9.72E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00
2201	481175.6	3768631	9.53E-02	0.00E+00	0.00E+00	9.43E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00
2202	481092.3	3768612	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
2203	481084.7	3768607	1.05E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2204	481077.1	3768602	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00
2205	481069.4	3768596	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
2206	481061.8	3768591	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
2207	481054.2	3768585	1.06E-01	0.00E+00	0.00E+00	1.05E-01	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
2208	481046.6	3768580	1.05E-01	0.00E+00	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00
2209	481039	3768575	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
2210	481031.3	3768569	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
2211	481020.9	3768555	1.01E-01	0.00E+00	0.00E+00	9.98E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2212	481018	3768546	1.00E-01	0.00E+00	0.00E+00	9.94E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
2213	481015.2	3768537	9.95E-02	0.00E+00	0.00E+00	9.84E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
2214	481012.3	3768528	9.80E-02	0.00E+00	0.00E+00	9.70E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	9.94E-03	0.00E+00	0.00E+00
2215	481009.5	3768519	9.61E-02	0.00E+00	0.00E+00	9.51E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00
2216	481006.7	3768510	9.37E-02	0.00E+00	0.00E+00	9.28E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00
2217	481003.8	3768502	9.10E-02	0.00E+00	0.00E+00									

2245	481142.6	3768641	8.72E-02	0.00E+00	0.00E+00	8.63E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00
2246	481151.7	3768644	8.49E-02	0.00E+00	0.00E+00	8.40E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00
2247	481160.8	3768647	8.23E-02	0.00E+00	0.00E+00	8.14E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00
2248	481169.9	3768649	7.95E-02	0.00E+00	0.00E+00	7.87E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00
2249	481087	3768632	9.04E-02	0.00E+00	0.00E+00	8.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00
2250	481072.6	3768621	9.40E-02	0.00E+00	0.00E+00	9.30E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00
2251	481058.2	3768611	9.62E-02	0.00E+00	0.00E+00	9.52E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00
2252	481043.8	3768601	9.69E-02	0.00E+00	0.00E+00	9.59E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	9.83E-03	0.00E+00	0.00E+00
2253	481029.4	3768591	9.62E-02	0.00E+00	0.00E+00	9.52E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00
2254	481015	3768581	9.44E-02	0.00E+00	0.00E+00	9.34E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00
2255	481005.2	3768567	9.36E-02	0.00E+00	0.00E+00	9.26E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00
2256	480999.8	3768550	9.32E-02	0.00E+00	0.00E+00	9.22E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00
2257	480994.4	3768533	9.11E-02	0.00E+00	0.00E+00	9.02E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	9.24E-03	0.00E+00	0.00E+00
2258	480989	3768517	8.77E-02	0.00E+00	0.00E+00	8.68E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00
2259	480983.7	3768500	8.31E-02	0.00E+00	0.00E+00	8.22E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00
2260	480978.3	3768483	7.75E-02	0.00E+00	0.00E+00	7.67E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00
2261	481103.3	3768639	8.71E-02	0.00E+00	0.00E+00	8.62E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00
2262	481112.4	3768642	8.59E-02	0.00E+00	0.00E+00	8.50E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00
2263	481121.5	3768645	8.43E-02	0.00E+00	0.00E+00	8.34E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00
2264	481148.8	3768653	7.80E-02	0.00E+00	0.00E+00	7.72E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00
2265	481157.9	3768656	7.55E-02	0.00E+00	0.00E+00	7.47E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00
2266	481167	3768659	7.27E-02	0.00E+00	0.00E+00	7.20E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00
2267	481083.7	3768641	8.48E-02	0.00E+00	0.00E+00	8.39E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00
2268	481076.1	3768635	8.70E-02	0.00E+00	0.00E+00	8.61E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00
2269	481068.5	3768630	8.88E-02	0.00E+00	0.00E+00	8.79E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00
2270	481060.8	3768625	9.04E-02	0.00E+00	0.00E+00	8.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00
2271	481053.2	3768619	9.15E-02	0.00E+00	0.00E+00	9.05E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00
2272	481045.6	3768614	9.22E-02	0.00E+00	0.00E+00	9.12E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.35E-03	0.00E+00	0.00E+00
2273	481038	3768608	9.26E-02	0.00E+00	0.00E+00	9.16E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00
2274	481030.4	3768603	9.26E-02	0.00E+00	0.00E+00	9.16E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00
2275	481022.8	3768597	9.23E-02	0.00E+00	0.00E+00	9.13E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00
2276	481015.1	3768592	9.17E-02	0.00E+00	0.00E+00	9.08E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00
2277	481007.5	3768587	9.08E-02	0.00E+00	0.00E+00	8.99E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00
2278	480997.1	3768572	9.02E-02	0.00E+00	0.00E+00	8.93E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.15E-03	0.00E+00	0.00E+00
2279	480994.2	3768563	9.03E-02	0.00E+00	0.00E+00	8.94E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.16E-03	0.00E+00	0.00E+00
2280	480991.4	3768555	9.00E-02	0.00E+00	0.00E+00	8.91E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00
2281	480988.5	3768546	8.93E-02	0.00E+00	0.00E+00	8.83E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00
2282	480985.7	3768537	8.81E-02	0.00E+00	0.00E+00	8.72E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00
2283	480982.8	3768528	8.66E-02	0.00E+00	0.00E+00	8.57E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00
2284	480980	3768519	8.48E-02	0.00E+00	0.00E+00	8.39E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00
2285	480977.1	3768510	8.26E-02	0.00E+00	0.00E+00	8.17E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00
2286	480974.3	3768501	8.02E-02	0.00E+00	0.00E+00	7.93E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00
2287	480971.5	3768492	7.75E-02	0.00E+00	0.00E+00	7.67E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00
2288	480968.6	3768483	7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00
2289	481091.3	3768646	8.23E-02	0.00E+00	0.00E+00	8.14E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00
2290	481100.4	3768649	8.11E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00
2291	481109.5	3768652	7.97E-02	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00
2292	481118.6	3768654	7.81E-02	0.00E+00	0.00E+00	7.73E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00
2293	481146	3768663	7.17E-02	0.00E+00	0.00E+00	7.10E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00
2294	481155.1	3768666	6.93E-02	0.00E+00	0.00E+00	6.85E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00
2295	481164.2	3768668	6.66E-02	0.00E+00	0.00E+00	6.59E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00
2296	481081	3768650	7.93E-02	0.00E+00	0.00E+00	7.85E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.04E-03	0.00E+00	0.00E+00
2297	481073.6	3768645	8.15E-02	0.00E+00	0.00E+00	8.07E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00
2298	481066.2	3768640	8.35E-02	0.00E+00	0.00E+00	8.26E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00
2299	481058.8	3768634	8.52E-02	0.00E+00	0.00E+00	8.43E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00
2300	481051.3	3768629	8.65E-02	0.00E+00	0.00E+00	8.56E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00
2301	481043.9	3768624	8.75E-02	0.00E+00	0.00E+00	8.66E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.88E-03	0.00E+00	0.00E+00
2302	481036.5	3768619	8.82E-02	0.00E+00	0.00E+00	8.73E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00
2303	481029.1	3768613	8.86E-02	0.00E+00	0.00E+00	8.77E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	8.99E-03	0.00E+00	0.00E+00
2304	481021.7	3768608	8.87E-02	0.00E+00	0.00E+00	8.78E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00
2305	481014.2	3768603	8.85E-02	0.00E+00	0.00E+00	8.76E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00
2306	481006.8	3768598	8.81E-02	0.00E+00	0.00E+00	8.71E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00
2307	480999.4	3768592	8.73E-02	0.00E+00	0.00E+00	8.64E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00
2308	480989.2	3768578	8.70E-02	0.00E+00	0.00E+00									

2336	480954.2	3768500	7.37E-02	0.00E+00	0.00E+00	7.29E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00
2337	480948.8	3768483	6.88E-02	0.00E+00	0.00E+00	6.81E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00
2338	481094.7	3768668	7.03E-02	0.00E+00	0.00E+00	6.96E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00
2339	481103.8	3768671	6.88E-02	0.00E+00	0.00E+00	6.81E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00
2340	481112.9	3768673	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00
2341	481122	3768676	6.52E-02	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00
2342	481149.3	3768684	5.85E-02	0.00E+00	0.00E+00	5.79E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00
2343	481158.4	3768687	5.61E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
2344	481075.1	3768669	6.95E-02	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00
2345	481067.5	3768664	7.18E-02	0.00E+00	0.00E+00	7.11E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00
2346	481059.9	3768658	7.40E-02	0.00E+00	0.00E+00	7.32E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00
2347	481052.3	3768653	7.59E-02	0.00E+00	0.00E+00	7.51E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00
2348	481044.6	3768647	7.75E-02	0.00E+00	0.00E+00	7.67E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00
2349	481037	3768642	7.89E-02	0.00E+00	0.00E+00	7.81E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00
2350	481029.4	3768637	8.00E-02	0.00E+00	0.00E+00	7.91E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00
2351	481021.8	3768631	8.08E-02	0.00E+00	0.00E+00	8.00E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00
2352	481014.2	3768626	8.14E-02	0.00E+00	0.00E+00	8.05E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00
2353	481006.6	3768620	8.17E-02	0.00E+00	0.00E+00	8.08E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00
2354	480998.9	3768615	8.17E-02	0.00E+00	0.00E+00	8.09E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00
2355	480991.3	3768609	8.15E-02	0.00E+00	0.00E+00	8.06E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00
2356	480983.7	3768604	8.09E-02	0.00E+00	0.00E+00	8.01E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00
2357	480973.2	3768590	8.10E-02	0.00E+00	0.00E+00	8.01E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00
2358	480970.4	3768581	8.14E-02	0.00E+00	0.00E+00	8.06E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00
2359	480967.5	3768572	8.15E-02	0.00E+00	0.00E+00	8.07E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00
2360	480964.7	3768563	8.13E-02	0.00E+00	0.00E+00	8.04E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00
2361	480961.9	3768554	8.07E-02	0.00E+00	0.00E+00	7.99E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00
2362	480959	3768545	7.99E-02	0.00E+00	0.00E+00	7.90E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00
2363	480956.2	3768536	7.87E-02	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00
2364	480953.3	3768527	7.72E-02	0.00E+00	0.00E+00	7.64E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.83E-03	0.00E+00	0.00E+00
2365	480950.5	3768519	7.55E-02	0.00E+00	0.00E+00	7.47E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00
2366	480947.6	3768510	7.35E-02	0.00E+00	0.00E+00	7.27E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00
2367	480944.8	3768501	7.13E-02	0.00E+00	0.00E+00	7.05E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00
2368	480941.9	3768492	6.89E-02	0.00E+00	0.00E+00	6.82E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00
2369	480939.1	3768483	6.63E-02	0.00E+00	0.00E+00	6.56E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00
2370	481082.7	3768674	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00
2371	481091.8	3768677	6.55E-02	0.00E+00	0.00E+00	6.48E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00
2372	481100.9	3768680	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2373	481110	3768683	6.22E-02	0.00E+00	0.00E+00	6.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00
2374	481119.2	3768685	6.03E-02	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00
2375	481146.5	3768694	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00
2376	481155.6	3768697	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
2377	481072.4	3768679	6.49E-02	0.00E+00	0.00E+00	6.42E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.58E-03	0.00E+00	0.00E+00
2378	481065	3768673	6.72E-02	0.00E+00	0.00E+00	6.65E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00
2379	481057.5	3768668	6.94E-02	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00
2380	481050.1	3768663	7.13E-02	0.00E+00	0.00E+00	7.06E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00
2381	481042.6	3768657	7.31E-02	0.00E+00	0.00E+00	7.23E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00
2382	481035.2	3768652	7.45E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00
2383	481027.7	3768647	7.58E-02	0.00E+00	0.00E+00	7.50E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00
2384	481020.3	3768641	7.68E-02	0.00E+00	0.00E+00	7.60E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00
2385	481012.8	3768636	7.76E-02	0.00E+00	0.00E+00	7.68E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00
2386	481005.4	3768631	7.82E-02	0.00E+00	0.00E+00	7.74E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00
2387	480997.9	3768626	7.85E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00
2388	480990.5	3768620	7.86E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00
2389	480983	3768615	7.84E-02	0.00E+00	0.00E+00	7.76E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00
2390	480975.6	3768610	7.80E-02	0.00E+00	0.00E+00	7.72E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00
2391	480965.4	3768596	7.82E-02	0.00E+00	0.00E+00	7.74E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00
2392	480962.6	3768587	7.87E-02	0.00E+00	0.00E+00	7.79E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00
2393	480957	3768570	7.89E-02	0.00E+00	0.00E+00	7.81E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00
2394	480954.2	3768561	7.85E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00
2395	480951.4	3768552	7.78E-02	0.00E+00	0.00E+00	7.70E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00
2396	480948.7	3768544	7.69E-02	0.00E+00	0.00E+00	7.61E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00
2397	480943.1	3768526	7.42E-02	0.00E+00	0.00E+00	7.34E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00
2398	480940.3	3768517	7.25E-02	0.00E+00	0.00E+00	7.18E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00
2399	480937.5	3768509	7.06E-02	0.00E+00	0.00E+00									

2427	481086.1	3768696	5.68E-02	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
2428	481095.2	3768699	5.52E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00
2429	481104.3	3768702	5.35E-02	0.00E+00	0.00E+00	5.30E-02	0.00E+00	0.00E+00	9.73E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00
2430	481113.4	3768704	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00
2431	481122.5	3768707	4.99E-02	0.00E+00	0.00E+00	4.93E-02	0.00E+00	0.00E+00	9.06E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00
2432	481149.8	3768715	4.38E-02	0.00E+00	0.00E+00	4.34E-02	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00
2433	481066.5	3768697	5.68E-02	0.00E+00	0.00E+00	5.62E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
2434	481058.9	3768692	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
2435	481051.3	3768686	6.13E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
2436	481043.7	3768681	6.33E-02	0.00E+00	0.00E+00	6.27E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00
2437	481036.1	3768676	6.52E-02	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00
2438	481028.4	3768670	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00
2439	481020.8	3768665	6.84E-02	0.00E+00	0.00E+00	6.77E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00
2440	481013.2	3768659	6.96E-02	0.00E+00	0.00E+00	6.89E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00
2441	481005.6	3768654	7.07E-02	0.00E+00	0.00E+00	7.00E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
2442	480998	3768649	7.16E-02	0.00E+00	0.00E+00	7.08E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00
2443	480990.3	3768643	7.22E-02	0.00E+00	0.00E+00	7.15E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00
2444	480982.7	3768638	7.26E-02	0.00E+00	0.00E+00	7.19E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00
2445	480975.1	3768632	7.28E-02	0.00E+00	0.00E+00	7.21E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00
2446	480967.5	3768627	7.28E-02	0.00E+00	0.00E+00	7.20E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00
2447	480959.9	3768622	7.26E-02	0.00E+00	0.00E+00	7.18E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00
2448	480949.4	3768607	7.31E-02	0.00E+00	0.00E+00	7.23E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00
2449	480946.6	3768598	7.38E-02	0.00E+00	0.00E+00	7.30E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00
2450	480943.7	3768589	7.41E-02	0.00E+00	0.00E+00	7.34E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00
2451	480940.9	3768581	7.42E-02	0.00E+00	0.00E+00	7.35E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00
2452	480938	3768572	7.41E-02	0.00E+00	0.00E+00	7.33E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00
2453	480935.2	3768563	7.36E-02	0.00E+00	0.00E+00	7.28E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00
2454	480932.3	3768554	7.29E-02	0.00E+00	0.00E+00	7.21E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00
2455	480929.5	3768545	7.19E-02	0.00E+00	0.00E+00	7.12E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00
2456	480926.6	3768536	7.07E-02	0.00E+00	0.00E+00	7.00E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
2457	480923.8	3768527	6.93E-02	0.00E+00	0.00E+00	6.86E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00
2458	480921	3768518	6.77E-02	0.00E+00	0.00E+00	6.70E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00
2459	480918.1	3768509	6.58E-02	0.00E+00	0.00E+00	6.52E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00
2460	480915.3	3768500	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2461	480912.4	3768492	6.17E-02	0.00E+00	0.00E+00	6.11E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00
2462	480909.6	3768483	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
2463	481074.1	3768703	5.44E-02	0.00E+00	0.00E+00	5.38E-02	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00
2464	481083.3	3768705	5.29E-02	0.00E+00	0.00E+00	5.24E-02	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00
2465	481092.4	3768708	5.14E-02	0.00E+00	0.00E+00	5.08E-02	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00
2466	481101.5	3768711	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
2467	481110.6	3768714	4.80E-02	0.00E+00	0.00E+00	4.75E-02	0.00E+00	0.00E+00	8.72E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00
2468	481119.7	3768716	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
2469	481147	3768725	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
2470	481063.8	3768707	5.31E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
2471	481056.3	3768701	5.53E-02	0.00E+00	0.00E+00	5.47E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00
2472	481048.9	3768696	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
2473	481041.4	3768691	5.94E-02	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
2474	481033.9	3768686	6.13E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
2475	481026.5	3768680	6.30E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
2476	481019	3768675	6.46E-02	0.00E+00	0.00E+00	6.39E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00
2477	481011.5	3768670	6.59E-02	0.00E+00	0.00E+00	6.52E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00
2478	481004.1	3768664	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00
2479	480996.6	3768659	6.81E-02	0.00E+00	0.00E+00	6.74E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00
2480	480989.1	3768654	6.89E-02	0.00E+00	0.00E+00	6.82E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00
2481	480981.7	3768648	6.96E-02	0.00E+00	0.00E+00	6.88E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00
2482	480974.2	3768643	7.00E-02	0.00E+00	0.00E+00	6.93E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00
2483	480966.7	3768638	7.02E-02	0.00E+00	0.00E+00	6.95E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00
2484	480959.3	3768633	7.02E-02	0.00E+00	0.00E+00	6.95E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00
2485	480951.8	3768627	7.01E-02	0.00E+00	0.00E+00	6.94E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00
2486	480941.5	3768613	7.07E-02	0.00E+00	0.00E+00	7.00E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
2487	480938.7	3768604	7.14E-02	0.00E+00	0.00E+00	7.07E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.24E-03	0.00E+00	0.00E+00
2488	480935.9	3768596	7.18E-02	0.00E+00	0.00E+00	7.11E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00
2489	480933.2	3768587	7.20E-02	0.00E+00	0.00E+00	7.13E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00
2490	480930.4	3768578	7.20E-02	0.00E+00	0.00E+									

2518	480965.7	3768649	6.75E-02	0.00E+00	0.00E+00	6.68E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00
2519	480958.4	3768643	6.77E-02	0.00E+00	0.00E+00	6.70E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00
2520	480943.7	3768633	6.77E-02	0.00E+00	0.00E+00	6.70E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00
2521	480933.6	3768619	6.84E-02	0.00E+00	0.00E+00	6.77E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00
2522	480930.9	3768611	6.91E-02	0.00E+00	0.00E+00	6.84E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00
2523	480925.4	3768593	6.99E-02	0.00E+00	0.00E+00	6.91E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00
2524	480922.7	3768585	6.99E-02	0.00E+00	0.00E+00	6.92E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00
2525	480917.2	3768568	6.93E-02	0.00E+00	0.00E+00	6.86E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00
2526	480911.7	3768551	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00
2527	480906.2	3768533	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00
2528	480900.8	3768516	6.28E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00
2529	480895.3	3768499	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
2530	480892.5	3768491	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00
2531	481068.4	3768721	4.74E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2532	481077.5	3768724	4.60E-02	0.00E+00	0.00E+00	4.55E-02	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00
2533	481086.6	3768727	4.45E-02	0.00E+00	0.00E+00	4.40E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00
2534	481095.7	3768730	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
2535	481104.8	3768733	4.13E-02	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00
2536	481113.9	3768735	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00
2537	481057.9	3768725	4.65E-02	0.00E+00	0.00E+00	4.60E-02	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00
2538	481050.3	3768720	4.86E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00
2539	481042.7	3768715	5.07E-02	0.00E+00	0.00E+00	5.01E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00
2540	481035.1	3768709	5.27E-02	0.00E+00	0.00E+00	5.21E-02	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00
2541	481027.5	3768704	5.45E-02	0.00E+00	0.00E+00	5.40E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00
2542	481019.8	3768698	5.63E-02	0.00E+00	0.00E+00	5.57E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00
2543	481012.2	3768693	5.79E-02	0.00E+00	0.00E+00	5.73E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00
2544	481004.6	3768688	5.94E-02	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
2545	480997	3768682	6.08E-02	0.00E+00	0.00E+00	6.01E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00
2546	480989.4	3768677	6.20E-02	0.00E+00	0.00E+00	6.13E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00
2547	480981.8	3768671	6.30E-02	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
2548	480974.1	3768666	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2549	480966.5	3768661	6.45E-02	0.00E+00	0.00E+00	6.39E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00
2550	480958.9	3768655	6.50E-02	0.00E+00	0.00E+00	6.43E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00
2551	480951.3	3768650	6.53E-02	0.00E+00	0.00E+00	6.47E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00
2552	480943.7	3768644	6.55E-02	0.00E+00	0.00E+00	6.48E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00
2553	480936	3768639	6.55E-02	0.00E+00	0.00E+00	6.48E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00
2554	480925.6	3768625	6.63E-02	0.00E+00	0.00E+00	6.56E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00
2555	480922.7	3768616	6.71E-02	0.00E+00	0.00E+00	6.64E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00
2556	480919.9	3768607	6.76E-02	0.00E+00	0.00E+00	6.69E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00
2557	480917.1	3768598	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00
2558	480914.2	3768589	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00
2559	480911.4	3768580	6.78E-02	0.00E+00	0.00E+00	6.71E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00
2560	480908.5	3768571	6.74E-02	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00
2561	480905.7	3768562	6.68E-02	0.00E+00	0.00E+00	6.61E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00
2562	480902.8	3768553	6.60E-02	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00
2563	480900	3768545	6.51E-02	0.00E+00	0.00E+00	6.44E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00
2564	480897.1	3768536	6.39E-02	0.00E+00	0.00E+00	6.32E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00
2565	480894.3	3768527	6.25E-02	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00
2566	480891.4	3768518	6.10E-02	0.00E+00	0.00E+00	6.04E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00
2567	480888.6	3768509	5.94E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
2568	480885.8	3768500	5.76E-02	0.00E+00	0.00E+00	5.70E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00
2569	480882.9	3768491	5.57E-02	0.00E+00	0.00E+00	5.51E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00
2570	480880.1	3768482	5.37E-02	0.00E+00	0.00E+00	5.31E-02	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00
2571	481065.6	3768731	4.43E-02	0.00E+00	0.00E+00	4.39E-02	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00
2572	481074.7	3768734	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00
2573	481055.2	3768735	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
2574	481047.7	3768730	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
2575	481040.2	3768724	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2576	481032.8	3768719	4.94E-02	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00
2577	481025.3	3768714	5.12E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
2578	481017.8	3768708	5.29E-02	0.00E+00	0.00E+00	5.24E-02	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00
2579	481010.3	3768703	5.46E-02	0.00E+00	0.00E+00	5.40E-02	0.00E+00	0.00E+00	9.91E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00
2580	481002.8	3768698	5.61E-02	0.00E+00	0.00E+00	5.55E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00
2581	480995.3	3768692	5.75E-02	0.00E+00	0.									

2609	481028.8	3768728	4.67E-02	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00
2610	481021.1	3768722	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
2611	481013.3	3768717	5.02E-02	0.00E+00	0.00E+00	4.97E-02	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00
2612	481005.6	3768711	5.19E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00
2613	480997.8	3768706	5.35E-02	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00
2614	480990.1	3768700	5.49E-02	0.00E+00	0.00E+00	5.43E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00
2615	480982.3	3768695	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
2616	480974.6	3768689	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
2617	480966.8	3768684	5.84E-02	0.00E+00	0.00E+00	5.78E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00
2618	480959.1	3768678	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2619	480951.3	3768673	6.00E-02	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00
2620	480943.6	3768667	6.05E-02	0.00E+00	0.00E+00	5.99E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00
2621	480935.8	3768662	6.09E-02	0.00E+00	0.00E+00	6.03E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00
2622	480928.1	3768656	6.12E-02	0.00E+00	0.00E+00	6.06E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00
2623	480920.3	3768651	6.13E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
2624	480909.7	3768636	6.23E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00
2625	480906.8	3768627	6.31E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
2626	480903.9	3768618	6.37E-02	0.00E+00	0.00E+00	6.30E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00
2627	480901	3768609	6.41E-02	0.00E+00	0.00E+00	6.34E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00
2628	480898.1	3768600	6.42E-02	0.00E+00	0.00E+00	6.36E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00
2629	480895.2	3768591	6.42E-02	0.00E+00	0.00E+00	6.36E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00
2630	480892.3	3768582	6.40E-02	0.00E+00	0.00E+00	6.33E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00
2631	480889.4	3768573	6.36E-02	0.00E+00	0.00E+00	6.29E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00
2632	480886.5	3768564	6.30E-02	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
2633	480883.6	3768555	6.22E-02	0.00E+00	0.00E+00	6.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00
2634	480880.7	3768546	6.12E-02	0.00E+00	0.00E+00	6.06E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00
2635	480877.8	3768536	6.00E-02	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00
2636	480874.9	3768527	5.87E-02	0.00E+00	0.00E+00	5.81E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00
2637	480872	3768518	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
2638	480869.1	3768509	5.57E-02	0.00E+00	0.00E+00	5.51E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00
2639	480866.2	3768500	5.40E-02	0.00E+00	0.00E+00	5.34E-02	0.00E+00	0.00E+00	9.81E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00
2640	480863.3	3768491	5.22E-02	0.00E+00	0.00E+00	5.16E-02	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00
2641	480860.4	3768482	5.03E-02	0.00E+00	0.00E+00	4.98E-02	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00
2642	481096.3	3768761	3.33E-02	0.00E+00	0.00E+00	3.29E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00
2643	481105.4	3768764	3.19E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00
2644	481114.5	3768766	3.05E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
2645	481018.9	3768732	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
2646	481011.3	3768727	4.72E-02	0.00E+00	0.00E+00	4.67E-02	0.00E+00	0.00E+00	8.58E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00
2647	481003.6	3768721	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
2648	480996	3768716	5.04E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.16E-03	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00
2649	480988.4	3768710	5.18E-02	0.00E+00	0.00E+00	5.13E-02	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
2650	480980.8	3768705	5.32E-02	0.00E+00	0.00E+00	5.26E-02	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00
2651	480973.2	3768700	5.44E-02	0.00E+00	0.00E+00	5.39E-02	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00
2652	480965.6	3768694	5.55E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00
2653	480957.9	3768689	5.65E-02	0.00E+00	0.00E+00	5.59E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00
2654	480950.3	3768683	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
2655	480942.7	3768678	5.80E-02	0.00E+00	0.00E+00	5.74E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00
2656	480935.1	3768673	5.85E-02	0.00E+00	0.00E+00	5.79E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00
2657	480927.5	3768667	5.89E-02	0.00E+00	0.00E+00	5.83E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00
2658	480919.8	3768662	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2659	480912.2	3768656	5.94E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
2660	480901.8	3768642	6.03E-02	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00
2661	480898.9	3768633	6.11E-02	0.00E+00	0.00E+00	6.05E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00
2662	480896.1	3768624	6.18E-02	0.00E+00	0.00E+00	6.11E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00
2663	480893.2	3768615	6.22E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00
2664	480890.4	3768606	6.25E-02	0.00E+00	0.00E+00	6.18E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00
2665	480887.5	3768598	6.26E-02	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00
2666	480884.7	3768589	6.24E-02	0.00E+00	0.00E+00	6.18E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00
2667	480881.8	3768580	6.22E-02	0.00E+00	0.00E+00	6.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00
2668	480879	3768571	6.17E-02	0.00E+00	0.00E+00	6.10E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00
2669	480876.2	3768562	6.10E-02	0.00E+00	0.00E+00	6.04E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00
2670	480873.3	3768553	6.02E-02	0.00E+00	0.00E+00	5.95E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00
2671	480870.5	3768544	5.92E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
2672	480867.6	3768535	5.80E-02	0.00E+00	0.00									

2700	480911.7	3768667	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
2701	480904.2	3768662	5.75E-02	0.00E+00	0.00E+00	5.69E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00
2702	480893.9	3768648	5.85E-02	0.00E+00	0.00E+00	5.79E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00
2703	480891.1	3768639	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2704	480888.3	3768630	5.99E-02	0.00E+00	0.00E+00	5.93E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00
2705	480885.5	3768622	6.04E-02	0.00E+00	0.00E+00	5.98E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00
2706	480882.7	3768613	6.08E-02	0.00E+00	0.00E+00	6.01E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00
2707	480879.9	3768604	6.09E-02	0.00E+00	0.00E+00	6.03E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00
2708	480877.1	3768595	6.09E-02	0.00E+00	0.00E+00	6.02E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00
2709	480874.3	3768587	6.07E-02	0.00E+00	0.00E+00	6.00E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00
2710	480871.5	3768578	6.03E-02	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00
2711	480868.7	3768569	5.98E-02	0.00E+00	0.00E+00	5.91E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00
2712	480865.9	3768560	5.91E-02	0.00E+00	0.00E+00	5.85E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00
2713	480863.1	3768552	5.82E-02	0.00E+00	0.00E+00	5.76E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00
2714	480860.3	3768543	5.72E-02	0.00E+00	0.00E+00	5.66E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
2715	480857.5	3768534	5.61E-02	0.00E+00	0.00E+00	5.55E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00
2716	480854.7	3768525	5.49E-02	0.00E+00	0.00E+00	5.43E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00
2717	480851.9	3768517	5.35E-02	0.00E+00	0.00E+00	5.30E-02	0.00E+00	0.00E+00	9.72E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00
2718	480849.1	3768508	5.20E-02	0.00E+00	0.00E+00	5.15E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00
2719	480846.3	3768499	5.05E-02	0.00E+00	0.00E+00	5.00E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
2720	480843.5	3768490	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
2721	480840.7	3768482	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.56E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00
2722	481054.1	3768769	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
2723	481063.2	3768771	3.27E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
2724	481072.3	3768774	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
2725	481081.4	3768777	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
2726	481090.5	3768780	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
2727	481099.6	3768782	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
2728	481108.7	3768785	2.64E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00
2729	481117.8	3768788	2.52E-02	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
2730	481037.9	3768792	2.94E-02	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00
2731	481030.3	3768787	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00
2732	481022.8	3768781	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
2733	481015.3	3768776	3.40E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
2734	481007.8	3768771	3.55E-02	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
2735	481000.3	3768765	3.70E-02	0.00E+00	0.00E+00	3.66E-02	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00
2736	480992.8	3768760	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00
2737	480955.2	3768733	4.53E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00
2738	480947.6	3768728	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00
2739	480940.1	3768723	4.74E-02	0.00E+00	0.00E+00	4.69E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2740	480932.6	3768717	4.84E-02	0.00E+00	0.00E+00	4.79E-02	0.00E+00	0.00E+00	8.80E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00
2741	480925.1	3768712	4.93E-02	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00
2742	480917.6	3768706	5.00E-02	0.00E+00	0.00E+00	4.95E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00
2743	480910	3768701	5.07E-02	0.00E+00	0.00E+00	5.02E-02	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00
2744	480902.5	3768696	5.13E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00
2745	480895	3768690	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
2746	480887.5	3768685	5.20E-02	0.00E+00	0.00E+00	5.15E-02	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00
2747	480880	3768680	5.23E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
2748	480869.6	3768666	5.34E-02	0.00E+00	0.00E+00	5.28E-02	0.00E+00	0.00E+00	9.70E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00
2749	480866.8	3768657	5.42E-02	0.00E+00	0.00E+00	5.36E-02	0.00E+00	0.00E+00	9.85E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00
2750	480864	3768648	5.49E-02	0.00E+00	0.00E+00	5.43E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00
2751	480861.2	3768639	5.55E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00
2752	480858.4	3768631	5.59E-02	0.00E+00	0.00E+00	5.54E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00
2753	480855.6	3768622	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
2754	480852.8	3768613	5.64E-02	0.00E+00	0.00E+00	5.58E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00
2755	480850	3768604	5.63E-02	0.00E+00	0.00E+00	5.57E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00
2756	480847.2	3768595	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
2757	480844.4	3768587	5.58E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
2758	480841.6	3768578	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00
2759	480838.8	3768569	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
2760	480835.9	3768560	5.41E-02	0.00E+00	0.00E+00	5.35E-02	0.00E+00	0.00E+00	9.83E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00
2761	480833.1	3768552	5.32E-02	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00
2762	480830.3	3768543	5.23E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.50E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
2763	480827.5	3768534	5.12E-02	0.00E+00	0.00E+									

2791	480908.5	3768735	4.39E-02	0.00E+00	0.00E+00	4.34E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00
2792	480901	3768730	4.47E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
2793	480893.5	3768724	4.54E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
2794	480885.9	3768719	4.60E-02	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	8.37E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00
2795	480878.4	3768714	4.66E-02	0.00E+00	0.00E+00	4.61E-02	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00
2796	480870.8	3768708	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00
2797	480863.3	3768703	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2798	480855.8	3768698	4.78E-02	0.00E+00	0.00E+00	4.73E-02	0.00E+00	0.00E+00	8.68E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00
2799	480845.4	3768683	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
2800	480842.6	3768675	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
2801	480839.8	3768666	5.05E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
2802	480837	3768657	5.11E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
2803	480834.2	3768648	5.16E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
2804	480831.3	3768639	5.20E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00
2805	480828.5	3768631	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
2806	480825.7	3768622	5.23E-02	0.00E+00	0.00E+00	5.18E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00
2807	480822.9	3768613	5.23E-02	0.00E+00	0.00E+00	5.18E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00
2808	480820.1	3768604	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00
2809	480817.3	3768595	5.19E-02	0.00E+00	0.00E+00	5.14E-02	0.00E+00	0.00E+00	9.44E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00
2810	480814.5	3768587	5.16E-02	0.00E+00	0.00E+00	5.10E-02	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
2811	480811.6	3768578	5.11E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
2812	480808.8	3768569	5.04E-02	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00
2813	480806	3768560	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
2814	480803.2	3768551	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.88E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
2815	480800.4	3768543	4.79E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00
2816	480797.6	3768534	4.69E-02	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
2817	480794.8	3768525	4.58E-02	0.00E+00	0.00E+00	4.53E-02	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00
2818	480791.9	3768516	4.46E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
2819	480789.1	3768507	4.34E-02	0.00E+00	0.00E+00	4.29E-02	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00
2820	480786.3	3768499	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
2821	480783.5	3768490	4.07E-02	0.00E+00	0.00E+00	4.03E-02	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00
2822	480780.7	3768481	3.93E-02	0.00E+00	0.00E+00	3.89E-02	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00
2823	481036.7	3768826	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
2824	481045.8	3768829	2.21E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
2825	481054.9	3768831	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
2826	481064	3768834	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2827	481073.1	3768837	1.94E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
2828	481082.2	3768840	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
2829	481091.3	3768843	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
2830	481100.4	3768845	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2831	481109.5	3768848	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2832	481020.4	3768849	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2833	481012.8	3768844	2.13E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
2834	481005.3	3768839	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
2835	480997.7	3768833	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2836	480990.2	3768828	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
2837	480982.6	3768822	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
2838	480975.1	3768817	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
2839	480967.5	3768812	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00
2840	480960	3768806	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
2841	480952.4	3768801	3.08E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
2842	480944.9	3768796	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
2843	480937.3	3768790	3.31E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
2844	480929.7	3768785	3.42E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00
2845	480922.2	3768780	3.53E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
2846	480914.6	3768774	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
2847	480907.1	3768769	3.73E-02	0.00E+00	0.00E+00	3.69E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
2848	480899.5	3768763	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
2849	480891.8	3768757	4.20E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00
2850	480884.2	3768751	4.26E-02	0.00E+00	0.00E+00	4.21E-02	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00
2851	480876.7	3768746	4.31E-02	0.00E+00	0.00E+00	4.26E-02	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00
2852	480869.1	3768741	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
2853	480861.6	3768735	4.38E-02	0.00E+00	0.00E+00	4.33E-02	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00
2854	480854.1	3768730	4.49E-02	0.00E+00	0.00E+									

2882	481055.2	3768863	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2883	481064.3	3768866	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
2884	481073.4	3768868	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2885	481082.6	3768871	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2886	481091.7	3768874	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2887	481100.8	3768877	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
2888	481011.6	3768878	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
2889	481004.1	3768873	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
2890	480996.5	3768867	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
2891	480988.9	3768862	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
2892	480981.4	3768856	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
2893	480973.8	3768851	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
2894	480966.2	3768846	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
2895	480958.7	3768840	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00
2896	480951.1	3768835	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
2897	480943.5	3768830	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
2898	480936	3768824	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
2899	480928.4	3768819	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
2900	480920.8	3768814	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
2901	480913.3	3768808	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
2902	480905.7	3768803	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
2903	480898.2	3768797	3.23E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
2904	480890.6	3768792	3.32E-02	0.00E+00	0.00E+00	3.29E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00
2905	480883	3768787	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
2906	480875.5	3768781	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
2907	480867.9	3768776	3.58E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00
2908	480860.3	3768771	3.66E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
2909	480852.8	3768765	3.73E-02	0.00E+00	0.00E+00	3.69E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00
2910	480845.2	3768760	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
2911	480807.4	3768733	4.03E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
2912	480797	3768719	4.14E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00
2913	480794.2	3768710	4.22E-02	0.00E+00	0.00E+00	4.18E-02	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00
2914	480791.3	3768701	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
2915	480788.5	3768692	4.36E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00
2916	480785.7	3768683	4.42E-02	0.00E+00	0.00E+00	4.37E-02	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00
2917	480782.9	3768675	4.46E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
2918	480780	3768666	4.50E-02	0.00E+00	0.00E+00	4.46E-02	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00
2919	480777.2	3768657	4.53E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
2920	480774.4	3768648	4.55E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
2921	480771.6	3768639	4.56E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
2922	480768.7	3768630	4.56E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
2923	480765.9	3768622	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
2924	480763.1	3768613	4.54E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
2925	480760.3	3768604	4.51E-02	0.00E+00	0.00E+00	4.46E-02	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00
2926	480757.4	3768595	4.47E-02	0.00E+00	0.00E+00	4.43E-02	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00
2927	480754.6	3768586	4.43E-02	0.00E+00	0.00E+00	4.38E-02	0.00E+00	0.00E+00	8.04E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00
2928	480751.8	3768577	4.37E-02	0.00E+00	0.00E+00	4.33E-02	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00
2929	481019.2	3768883	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2930	481028.3	3768886	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2931	481037.4	3768889	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
2932	481046.5	3768892	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2933	481055.6	3768894	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2934	481064.7	3768897	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2935	481073.8	3768900	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2936	481082.9	3768903	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2937	481092	3768905	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2938	481002.9	3768907	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2939	480995.3	3768901	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2940	480987.7	3768896	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
2941	480980.2	3768891	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
2942	480972.6	3768885	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
2943	480965	3768880	1.84E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
2944	480957.4	3768874	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
2945	480949.9	3768869	2.03E-02	0.00E+00	0.00E+00									

2973	480753	3768675	4.22E-02	0.00E+00	0.00E+00	4.18E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00
2974	480750.1	3768666	4.25E-02	0.00E+00	0.00E+00	4.21E-02	0.00E+00	0.00E+00	7.73E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00
2975	480710.5	3768542	3.77E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
2976	480707.7	3768533	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
2977	480704.9	3768524	3.60E-02	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00
2978	480702	3768515	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
2979	480699.2	3768506	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
2980	480696.4	3768498	3.31E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
2981	480693.5	3768489	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
2982	480690.7	3768480	3.10E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
2983	481010.5	3768912	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2984	481019.6	3768915	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
2985	481028.7	3768918	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2986	481037.8	3768920	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2987	481046.9	3768923	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
2988	481056	3768926	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2989	481065.1	3768929	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2990	481074.2	3768931	9.96E-03	0.00E+00	0.00E+00	9.86E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2991	481083.3	3768934	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00
2992	480994.2	3768935	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2993	480986.6	3768930	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2994	480979	3768925	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2995	480971.4	3768919	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
2996	480963.8	3768914	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
2997	480956.2	3768908	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2998	480948.6	3768903	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
2999	480941	3768898	1.72E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
3000	480933.5	3768892	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
3001	480925.9	3768887	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
3002	480918.3	3768881	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
3003	480910.7	3768876	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
3004	480903.1	3768871	2.15E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
3005	480895.5	3768865	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
3006	480887.9	3768860	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
3007	480880.4	3768855	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
3008	480872.8	3768849	2.49E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
3009	480865.2	3768844	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
3010	480857.6	3768838	2.65E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3011	480850	3768833	2.73E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3012	480842.4	3768828	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.11E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00
3013	480834.8	3768822	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
3014	480827.2	3768817	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
3015	480819.7	3768811	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
3016	480812.1	3768806	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
3017	480804.5	3768801	3.16E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
3018	480796.9	3768795	3.21E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
3019	480789.3	3768790	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
3020	480781.7	3768785	3.32E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00
3021	480774.1	3768779	3.36E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00
3022	480766.6	3768774	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3023	480759	3768768	3.44E-02	0.00E+00	0.00E+00	3.40E-02	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00
3024	480708.9	3768630	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
3025	480706	3768621	3.99E-02	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00
3026	480703.2	3768612	3.96E-02	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
3027	480700.4	3768604	3.93E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
3028	480697.5	3768595	3.88E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
3029	480694.7	3768586	3.84E-02	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00
3030	480691.9	3768577	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
3031	480689	3768568	3.72E-02	0.00E+00	0.00E+00	3.68E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00
3032	480686.2	3768559	3.66E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
3033	480683.4	3768550	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3034	480680.5	3768541	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
3035	480677.7	3768533	3.43E-02	0.00E+00	0.00E+00	3.39E-02	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00
3036	480674.9	3768524	3.34E-02	0.00E+00	0.00E+00	3								

3069	480848.7	3768867	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
3070	480841.1	3768862	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
3071	480833.5	3768856	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
3072	480825.9	3768851	2.53E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
3073	480818.3	3768845	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
3074	480810.7	3768840	2.67E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00
3075	480803.1	3768835	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
3076	480795.5	3768829	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
3077	480787.9	3768824	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00
3078	480780.3	3768818	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
3079	480772.7	3768813	2.97E-02	0.00E+00	0.00E+00	2.94E-02	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
3080	480765.1	3768808	3.03E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
3081	480757.5	3768802	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
3082	480750	3768797	3.12E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3083	480742.4	3768792	3.16E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
3084	480707.3	3768719	3.65E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00
3085	480704.5	3768710	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00
3086	480701.6	3768701	3.73E-02	0.00E+00	0.00E+00	3.69E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00
3087	480698.8	3768692	3.76E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
3088	480696	3768683	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00
3089	480693.1	3768674	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
3090	480690.3	3768665	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
3091	480687.5	3768657	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
3092	480684.6	3768648	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
3093	480681.8	3768639	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
3094	480678.9	3768630	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
3095	480676.1	3768621	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00
3096	480673.3	3768612	3.71E-02	0.00E+00	0.00E+00	3.67E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00
3097	480670.4	3768603	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
3098	480667.6	3768594	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00
3099	480664.8	3768586	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3100	480661.9	3768577	3.53E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
3101	480659.1	3768568	3.47E-02	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00
3102	480656.3	3768559	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
3103	480653.4	3768550	3.34E-02	0.00E+00	0.00E+00	3.30E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
3104	480650.6	3768541	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
3105	480647.7	3768532	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
3106	480644.9	3768523	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3107	480642.1	3768515	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
3108	480639.2	3768506	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00
3109	480636.4	3768497	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
3110	480633.6	3768488	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
3111	480630.7	3768479	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
3112	480993	3768969	9.86E-03	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
3113	481002.1	3768972	9.47E-03	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00
3114	481011.2	3768975	9.10E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
3115	481020.3	3768978	8.73E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00
3116	481029.4	3768981	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
3121	480976.7	3768993	8.96E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00
3122	480969.1	3768987	9.42E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00
3123	480961.5	3768982	9.90E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
3124	480953.9	3768977	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3125	480946.3	3768971	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3126	480938.7	3768966	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3127	480931.1	3768960	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3128	480923.5	3768955	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3129	480915.9	3768950	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
3130	480908.2	3768944	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3131	480900.6	3768939	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
3132	480893	3768933	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
3133	480885.4	3768928	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3134	480877.8	3768923	1.65E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
3135	480870.2	3768917	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
3136	480862.6	3768912	1.79E-02	0.00E+00	0.00									

3164	480666	3768683	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00
3165	480663.2	3768674	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3166	480660.4	3768665	3.59E-02	0.00E+00	0.00E+00	3.56E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00
3167	480657.5	3768656	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3168	480654.7	3768647	3.58E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00
3169	480651.8	3768639	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
3170	480649	3768630	3.54E-02	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
3171	480646.2	3768621	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
3172	480643.3	3768612	3.48E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00
3173	480640.5	3768603	3.45E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
3174	480637.6	3768594	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3175	480634.8	3768585	3.36E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
3176	480632	3768576	3.30E-02	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00
3177	480629.1	3768568	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
3178	480626.3	3768559	3.18E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00
3179	480623.4	3768550	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3180	480620.6	3768541	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00
3181	480617.8	3768532	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
3182	480614.9	3768523	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3183	480612.1	3768514	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
3184	480609.2	3768505	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
3185	480606.4	3768496	2.68E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
3186	480603.6	3768488	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
3187	480600.7	3768479	2.52E-02	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
3188	480984.3	3768998	8.53E-03	0.00E+00	0.00E+00	8.44E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00
3189	480993.4	3769001	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
3190	481002.5	3769004	7.89E-03	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00
3191	481011.6	3769006	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
3192	481020.7	3769009	7.29E-03	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00
3193	481029.8	3769012	7.01E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00
3197	480967.9	3769021	7.80E-03	0.00E+00	0.00E+00	7.72E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00
3198	480960.3	3769016	8.18E-03	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00
3199	480952.7	3769011	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
3200	480945.1	3769005	9.02E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00
3201	480937.5	3769000	9.46E-03	0.00E+00	0.00E+00	9.36E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00
3202	480929.9	3768994	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
3203	480922.3	3768989	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3204	480914.7	3768984	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3205	480907.1	3768978	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3206	480899.4	3768973	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3207	480891.8	3768967	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
3208	480884.2	3768962	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3209	480876.6	3768957	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
3210	480869	3768951	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
3211	480861.4	3768946	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
3212	480853.8	3768940	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
3213	480846.2	3768935	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
3214	480838.6	3768930	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
3215	480831	3768924	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
3216	480823.3	3768919	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
3217	480815.7	3768913	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3218	480808.1	3768908	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
3219	480800.5	3768903	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3220	480792.9	3768897	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
3221	480785.3	3768892	2.13E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
3222	480777.7	3768886	2.19E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
3223	480770.1	3768881	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
3224	480762.5	3768876	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
3225	480754.8	3768870	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00
3226	480747.2	3768865	2.42E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
3227	480709.2	3768838	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3228	480701.6	3768832	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00
3229	480694	3768827	2.73E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3230	480686.3	3768822	2.77E-02	0.00E+00	0.00E+00									

3258	480593.5	3768549	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
3259	480590.6	3768541	2.86E-02	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00
3260	480587.8	3768532	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
3261	480584.9	3768523	2.72E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00
3262	480582.1	3768514	2.65E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3263	480579.3	3768505	2.58E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3264	480576.4	3768496	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
3265	480573.6	3768487	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
3266	480570.7	3768478	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
3267	480975.6	3769027	7.43E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00
3268	480984.7	3769030	7.16E-03	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00
3269	480993.8	3769032	6.90E-03	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00
3270	481002.9	3769035	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00
3271	481012	3769038	6.40E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
3272	481021.1	3769041	6.16E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
3273	481030.2	3769043	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00
3276	480959.2	3769050	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
3277	480951.6	3769045	7.16E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00
3278	480944	3769039	7.50E-03	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00
3279	480936.4	3769034	7.86E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00
3280	480928.7	3769029	8.24E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00
3281	480921.1	3769023	8.63E-03	0.00E+00	0.00E+00	8.54E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00
3282	480913.5	3769018	9.05E-03	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00
3283	480905.9	3769012	9.48E-03	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00
3284	480898.3	3769007	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
3285	480890.7	3769001	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
3286	480883	3768996	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
3287	480875.4	3768991	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
3288	480867.8	3768985	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
3289	480860.2	3768980	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
3290	480852.6	3768974	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3291	480845	3768969	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
3292	480837.3	3768964	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
3293	480829.7	3768958	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
3294	480822.1	3768953	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
3295	480814.5	3768947	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
3296	480806.9	3768942	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
3297	480799.2	3768937	1.69E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
3298	480791.6	3768931	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
3299	480784	3768926	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
3300	480776.4	3768920	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3301	480768.8	3768915	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
3302	480761.2	3768910	1.99E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
3303	480753.5	3768904	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
3304	480745.9	3768899	2.10E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
3305	480707.8	3768872	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
3306	480700.2	3768866	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00
3307	480692.6	3768861	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
3308	480685	3768855	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
3309	480677.4	3768850	2.52E-02	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	4.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
3310	480669.8	3768845	2.55E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
3311	480662.1	3768839	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3312	480651.7	3768825	2.68E-02	0.00E+00	0.00E+00	2.65E-02	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
3313	480648.8	3768816	2.74E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
3314	480646	3768807	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
3315	480643.1	3768798	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
3316	480640.3	3768789	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3317	480637.5	3768780	2.96E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
3318	480634.6	3768772	3.00E-02	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
3319	480631.8	3768763	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
3320	480623.2	3768736	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
3321	480620.4	3768727	3.17E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
3322	480617.5	3768718	3.19E-02	0.00E+00	0.00E+00	3.16E-02	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00
3323	480614.7	3768709	3.21E-02	0.00E+00	0.00E+00									

3351	480975.9	3769058	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
3352	480985	3769061	6.07E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
3353	480994.1	3769064	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
3354	481003.2	3769067	5.66E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
3355	481012.4	3769069	5.46E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
3356	481021.5	3769072	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
3357	481224	3768533	3.01E-01	0.00E+00	0.00E+00	2.98E-01	0.00E+00	0.00E+00	5.47E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00
3358	481220.9	3768542	2.62E-01	0.00E+00	0.00E+00	2.59E-01	0.00E+00	0.00E+00	4.76E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00
3359	481217.8	3768551	2.31E-01	0.00E+00	0.00E+00	2.28E-01	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00
3360	481214.8	3768561	2.05E-01	0.00E+00	0.00E+00	2.02E-01	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00
3361	481211.7	3768570	1.83E-01	0.00E+00	0.00E+00	1.81E-01	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00
3362	481208.6	3768579	1.64E-01	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00
3363	481205.5	3768589	1.47E-01	0.00E+00	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00
3364	481202.4	3768598	1.33E-01	0.00E+00	0.00E+00	1.31E-01	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00
3365	481199.4	3768607	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
3366	481196.3	3768617	1.09E-01	0.00E+00	0.00E+00	1.07E-01	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
3367	481193.2	3768626	9.86E-02	0.00E+00	0.00E+00	9.76E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
3368	481190.1	3768635	8.96E-02	0.00E+00	0.00E+00	8.87E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00
3369	481187	3768645	8.16E-02	0.00E+00	0.00E+00	8.08E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00
3370	481184	3768654	7.45E-02	0.00E+00	0.00E+00	7.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00
3371	481180.9	3768663	6.80E-02	0.00E+00	0.00E+00	6.73E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00
3372	481177.8	3768673	6.23E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00
3373	481174.7	3768682	5.71E-02	0.00E+00	0.00E+00	5.65E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00
3374	481171.6	3768692	5.24E-02	0.00E+00	0.00E+00	5.18E-02	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00
3375	481168.5	3768701	4.81E-02	0.00E+00	0.00E+00	4.76E-02	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00
3376	481165.5	3768710	4.43E-02	0.00E+00	0.00E+00	4.38E-02	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00
3377	481162.4	3768720	4.08E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00
3378	481159.3	3768729	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
3379	481150.1	3768757	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
3380	481147	3768766	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
3381	481143.9	3768776	2.58E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3382	481140.8	3768785	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
3383	481138.9	3768851	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
3384	481109.6	3768880	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3385	481240.4	3768538	2.95E-01	0.00E+00	0.00E+00	2.92E-01	0.00E+00	0.00E+00	5.36E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00
3386	481229.7	3768545	2.59E-01	0.00E+00	0.00E+00	2.56E-01	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00
3387	481226.8	3768554	2.27E-01	0.00E+00	0.00E+00	2.24E-01	0.00E+00	0.00E+00	4.12E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00
3388	481224	3768564	2.01E-01	0.00E+00	0.00E+00	1.98E-01	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00
3389	481221.1	3768573	1.78E-01	0.00E+00	0.00E+00	1.76E-01	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00
3390	481218.3	3768582	1.59E-01	0.00E+00	0.00E+00	1.57E-01	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00
3391	481215.4	3768592	1.43E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00
3392	481212.5	3768601	1.28E-01	0.00E+00	0.00E+00	1.27E-01	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00
3393	481209.7	3768611	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
3394	481206.8	3768620	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
3395	481204	3768629	9.41E-02	0.00E+00	0.00E+00	9.31E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00
3396	481201.1	3768639	8.52E-02	0.00E+00	0.00E+00	8.43E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00
3397	481198.2	3768648	7.74E-02	0.00E+00	0.00E+00	7.66E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00
3398	481195.4	3768658	7.03E-02	0.00E+00	0.00E+00	6.96E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00
3399	481192.5	3768667	6.41E-02	0.00E+00	0.00E+00	6.34E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00
3400	481189.7	3768676	5.85E-02	0.00E+00	0.00E+00	5.78E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00
3401	481186.8	3768686	5.34E-02	0.00E+00	0.00E+00	5.29E-02	0.00E+00	0.00E+00	9.71E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00
3402	481183.9	3768695	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.88E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
3403	481181.1	3768705	4.48E-02	0.00E+00	0.00E+00	4.44E-02	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00
3404	481178.2	3768714	4.12E-02	0.00E+00	0.00E+00	4.07E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
3405	481175.4	3768724	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
3406	481172.5	3768733	3.49E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
3407	481163.9	3768761	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
3408	481161.1	3768771	2.55E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
3409	481158.2	3768780	2.37E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00
3410	481155.3	3768789	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
3411	481152.5	3768799	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
3412	481143.8	3768828	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
3413	481118.4	3768883	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3414	481104.9	3768910	1.04E-02	0.00E+00	0.00E+00									

3450	481225.2	3768656	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00
3451	481206.8	3768661	6.61E-02	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00
3452	481222.6	3768665	6.05E-02	0.00E+00	0.00E+00	5.98E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00
3453	481204.2	3768671	6.01E-02	0.00E+00	0.00E+00	5.94E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00
3454	481219.9	3768675	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
3455	481201.5	3768680	5.46E-02	0.00E+00	0.00E+00	5.41E-02	0.00E+00	0.00E+00	9.93E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00
3456	481217.3	3768684	4.97E-02	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00
3457	481198.9	3768690	4.98E-02	0.00E+00	0.00E+00	4.93E-02	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00
3458	481214.7	3768694	4.52E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00
3459	481196.2	3768699	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
3460	481212	3768703	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
3461	481193.6	3768708	4.16E-02	0.00E+00	0.00E+00	4.11E-02	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00
3462	481209.4	3768713	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
3463	481191	3768718	3.81E-02	0.00E+00	0.00E+00	3.77E-02	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
3464	481206.7	3768722	3.45E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
3465	481188.3	3768727	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
3466	481204.1	3768732	3.17E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
3467	481180.4	3768756	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3468	481196.2	3768760	2.47E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
3469	481177.8	3768765	2.53E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00
3470	481193.5	3768770	2.29E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
3471	481175.1	3768775	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
3472	481190.9	3768779	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
3473	481172.5	3768784	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
3474	481188.3	3768789	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
3475	481169.9	3768794	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
3476	481185.6	3768798	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3477	481167.2	3768803	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3478	481183	3768808	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
3479	481159.2	3768832	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
3480	481174.9	3768837	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3481	481147	3768860	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3482	481159	3768863	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
3483	481143.1	3768890	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
3484	481158.9	3768894	9.71E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00
3485	481142.9	3768921	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00
3491	481270.5	3768546	2.78E-01	0.00E+00	0.00E+00	2.75E-01	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00
3492	481267.9	3768555	2.37E-01	0.00E+00	0.00E+00	2.34E-01	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00
3493	481265.4	3768565	2.04E-01	0.00E+00	0.00E+00	2.02E-01	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00
3494	481262.8	3768574	1.77E-01	0.00E+00	0.00E+00	1.75E-01	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00
3495	481260.3	3768584	1.55E-01	0.00E+00	0.00E+00	1.53E-01	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00
3496	481257.7	3768593	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
3497	481255.2	3768603	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
3498	481252.6	3768612	1.07E-01	0.00E+00	0.00E+00	1.06E-01	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00
3499	481250.1	3768622	9.50E-02	0.00E+00	0.00E+00	9.40E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00
3500	481247.5	3768631	8.47E-02	0.00E+00	0.00E+00	8.39E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00
3501	481245	3768641	7.58E-02	0.00E+00	0.00E+00	7.50E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00
3502	481242.4	3768650	6.80E-02	0.00E+00	0.00E+00	6.73E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00
3503	481239.9	3768660	6.12E-02	0.00E+00	0.00E+00	6.06E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00
3504	481237.3	3768669	5.52E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00
3505	481234.8	3768679	4.99E-02	0.00E+00	0.00E+00	4.94E-02	0.00E+00	0.00E+00	9.06E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00
3506	481232.2	3768688	4.52E-02	0.00E+00	0.00E+00	4.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00
3507	481229.7	3768698	4.11E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00
3508	481227.1	3768707	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
3509	481224.6	3768717	3.41E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
3510	481222	3768726	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3511	481212.8	3768734	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
3512	481205.1	3768763	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
3513	481202.6	3768772	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
3514	481200	3768782	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3515	481197.5	3768791	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
3516	481194.9	3768801	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
3517	481192.4	3768810	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
3518	481184.6	3768839	1.32E-02	0.00E+00	0.00E+00									

3546	481261	3768664	5.39E-02	0.00E+00	0.00E+00	5.34E-02	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00
3547	481247.6	3768672	5.19E-02	0.00E+00	0.00E+00	5.13E-02	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
3548	481259.4	3768674	4.82E-02	0.00E+00	0.00E+00	4.77E-02	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00
3549	481245.7	3768681	4.66E-02	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00
3550	481257.8	3768684	4.33E-02	0.00E+00	0.00E+00	4.28E-02	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00
3551	481243.8	3768691	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
3552	481256.2	3768693	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00
3553	481241.9	3768701	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
3554	481254.6	3768703	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
3555	481239.9	3768710	3.45E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00
3556	481253	3768713	3.17E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
3557	481239.7	3768720	3.10E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
3558	481251.4	3768722	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
3559	481237.9	3768730	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
3560	481249.9	3768732	2.61E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
3561	481232.4	3768759	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
3562	481220.4	3768756	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
3563	481245.1	3768761	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3564	481230.6	3768769	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
3565	481218.1	3768766	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
3566	481243.5	3768771	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3567	481228.7	3768778	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3568	481215.8	3768775	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
3569	481241.9	3768781	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
3570	481228.2	3768788	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
3571	481217.5	3768786	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
3572	481240.3	3768790	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
3573	481226.5	3768798	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
3574	481215.3	3768795	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
3575	481238.7	3768800	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
3576	481224.7	3768807	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
3577	481213.1	3768805	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
3578	481237.1	3768810	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
3579	481222.9	3768817	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
3580	481211	3768815	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
3581	481235.5	3768819	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3582	481217.5	3768847	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3583	481204.4	3768844	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
3584	481230.7	3768849	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3585	481213.2	3768876	9.08E-03	0.00E+00	0.00E+00	8.99E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00
3586	481201.3	3768874	9.63E-03	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00
3587	481225.8	3768879	8.57E-03	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00
3588	481207.9	3768906	7.69E-03	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00
3589	481195	3768903	8.14E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00
3590	481182.2	3768900	8.64E-03	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00
3591	481221	3768908	7.27E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
3592	481203.5	3768936	6.57E-03	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00
3593	481191.7	3768933	6.90E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00
3594	481179.8	3768930	7.25E-03	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00
3595	481216.1	3768938	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00
3596	481198.3	3768965	5.72E-03	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00
3597	481185.6	3768962	6.00E-03	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00
3598	481172.9	3768960	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
3599	481211.3	3768968	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
3600	481193.8	3768995	5.02E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00
3601	481182	3768992	5.23E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
3602	481170.1	3768990	5.45E-03	0.00E+00	0.00E+00	5.39E-03	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00
3603	481206.4	3768997	4.83E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00
3604	481176	3769022	4.65E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00
3605	481163.5	3769019	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
3606	481191.9	3769086	3.50E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
3607	481173.8	3769113	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
3608	481160.7	3769110	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
3609	481147.5	3769107	3.51E-03	0.00E+00	0.00E+00									

3637	481261.6	3768724	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00
3638	481279.4	3768727	2.41E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
3639	481260.2	3768734	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
3640	481257.3	3768753	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
3641	481275.1	3768756	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
3642	481255.9	3768763	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3643	481273.7	3768766	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
3644	481254.5	3768773	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
3645	481272.2	3768775	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
3646	481253	3768782	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3647	481270.8	3768785	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
3648	481251.6	3768792	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
3649	481269.4	3768795	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
3650	481250.2	3768802	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3651	481268	3768805	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
3652	481248.8	3768812	1.27E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
3653	481266.5	3768814	1.16E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
3654	481247.3	3768821	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
3655	481265.1	3768824	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
3656	481243	3768851	9.69E-03	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00
3657	481260.8	3768854	8.94E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00
3658	481238.7	3768881	8.11E-03	0.00E+00	0.00E+00	8.02E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00
3659	481256.4	3768883	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00
3660	481234.3	3768910	6.90E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00
3661	481252.1	3768913	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00
3662	481230	3768940	5.97E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
3663	481238.8	3768941	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
3664	481225.6	3768970	5.23E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00
3665	481243.4	3768972	4.96E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
3666	481221.3	3768999	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00
3667	481203.4	3769088	3.41E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00
3668	481217.1	3769090	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
3669	481226	3769091	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
3670	481198.8	3769117	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
3671	481212.8	3769120	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
3672	481313.1	3768562	2.11E-01	0.00E+00	0.00E+00	2.09E-01	0.00E+00	0.00E+00	3.83E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00
3673	481304.9	3768571	1.80E-01	0.00E+00	0.00E+00	1.78E-01	0.00E+00	0.00E+00	3.27E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00
3674	481319.6	3768573	1.71E-01	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00
3675	481304	3768581	1.53E-01	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00
3676	481318.7	3768582	1.44E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00
3677	481303.1	3768591	1.30E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
3678	481317.8	3768592	1.22E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00
3679	481302.3	3768601	1.12E-01	0.00E+00	0.00E+00	1.11E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
3680	481317	3768602	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
3681	481301.4	3768610	9.65E-02	0.00E+00	0.00E+00	9.54E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00
3682	481316.1	3768612	8.94E-02	0.00E+00	0.00E+00	8.85E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00
3683	481300.5	3768620	8.36E-02	0.00E+00	0.00E+00	8.27E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00
3684	481315.2	3768622	7.71E-02	0.00E+00	0.00E+00	7.63E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.83E-03	0.00E+00	0.00E+00
3685	481299.6	3768630	7.27E-02	0.00E+00	0.00E+00	7.20E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00
3686	481314.3	3768631	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00
3687	481298.7	3768640	6.36E-02	0.00E+00	0.00E+00	6.29E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00
3688	481313.4	3768641	5.83E-02	0.00E+00	0.00E+00	5.77E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00
3689	481297.9	3768650	5.57E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
3690	481312.6	3768651	5.10E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00
3691	481304.3	3768660	4.69E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
3692	481292	3768669	4.45E-02	0.00E+00	0.00E+00	4.41E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00
3693	481303.4	3768670	4.15E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.54E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00
3694	481290.8	3768678	3.96E-02	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
3695	481302.6	3768680	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
3696	481289.7	3768688	3.53E-02	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
3697	481301.7	3768689	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
3698	481288.5	3768698	3.17E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
3699	481300.8	3768699	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
3700	481292.6	3768708	2.75E-02	0.00E+00	0.00E+00									

3728	481265.4	3768945	5.34E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00
3729	481253.6	3768943	5.53E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
3730	481278.7	3768946	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
3731	481262.3	3768975	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
3732	481276	3768976	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
3733	481254.5	3769064	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
3734	481267.9	3769066	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
3735	481251.5	3769094	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
3736	481238.8	3769093	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
3737	481265.2	3769096	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
3738	481248.5	3769124	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
3739	481235.1	3769122	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00
3740	481262.6	3769125	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
3741	481323.2	3768563	2.05E-01	0.00E+00	0.00E+00	2.03E-01	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00
3742	481336.7	3768563	1.98E-01	0.00E+00	0.00E+00	1.96E-01	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00
3743	481329.8	3768573	1.66E-01	0.00E+00	0.00E+00	1.65E-01	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00
3744	481343.3	3768573	1.59E-01	0.00E+00	0.00E+00	1.58E-01	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00
3745	481329.6	3768583	1.39E-01	0.00E+00	0.00E+00	1.37E-01	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
3746	481343.1	3768583	1.32E-01	0.00E+00	0.00E+00	1.30E-01	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00
3747	481329.4	3768593	1.16E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00
3748	481342.9	3768593	1.10E-01	0.00E+00	0.00E+00	1.09E-01	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00
3749	481329.2	3768602	9.86E-02	0.00E+00	0.00E+00	9.76E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
3750	481342.7	3768603	9.25E-02	0.00E+00	0.00E+00	9.16E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00
3751	481329	3768612	8.40E-02	0.00E+00	0.00E+00	8.31E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00
3752	481342.6	3768612	7.84E-02	0.00E+00	0.00E+00	7.76E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00
3753	481328.9	3768622	7.19E-02	0.00E+00	0.00E+00	7.11E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00
3754	481342.4	3768622	6.69E-02	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00
3755	481328.7	3768632	6.19E-02	0.00E+00	0.00E+00	6.12E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00
3756	481342.2	3768632	5.74E-02	0.00E+00	0.00E+00	5.68E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00
3757	481328.5	3768642	5.35E-02	0.00E+00	0.00E+00	5.30E-02	0.00E+00	0.00E+00	9.73E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00
3758	481342	3768642	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00
3759	481328.3	3768652	4.65E-02	0.00E+00	0.00E+00	4.61E-02	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00
3760	481341.8	3768652	4.30E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00
3761	481316.5	3768661	4.36E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00
3762	481328.1	3768661	4.07E-02	0.00E+00	0.00E+00	4.02E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00
3763	481341.6	3768662	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
3764	481316	3768671	3.84E-02	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00
3765	481327.9	3768671	3.57E-02	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
3766	481341.4	3768671	3.30E-02	0.00E+00	0.00E+00	3.26E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00
3767	481315.4	3768681	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
3768	481327.7	3768681	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00
3769	481341.2	3768681	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3770	481314.9	3768690	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
3771	481327.5	3768691	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
3772	481341	3768691	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
3773	481314.4	3768700	2.70E-02	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
3774	481327.3	3768701	2.50E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
3775	481340.8	3768701	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
3776	481320.4	3768710	2.33E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
3777	481333.9	3768711	2.16E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
3778	481315.6	3768720	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
3779	481327	3768720	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
3780	481340.5	3768721	1.87E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
3781	481315.2	3768730	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
3782	481326.8	3768730	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
3783	481340.3	3768730	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
3784	481313.9	3768759	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
3785	481326.2	3768760	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3786	481339.7	3768760	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3787	481313.5	3768769	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3788	481326	3768770	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
3789	481339.5	3768770	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
3790	481313.1	3768779	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
3791	481325.8	3768779	1.19E-02	0.00E+00	0.00E+00									

3819	481299.8	3768918	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
3820	481323.1	3768919	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
3821	481336.7	3768919	5.12E-03	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
3822	481309.9	3768948	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
3823	481297.9	3768947	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
3824	481322.6	3768949	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00
3825	481336.1	3768949	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00
3826	481296.1	3768977	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
3827	481320.8	3769039	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
3828	481334.3	3769039	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
3829	481307.1	3769068	3.10E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
3830	481294.4	3769067	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
3831	481281.7	3769067	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
3832	481320.3	3769069	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
3833	481333.8	3769069	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
3834	481306.2	3769098	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
3835	481292.8	3769097	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
3836	481279.3	3769097	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
3837	481319.7	3769099	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
3838	481333.2	3769099	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
3839	481306.3	3769128	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
3840	481294.2	3769127	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
3841	481282	3769127	2.68E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
3842	481319.1	3769129	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
3843	481332.6	3769129	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
3844	481353.3	3768563	1.89E-01	0.00E+00	0.00E+00	1.87E-01	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00
3845	481362.8	3768564	1.84E-01	0.00E+00	0.00E+00	1.82E-01	0.00E+00	0.00E+00	3.34E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00
3846	481372.3	3768564	1.77E-01	0.00E+00	0.00E+00	1.76E-01	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00
3847	481381.8	3768564	1.71E-01	0.00E+00	0.00E+00	1.69E-01	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00
3848	481391.3	3768564	1.64E-01	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00
3849	481400.9	3768564	1.56E-01	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00
3850	481410.4	3768564	1.48E-01	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
3851	481419.9	3768564	1.39E-01	0.00E+00	0.00E+00	1.38E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00
3852	481429.4	3768564	1.30E-01	0.00E+00	0.00E+00	1.29E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
3853	481438.9	3768564	1.21E-01	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00
3854	481448.4	3768565	1.12E-01	0.00E+00	0.00E+00	1.10E-01	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00
3855	481458	3768565	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
3856	481467.5	3768565	9.20E-02	0.00E+00	0.00E+00	9.11E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	9.34E-03	0.00E+00	0.00E+00
3857	481477	3768565	8.28E-02	0.00E+00	0.00E+00	8.20E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00
3858	481486.5	3768565	7.46E-02	0.00E+00	0.00E+00	7.39E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00
3859	481496	3768565	6.80E-02	0.00E+00	0.00E+00	6.73E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00
3860	481505.6	3768565	6.31E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
3861	481515.1	3768565	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00
3862	481524.6	3768566	5.67E-02	0.00E+00	0.00E+00	5.61E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00
3863	481353.1	3768573	1.54E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
3864	481362.7	3768573	1.48E-01	0.00E+00	0.00E+00	1.47E-01	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00
3865	481372.2	3768573	1.42E-01	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00
3866	481381.7	3768574	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
3867	481391.2	3768574	1.30E-01	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00
3868	481400.7	3768574	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
3869	481410.3	3768574	1.16E-01	0.00E+00	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
3870	481419.8	3768574	1.08E-01	0.00E+00	0.00E+00	1.07E-01	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00
3871	481429.3	3768574	1.01E-01	0.00E+00	0.00E+00	9.99E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00
3872	481438.8	3768574	9.33E-02	0.00E+00	0.00E+00	9.23E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00
3873	481448.3	3768574	8.57E-02	0.00E+00	0.00E+00	8.48E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00
3874	481457.8	3768575	7.82E-02	0.00E+00	0.00E+00	7.74E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00
3875	481467.4	3768575	7.12E-02	0.00E+00	0.00E+00	7.04E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00
3876	481476.9	3768575	6.47E-02	0.00E+00	0.00E+00	6.41E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00
3877	481486.4	3768575	5.93E-02	0.00E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00
3878	481495.9	3768575	5.50E-02	0.00E+00	0.00E+00	5.45E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00
3879	481505.4	3768575	5.18E-02	0.00E+00	0.00E+00	5.13E-02	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00
3880	481514.9	3768575	4.94E-02	0.00E+00	0.00E+00	4.89E-02	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00
3881	481524.5	3768575	4.74E-02	0.00E+00	0.00E+00	4.69E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
3882	481353	3768583	1.26E-01	0.00E+00	0.00E+									

3910	481438.6	3768594	5.94E-02	0.00E+00	0.00E+00	5.88E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
3911	481448.1	3768594	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
3912	481457.6	3768594	5.05E-02	0.00E+00	0.00E+00	5.00E-02	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00
3913	481467.1	3768594	4.67E-02	0.00E+00	0.00E+00	4.62E-02	0.00E+00	0.00E+00	8.49E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00
3914	481476.6	3768594	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
3915	481486.1	3768595	4.09E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00
3916	481495.7	3768595	3.88E-02	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
3917	481505.2	3768595	3.72E-02	0.00E+00	0.00E+00	3.68E-02	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00
3918	481514.7	3768595	3.58E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
3919	481524.2	3768595	3.47E-02	0.00E+00	0.00E+00	3.43E-02	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00
3920	481352.8	3768603	8.80E-02	0.00E+00	0.00E+00	8.71E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	8.93E-03	0.00E+00	0.00E+00
3921	481362.3	3768603	8.36E-02	0.00E+00	0.00E+00	8.28E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00
3922	481371.8	3768603	7.92E-02	0.00E+00	0.00E+00	7.84E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00
3923	481381.3	3768603	7.47E-02	0.00E+00	0.00E+00	7.39E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00
3924	481390.8	3768603	7.02E-02	0.00E+00	0.00E+00	6.95E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00
3925	481400.4	3768603	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00
3926	481409.9	3768603	6.13E-02	0.00E+00	0.00E+00	6.07E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00
3927	481419.4	3768604	5.70E-02	0.00E+00	0.00E+00	5.64E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00
3928	481428.9	3768604	5.28E-02	0.00E+00	0.00E+00	5.23E-02	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00
3929	481438.4	3768604	4.89E-02	0.00E+00	0.00E+00	4.84E-02	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00
3930	481447.9	3768604	4.53E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.23E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
3931	481457.5	3768604	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
3932	481467	3768604	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
3933	481476.5	3768604	3.69E-02	0.00E+00	0.00E+00	3.65E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
3934	481486	3768604	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
3935	481495.5	3768605	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
3936	481505.1	3768605	3.22E-02	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00
3937	481514.6	3768605	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
3938	481524.1	3768605	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
3939	481352.7	3768613	7.43E-02	0.00E+00	0.00E+00	7.35E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00
3940	481362.2	3768613	7.04E-02	0.00E+00	0.00E+00	6.96E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00
3941	481371.7	3768613	6.64E-02	0.00E+00	0.00E+00	6.57E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00
3942	481381.2	3768613	6.25E-02	0.00E+00	0.00E+00	6.18E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00
3943	481390.7	3768613	5.86E-02	0.00E+00	0.00E+00	5.80E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00
3944	481400.2	3768613	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
3945	481409.8	3768613	5.10E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
3946	481419.3	3768613	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
3947	481428.8	3768614	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
3948	481438.3	3768614	4.10E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00
3949	481447.8	3768614	3.82E-02	0.00E+00	0.00E+00	3.78E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00
3950	481457.3	3768614	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
3951	481466.9	3768614	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
3952	481476.4	3768614	3.18E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
3953	481485.9	3768614	3.03E-02	0.00E+00	0.00E+00	3.00E-02	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
3954	481495.4	3768614	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3955	481504.9	3768615	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
3956	481514.4	3768615	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3957	481524	3768615	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
3958	481352.5	3768622	6.31E-02	0.00E+00	0.00E+00	6.25E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
3959	481362	3768623	5.96E-02	0.00E+00	0.00E+00	5.90E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00
3960	481371.6	3768623	5.62E-02	0.00E+00	0.00E+00	5.56E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00
3961	481381.1	3768623	5.28E-02	0.00E+00	0.00E+00	5.22E-02	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00
3962	481390.6	3768623	4.94E-02	0.00E+00	0.00E+00	4.89E-02	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00
3963	481400.1	3768623	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
3964	481409.6	3768623	4.31E-02	0.00E+00	0.00E+00	4.26E-02	0.00E+00	0.00E+00	7.82E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00
3965	481419.1	3768623	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
3966	481428.7	3768623	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
3967	481438.2	3768623	3.49E-02	0.00E+00	0.00E+00	3.45E-02	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
3968	481447.7	3768624	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
3969	481457.2	3768624	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
3970	481466.7	3768624	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00
3971	481476.3	3768624	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
3972	481485.8	3768624	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
3973	481495.3	3768624	2.56E-02	0.00E+00	0.00									

4001	481399.9	3768643	3.39E-02	0.00E+00	0.00E+00	3.36E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
4002	481409.4	3768643	3.18E-02	0.00E+00	0.00E+00	3.14E-02	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
4003	481418.9	3768643	2.98E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00
4004	481428.4	3768643	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
4005	481437.9	3768643	2.64E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00
4006	481447.5	3768643	2.50E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
4007	481457	3768643	2.37E-02	0.00E+00	0.00E+00	2.35E-02	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
4008	481466.5	3768644	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
4009	481476	3768644	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
4010	481485.5	3768644	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
4011	481495	3768644	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
4012	481504.6	3768644	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
4013	481514.1	3768644	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
4014	481523.6	3768644	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
4015	481352.2	3768652	4.03E-02	0.00E+00	0.00E+00	3.99E-02	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00
4016	481361.7	3768652	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
4017	481371.2	3768652	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
4018	481380.7	3768652	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
4019	481390.2	3768652	3.15E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
4020	481399.7	3768653	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
4021	481409.3	3768653	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
4022	481418.8	3768653	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
4023	481428.3	3768653	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
4024	481437.8	3768653	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
4025	481447.3	3768653	2.22E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
4026	481456.8	3768653	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
4027	481466.4	3768653	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
4028	481475.9	3768653	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
4029	481485.4	3768654	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
4030	481494.9	3768654	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
4031	481504.4	3768654	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
4032	481513.9	3768654	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
4033	481523.5	3768654	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4034	481352	3768662	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
4035	481361.5	3768662	3.32E-02	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00
4036	481371.1	3768662	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
4037	481380.6	3768662	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00
4038	481390.1	3768662	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
4039	481399.6	3768662	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
4040	481409.1	3768662	2.45E-02	0.00E+00	0.00E+00	2.42E-02	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00
4041	481418.6	3768663	2.31E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
4042	481428.2	3768663	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
4043	481437.7	3768663	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
4044	481447.2	3768663	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
4045	481456.7	3768663	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
4046	481466.2	3768663	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
4047	481475.8	3768663	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
4048	481485.3	3768663	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4049	481494.8	3768664	1.67E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4050	481504.3	3768664	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
4051	481513.8	3768664	1.59E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
4052	481523.3	3768664	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
4053	481351.9	3768672	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
4054	481361.4	3768672	2.91E-02	0.00E+00	0.00E+00	2.88E-02	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
4055	481370.9	3768672	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	4.99E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00
4056	481380.5	3768672	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
4057	481390	3768672	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
4058	481399.5	3768672	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
4059	481409	3768672	2.18E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
4060	481418.5	3768672	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
4061	481428	3768673	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
4062	481437.6	3768673	1.87E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
4063	481447.1	3768673	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
4064	481456.6	3768673	1.73E-02	0.00E+00	0.00E+00									

4274	481388.2	3768810	7.84E-03	0.00E+00	0.00E+00	7.75E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
4275	481397.7	3768810	7.64E-03	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00
4276	481407.3	3768810	7.46E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
4277	481416.8	3768810	7.28E-03	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00
4278	481426.3	3768810	7.12E-03	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00
4279	481435.8	3768810	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00
4280	481445.3	3768811	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
4281	481454.9	3768811	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
4282	481464.4	3768811	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00
4283	481473.9	3768811	6.45E-03	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00
4284	481483.4	3768811	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
4285	481492.9	3768811	6.23E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
4286	481502.4	3768811	6.13E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
4287	481512	3768811	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
4288	481350	3768819	8.27E-03	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
4289	481359.6	3768819	8.03E-03	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00
4290	481369.1	3768819	7.81E-03	0.00E+00	0.00E+00	7.73E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00
4291	481378.6	3768820	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
4292	481388.1	3768820	7.41E-03	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00
4293	481397.6	3768820	7.23E-03	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00
4294	481407.1	3768820	7.07E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00
4295	481416.7	3768820	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
4296	481426.2	3768820	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
4297	481435.7	3768820	6.62E-03	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00
4298	481445.2	3768820	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
4299	481454.7	3768820	6.37E-03	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00
4300	481464.2	3768821	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
4301	481473.8	3768821	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
4302	481483.3	3768821	6.04E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00
4303	481492.8	3768821	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00
4304	481502.3	3768821	5.84E-03	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
4305	481511.8	3768821	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
4306	481349.9	3768829	7.80E-03	0.00E+00	0.00E+00	7.72E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00
4307	481359.4	3768829	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
4308	481368.9	3768829	7.39E-03	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00
4309	481378.5	3768829	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00
4310	481388	3768829	7.03E-03	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00
4311	481397.5	3768830	6.86E-03	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00
4312	481407	3768830	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
4313	481416.5	3768830	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00
4314	481426	3768830	6.43E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
4315	481435.6	3768830	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
4316	481445.1	3768830	6.18E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
4317	481454.6	3768830	6.07E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
4318	481464.1	3768830	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
4319	481473.6	3768831	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
4320	481483.2	3768831	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
4321	481492.7	3768831	5.67E-03	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00
4322	481502.2	3768831	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
4323	481511.7	3768831	5.50E-03	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
4324	481349.5	3768859	6.62E-03	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
4325	481359	3768859	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
4326	481368.6	3768859	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
4327	481378.1	3768859	6.17E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00
4328	481387.6	3768859	6.04E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
4329	481397.1	3768860	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
4330	481406.6	3768860	5.80E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
4331	481416.2	3768860	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00
4332	481425.7	3768860	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
4333	481435.2	3768860	5.47E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
4334	481444.7	3768860	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00
4335	481454.2	3768860	5.28E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00
4336	481463.7	3768860	5.20E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
4337	481473.3	3768861	5.12E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0			

4456	481374.7	3769129	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
4457	481384.2	3769129	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
4458	481393.7	3769130	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
4459	481403.2	3769130	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4460	481412.7	3769130	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
4461	481422.3	3769130	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
4462	481431.8	3769130	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
4463	481441.3	3769130	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
4464	481450.8	3769130	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
4465	481460.3	3769130	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
4466	481469.8	3769131	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
4467	481479.4	3769131	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
4468	481488.9	3769131	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
4469	481498.4	3769131	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
4470	481507.9	3769131	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
4471	481517.4	3769131	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
4472	481550.8	3768565	5.12E-02	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
4473	481558	3768572	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
4474	481549.6	3768575	4.33E-02	0.00E+00	0.00E+00	4.29E-02	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00
4475	481576.7	3768567	4.34E-02	0.00E+00	0.00E+00	4.29E-02	0.00E+00	0.00E+00	7.89E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00
4476	481565.1	3768579	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00
4477	481548.8	3768585	3.71E-02	0.00E+00	0.00E+00	3.67E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00
4478	481586.9	3768567	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00
4479	481572.2	3768586	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
4480	481556.1	3768592	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
4481	481598.5	3768563	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00
4482	481594.7	3768572	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
4483	481590.9	3768581	3.42E-02	0.00E+00	0.00E+00	3.38E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
4484	481578.1	3768593	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
4485	481569	3768597	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00
4486	481560	3768600	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00
4487	481551	3768604	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
4488	481608.7	3768562	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
4489	481605	3768570	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00
4490	481601.3	3768579	3.35E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
4491	481597.6	3768588	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
4492	481585.2	3768600	2.72E-02	0.00E+00	0.00E+00	2.69E-02	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
4493	481576.4	3768603	2.66E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
4494	481567.7	3768607	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
4495	481558.9	3768611	2.55E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
4496	481550.1	3768614	2.49E-02	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00
4497	481618.9	3768561	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
4498	481615.3	3768569	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
4499	481611.7	3768578	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
4500	481608.1	3768586	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
4501	481604.4	3768595	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
4502	481592.3	3768607	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
4503	481583.7	3768610	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
4504	481575.1	3768614	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00
4505	481566.6	3768617	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
4506	481558	3768621	2.27E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
4507	481549.4	3768624	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
4508	481629	3768560	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
4509	481621.9	3768577	3.18E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00
4510	481614.8	3768594	2.68E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00
4511	481611.3	3768602	2.47E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
4512	481599.3	3768614	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
4513	481590.9	3768617	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
4514	481582.5	3768621	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
4515	481574.1	3768624	2.11E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
4516	481565.7	3768627	2.07E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
4517	481557.2	3768631	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
4518	481548.8	3768634	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
4519	481643.6	3768467	7.43E-02	0.00E+00	0.00E+00									

4547	481653.9	3768397	7.69E-02	0.00E+00	0.00E+00	7.61E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00
4548	481654	3768387	7.57E-02	0.00E+00	0.00E+00	7.49E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00
4549	481644	3768571	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
4550	481640.3	3768580	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
4551	481636.5	3768589	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
4552	481632.8	3768598	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
4553	481629	3768607	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
4554	481625.3	3768616	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
4555	481612.6	3768628	1.86E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
4556	481603.7	3768632	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
4557	481594.7	3768635	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
4558	481585.8	3768639	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
4559	481576.9	3768642	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
4560	481568	3768646	1.69E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
4561	481559	3768650	1.66E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
4562	481550.1	3768653	1.64E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
4563	481663.3	3768467	6.42E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00
4564	481663.3	3768457	6.67E-02	0.00E+00	0.00E+00	6.60E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
4565	481663.4	3768447	6.88E-02	0.00E+00	0.00E+00	6.81E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00
4566	481663.5	3768437	7.05E-02	0.00E+00	0.00E+00	6.97E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00
4567	481663.6	3768427	7.16E-02	0.00E+00	0.00E+00	7.08E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00
4568	481663.6	3768417	7.22E-02	0.00E+00	0.00E+00	7.14E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00
4569	481663.7	3768407	7.22E-02	0.00E+00	0.00E+00	7.14E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00
4570	481663.8	3768397	7.17E-02	0.00E+00	0.00E+00	7.09E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00
4571	481663.8	3768388	7.07E-02	0.00E+00	0.00E+00	6.99E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00
4572	481654.2	3768571	3.03E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00
4573	481650.5	3768579	2.81E-02	0.00E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00
4574	481646.8	3768588	2.60E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
4575	481643.1	3768597	2.40E-02	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00
4576	481639.5	3768606	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
4577	481635.8	3768614	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
4578	481632.1	3768623	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
4579	481619.6	3768635	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4580	481610.9	3768639	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
4581	481602.1	3768642	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
4582	481593.3	3768646	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
4583	481584.6	3768649	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
4584	481575.8	3768653	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
4585	481567	3768656	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
4586	481558.3	3768660	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
4587	481549.5	3768663	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
4588	481673.1	3768467	5.99E-02	0.00E+00	0.00E+00	5.93E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00
4589	481673.2	3768457	6.22E-02	0.00E+00	0.00E+00	6.16E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00
4590	481673.2	3768447	6.42E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.51E-03	0.00E+00	0.00E+00
4591	481673.3	3768437	6.56E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00
4592	481673.4	3768428	6.67E-02	0.00E+00	0.00E+00	6.60E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00
4593	481673.5	3768418	6.73E-02	0.00E+00	0.00E+00	6.66E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00
4594	481673.5	3768408	6.74E-02	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00
4595	481673.6	3768398	6.70E-02	0.00E+00	0.00E+00	6.63E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00
4596	481673.7	3768388	6.61E-02	0.00E+00	0.00E+00	6.54E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00
4597	481664.3	3768570	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
4598	481660.7	3768579	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
4599	481657.1	3768587	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00
4600	481653.4	3768596	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
4601	481649.8	3768604	2.18E-02	0.00E+00	0.00E+00	2.16E-02	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
4602	481646.2	3768613	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
4603	481642.5	3768622	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
4604	481638.9	3768630	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
4605	481626.6	3768642	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
4606	481618	3768646	1.56E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
4607	481609.4	3768649	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
4608	481600.8	3768652	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
4609	481592.1	3768656	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4610	481583.5	3768659	1.46E-02	0.00E+00	0.00E+00									

4638	481693.4	3768388	5.83E-02	0.00E+00	0.00E+00	5.77E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00
4639	481679.4	3768581	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
4640	481675.6	3768590	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
4641	481671.8	3768599	2.17E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00
4642	481668	3768608	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
4643	481664.2	3768617	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
4644	481660.4	3768626	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
4645	481656.6	3768635	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
4646	481652.8	3768644	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
4647	481640	3768656	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4648	481631	3768660	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
4649	481622	3768664	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
4650	481613	3768667	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4651	481604	3768671	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4652	481595	3768674	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
4653	481585.9	3768678	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
4654	481576.9	3768682	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
4655	481567.9	3768685	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4656	481558.9	3768689	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
4657	481549.9	3768692	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
4658	481703.1	3768408	5.56E-02	0.00E+00	0.00E+00	5.50E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00
4659	481703.1	3768398	5.55E-02	0.00E+00	0.00E+00	5.49E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00
4660	481703.2	3768388	5.50E-02	0.00E+00	0.00E+00	5.44E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00
4661	481689.6	3768580	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
4662	481685.8	3768589	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
4663	481682.1	3768598	2.13E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00
4664	481678.4	3768607	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
4665	481674.6	3768616	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
4666	481670.9	3768624	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
4667	481667.2	3768633	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
4668	481663.4	3768642	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
4669	481659.7	3768651	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4670	481647.1	3768663	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4671	481638.2	3768667	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
4672	481629.3	3768670	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
4673	481620.4	3768674	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4674	481611.5	3768678	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
4675	481602.7	3768681	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
4676	481593.8	3768685	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
4677	481584.9	3768688	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4678	481576	3768692	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
4679	481567.1	3768695	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4680	481558.2	3768699	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
4681	481549.4	3768702	1.09E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
4682	481712.9	3768408	5.44E-02	0.00E+00	0.00E+00	5.38E-02	0.00E+00	0.00E+00	9.88E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00
4683	481713	3768398	5.43E-02	0.00E+00	0.00E+00	5.38E-02	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00
4684	481713	3768388	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00
4685	481696	3768588	2.23E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
4686	481692.3	3768597	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
4687	481688.7	3768606	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
4688	481685	3768615	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
4689	481681.3	3768623	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
4690	481677.6	3768632	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
4691	481673.9	3768641	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4692	481670.2	3768649	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4693	481666.5	3768658	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4694	481654.1	3768670	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4695	481645.3	3768674	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
4696	481636.5	3768677	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
4697	481627.8	3768681	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4698	481619	3768684	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
4699	481610.2	3768688	1.11E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
4700	481601.5	3768691	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
4701	481592.7	3768695	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.		

4729	481550.1	3768722	9.47E-03	0.00E+00	0.00E+00	9.37E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00
4730	481732.6	3768408	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
4731	481732.6	3768398	4.88E-02	0.00E+00	0.00E+00	4.83E-02	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00
4732	481732.7	3768388	4.85E-02	0.00E+00	0.00E+00	4.80E-02	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00
4733	481714.8	3768591	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
4734	481711	3768600	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
4735	481707.2	3768609	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
4736	481703.3	3768618	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
4737	481699.5	3768627	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
4738	481695.7	3768636	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4739	481691.9	3768645	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
4740	481688.1	3768654	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4741	481684.2	3768663	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4742	481680.4	3768672	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4743	481667.5	3768684	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
4744	481658.5	3768688	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4745	481649.4	3768692	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4746	481640.3	3768695	1.01E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4747	481631.2	3768699	9.93E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4748	481622.2	3768703	9.78E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00
4749	481613.1	3768706	9.64E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
4750	481604	3768710	9.50E-03	0.00E+00	0.00E+00	9.41E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00
4751	481594.9	3768714	9.38E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00
4752	481585.9	3768717	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00
4753	481576.8	3768721	9.17E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00
4754	481567.7	3768724	9.07E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
4755	481558.6	3768728	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00
4756	481549.6	3768732	8.88E-03	0.00E+00	0.00E+00	8.78E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00
4757	481741.9	3768478	3.92E-02	0.00E+00	0.00E+00	3.88E-02	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
4758	481742	3768468	4.09E-02	0.00E+00	0.00E+00	4.04E-02	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00
4759	481742	3768458	4.23E-02	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00
4760	481742.1	3768448	4.36E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00
4761	481742.2	3768438	4.46E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
4762	481742.3	3768428	4.55E-02	0.00E+00	0.00E+00	4.50E-02	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00
4763	481742.3	3768418	4.60E-02	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	8.37E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00
4764	481742.4	3768408	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00
4765	481742.5	3768398	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00
4766	481742.6	3768388	4.62E-02	0.00E+00	0.00E+00	4.57E-02	0.00E+00	0.00E+00	8.39E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
4767	481721.2	3768599	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
4768	481717.4	3768608	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
4769	481713.7	3768617	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4770	481709.9	3768626	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
4771	481706.1	3768634	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
4772	481702.3	3768643	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
4773	481698.6	3768652	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
4774	481694.8	3768661	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4775	481691	3768670	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
4776	481687.3	3768679	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4777	481674.5	3768691	9.93E-03	0.00E+00	0.00E+00	9.83E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4778	481665.6	3768695	9.79E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00
4779	481656.6	3768699	9.64E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
4780	481647.7	3768702	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00
4781	481638.7	3768706	9.37E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00
4782	481629.7	3768709	9.25E-03	0.00E+00	0.00E+00	9.15E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.38E-04	0.00E+00	0.00E+00
4783	481620.8	3768713	9.12E-03	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00
4784	481611.8	3768717	9.00E-03	0.00E+00	0.00E+00	8.91E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00
4785	481602.9	3768720	8.88E-03	0.00E+00	0.00E+00	8.79E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00
4786	481593.9	3768724	8.78E-03	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00
4787	481584.9	3768727	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00
4788	481576	3768731	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
4789	481567	3768735	8.51E-03	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00
4790	481751.7	3768478	3.74E-02	0.00E+00	0.00E+00	3.70E-02	0.00E+00	0.00E+00	6.79E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00
4791	481751.8	3768468	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00
4792	481751.9	3768458	4.03E-02	0.00E+00	0.00E+00									

4820	481619.5	3768723	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
4821	481610.7	3768727	8.43E-03	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00
4822	481601.8	3768730	8.33E-03	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00
4823	481592.9	3768734	8.24E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00
4824	481584.1	3768737	8.16E-03	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00
4825	481761.6	3768478	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
4826	481761.6	3768468	3.71E-02	0.00E+00	0.00E+00	3.67E-02	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00
4827	481761.7	3768458	3.84E-02	0.00E+00	0.00E+00	3.80E-02	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00
4828	481761.8	3768448	3.95E-02	0.00E+00	0.00E+00	3.91E-02	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00
4829	481761.9	3768438	4.04E-02	0.00E+00	0.00E+00	4.00E-02	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00
4830	481761.9	3768428	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
4831	481762	3768418	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
4832	481762.1	3768408	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
4833	481762.2	3768398	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
4834	481762.2	3768388	4.19E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.62E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00
4835	481755.5	3768565	2.23E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
4836	481740	3768601	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
4837	481736.1	3768610	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
4838	481732.2	3768620	1.57E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
4839	481728.3	3768629	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
4840	481724.4	3768638	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
4841	481720.6	3768647	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
4842	481716.7	3768656	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
4843	481712.8	3768665	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4844	481708.9	3768674	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4845	481705	3768684	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
4846	481701.1	3768693	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00
4847	481688	3768706	8.86E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00
4848	481678.8	3768709	8.73E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00
4849	481669.6	3768713	8.61E-03	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00
4850	481660.4	3768717	8.49E-03	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00
4851	481651.1	3768720	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
4852	481641.9	3768724	8.27E-03	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
4853	481632.7	3768728	8.17E-03	0.00E+00	0.00E+00	8.08E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
4854	481623.5	3768731	8.07E-03	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00
4855	481614.2	3768735	7.97E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
4856	481568.1	3768754	7.56E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00
4857	481558.9	3768757	7.49E-03	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00
4858	481549.6	3768761	7.43E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00
4859	481771.3	3768488	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
4860	481771.4	3768478	3.41E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00
4861	481771.5	3768468	3.54E-02	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00
4862	481771.6	3768458	3.66E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
4863	481771.6	3768448	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
4864	481771.7	3768438	3.85E-02	0.00E+00	0.00E+00	3.81E-02	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00
4865	481771.8	3768428	3.93E-02	0.00E+00	0.00E+00	3.89E-02	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00
4866	481771.9	3768418	3.98E-02	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00
4867	481771.9	3768408	4.02E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
4868	481772	3768398	4.02E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
4869	481772.1	3768388	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
4870	481765.5	3768564	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00
4871	481746.4	3768609	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
4872	481742.5	3768618	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
4873	481738.7	3768628	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
4874	481734.8	3768637	1.37E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
4875	481731	3768646	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
4876	481727.2	3768655	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
4877	481723.3	3768664	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
4878	481719.5	3768673	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4879	481715.7	3768682	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4880	481711.8	3768691	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00
4881	481708	3768700	8.99E-03	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00
4882	481695	3768713	8.39E-03	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00
4883	481685.9	3768716	8.28E-03	0.00E+00	0.00E+00									

4911	481745.2	3768635	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4912	481741.4	3768644	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4913	481737.6	3768653	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
4914	481733.8	3768662	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
4915	481730	3768671	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
4916	481726.2	3768680	1.01E-02	0.00E+00	0.00E+00	9.97E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
4917	481722.4	3768689	9.51E-03	0.00E+00	0.00E+00	9.41E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00
4918	481718.6	3768698	8.47E-03	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00
4919	481714.8	3768707	8.02E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00
4920	481702	3768720	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
4921	481693	3768723	7.87E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00
4922	481684	3768727	7.76E-03	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
4923	481675	3768730	7.66E-03	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00
4924	481666	3768734	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
4925	481611.9	3768756	7.07E-03	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00
4926	481602.9	3768759	7.00E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
4927	481593.8	3768763	6.93E-03	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00
4928	481584.8	3768767	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00
4929	481575.8	3768770	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
4930	481566.8	3768774	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00
4931	481557.8	3768777	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
4932	481548.8	3768781	6.67E-03	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
4933	481791	3768488	3.00E-02	0.00E+00	0.00E+00	2.97E-02	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00
4934	481791.1	3768478	3.13E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
4935	481791.2	3768468	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
4936	481791.2	3768458	3.35E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
4937	481791.3	3768448	3.44E-02	0.00E+00	0.00E+00	3.41E-02	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00
4938	481791.4	3768438	3.52E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
4939	481791.5	3768428	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
4940	481791.5	3768418	3.64E-02	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00
4941	481791.6	3768408	3.67E-02	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00
4942	481791.7	3768398	3.68E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
4943	481791.7	3768388	3.67E-02	0.00E+00	0.00E+00	3.64E-02	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
4944	481781.8	3768572	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
4945	481766.8	3768608	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
4946	481763	3768617	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
4947	481759.2	3768626	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
4948	481755.5	3768634	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
4949	481751.7	3768643	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
4950	481748	3768652	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4951	481744.2	3768661	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
4952	481740.5	3768670	9.98E-03	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
4953	481736.7	3768679	9.44E-03	0.00E+00	0.00E+00	9.35E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00
4954	481732.9	3768688	8.93E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00
4955	481729.2	3768696	8.44E-03	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00
4956	481725.4	3768705	7.99E-03	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00
4957	481721.7	3768714	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
4958	481709	3768727	7.19E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
4959	481700.1	3768730	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
4960	481691.2	3768734	7.39E-03	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00
4961	481637.6	3768755	6.90E-03	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00
4962	481628.7	3768759	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
4963	481619.8	3768762	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00
4964	481610.8	3768766	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
4965	481601.9	3768769	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00
4966	481593	3768773	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00
4967	481584.1	3768777	6.51E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
4968	481575.1	3768780	6.46E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
4969	481566.2	3768784	6.41E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
4970	481557.3	3768787	6.37E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00
4971	481548.4	3768791	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
4972	481800.8	3768498	2.75E-02	0.00E+00	0.00E+00	2.72E-02	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00
4973	481800.9	3768488	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
4974	481800.9	3768478	3.00E-02	0.00E+00	0.00E+00	2.97E								

5002	481623.1	3768771	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
5003	481613.9	3768774	6.37E-03	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00
5004	481604.7	3768778	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
5005	481595.4	3768782	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
5006	481586.2	3768786	6.20E-03	0.00E+00	0.00E+00	6.13E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00
5007	481576.9	3768789	6.15E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
5008	481567.7	3768793	6.11E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00
5009	481558.4	3768797	6.07E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
5010	481549.2	3768800	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
5011	481810.6	3768498	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
5012	481810.7	3768488	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
5013	481810.8	3768478	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
5014	481810.8	3768468	2.99E-02	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
5015	481810.9	3768458	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00
5016	481811	3768448	3.17E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
5017	481811.1	3768438	3.24E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
5018	481811.1	3768429	3.30E-02	0.00E+00	0.00E+00	3.26E-02	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00
5019	481811.2	3768419	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
5020	481811.3	3768409	3.37E-02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00
5021	481811.4	3768399	3.38E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00
5022	481811.4	3768389	3.38E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00
5023	481801	3768574	1.77E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
5024	481797.1	3768583	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
5025	481781.7	3768619	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
5026	481777.9	3768628	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
5027	481774	3768637	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5028	481770.2	3768646	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
5029	481766.3	3768655	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
5030	481762.5	3768664	9.98E-03	0.00E+00	0.00E+00	9.88E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
5031	481758.6	3768674	9.43E-03	0.00E+00	0.00E+00	9.33E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00
5032	481754.8	3768683	8.92E-03	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00
5033	481750.9	3768692	8.44E-03	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00
5034	481747.1	3768701	8.01E-03	0.00E+00	0.00E+00	7.92E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00
5035	481743.2	3768710	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
5036	481739.4	3768719	7.23E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00
5037	481735.5	3768728	6.88E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00
5038	481686	3768755	6.55E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
5039	481676.8	3768759	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
5040	481667.7	3768763	6.41E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00
5041	481658.5	3768766	6.34E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
5042	481649.4	3768770	6.28E-03	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
5043	481640.2	3768774	6.22E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
5044	481631.1	3768777	6.16E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00
5045	481621.9	3768781	6.10E-03	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00
5046	481612.8	3768785	6.05E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00
5047	481603.7	3768788	5.99E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
5048	481594.5	3768792	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00
5049	481585.4	3768796	5.90E-03	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00
5050	481576.2	3768799	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00
5051	481567.1	3768803	5.81E-03	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
5052	481557.9	3768807	5.78E-03	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00
5053	481548.8	3768810	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
5054	481820.3	3768518	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
5055	481820.4	3768508	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
5056	481820.5	3768498	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
5057	481820.5	3768488	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
5058	481820.6	3768478	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
5059	481820.7	3768469	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
5060	481820.8	3768459	2.96E-02	0.00E+00	0.00E+00	2.93E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
5061	481820.8	3768449	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
5062	481820.9	3768439	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00
5063	481821	3768429	3.16E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
5064	481821	3768419	3.21E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
5065	481821.1	3768409	3.24E-02	0.00E+00	0.00E+00									

5093	481648	3768780	5.95E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
5094	481639	3768784	5.90E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
5095	481629.9	3768788	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
5096	481620.8	3768791	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
5097	481611.8	3768795	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
5098	481602.7	3768798	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00
5099	481593.7	3768802	5.66E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
5100	481584.6	3768806	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
5101	481575.6	3768809	5.58E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00
5102	481566.5	3768813	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
5103	481557.4	3768817	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
5104	481548.4	3768820	5.49E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00
5105	481830.1	3768528	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
5106	481830.2	3768518	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
5107	481830.2	3768508	2.35E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
5108	481830.3	3768499	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
5109	481830.4	3768489	2.56E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00
5110	481830.4	3768479	2.66E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00
5111	481830.5	3768469	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
5112	481830.6	3768459	2.84E-02	0.00E+00	0.00E+00	2.81E-02	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00
5113	481830.7	3768449	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00
5114	481830.7	3768439	2.99E-02	0.00E+00	0.00E+00	2.96E-02	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00
5115	481830.8	3768429	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
5116	481830.9	3768419	3.08E-02	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00
5117	481831	3768409	3.11E-02	0.00E+00	0.00E+00	3.08E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00
5118	481831	3768399	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
5119	481831.1	3768389	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
5120	481831.2	3768379	3.12E-02	0.00E+00	0.00E+00	3.09E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00
5121	481856.2	3768538	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
5122	481852.3	3768547	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
5123	481848.5	3768556	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
5124	481844.6	3768565	1.64E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
5125	481840.8	3768574	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
5126	481836.9	3768583	1.50E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
5127	481817.6	3768629	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
5128	481813.7	3768638	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
5129	481809.8	3768647	1.05E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5130	481806	3768656	9.85E-03	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.99E-04	0.00E+00	0.00E+00
5131	481802.1	3768665	9.30E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00
5132	481798.2	3768674	8.80E-03	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
5133	481794.4	3768683	8.35E-03	0.00E+00	0.00E+00	8.26E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00
5134	481790.5	3768693	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00
5135	481786.6	3768702	7.56E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00
5136	481782.8	3768711	7.19E-03	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00
5137	481778.9	3768720	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
5138	481775	3768729	6.49E-03	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00
5139	481763.4	3768756	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00
5140	481750.4	3768769	5.44E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00
5141	481741.2	3768773	5.39E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
5142	481732	3768776	5.35E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	9.71E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00
5143	481722.9	3768780	5.30E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00
5144	481713.7	3768784	5.27E-03	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00
5145	481704.5	3768788	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
5146	481695.3	3768791	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
5147	481686.1	3768795	5.34E-03	0.00E+00	0.00E+00	5.28E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00
5148	481676.9	3768799	5.29E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00
5149	481667.8	3768802	5.24E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
5150	481658.6	3768806	5.19E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
5151	481649.4	3768810	5.15E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
5152	481640.2	3768813	5.11E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
5153	481631	3768817	5.07E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5154	481621.8	3768821	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00
5155	481612.7	3768824	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00
5156	481603.5	3768828	4.96E-03	0.00E+00	0.00E+00									

5184	481829.7	3768671	8.56E-03	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00
5185	481825.9	3768680	8.12E-03	0.00E+00	0.00E+00	8.03E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00
5186	481822.1	3768689	7.73E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00
5187	481818.3	3768698	7.36E-03	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00
5188	481814.6	3768707	7.01E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
5189	481810.8	3768716	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
5190	481807	3768725	6.40E-03	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
5191	481803.2	3768733	6.12E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00
5192	481791.9	3768760	5.39E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
5193	481788.1	3768769	5.18E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00
5194	481784.4	3768778	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
5195	481771.6	3768790	4.78E-03	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00
5196	481762.6	3768794	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
5197	481753.7	3768798	4.74E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00
5198	481744.7	3768801	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00
5199	481735.7	3768805	4.66E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
5200	481726.8	3768808	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
5201	481717.8	3768812	4.60E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00
5202	481708.8	3768816	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
5203	481699.9	3768819	4.54E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5204	481690.9	3768823	4.51E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
5205	481681.9	3768826	4.48E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
5206	481672.9	3768830	4.59E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
5207	481664	3768834	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
5208	481655	3768837	4.53E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00
5209	481646	3768841	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
5210	481637.1	3768844	4.46E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
5211	481628.1	3768848	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
5212	481619.1	3768852	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
5213	481610.2	3768855	4.39E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
5214	481601.2	3768859	4.36E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
5215	481592.2	3768862	4.34E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
5216	481583.3	3768866	4.32E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00
5217	481574.3	3768870	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
5218	481565.3	3768873	4.28E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00
5219	481556.3	3768877	4.26E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
5220	481547.4	3768880	4.25E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00
5221	481890.1	3768529	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
5222	481890.1	3768519	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
5223	481890.2	3768509	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
5224	481890.3	3768499	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
5225	481890.4	3768489	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
5226	481890.4	3768479	2.15E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
5227	481890.5	3768469	2.22E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
5228	481890.6	3768459	2.28E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
5229	481890.7	3768449	2.34E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
5230	481890.7	3768439	2.39E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
5231	481890.8	3768429	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
5232	481916.3	3768538	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
5233	481912.4	3768547	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
5234	481908.6	3768556	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
5235	481904.8	3768565	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
5236	481901	3768574	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
5237	481897.1	3768583	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
5238	481893.3	3768592	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
5239	481889.5	3768601	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5240	481870.4	3768646	9.53E-03	0.00E+00	0.00E+00	9.43E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00
5241	481866.6	3768655	9.07E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
5242	481862.7	3768664	8.62E-03	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00
5243	481858.9	3768673	8.19E-03	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00
5244	481855.1	3768682	7.77E-03	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
5245	481851.3	3768691	7.37E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00
5246	481847.5	3768700	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
5247	481843.6	3768709	6.69E-03	0.00E+00	0.00E+									

5275	481921.3	3768359	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
5276	481921.4	3768349	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
5277	481946.2	3768538	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
5278	481930.8	3768575	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5279	481926.9	3768584	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
5280	481923	3768593	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
5281	481919.2	3768602	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
5282	481915.3	3768611	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
5283	481896	3768657	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
5284	481892.1	3768666	8.20E-03	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00
5285	481888.3	3768675	7.83E-03	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00
5286	481884.4	3768684	7.44E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00
5287	481880.5	3768693	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
5288	481876.7	3768702	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
5289	481872.8	3768711	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
5290	481868.9	3768720	6.08E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
5291	481865.1	3768730	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00
5292	481853.5	3768757	5.11E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
5293	481849.6	3768766	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
5294	481845.8	3768775	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
5295	481841.9	3768784	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5296	481838	3768793	4.38E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
5297	481950.1	3768529	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
5298	481950.1	3768519	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
5299	481950.2	3768509	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
5300	481950.3	3768499	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
5301	481950.4	3768489	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
5302	481950.4	3768479	1.77E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
5303	481950.5	3768469	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
5304	481950.6	3768459	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
5305	481950.7	3768449	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
5306	481950.7	3768440	1.96E-02	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00
5307	481950.8	3768430	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
5308	481950.9	3768420	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
5309	481951	3768410	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
5310	481951	3768400	2.06E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
5311	481951.1	3768390	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
5312	481951.2	3768380	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
5313	481951.2	3768370	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
5314	481951.3	3768360	2.07E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00
5315	481951.4	3768350	2.05E-02	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00
5316	481976.3	3768538	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
5317	481972.5	3768547	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
5318	481968.7	3768556	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5319	481964.9	3768565	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
5320	481961.1	3768574	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
5321	481957.3	3768583	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
5322	481953.5	3768592	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
5323	481949.7	3768601	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
5324	481946	3768610	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5325	481919.4	3768672	7.61E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00
5326	481915.6	3768681	7.26E-03	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00
5327	481911.8	3768690	6.91E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
5328	481908	3768699	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00
5329	481904.2	3768708	6.28E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
5330	481900.5	3768717	6.02E-03	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00
5331	481896.7	3768726	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
5332	481892.9	3768735	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
5333	481881.5	3768762	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00
5334	481877.7	3768771	4.66E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
5335	481873.9	3768780	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
5336	481834.6	3768855	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
5337	481825.6	3768858	3.43E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
5338	481816.6	3768862	3.41E-03	0.00E+00	0.00E+00									

5366	481546.3	3768970	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
5367	481980.1	3768530	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
5368	481980.1	3768520	1.42E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00
5369	481980.2	3768510	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
5370	481980.3	3768500	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
5371	481980.4	3768490	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
5372	481980.4	3768480	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
5373	481980.5	3768470	1.67E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
5374	481980.6	3768460	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
5375	481980.7	3768450	1.75E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
5376	481980.7	3768440	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
5377	481980.8	3768430	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
5378	481980.9	3768420	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
5379	481981	3768410	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
5380	481981	3768400	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
5381	481981.1	3768390	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
5382	481981.2	3768380	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
5383	481981.2	3768370	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
5384	481981.3	3768360	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
5385	481981.4	3768350	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
5386	482006.2	3768539	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
5387	482002.4	3768548	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
5388	481998.6	3768557	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
5389	481994.8	3768566	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
5390	481990.9	3768575	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
5391	481987.1	3768584	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
5392	481983.3	3768593	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5393	481979.4	3768602	9.84E-03	0.00E+00	0.00E+00	9.73E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00
5394	481975.6	3768611	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
5395	481971.8	3768620	9.17E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00
5396	481968	3768629	8.84E-03	0.00E+00	0.00E+00	8.75E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00
5397	481964.1	3768638	8.53E-03	0.00E+00	0.00E+00	8.44E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00
5398	481960.3	3768647	8.23E-03	0.00E+00	0.00E+00	8.14E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00
5399	481956.5	3768656	7.89E-03	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00
5400	481948.8	3768674	7.25E-03	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00
5401	481945	3768683	6.92E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
5402	481925.8	3768728	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
5403	481914.4	3768755	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
5404	481910.5	3768764	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
5405	481906.7	3768773	4.48E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
5406	481876.1	3768846	3.41E-03	0.00E+00	0.00E+00	3.38E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00
5407	481872.2	3768855	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
5408	481868.4	3768864	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
5409	481855.5	3768876	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
5410	481846.4	3768880	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
5411	481837.3	3768884	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
5412	481828.2	3768887	3.09E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
5413	481819.1	3768891	3.08E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
5414	481810	3768894	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
5415	481800.9	3768898	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
5416	481791.8	3768902	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
5417	481782.7	3768905	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
5418	481773.6	3768909	3.01E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
5419	481764.5	3768913	3.00E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
5420	481755.4	3768916	2.99E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5421	481746.3	3768920	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
5422	481737.2	3768924	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
5423	481728.1	3768927	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
5424	481719.1	3768931	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
5425	481710	3768935	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
5426	481700.9	3768938	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5427	481691.8	3768942	2.90E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00
5428	481682.7	3768946	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
5429	481673.6	3768949	2.87E-03	0.00E+00	0.00E+00									

5457	482011	3768400	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00
5458	482011.1	3768390	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
5459	482011.2	3768380	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
5460	482011.2	3768370	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
5461	482011.3	3768360	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
5462	482011.4	3768350	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
5463	482036.2	3768539	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
5464	482032.3	3768548	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
5465	482028.5	3768557	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
5466	482024.6	3768566	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5467	482020.8	3768575	1.02E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5468	482016.9	3768585	9.83E-03	0.00E+00	0.00E+00	9.73E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00
5469	482013	3768594	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00
5470	482009.2	3768603	9.18E-03	0.00E+00	0.00E+00	9.08E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.31E-04	0.00E+00	0.00E+00
5471	482005.3	3768612	8.86E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00
5472	482001.4	3768621	8.56E-03	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00
5473	481997.6	3768630	8.27E-03	0.00E+00	0.00E+00	8.19E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
5474	481993.7	3768639	7.99E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00
5475	481989.9	3768648	7.73E-03	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00
5476	481986	3768657	7.45E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
5477	481978.3	3768676	6.92E-03	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
5478	481974.4	3768685	6.61E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
5479	481970.6	3768694	6.31E-03	0.00E+00	0.00E+00	6.25E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
5480	481966.7	3768703	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
5481	481962.8	3768712	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
5482	481959	3768721	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
5483	481955.1	3768730	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
5484	481951.2	3768739	5.06E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5485	481947.4	3768748	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
5486	481912.6	3768830	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
5487	481908.8	3768839	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
5488	481904.9	3768848	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
5489	481901	3768858	3.20E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
5490	481897.2	3768867	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
5491	481893.3	3768876	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
5492	481889.4	3768885	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
5493	481876.4	3768898	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
5494	481867.2	3768901	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5495	481858.1	3768905	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
5496	481848.9	3768909	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
5497	481839.7	3768912	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
5498	481830.5	3768916	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
5499	481821.4	3768920	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
5500	481812.2	3768923	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
5501	481803	3768927	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
5502	481793.8	3768931	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5503	481784.7	3768934	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
5504	481775.5	3768938	2.73E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
5505	481766.3	3768942	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
5506	481757.1	3768946	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
5507	481748	3768949	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
5508	481738.8	3768953	2.69E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
5509	481729.6	3768957	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5510	481720.4	3768960	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00
5511	481711.2	3768964	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
5512	481702.1	3768968	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
5513	481692.9	3768971	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
5514	481683.7	3768975	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
5515	481674.5	3768979	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
5516	481665.4	3768982	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
5517	481656.2	3768986	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5518	481647	3768990	2.59E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
5519	481637.8	3768993	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
5520	481628.7	3768997	2.63E-03	0.00E+00	0.00E+00									

5548	482041.4	3768350	1.61E-02	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00
5549	482066.2	3768539	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
5550	482062.3	3768549	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
5551	482058.4	3768558	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
5552	482054.5	3768567	9.82E-03	0.00E+00	0.00E+00	9.72E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00
5553	482050.6	3768576	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00
5554	482046.7	3768585	9.21E-03	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00
5555	482042.8	3768594	8.90E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00
5556	482038.9	3768604	8.60E-03	0.00E+00	0.00E+00	8.51E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
5557	482035	3768613	8.29E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
5558	482031.1	3768622	8.00E-03	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00
5559	482027.3	3768631	7.72E-03	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00
5560	482023.4	3768640	7.45E-03	0.00E+00	0.00E+00	7.38E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
5561	482019.5	3768649	7.20E-03	0.00E+00	0.00E+00	7.13E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00
5562	482015.6	3768659	6.96E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00
5563	482007.8	3768677	6.51E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00
5564	482003.9	3768686	6.24E-03	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
5565	482000	3768695	5.99E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
5566	481996.1	3768704	5.75E-03	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00
5567	481992.2	3768714	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
5568	481988.3	3768723	5.29E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00
5569	481984.4	3768732	5.07E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5570	481980.5	3768741	4.86E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00
5571	481937.7	3768842	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
5572	481933.8	3768851	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
5573	481929.9	3768860	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
5574	481926	3768870	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5575	481922.2	3768879	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5576	481918.3	3768888	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
5577	481914.4	3768897	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5578	481910.5	3768906	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
5579	481897.3	3768919	2.61E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
5580	481888.1	3768923	2.61E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5581	481878.8	3768927	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5582	481869.6	3768930	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
5583	481860.3	3768934	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
5584	481851.1	3768938	2.57E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
5585	481841.8	3768941	2.56E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
5586	481832.6	3768945	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
5587	481823.4	3768949	2.55E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
5588	481814.1	3768952	2.54E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00
5589	481804.9	3768956	2.53E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
5590	481795.6	3768960	2.52E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
5591	481786.4	3768964	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
5592	481777.1	3768967	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
5593	481767.9	3768971	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5594	481758.6	3768975	2.48E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
5595	481749.4	3768978	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
5596	481740.1	3768982	2.46E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00
5597	481730.9	3768986	2.45E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
5598	481721.6	3768990	2.44E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
5599	481712.4	3768993	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
5600	481703.1	3768997	2.43E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5601	481693.9	3769001	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5602	481684.6	3769004	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5603	481675.4	3769008	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
5604	481666.1	3769012	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5605	481656.9	3769016	2.38E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5606	481647.7	3769019	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
5607	481638.4	3769023	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5608	481629.2	3769027	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5609	481619.9	3769030	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
5610	481610.7	3769034	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5611	481601.4	3769038	2.39E-03	0.00E+00	0.									

5639	482088.6	3768558	9.50E-03	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
5640	482084.7	3768567	9.23E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
5641	482080.9	3768576	8.96E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00
5642	482077.1	3768585	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00
5643	482073.2	3768594	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
5644	482069.4	3768603	8.14E-03	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00
5645	482065.6	3768612	7.86E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00
5646	482061.7	3768621	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
5647	482057.9	3768630	7.33E-03	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00
5648	482054.1	3768639	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00
5649	482050.2	3768648	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
5650	482046.4	3768657	6.59E-03	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00
5651	482038.7	3768675	6.17E-03	0.00E+00	0.00E+00	6.10E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00
5652	482034.9	3768684	5.94E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
5653	482031.1	3768693	5.71E-03	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00
5654	482027.2	3768702	5.48E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00
5655	482023.4	3768711	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
5656	482019.6	3768720	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5657	482015.7	3768729	4.88E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00
5658	482011.9	3768738	4.69E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
5659	481965.9	3768847	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
5660	481962.1	3768856	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
5661	481958.2	3768865	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
5662	481954.4	3768874	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00
5663	481950.6	3768883	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
5664	481946.7	3768892	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
5665	481942.9	3768901	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
5666	481918.5	3768940	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5667	481909.4	3768944	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
5668	481900.3	3768948	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5669	481891.2	3768951	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5670	481882.1	3768955	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5671	481872.9	3768959	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
5672	481863.8	3768962	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
5673	481854.7	3768966	2.36E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
5674	481845.6	3768970	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
5675	481836.5	3768973	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
5676	481827.4	3768977	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
5677	481818.3	3768981	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
5678	481809.2	3768984	2.33E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
5679	481800.1	3768988	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
5680	481791	3768992	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
5681	481781.9	3768995	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
5682	481772.8	3768999	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
5683	481763.7	3769003	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
5684	481754.6	3769006	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
5685	481745.5	3769010	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
5686	481736.4	3769014	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
5687	481727.2	3769017	2.25E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
5688	481718.1	3769021	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
5689	481709	3769024	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
5690	481699.9	3769028	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5691	481690.8	3769032	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5692	481681.7	3769035	2.22E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5693	481672.6	3769039	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5694	481663.5	3769043	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5695	481654.4	3769046	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5696	481645.3	3769050	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5697	481636.2	3769054	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5698	481627.1	3769057	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5699	481618	3769061	2.22E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5700	481608.9	3769065	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5701	481599.8	3769068	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5702	481590.7	3769072	2.20E-03	0.00E+00	0.									

5730	482110.8	3768576	8.43E-03	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00
5731	482106.9	3768585	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
5732	482103	3768594	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00
5733	482099.2	3768603	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
5734	482095.3	3768613	7.42E-03	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00
5735	482091.5	3768622	7.17E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
5736	482087.6	3768631	6.93E-03	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00
5737	482083.7	3768640	6.69E-03	0.00E+00	0.00E+00	6.62E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
5738	482079.9	3768649	6.45E-03	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00
5739	482076	3768658	6.22E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
5740	482068.3	3768676	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
5741	482064.4	3768685	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
5742	482060.6	3768694	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
5743	482056.7	3768704	5.17E-03	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00
5744	482052.8	3768713	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00
5745	482049	3768722	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
5746	482002.6	3768831	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
5747	481998.8	3768840	3.09E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
5748	481994.9	3768849	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
5749	481991.1	3768858	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
5750	481987.2	3768867	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5751	481983.3	3768876	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5752	481979.5	3768885	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
5753	481975.6	3768895	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
5754	481971.8	3768904	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
5755	481967.9	3768913	2.50E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
5756	481964	3768922	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
5757	481960.2	3768931	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
5758	481956.3	3768940	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
5759	481952.4	3768949	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
5760	481921.1	3768969	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5761	481911.9	3768973	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5762	481902.7	3768977	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5763	481893.5	3768980	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5764	481884.4	3768984	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
5765	481875.2	3768988	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5766	481866	3768991	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
5767	481856.8	3768995	2.18E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
5768	481847.7	3768999	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
5769	481838.5	3769002	2.17E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
5770	481829.3	3769006	2.16E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
5771	481820.2	3769010	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
5772	481811	3769013	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
5773	481801.8	3769017	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
5774	481792.6	3769021	2.13E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
5775	481783.5	3769024	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
5776	481774.3	3769028	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
5777	481765.1	3769032	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
5778	481755.9	3769036	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
5779	481746.8	3769039	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
5780	481737.6	3769043	2.09E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
5781	481728.4	3769047	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
5782	481719.2	3769050	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
5783	481710.1	3769054	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5784	481700.9	3769058	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5785	481691.7	3769061	2.06E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5786	481682.5	3769065	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
5787	481673.4	3769069	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
5788	481664.2	3769072	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5789	481655	3769076	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5790	481645.9	3769080	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5791	481636.7	3769083	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5792	481627.5	3769087	2.06E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00
5793	481618.3	3769091	2.05E-03	0.00E+00	0.00E+00									

5821	481488.5	3768317	9.91E-02	0.00E+00	0.00E+00	9.81E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00
5822	481479	3768317	9.91E-02	0.00E+00	0.00E+00	9.80E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00
5823	481469.5	3768317	9.84E-02	0.00E+00	0.00E+00	9.73E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00
5824	481460	3768317	9.75E-02	0.00E+00	0.00E+00	9.65E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	9.89E-03	0.00E+00	0.00E+00
5825	481450.5	3768317	9.64E-02	0.00E+00	0.00E+00	9.54E-02	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00
5826	481440.9	3768317	9.50E-02	0.00E+00	0.00E+00	9.40E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00
5827	481431.4	3768317	9.32E-02	0.00E+00	0.00E+00	9.23E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00
5828	481421.9	3768317	9.10E-02	0.00E+00	0.00E+00	9.00E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00
5829	481412.4	3768317	8.84E-02	0.00E+00	0.00E+00	8.75E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00
5830	481402.9	3768317	8.55E-02	0.00E+00	0.00E+00	8.46E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00
5831	481393.4	3768317	8.22E-02	0.00E+00	0.00E+00	8.13E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00
5832	481383.9	3768316	7.85E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00
5833	481374.4	3768316	7.47E-02	0.00E+00	0.00E+00	7.39E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00
5834	481364.9	3768316	7.10E-02	0.00E+00	0.00E+00	7.02E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00
5835	481355.4	3768316	6.78E-02	0.00E+00	0.00E+00	6.71E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00
5836	481345.9	3768316	6.53E-02	0.00E+00	0.00E+00	6.46E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00
5837	481557.2	3768326	1.01E-01	0.00E+00	0.00E+00	1.00E-01	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
5838	481517.1	3768307	8.14E-02	0.00E+00	0.00E+00	8.05E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.25E-03	0.00E+00	0.00E+00
5839	481507.6	3768307	8.12E-02	0.00E+00	0.00E+00	8.03E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00
5840	481498	3768307	8.09E-02	0.00E+00	0.00E+00	8.01E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00
5841	481488.5	3768307	8.04E-02	0.00E+00	0.00E+00	7.96E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00
5842	481479	3768307	7.97E-02	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00
5843	481469.5	3768307	7.85E-02	0.00E+00	0.00E+00	7.77E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00
5844	481460	3768307	7.72E-02	0.00E+00	0.00E+00	7.64E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	7.83E-03	0.00E+00	0.00E+00
5845	481450.5	3768307	7.57E-02	0.00E+00	0.00E+00	7.49E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00
5846	481441	3768307	7.40E-02	0.00E+00	0.00E+00	7.32E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00
5847	481431.5	3768307	7.21E-02	0.00E+00	0.00E+00	7.13E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00
5848	481422	3768307	6.99E-02	0.00E+00	0.00E+00	6.92E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00
5849	481412.5	3768307	6.76E-02	0.00E+00	0.00E+00	6.69E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.86E-03	0.00E+00	0.00E+00
5850	481403	3768307	6.52E-02	0.00E+00	0.00E+00	6.45E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00
5851	481393.4	3768307	6.26E-02	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00
5852	481383.9	3768307	5.99E-02	0.00E+00	0.00E+00	5.93E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00
5853	481374.4	3768307	5.73E-02	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00
5854	481364.9	3768307	5.48E-02	0.00E+00	0.00E+00	5.42E-02	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00
5855	481355.4	3768307	5.28E-02	0.00E+00	0.00E+00	5.22E-02	0.00E+00	0.00E+00	9.59E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00
5856	481345.9	3768306	5.12E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.30E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
5857	481552.7	3768308	7.88E-02	0.00E+00	0.00E+00	7.80E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00
5858	481564.9	3768321	8.99E-02	0.00E+00	0.00E+00	8.90E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.12E-03	0.00E+00	0.00E+00
5859	481517.1	3768297	6.85E-02	0.00E+00	0.00E+00	6.78E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00
5860	481507.6	3768297	6.80E-02	0.00E+00	0.00E+00	6.73E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00
5861	481498.1	3768297	6.74E-02	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.84E-03	0.00E+00	0.00E+00
5862	481488.6	3768297	6.66E-02	0.00E+00	0.00E+00	6.59E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00
5863	481479.1	3768297	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00
5864	481469.6	3768297	6.43E-02	0.00E+00	0.00E+00	6.37E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00
5865	481460	3768297	6.28E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00
5866	481450.5	3768297	6.12E-02	0.00E+00	0.00E+00	6.06E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00
5867	481441	3768297	5.95E-02	0.00E+00	0.00E+00	5.89E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00
5868	481431.5	3768297	5.76E-02	0.00E+00	0.00E+00	5.70E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00
5869	481422	3768297	5.57E-02	0.00E+00	0.00E+00	5.51E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00
5870	481412.5	3768297	5.37E-02	0.00E+00	0.00E+00	5.31E-02	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	5.44E-03	0.00E+00	0.00E+00
5871	481403	3768297	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
5872	481393.5	3768297	4.95E-02	0.00E+00	0.00E+00	4.90E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00
5873	481384	3768297	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00
5874	481374.5	3768297	4.56E-02	0.00E+00	0.00E+00	4.51E-02	0.00E+00	0.00E+00	8.28E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00
5875	481365	3768297	4.39E-02	0.00E+00	0.00E+00	4.34E-02	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00
5876	481355.4	3768297	4.24E-02	0.00E+00	0.00E+00	4.20E-02	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00
5877	481345.9	3768297	4.13E-02	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00
5878	481551.7	3768298	6.79E-02	0.00E+00	0.00E+00	6.72E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00
5879	481560	3768302	7.00E-02	0.00E+00	0.00E+00	6.93E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00
5880	481571.8	3768313	7.89E-02	0.00E+00	0.00E+00	7.81E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00
5881	481517.1	3768288	5.84E-02	0.00E+00	0.00E+00	5.78E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00
5882	481507.6	3768287	5.77E-02	0.00E+00	0.00E+00	5.71E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00
5883	481498.1	3768287	5.70E-02	0.00E+00	0.00E+00	5.64E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00
5884	481488.6	3768287	5.61E-02	0.00E+00	0.00E+00	5.55E-02								

5912	481441.1	3768277	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
5913	481431.6	3768277	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00
5914	481422.1	3768277	3.82E-02	0.00E+00	0.00E+00	3.78E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
5915	481412.6	3768277	3.67E-02	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00
5916	481403.1	3768277	3.53E-02	0.00E+00	0.00E+00	3.49E-02	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00
5917	481393.6	3768277	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
5918	481384.1	3768277	3.26E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
5919	481374.5	3768277	3.14E-02	0.00E+00	0.00E+00	3.11E-02	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
5920	481365	3768277	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00
5921	481355.5	3768277	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
5922	481346	3768277	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
5923	481566.5	3768285	5.51E-02	0.00E+00	0.00E+00	5.46E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00
5924	481585.6	3768299	6.31E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00
5925	481592.1	3768315	7.35E-02	0.00E+00	0.00E+00	7.27E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00
5926	481517.2	3768268	4.37E-02	0.00E+00	0.00E+00	4.32E-02	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00
5927	481507.7	3768268	4.29E-02	0.00E+00	0.00E+00	4.25E-02	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00
5928	481498.2	3768268	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
5929	481488.7	3768268	4.12E-02	0.00E+00	0.00E+00	4.08E-02	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00
5930	481479.2	3768268	4.03E-02	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00
5931	481469.7	3768268	3.91E-02	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00
5932	481460.2	3768268	3.78E-02	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
5933	481450.7	3768268	3.65E-02	0.00E+00	0.00E+00	3.62E-02	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00
5934	481441.2	3768268	3.52E-02	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00
5935	481431.6	3768267	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
5936	481422.1	3768267	3.26E-02	0.00E+00	0.00E+00	3.22E-02	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00
5937	481412.6	3768267	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
5938	481403.1	3768267	3.01E-02	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00
5939	481393.6	3768267	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
5940	481384.1	3768267	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
5941	481374.6	3768267	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
5942	481365.1	3768267	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
5943	481355.6	3768267	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
5944	481346.1	3768267	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
5945	481565.9	3768274	4.87E-02	0.00E+00	0.00E+00	4.81E-02	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
5946	481581.6	3768281	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00
5947	481592.6	3768292	5.71E-02	0.00E+00	0.00E+00	5.65E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00
5948	481599	3768308	6.60E-02	0.00E+00	0.00E+00	6.53E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00
5949	481605.4	3768324	7.46E-02	0.00E+00	0.00E+00	7.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00
5950	481517.3	3768258	3.83E-02	0.00E+00	0.00E+00	3.79E-02	0.00E+00	0.00E+00	6.95E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00
5951	481507.8	3768258	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00
5952	481498.2	3768258	3.67E-02	0.00E+00	0.00E+00	3.63E-02	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00
5953	481488.7	3768258	3.59E-02	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00
5954	481479.2	3768258	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
5955	481469.7	3768258	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
5956	481460.2	3768258	3.28E-02	0.00E+00	0.00E+00	3.24E-02	0.00E+00	0.00E+00	5.96E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00
5957	481450.7	3768258	3.16E-02	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00
5958	481441.2	3768258	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
5959	481431.7	3768258	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
5960	481422.2	3768258	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
5961	481412.7	3768258	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
5962	481403.2	3768258	2.61E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
5963	481393.6	3768257	2.51E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00
5964	481384.1	3768257	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
5965	481374.6	3768257	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
5966	481365.1	3768257	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
5967	481355.6	3768257	2.21E-02	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
5968	481346.1	3768257	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
5969	481336.6	3768257	2.12E-02	0.00E+00	0.00E+00	2.10E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
5970	481552.9	3768259	4.05E-02	0.00E+00	0.00E+00	4.01E-02	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00
5971	481561.6	3768263	4.23E-02	0.00E+00	0.00E+00	4.19E-02	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00
5972	481570.3	3768266	4.41E-02	0.00E+00	0.00E+00	4.36E-02	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00
5973	481579	3768270	4.57E-02	0.00E+00	0.00E+00	4.52E-02	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00
5974	481587.7	3768274	4.71E-02	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	8.55E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00
5975	481599.9	3768286	5.25E-02	0.00E+00	0.00									

6003	481577.9	3768260	4.07E-02	0.00E+00	0.00E+00	4.03E-02	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00
6004	481586.4	3768263	4.21E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
6005	481594.9	3768267	4.33E-02	0.00E+00	0.00E+00	4.28E-02	0.00E+00	0.00E+00	7.87E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00
6006	481606.8	3768279	4.79E-02	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00	8.71E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00
6007	481610.3	3768288	5.16E-02	0.00E+00	0.00E+00	5.11E-02	0.00E+00	0.00E+00	9.38E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00
6008	481613.8	3768296	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00
6009	481617.3	3768305	5.92E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00
6010	481620.7	3768313	6.28E-02	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00
6011	481624.2	3768322	6.62E-02	0.00E+00	0.00E+00	6.55E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00
6031	481551.9	3768239	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
6032	481560.3	3768243	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
6033	481568.6	3768246	3.50E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00
6034	481577	3768250	3.64E-02	0.00E+00	0.00E+00	3.60E-02	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00
6035	481585.3	3768253	3.77E-02	0.00E+00	0.00E+00	3.73E-02	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00
6036	481593.7	3768257	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00
6039	481620.6	3768289	5.06E-02	0.00E+00	0.00E+00	5.00E-02	0.00E+00	0.00E+00	9.19E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00
6040	481624	3768297	5.39E-02	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00
6041	481630.8	3768314	6.02E-02	0.00E+00	0.00E+00	5.96E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00
6061	481551.6	3768229	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
6062	481568	3768236	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
6063	481584.5	3768243	3.39E-02	0.00E+00	0.00E+00	3.35E-02	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00
6064	481600.9	3768250	3.61E-02	0.00E+00	0.00E+00	3.57E-02	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00
6066	481627.4	3768281	4.64E-02	0.00E+00	0.00E+00	4.59E-02	0.00E+00	0.00E+00	8.42E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00
6067	481634.2	3768298	5.22E-02	0.00E+00	0.00E+00	5.17E-02	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00
6089	481567.6	3768226	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.12E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
6090	481583.8	3768233	3.05E-02	0.00E+00	0.00E+00	3.02E-02	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00
6091	481600	3768240	3.27E-02	0.00E+00	0.00E+00	3.23E-02	0.00E+00	0.00E+00	5.94E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00
6118	481553.1	3768210	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
6119	481561.8	3768214	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
6120	481570.5	3768217	2.59E-02	0.00E+00	0.00E+00	2.57E-02	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00
6121	481579.2	3768221	2.71E-02	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00
6122	481587.9	3768225	2.82E-02	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00
6123	481596.6	3768228	2.93E-02	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
6156	481552.7	3768200	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
6157	481561.3	3768204	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
6158	481569.9	3768207	2.35E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
6159	481578.4	3768211	2.45E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
6160	481587	3768214	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
6161	481595.5	3768218	2.66E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
6196	481552.4	3768190	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
6197	481560.9	3768194	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
6198	481569.3	3768197	2.13E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
6199	481577.8	3768201	2.23E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00
6200	481586.2	3768204	2.32E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
6201	481594.7	3768208	2.41E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
6202	481603.1	3768211	2.50E-02	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00
6239	481568.9	3768187	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
6240	481577.2	3768191	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
6241	481585.6	3768194	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
6242	481593.9	3768198	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
6243	481602.3	3768201	2.28E-02	0.00E+00	0.00E+00	2.26E-02	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00
6278	481585	3768184	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
6279	481601.5	3768191	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
7551	481528.7	3767802	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
7552	481519.2	3767802	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
7553	481509.7	3767802	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
7554	481500.1	3767801	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
7555	481490.6	3767801	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
7556	481481.1	3767801	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
7557	481471.6	3767801	2.20E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
7558	481462.1	3767801	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
7559	481452.6	3767801	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
7560	481443.1	3767801	2.12E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
7572	481537.4	3767775	2.23E-03	0.00E+00	0.00E+00									

UnMitigated				T2				T2L3				T4						
ID	X	Y	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	481326.38	3768345.69	3.964E-07	1.79E-07	0.00E+00	5.75E-07	3.92E-07	2.60E-07	0.00E+00	6.52E-07	7.20E-08	4.43E-08	0.00E+00	1.16E-07	4.02E-08	3.82E-08	0.00E+00	7.84E-08
2	481326.28	3768355.63	5.478E-07	2.47E-07	0.00E+00	7.95E-07	5.42E-07	3.59E-07	0.00E+00	9.01E-07	9.95E-08	6.12E-08	0.00E+00	1.61E-07	5.56E-08	5.28E-08	0.00E+00	1.08E-07
3	481326.18	3768365.57	7.097E-07	3.20E-07	0.00E+00	1.03E-06	7.02E-07	4.66E-07	0.00E+00	1.17E-06	1.29E-07	7.93E-08	0.00E+00	2.08E-07	7.20E-08	6.85E-08	0.00E+00	1.40E-07
4	481326.08	3768375.51	8.653E-07	3.90E-07	0.00E+00	1.26E-06	8.56E-07	5.68E-07	0.00E+00	1.42E-06	1.57E-07	9.67E-08	0.00E+00	2.54E-07	8.78E-08	8.35E-08	0.00E+00	1.71E-07
5	481325.98	3768385.44	1.034E-06	4.66E-07	0.00E+00	1.50E-06	1.02E-06	6.78E-07	0.00E+00	1.70E-06	1.88E-07	1.16E-07	0.00E+00	3.03E-07	1.05E-07	9.97E-08	0.00E+00	2.05E-07
6	481325.88	3768395.38	1.205E-06	5.43E-07	0.00E+00	1.75E-06	1.19E-06	7.90E-07	0.00E+00	1.98E-06	2.19E-07	1.35E-07	0.00E+00	3.53E-07	1.22E-07	1.16E-07	0.00E+00	2.38E-07
7	481325.78	3768405.32	1.348E-06	6.08E-07	0.00E+00	1.96E-06	1.33E-06	8.85E-07	0.00E+00	2.22E-06	2.45E-07	1.51E-07	0.00E+00	3.96E-07	1.37E-07	1.30E-07	0.00E+00	2.67E-07
8	481325.68	3768415.26	1.465E-06	6.61E-07	0.00E+00	2.13E-06	1.45E-06	9.61E-07	0.00E+00	2.41E-06	2.66E-07	1.64E-07	0.00E+00	4.30E-07	1.49E-07	1.41E-07	0.00E+00	2.90E-07
9	481325.58	3768425.2	1.581E-06	7.13E-07	0.00E+00	2.29E-06	1.56E-06	1.04E-06	0.00E+00	2.60E-06	2.87E-07	1.77E-07	0.00E+00	4.64E-07	1.60E-07	1.52E-07	0.00E+00	3.13E-07
10	481325.48	3768435.13	1.726E-06	7.78E-07	0.00E+00	2.50E-06	1.71E-06	1.13E-06	0.00E+00	2.84E-06	3.14E-07	1.93E-07	0.00E+00	5.07E-07	1.75E-07	1.67E-07	0.00E+00	3.42E-07
11	481325.38	3768445.07	2.009E-06	9.06E-07	0.00E+00	2.92E-06	1.99E-06	1.32E-06	0.00E+00	3.31E-06	3.65E-07	2.25E-07	0.00E+00	5.90E-07	2.04E-07	1.94E-07	0.00E+00	3.98E-07
12	481316.44	3768355.53	4.689E-07	2.11E-07	0.00E+00	6.80E-07	4.64E-07	3.08E-07	0.00E+00	7.72E-07	8.52E-08	5.24E-08	0.00E+00	1.38E-07	4.76E-08	4.52E-08	0.00E+00	9.28E-08
13	481316.34	3768365.47	5.909E-07	2.66E-07	0.00E+00	8.57E-07	5.85E-07	3.88E-07	0.00E+00	9.72E-07	1.07E-07	6.60E-08	0.00E+00	1.73E-07	5.99E-08	5.70E-08	0.00E+00	1.17E-07
14	481316.24	3768375.41	7.176E-07	3.24E-07	0.00E+00	1.04E-06	7.10E-07	4.71E-07	0.00E+00	1.18E-06	1.30E-07	8.02E-08	0.00E+00	2.11E-07	7.28E-08	6.92E-08	0.00E+00	1.42E-07
15	481316.14	3768385.34	8.485E-07	3.83E-07	0.00E+00	1.23E-06	8.40E-07	5.57E-07	0.00E+00	1.40E-06	1.54E-07	9.48E-08	0.00E+00	2.49E-07	8.61E-08	8.19E-08	0.00E+00	1.68E-07
16	481316.04	3768395.28	9.768E-07	4.41E-07	0.00E+00	1.42E-06	9.67E-07	6.41E-07	0.00E+00	1.61E-06	1.77E-07	1.09E-07	0.00E+00	2.87E-07	9.91E-08	9.42E-08	0.00E+00	1.93E-07
17	481315.94	3768405.22	1.096E-06	4.94E-07	0.00E+00	1.59E-06	1.08E-06	7.19E-07	0.00E+00	1.80E-06	1.99E-07	1.23E-07	0.00E+00	3.22E-07	1.11E-07	1.06E-07	0.00E+00	2.17E-07
18	481315.84	3768415.16	1.208E-06	5.45E-07	0.00E+00	1.75E-06	1.19E-06	7.92E-07	0.00E+00	1.99E-06	2.19E-07	1.35E-07	0.00E+00	3.54E-07	1.22E-07	1.16E-07	0.00E+00	2.39E-07
19	481315.74	3768425.1	1.326E-06	5.98E-07	0.00E+00	1.92E-06	1.31E-06	8.70E-07	0.00E+00	2.18E-06	2.41E-07	1.48E-07	0.00E+00	3.89E-07	1.34E-07	1.28E-07	0.00E+00	2.62E-07
20	481315.64	3768435.03	1.485E-06	6.70E-07	0.00E+00	2.15E-06	1.47E-06	9.74E-07	0.00E+00	2.44E-06	2.70E-07	1.66E-07	0.00E+00	4.36E-07	1.51E-07	1.43E-07	0.00E+00	2.94E-07
21	481315.54	3768444.97	1.808E-06	8.15E-07	0.00E+00	2.62E-06	1.79E-06	1.19E-06	0.00E+00	2.98E-06	3.28E-07	2.02E-07	0.00E+00	5.31E-07	1.83E-07	1.74E-07	0.00E+00	3.58E-07
22	481322.45	3768321.94	1.842E-07	8.31E-08	0.00E+00	2.67E-07	1.82E-07	1.21E-07	0.00E+00	3.03E-07	3.35E-08	2.06E-08	0.00E+00	5.41E-08	1.87E-08	1.78E-08	0.00E+00	3.65E-08
23	481306.61	3768355.43	4.139E-07	1.87E-07	0.00E+00	6.01E-07	4.10E-07	2.72E-07	0.00E+00	6.81E-07	7.52E-08	4.63E-08	0.00E+00	1.21E-07	4.20E-08	3.99E-08	0.00E+00	8.19E-08
24	481306.51	3768365.37	5.117E-07	2.31E-07	0.00E+00	7.42E-07	5.06E-07	3.36E-07	0.00E+00	8.42E-07	9.30E-08	5.72E-08	0.00E+00	1.50E-07	5.19E-08	4.94E-08	0.00E+00	1.01E-07
25	481306.41	3768375.31	6.155E-07	2.78E-07	0.00E+00	8.93E-07	6.09E-07	4.04E-07	0.00E+00	1.01E-06	1.12E-07	6.88E-08	0.00E+00	1.81E-07	6.24E-08	5.94E-08	0.00E+00	1.22E-07
26	481306.31	3768385.25	7.223E-07	3.26E-07	0.00E+00	1.05E-06	7.15E-07	4.74E-07	0.00E+00	1.19E-06	1.31E-07	8.07E-08	0.00E+00	2.12E-07	7.33E-08	6.97E-08	0.00E+00	1.43E-07
27	481306.21	3768395.18	8.282E-07	3.74E-07	0.00E+00	1.20E-06	8.20E-07	5.43E-07	0.00E+00	1.36E-06	1.50E-07	9.26E-08	0.00E+00	2.43E-07	8.40E-08	7.99E-08	0.00E+00	1.64E-07
28	481306.11	3768405.12	9.321E-07	4.20E-07	0.00E+00	1.35E-06	9.22E-07	6.12E-07	0.00E+00	1.53E-06	1.69E-07	1.04E-07	0.00E+00	2.74E-07	9.45E-08	8.99E-08	0.00E+00	1.84E-07
29	481306.01	3768415.06	1.037E-06	4.68E-07	0.00E+00	1.50E-06	1.03E-06	6.80E-07	0.00E+00	1.71E-06	1.88E-07	1.16E-07	0.00E+00	3.04E-07	1.05E-07	1.00E-07	0.00E+00	2.05E-07
30	481305.91	3768425	1.156E-06	5.21E-07	0.00E+00	1.68E-06	1.14E-06	7.58E-07	0.00E+00	1.90E-06	2.10E-07	1.29E-07	0.00E+00	3.39E-07	1.17E-07	1.11E-07	0.00E+00	2.29E-07
31	481305.81	3768434.94	1.325E-06	5.98E-07	0.00E+00	1.92E-06	1.31E-06	8.70E-07	0.00E+00	2.18E-06	2.41E-07	1.48E-07	0.00E+00	3.89E-07	1.34E-07	1.28E-07	0.00E+00	2.62E-07
32	481305.71	3768444.87	1.665E-06	7.51E-07	0.00E+00	2.42E-06	1.65E-06	1.09E-06	0.00E+00	2.74E-06	3.03E-07	1.86E-07	0.00E+00	4.89E-07	1.69E-07	1.61E-07	0.00E+00	3.30E-07
33	481305.66	3768324.67	1.884E-07	8.49E-08	0.00E+00	2.73E-07	1.86E-07	1.24E-07	0.00E+00	3.10E-07	3.42E-08	2.11E-08	0.00E+00	5.53E-08	1.91E-08	1.82E-08	0.00E+00	3.73E-08
34	481315.54	3768314.93	1.514E-07	6.83E-08	0.00E+00	2.20E-07	1.50E-07	9.93E-08	0.00E+00	2.49E-07	2.75E-08	1.69E-08	0.00E+00	4.44E-08	1.54E-08	1.46E-08	0.00E+00	3.00E-08
35	481329.44	3768309.27	1.359E-07	6.13E-08	0.00E+00	1.97E-07	1.35E-07	8.92E-08	0.00E+00	2.24E-07	2.47E-08	1.52E-08	0.00E+00	3.99E-08	1.38E-08	1.31E-08	0.00E+00	2.69E-08
36	481296.77	3768355.33	3.72E-07	1.68E-07	0.00E+00	5.40E-07	3.68E-07	2.44E-07	0.00E+00	6.12E-07	6.76E-08	4.16E-08	0.00E+00	1.09E-07	3.77E-08	3.59E-08	0.00E+00	7.36E-08
37	481296.67	3768365.27	4.53E-07	2.04E-07	0.00E+00	6.57E-07	4.48E-07	2.97E-07	0.00E+00	7.45E-07	8.23E-08	5.06E-08	0.00E+00	1.33E-07	4.59E-08	4.37E-08	0.00E+00	8.96E-08
38	481296.57	3768375.21	5.396E-07	2.43E-07	0.00E+00	7.83E-07	5.34E-07	3.54E-07	0.00E+00	8.88E-07	9.81E-08	6.03E-08	0.00E+00	1.58E-07	5.47E-08	5.21E-08	0.00E+00	1.07E-07
39	481296.47	3768385.15	6.295E-07	2.84E-07	0.00E+00	9.13E-07	6.23E-07	4.13E-07	0.00E+00	1.04E-06	1.14E-07	7.04E-08	0.00E+00	1.85E-07	6.39E-08	6.07E-08	0.00E+00	1.25E-07
40	481296.37	3768395.08	7.204E-07	3.25E-07	0.00E+00	1.05E-06	7.13E-07	4.73E-07	0.00E+00	1.19E-06	1.31E-07	8.05E-08	0.00E+00	2.11E-07	7.31E-08	6.95E-08	0.00E+00	1.43E-07
41	481296.27	3768405.02	8.13E-07	3.67E-07	0.00E+00	1.18E-06	8.04E-07	5.33E-07	0.00E+00	1.34E-06	1.48E-07	9.09E-08	0.00E+00	2.39E-07	8.25E-08	7.84E-08	0.00E+00	1.61E-07
42	481296.17	3768414.96	9.116E-07	4.11E-07	0.00E+00	1.32E-06	9.02E-07	5.98E-07	0.00E+00	1.50E-06	1.66E-07	1.02E-07	0.00E+00	2.68E-07	9.25E-08	8.79E-08	0.00E+00	1.80E-07
43	481296.07	3768424.9	1.03E-06	4.64E-07	0.00E+00	1.49E-06	1.02E-06	6.76E-07	0.00E+00	1.69E-06	1.87E-07	1.15E-07	0.00E+00	3.02E-07	1.04E-07	9.94E-08	0.00E+00	2.04E-07
44	481295.97	3768434.84	1.205E-06	5.43E-07	0.00E+00	1.75E-06	1.19E-06	7.91E-07	0.00E+00	1.98E-06	2.19E-07	1.35E-07	0.00E+00	3.54E-07	1.22E-07	1.16E-07	0.00E+00	2.38E-07
45	481295.87	3768444.77	1.553E-06	7.01E-07	0.00E+00	2.25E-06	1.54E-06	1.02E-06	0.00E+00	2.56E-06	2.82E-07	1.74E-07	0.00E+00	4.56E-07	1.58E-07	1.50E-07	0.00E+00	3.07E-07
46	481298.02	3768319.39	1.615E-07	7.28E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	2.93E-08	1.81E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.20E-08
47	481310.37	3768307.22	1.254E-07	5.65E-08	0.00E+00	1.82E-07	1.24E-07	8.23E-08	0.00E+00	2.06E-07	2.28E-08	1.40E-08	0.00E+00	3.68E-08	1.27E-08	1.21E-08	0.00E+00	2.48E-08
48	481319.05	3768303.68	1.177E-07	5.31E-08	0.00E+00	1.71E-07	1.16E-07	7.72E-08	0.00E+00	1.94E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
49	481327.74	3768300.14	1.107E-07	4.99E-08	0.00E+00	1.61E-07	1.10E-07	7.26E-08	0.00E+00	1								

116	481247.38	3768374.71	3.341E-07	1.51E-07	0.00E+00	4.85E-07	3.31E-07	2.19E-07	0.00E+00	5.50E-07	6.07E-08	3.73E-08	0.00E+00	9.80E-08	3.39E-08	3.22E-08	0.00E+00	6.61E-08
117	481247.28	3768384.65	3.814E-07	1.72E-07	0.00E+00	5.53E-07	3.77E-07	2.50E-07	0.00E+00	6.28E-07	6.93E-08	4.26E-08	0.00E+00	1.12E-07	3.87E-08	3.68E-08	0.00E+00	7.55E-08
118	481247.18	3768394.59	4.329E-07	1.95E-07	0.00E+00	6.28E-07	4.28E-07	2.84E-07	0.00E+00	7.12E-07	7.87E-08	4.84E-08	0.00E+00	1.27E-07	4.39E-08	4.18E-08	0.00E+00	8.57E-08
119	481247.08	3768404.53	4.911E-07	2.21E-07	0.00E+00	7.13E-07	4.86E-07	3.22E-07	0.00E+00	8.08E-07	8.92E-08	5.49E-08	0.00E+00	1.44E-07	4.98E-08	4.74E-08	0.00E+00	9.72E-08
120	481246.98	3768414.47	5.619E-07	2.53E-07	0.00E+00	8.15E-07	5.56E-07	3.69E-07	0.00E+00	9.25E-07	1.02E-07	6.28E-08	0.00E+00	1.65E-07	5.70E-08	5.42E-08	0.00E+00	1.11E-07
121	481246.88	3768424.4	6.594E-07	2.97E-07	0.00E+00	9.57E-07	6.53E-07	4.33E-07	0.00E+00	1.09E-06	1.20E-07	7.37E-08	0.00E+00	1.94E-07	6.69E-08	6.36E-08	0.00E+00	1.31E-07
122	481246.78	3768434.34	8.185E-07	3.69E-07	0.00E+00	1.19E-06	8.10E-07	5.37E-07	0.00E+00	1.35E-06	1.49E-07	9.15E-08	0.00E+00	2.40E-07	8.30E-08	7.90E-08	0.00E+00	1.62E-07
123	481246.68	3768444.28	1.146E-06	5.17E-07	0.00E+00	1.66E-06	1.13E-06	7.52E-07	0.00E+00	1.89E-06	2.08E-07	1.28E-07	0.00E+00	3.36E-07	1.16E-07	1.11E-07	0.00E+00	2.27E-07
124	481248.83	3768318.9	1.363E-07	6.15E-08	0.00E+00	1.98E-07	1.35E-07	8.94E-08	0.00E+00	2.24E-07	2.48E-08	1.52E-08	0.00E+00	4.00E-08	1.38E-08	1.31E-08	0.00E+00	2.70E-08
125	481252.49	3768310.26	1.18E-07	5.32E-08	0.00E+00	1.71E-07	1.17E-07	7.74E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.20E-08	1.14E-08	0.00E+00	2.34E-08
126	481256.16	3768301.63	1.019E-07	4.59E-08	0.00E+00	1.48E-07	1.01E-07	6.69E-08	0.00E+00	1.68E-07	1.85E-08	1.14E-08	0.00E+00	2.99E-08	1.03E-08	9.83E-09	0.00E+00	2.02E-08
127	481259.82	3768293	8.8E-08	3.97E-08	0.00E+00	1.28E-07	8.71E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.84E-09	0.00E+00	2.58E-08	8.93E-09	8.49E-09	0.00E+00	1.74E-08
128	481263.48	3768284.36	7.629E-08	3.44E-08	0.00E+00	1.11E-07	7.55E-08	5.01E-08	0.00E+00	1.26E-07	1.39E-08	8.53E-09	0.00E+00	2.24E-08	7.74E-09	7.36E-09	0.00E+00	1.51E-08
129	481275.83	3768272.19	6.341E-08	2.86E-08	0.00E+00	9.20E-08	6.27E-08	4.16E-08	0.00E+00	1.04E-07	1.15E-08	7.09E-09	0.00E+00	1.86E-08	6.43E-09	6.12E-09	0.00E+00	1.25E-08
130	481284.52	3768268.65	6.048E-08	2.73E-08	0.00E+00	8.78E-08	5.98E-08	3.97E-08	0.00E+00	9.95E-08	1.10E-08	6.76E-09	0.00E+00	1.77E-08	6.13E-09	5.83E-09	0.00E+00	1.20E-08
131	481293.2	3768265.11	5.78E-08	2.61E-08	0.00E+00	8.39E-08	5.72E-08	3.79E-08	0.00E+00	9.51E-08	1.05E-08	6.46E-09	0.00E+00	1.70E-08	5.86E-09	5.58E-09	0.00E+00	1.14E-08
132	481301.89	3768261.57	5.539E-08	2.50E-08	0.00E+00	8.04E-08	5.48E-08	3.63E-08	0.00E+00	9.11E-08	1.01E-08	6.19E-09	0.00E+00	1.63E-08	5.62E-09	5.34E-09	0.00E+00	1.10E-08
133	481310.57	3768258.03	5.327E-08	2.40E-08	0.00E+00	7.73E-08	5.27E-08	3.50E-08	0.00E+00	8.77E-08	9.68E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.14E-09	0.00E+00	1.05E-08
134	481319.26	3768254.49	5.14E-08	2.32E-08	0.00E+00	7.46E-08	5.09E-08	3.37E-08	0.00E+00	8.46E-08	9.34E-09	5.74E-09	0.00E+00	1.51E-08	5.21E-09	4.96E-09	0.00E+00	1.02E-08
135	481327.94	3768250.94	4.977E-08	2.24E-08	0.00E+00	7.22E-08	4.92E-08	3.27E-08	0.00E+00	8.19E-08	9.40E-09	5.56E-09	0.00E+00	1.46E-08	5.05E-09	4.80E-09	0.00E+00	9.85E-09
136	481237.74	3768354.74	2.344E-07	1.06E-07	0.00E+00	3.40E-07	2.32E-07	1.54E-07	0.00E+00	3.86E-07	4.26E-08	2.62E-08	0.00E+00	6.88E-08	2.38E-08	2.26E-08	0.00E+00	4.64E-08
137	481237.64	3768364.68	2.709E-07	1.22E-07	0.00E+00	3.93E-07	2.68E-07	1.78E-07	0.00E+00	4.46E-07	4.92E-08	3.03E-08	0.00E+00	7.95E-08	2.75E-08	2.61E-08	0.00E+00	5.36E-08
138	481237.54	3768374.61	3.104E-07	1.40E-07	0.00E+00	4.50E-07	3.07E-07	2.04E-07	0.00E+00	5.11E-07	5.64E-08	3.47E-08	0.00E+00	9.11E-08	3.15E-08	2.99E-08	0.00E+00	6.14E-08
139	481237.44	3768384.55	3.531E-07	1.59E-07	0.00E+00	5.12E-07	3.49E-07	2.32E-07	0.00E+00	5.81E-07	6.42E-08	3.95E-08	0.00E+00	1.04E-07	3.58E-08	3.41E-08	0.00E+00	6.99E-08
140	481237.34	3768394.49	3.999E-07	1.80E-07	0.00E+00	5.80E-07	3.96E-07	2.62E-07	0.00E+00	6.58E-07	7.27E-08	4.47E-08	0.00E+00	1.17E-07	4.06E-08	3.86E-08	0.00E+00	7.91E-08
141	481237.24	3768404.43	4.53E-07	2.04E-07	0.00E+00	6.57E-07	4.48E-07	2.97E-07	0.00E+00	7.45E-07	8.23E-08	5.06E-08	0.00E+00	1.33E-07	4.59E-08	4.37E-08	0.00E+00	8.96E-08
142	481237.14	3768414.37	5.177E-07	2.33E-07	0.00E+00	7.51E-07	5.12E-07	3.40E-07	0.00E+00	8.52E-07	9.41E-08	5.79E-08	0.00E+00	1.52E-07	5.25E-08	4.99E-08	0.00E+00	1.02E-07
143	481237.04	3768424.3	6.066E-07	2.74E-07	0.00E+00	8.80E-07	6.00E-07	3.98E-07	0.00E+00	9.98E-07	1.10E-07	6.78E-08	0.00E+00	1.78E-07	6.15E-08	5.85E-08	0.00E+00	1.20E-07
144	481236.94	3768434.24	7.521E-07	3.39E-07	0.00E+00	1.09E-06	7.44E-07	4.94E-07	0.00E+00	1.24E-06	1.37E-07	8.41E-08	0.00E+00	2.21E-07	7.63E-08	7.26E-08	0.00E+00	1.49E-07
145	481236.84	3768444.18	1.058E-06	4.77E-07	0.00E+00	1.53E-06	1.05E-06	6.94E-07	0.00E+00	1.74E-06	1.92E-07	1.18E-07	0.00E+00	3.10E-07	1.07E-07	1.02E-07	0.00E+00	2.09E-07
146	481238.75	3768319.37	1.328E-07	5.99E-08	0.00E+00	1.93E-07	1.31E-07	8.71E-08	0.00E+00	2.19E-07	1.24E-08	1.48E-08	0.00E+00	3.90E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
147	481245.91	3768302.49	1.013E-07	4.57E-08	0.00E+00	1.47E-07	1.00E-07	6.65E-08	0.00E+00	1.67E-07	1.84E-08	1.13E-08	0.00E+00	2.97E-08	1.03E-08	9.77E-09	0.00E+00	2.00E-08
148	481249.49	3768294.05	8.824E-08	3.98E-08	0.00E+00	1.28E-07	8.73E-08	5.79E-08	0.00E+00	1.45E-07	1.60E-08	9.86E-09	0.00E+00	2.59E-08	8.95E-09	8.51E-09	0.00E+00	1.75E-08
149	481253.07	3768285.61	7.701E-08	3.47E-08	0.00E+00	1.12E-07	7.62E-08	5.05E-08	0.00E+00	1.27E-07	1.40E-08	8.61E-09	0.00E+00	2.26E-08	7.81E-09	7.43E-09	0.00E+00	1.52E-08
150	481268.73	3768265.26	5.692E-08	2.57E-08	0.00E+00	8.26E-08	5.63E-08	3.73E-08	0.00E+00	9.37E-08	1.03E-08	6.36E-09	0.00E+00	1.67E-08	5.77E-09	5.49E-09	0.00E+00	1.13E-08
151	481277.22	3768261.8	5.449E-08	2.46E-08	0.00E+00	7.91E-08	5.39E-08	3.58E-08	0.00E+00	8.97E-08	9.90E-09	6.09E-09	0.00E+00	1.60E-08	5.53E-09	5.26E-09	0.00E+00	1.08E-08
152	481285.72	3768258.34	5.226E-08	2.36E-08	0.00E+00	7.58E-08	5.17E-08	3.43E-08	0.00E+00	8.60E-08	9.49E-09	5.84E-09	0.00E+00	1.53E-08	5.30E-09	5.04E-09	0.00E+00	1.03E-08
153	481294.21	3768254.87	5.022E-08	2.26E-08	0.00E+00	7.29E-08	4.97E-08	3.30E-08	0.00E+00	8.26E-08	9.12E-09	5.61E-09	0.00E+00	1.47E-08	5.09E-09	4.84E-09	0.00E+00	9.94E-09
154	481302.7	3768251.41	4.841E-08	2.18E-08	0.00E+00	7.02E-08	4.79E-08	3.18E-08	0.00E+00	7.97E-08	8.80E-09	5.41E-09	0.00E+00	1.42E-08	4.91E-09	4.67E-09	0.00E+00	9.58E-09
155	481311.19	3768247.95	4.682E-08	2.11E-08	0.00E+00	6.79E-08	4.63E-08	3.07E-08	0.00E+00	7.71E-08	8.51E-09	5.23E-09	0.00E+00	1.37E-08	4.75E-09	4.52E-09	0.00E+00	9.27E-09
156	481319.68	3768244.49	4.542E-08	2.05E-08	0.00E+00	6.59E-08	4.49E-08	2.98E-08	0.00E+00	7.47E-08	8.25E-09	5.08E-09	0.00E+00	1.33E-08	4.61E-09	4.38E-09	0.00E+00	8.99E-09
157	481328.18	3768241.03	4.42E-08	1.99E-08	0.00E+00	6.41E-08	4.37E-08	2.90E-08	0.00E+00	7.27E-08	8.03E-09	4.94E-09	0.00E+00	1.30E-08	4.48E-09	4.26E-09	0.00E+00	8.75E-09
158	481227.9	3768354.64	2.208E-07	9.96E-08	0.00E+00	3.20E-07	2.19E-07	1.45E-07	0.00E+00	3.63E-07	4.01E-08	2.47E-08	0.00E+00	6.48E-08	2.24E-08	2.13E-08	0.00E+00	4.37E-08
159	481227.8	3768364.58	2.538E-07	1.14E-07	0.00E+00	3.68E-07	2.51E-07	1.67E-07	0.00E+00	4.18E-07	4.61E-08	2.84E-08	0.00E+00	7.45E-08	2.57E-08	2.45E-08	0.00E+00	5.02E-08
160	481227.7	3768374.52	2.897E-07	1.31E-07	0.00E+00	4.20E-07	2.87E-07	1.90E-07	0.00E+00	4.77E-07	5.26E-08	3.24E-08	0.00E+00	8.50E-08	2.94E-08	2.79E-08	0.00E+00	5.73E-08
161	481227.6	3768384.45	3.285E-07	1.48E-07	0.00E+00	4.77E-07	3.25E-07	2.16E-07	0.00E+00	5.41E-07	5.97E-08	3.67E-08	0.00E+00	9.64E-08	3.33E-08	3.17E-08	0.00E+00	6.50E-08
162	481227.5	3768394.39	3.712E-07	1.67E-07	0.00E+00	5.39E-07	3.67E-07	2.44E-07	0.00E+00	6.11E-07	6.75E-08	4.15E-08	0.00E+00	1.09E-07	3.77E-08	3.58E-08	0.00E+00	7.35E-08
163	481227.4	3768404.33	4.198E-07	1.89E-07	0.00E+00	6.09E-07	4.15E-07	2.75E-07	0.00E+00	6.91E-07	7.63E-08	4.69E-08	0.00E+00	1.23E-07	4.26E-08	4.05E-08	0.00E+00	8.31E-08
164	481227.3	3768414.27	4.787E-07	2.16E-07	0.00E+00	6.95E-07	4.74E-07	3.14E-07	0.00E+00	7.88E-07	8.70E-08	5.35E-08	0.00E+00	1.40E-07	4.86E-08	4.62E-08	0.00E+00	9.47E-08
165	481227.2	3768424.21	5.582E-07	2.52E-07	0.													

248	481225.28	3768257.96	5.001E-08	2.26E-08	0.00E+00	7.26E-08	4.95E-08	3.28E-08	0.00E+00	8.23E-08	9.09E-09	5.59E-09	0.00E+00	1.47E-08	5.07E-09	4.82E-09	0.00E+00	9.90E-09
249	481228.95	3768249.33	4.486E-08	2.02E-08	0.00E+00	6.51E-08	4.44E-08	2.94E-08	0.00E+00	7.38E-08	8.15E-09	5.01E-09	0.00E+00	1.32E-08	4.55E-09	4.33E-09	0.00E+00	8.88E-09
261	481188.55	3768354.24	1.804E-07	8.14E-08	0.00E+00	2.62E-07	1.79E-07	1.18E-07	0.00E+00	2.97E-07	3.28E-08	2.02E-08	0.00E+00	5.29E-08	1.83E-08	1.74E-08	0.00E+00	3.57E-08
262	481188.45	3768364.18	2.043E-07	9.21E-08	0.00E+00	2.96E-07	2.02E-07	1.34E-07	0.00E+00	3.36E-07	3.71E-08	2.28E-08	0.00E+00	6.00E-08	2.07E-08	1.97E-08	0.00E+00	4.04E-08
263	481188.35	3768374.12	2.305E-07	1.04E-07	0.00E+00	3.34E-07	2.28E-07	1.51E-07	0.00E+00	3.79E-07	4.19E-08	2.58E-08	0.00E+00	6.77E-08	2.34E-08	2.22E-08	0.00E+00	4.56E-08
264	481188.25	3768384.06	2.595E-07	1.17E-07	0.00E+00	3.76E-07	2.57E-07	1.70E-07	0.00E+00	4.27E-07	4.71E-08	2.90E-08	0.00E+00	7.61E-08	2.63E-08	2.50E-08	0.00E+00	5.14E-08
265	481188.15	3768394	2.919E-07	1.32E-07	0.00E+00	4.24E-07	2.89E-07	1.92E-07	0.00E+00	4.80E-07	5.30E-08	3.26E-08	0.00E+00	8.57E-08	2.96E-08	2.82E-08	0.00E+00	5.78E-08
266	481188.05	3768403.93	3.293E-07	1.49E-07	0.00E+00	4.78E-07	3.26E-07	2.16E-07	0.00E+00	5.42E-07	5.98E-08	3.68E-08	0.00E+00	9.66E-08	3.34E-08	3.18E-08	0.00E+00	6.52E-08
267	481187.95	3768413.87	3.745E-07	1.69E-07	0.00E+00	5.43E-07	3.71E-07	2.46E-07	0.00E+00	6.16E-07	6.80E-08	4.19E-08	0.00E+00	1.10E-07	3.80E-08	3.61E-08	0.00E+00	7.41E-08
268	481187.85	3768423.81	4.316E-07	1.95E-07	0.00E+00	6.26E-07	4.27E-07	2.83E-07	0.00E+00	7.10E-07	7.84E-08	4.82E-08	0.00E+00	1.27E-07	4.38E-08	4.16E-08	0.00E+00	8.54E-08
269	481187.75	3768433.75	5.051E-07	2.28E-07	0.00E+00	7.33E-07	5.00E-07	3.31E-07	0.00E+00	8.31E-07	9.18E-08	5.65E-08	0.00E+00	1.48E-07	5.12E-08	4.87E-08	0.00E+00	1.00E-07
270	481187.65	3768443.69	5.944E-07	2.68E-07	0.00E+00	8.62E-07	5.88E-07	3.90E-07	0.00E+00	9.78E-07	1.08E-07	6.64E-08	0.00E+00	1.74E-07	6.03E-08	5.73E-08	0.00E+00	1.18E-07
271	481189.63	3768318.7	1.123E-07	5.06E-08	0.00E+00	1.63E-07	1.11E-07	7.37E-08	0.00E+00	1.85E-07	2.04E-08	1.25E-08	0.00E+00	3.29E-08	1.14E-08	1.08E-08	0.00E+00	2.22E-08
272	481193.24	3768310.2	1.005E-07	4.53E-08	0.00E+00	1.46E-07	9.95E-08	6.60E-08	0.00E+00	1.65E-07	1.83E-08	1.12E-08	0.00E+00	2.95E-08	1.02E-08	9.70E-09	0.00E+00	1.99E-08
273	481196.84	3768301.7	8.971E-08	4.05E-08	0.00E+00	1.30E-07	8.88E-08	5.89E-08	0.00E+00	1.48E-07	1.63E-08	1.00E-08	0.00E+00	2.63E-08	9.10E-09	8.65E-09	0.00E+00	1.78E-08
274	481200.45	3768293.2	7.989E-08	3.60E-08	0.00E+00	1.16E-07	7.91E-08	5.24E-08	0.00E+00	1.31E-07	1.45E-08	8.93E-09	0.00E+00	2.34E-08	8.10E-09	7.71E-09	0.00E+00	1.58E-08
275	481204.06	3768284.7	7.108E-08	3.21E-08	0.00E+00	1.03E-07	7.03E-08	4.66E-08	0.00E+00	1.17E-07	1.29E-08	7.94E-09	0.00E+00	2.09E-08	7.21E-09	6.86E-09	0.00E+00	1.41E-08
276	481207.67	3768276.2	6.328E-08	2.85E-08	0.00E+00	9.18E-08	6.26E-08	4.15E-08	0.00E+00	1.04E-07	1.15E-08	7.07E-09	0.00E+00	1.86E-08	6.42E-09	6.10E-09	0.00E+00	1.25E-08
277	481211.27	3768267.69	5.644E-08	2.55E-08	0.00E+00	8.19E-08	5.58E-08	3.70E-08	0.00E+00	9.29E-08	1.03E-08	6.31E-09	0.00E+00	1.66E-08	5.72E-09	5.44E-09	0.00E+00	1.12E-08
278	481214.88	3768259.19	5.051E-08	2.28E-08	0.00E+00	7.33E-08	5.00E-08	3.31E-08	0.00E+00	8.31E-08	9.18E-09	5.64E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	1.00E-08
279	481218.49	3768250.69	4.54E-08	2.05E-08	0.00E+00	6.59E-08	4.49E-08	2.98E-08	0.00E+00	7.47E-08	8.25E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.38E-09	0.00E+00	8.98E-09
280	481222.09	3768242.19	4.102E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.75E-08	7.34E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.96E-09	0.00E+00	8.12E-09
293	481178.71	3768354.14	1.727E-07	7.79E-08	0.00E+00	2.51E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.14E-08	1.93E-08	0.00E+00	5.07E-08	1.75E-08	1.67E-08	0.00E+00	3.42E-08
294	481178.61	3768364.08	1.951E-07	8.80E-08	0.00E+00	2.83E-07	1.93E-07	1.28E-07	0.00E+00	3.21E-07	3.54E-08	2.18E-08	0.00E+00	5.73E-08	1.98E-08	1.88E-08	0.00E+00	3.86E-08
295	481178.51	3768374.02	2.197E-07	9.91E-08	0.00E+00	3.19E-07	2.17E-07	1.44E-07	0.00E+00	3.62E-07	3.99E-08	2.46E-08	0.00E+00	6.45E-08	2.23E-08	2.12E-08	0.00E+00	4.35E-08
296	481178.41	3768383.96	2.47E-07	1.11E-07	0.00E+00	3.58E-07	2.44E-07	1.62E-07	0.00E+00	4.06E-07	4.49E-08	2.76E-08	0.00E+00	7.25E-08	2.51E-08	2.38E-08	0.00E+00	4.89E-08
297	481178.31	3768393.9	2.776E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.57E-07	5.04E-08	3.10E-08	0.00E+00	8.15E-08	2.82E-08	2.68E-08	0.00E+00	5.49E-08
298	481178.21	3768403.83	3.13E-07	1.41E-07	0.00E+00	4.54E-07	3.10E-07	2.05E-07	0.00E+00	5.15E-07	5.69E-08	3.50E-08	0.00E+00	9.18E-08	3.17E-08	3.02E-08	0.00E+00	6.19E-08
299	481178.11	3768413.77	3.552E-07	1.60E-07	0.00E+00	5.15E-07	3.51E-07	2.33E-07	0.00E+00	5.84E-07	6.45E-08	3.97E-08	0.00E+00	1.04E-07	3.60E-08	3.43E-08	0.00E+00	7.03E-08
300	481178.01	3768423.71	4.066E-07	1.83E-07	0.00E+00	5.90E-07	4.02E-07	2.67E-07	0.00E+00	6.69E-07	7.39E-08	4.54E-08	0.00E+00	1.19E-07	4.12E-08	3.92E-08	0.00E+00	8.05E-08
301	481177.91	3768433.65	4.686E-07	2.11E-07	0.00E+00	6.80E-07	4.64E-07	3.07E-07	0.00E+00	7.71E-07	8.51E-08	5.24E-08	0.00E+00	1.38E-07	4.75E-08	4.52E-08	0.00E+00	9.27E-08
302	481177.81	3768443.59	5.392E-07	2.43E-07	0.00E+00	7.82E-07	5.34E-07	3.54E-07	0.00E+00	8.87E-07	9.80E-08	6.03E-08	0.00E+00	1.58E-07	5.47E-08	5.20E-08	0.00E+00	1.07E-07
303	481180.47	3768317.01	1.068E-07	4.82E-08	0.00E+00	1.55E-07	1.06E-07	7.01E-08	0.00E+00	1.76E-07	1.94E-08	1.19E-08	0.00E+00	3.14E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
304	481184.3	3768307.98	9.528E-08	4.30E-08	0.00E+00	1.38E-07	9.43E-08	6.25E-08	0.00E+00	1.57E-07	1.73E-08	1.06E-08	0.00E+00	2.80E-08	9.67E-09	9.19E-09	0.00E+00	1.89E-08
305	481188.13	3768298.94	8.469E-08	3.82E-08	0.00E+00	1.23E-07	8.38E-08	5.56E-08	0.00E+00	1.39E-07	1.54E-08	9.47E-09	0.00E+00	2.49E-08	8.59E-09	8.17E-09	0.00E+00	1.68E-08
306	481191.97	3768289.91	7.514E-08	3.39E-08	0.00E+00	1.09E-07	7.44E-08	4.93E-08	0.00E+00	1.24E-07	1.37E-08	8.40E-09	0.00E+00	2.20E-08	7.62E-09	7.25E-09	0.00E+00	1.49E-08
307	481195.8	3768280.88	6.661E-08	3.00E-08	0.00E+00	9.66E-08	6.59E-08	4.37E-08	0.00E+00	1.10E-07	1.21E-08	7.44E-09	0.00E+00	1.95E-08	6.76E-09	6.43E-09	0.00E+00	1.32E-08
308	481199.63	3768271.85	5.91E-08	2.67E-08	0.00E+00	8.57E-08	5.85E-08	3.88E-08	0.00E+00	9.73E-08	1.07E-08	6.60E-09	0.00E+00	1.73E-08	5.99E-09	5.70E-09	0.00E+00	1.17E-08
309	481203.46	3768262.81	5.255E-08	2.37E-08	0.00E+00	7.62E-08	5.20E-08	3.45E-08	0.00E+00	8.65E-08	9.55E-09	5.87E-09	0.00E+00	1.54E-08	5.33E-09	5.07E-09	0.00E+00	1.04E-08
310	481207.3	3768253.78	4.691E-08	2.12E-08	0.00E+00	6.81E-08	4.64E-08	3.08E-08	0.00E+00	7.72E-08	8.52E-09	5.24E-09	0.00E+00	1.38E-08	4.76E-09	4.53E-09	0.00E+00	9.28E-09
311	481211.13	3768244.75	4.208E-08	1.90E-08	0.00E+00	6.11E-08	4.16E-08	2.76E-08	0.00E+00	6.93E-08	7.65E-09	4.70E-09	0.00E+00	1.23E-08	4.27E-09	4.06E-09	0.00E+00	8.33E-09
325	481168.87	3768354.05	1.656E-07	7.47E-08	0.00E+00	2.40E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.86E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
326	481168.77	3768363.98	1.866E-07	8.41E-08	0.00E+00	2.71E-07	1.85E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.09E-08	0.00E+00	5.48E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
327	481168.67	3768373.92	2.097E-07	9.46E-08	0.00E+00	3.04E-07	2.08E-07	1.38E-07	0.00E+00	3.45E-07	3.81E-08	2.34E-08	0.00E+00	6.15E-08	2.13E-08	2.02E-08	0.00E+00	4.15E-08
328	481168.57	3768383.86	2.354E-07	1.06E-07	0.00E+00	3.42E-07	2.33E-07	1.54E-07	0.00E+00	3.87E-07	4.28E-08	2.63E-08	0.00E+00	6.91E-08	2.39E-08	2.27E-08	0.00E+00	4.66E-08
329	481168.47	3768393.8	2.644E-07	1.19E-07	0.00E+00	3.84E-07	2.62E-07	1.73E-07	0.00E+00	4.35E-07	4.80E-08	2.95E-08	0.00E+00	7.76E-08	2.68E-08	2.55E-08	0.00E+00	5.23E-08
330	481168.37	3768403.74	2.976E-07	1.34E-07	0.00E+00	4.32E-07	2.94E-07	1.95E-07	0.00E+00	4.90E-07	5.41E-08	3.33E-08	0.00E+00	8.73E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
331	481168.27	3768413.67	3.365E-07	1.52E-07	0.00E+00	4.88E-07	3.33E-07	2.21E-07	0.00E+00	5.54E-07	6.11E-08	3.76E-08	0.00E+00	9.87E-08	3.41E-08	3.25E-08	0.00E+00	6.66E-08
332	481168.17	3768423.61	3.822E-07	1.72E-07	0.00E+00	5.55E-07	3.78E-07	2.51E-07	0.00E+00	6.29E-07	6.94E-08	4.27E-08	0.00E+00	1.12E-07	3.88E-08	3.69E-08	0.00E+00	7.56E-08
333	481168.07	3768433.55	4.349E-07	1.96E-07</														

491	481119.08	3768413.18	2.582E-07	1.16E-07	0.00E+00	3.75E-07	2.56E-07	1.69E-07	0.00E+00	4.25E-07	4.69E-08	2.89E-08	0.00E+00	7.58E-08	2.62E-08	2.49E-08	0.00E+00	5.11E-08
492	481118.98	3768423.12	2.842E-07	1.28E-07	0.00E+00	4.12E-07	2.81E-07	1.86E-07	0.00E+00	4.68E-07	5.16E-08	3.18E-08	0.00E+00	8.34E-08	2.88E-08	2.74E-08	0.00E+00	5.62E-08
493	481118.88	3768433.05	3.109E-07	1.40E-07	0.00E+00	4.51E-07	3.08E-07	2.04E-07	0.00E+00	5.12E-07	5.65E-08	3.48E-08	0.00E+00	9.12E-08	3.15E-08	3.00E-08	0.00E+00	6.15E-08
494	481118.78	3768442.99	3.383E-07	1.53E-07	0.00E+00	4.91E-07	3.35E-07	2.22E-07	0.00E+00	5.57E-07	6.15E-08	3.78E-08	0.00E+00	9.93E-08	3.43E-08	3.26E-08	0.00E+00	6.69E-08
495	481117.43	3768325.86	1.001E-07	4.51E-08	0.00E+00	1.45E-07	9.90E-08	6.56E-08	0.00E+00	1.65E-07	1.82E-08	1.12E-08	0.00E+00	2.94E-08	1.01E-08	9.65E-09	0.00E+00	1.98E-08
496	481121.18	3768317.04	9.125E-08	4.12E-08	0.00E+00	1.32E-07	9.03E-08	5.99E-08	0.00E+00	1.50E-07	1.66E-08	1.02E-08	0.00E+00	2.68E-08	9.26E-09	8.80E-09	0.00E+00	1.81E-08
497	481124.92	3768308.21	8.3E-08	3.74E-08	0.00E+00	1.20E-07	8.21E-08	5.45E-08	0.00E+00	1.37E-07	1.51E-08	9.28E-09	0.00E+00	2.44E-08	8.42E-09	8.01E-09	0.00E+00	1.64E-08
498	481147.39	3768255.25	4.572E-08	2.06E-08	0.00E+00	6.63E-08	4.52E-08	3.00E-08	0.00E+00	7.52E-08	8.31E-09	5.11E-09	0.00E+00	1.34E-08	4.64E-09	4.41E-09	0.00E+00	9.05E-09
499	481151.14	3768246.43	4.147E-08	1.87E-08	0.00E+00	6.02E-08	4.10E-08	2.72E-08	0.00E+00	6.82E-08	7.53E-09	4.63E-09	0.00E+00	1.22E-08	4.21E-09	4.00E-09	0.00E+00	8.21E-09
523	481109.84	3768353.45	1.33E-07	6.00E-08	0.00E+00	1.93E-07	1.32E-07	8.73E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.90E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
524	481109.74	3768363.39	1.481E-07	6.68E-08	0.00E+00	2.15E-07	1.47E-07	9.72E-08	0.00E+00	2.44E-07	2.69E-08	1.65E-08	0.00E+00	4.35E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
525	481109.64	3768373.33	1.646E-07	7.42E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	2.99E-08	1.84E-08	0.00E+00	4.83E-08	1.67E-08	1.59E-08	0.00E+00	3.26E-08
526	481109.54	3768383.27	1.826E-07	8.23E-08	0.00E+00	2.65E-07	1.81E-07	1.20E-07	0.00E+00	3.00E-07	3.32E-08	2.04E-08	0.00E+00	5.36E-08	1.85E-08	1.76E-08	0.00E+00	3.61E-08
527	481109.44	3768393.2	2.021E-07	9.12E-08	0.00E+00	2.93E-07	2.00E-07	1.33E-07	0.00E+00	3.33E-07	3.67E-08	2.26E-08	0.00E+00	5.93E-08	2.05E-08	1.95E-08	0.00E+00	4.00E-08
528	481109.34	3768403.14	2.233E-07	1.01E-07	0.00E+00	3.24E-07	2.21E-07	1.47E-07	0.00E+00	3.68E-07	4.06E-08	2.50E-08	0.00E+00	6.55E-08	2.27E-08	2.15E-08	0.00E+00	4.42E-08
529	481109.24	3768413.08	2.459E-07	1.11E-07	0.00E+00	3.57E-07	2.43E-07	1.61E-07	0.00E+00	4.05E-07	4.47E-08	2.75E-08	0.00E+00	7.22E-08	2.49E-08	2.37E-08	0.00E+00	4.87E-08
530	481109.14	3768423.02	2.695E-07	1.22E-07	0.00E+00	3.91E-07	2.67E-07	1.77E-07	0.00E+00	4.43E-07	4.90E-08	3.01E-08	0.00E+00	7.91E-08	2.73E-08	2.60E-08	0.00E+00	5.33E-08
531	481109.04	3768432.96	2.936E-07	1.32E-07	0.00E+00	4.26E-07	2.91E-07	1.93E-07	0.00E+00	4.83E-07	5.33E-08	3.28E-08	0.00E+00	8.62E-08	2.98E-08	2.83E-08	0.00E+00	5.81E-08
532	481108.94	3768442.89	3.18E-07	1.43E-07	0.00E+00	4.61E-07	3.15E-07	2.09E-07	0.00E+00	5.23E-07	5.78E-08	3.55E-08	0.00E+00	9.33E-08	3.23E-08	3.07E-08	0.00E+00	6.29E-08
533	481107.51	3768325.96	9.749E-08	4.40E-08	0.00E+00	1.41E-07	9.65E-08	6.40E-08	0.00E+00	1.60E-07	1.77E-08	1.09E-08	0.00E+00	2.86E-08	9.89E-09	9.40E-09	0.00E+00	1.93E-08
534	481111.21	3768317.24	8.92E-08	4.02E-08	0.00E+00	1.29E-07	8.83E-08	5.85E-08	0.00E+00	1.47E-07	1.62E-08	9.97E-09	0.00E+00	2.62E-08	9.05E-09	8.61E-09	0.00E+00	1.77E-08
535	481114.91	3768308.51	8.143E-08	3.67E-08	0.00E+00	1.18E-07	8.06E-08	5.34E-08	0.00E+00	1.34E-07	1.48E-08	9.10E-09	0.00E+00	2.39E-08	8.26E-09	7.86E-09	0.00E+00	1.61E-08
536	481118.61	3768299.79	7.419E-08	3.35E-08	0.00E+00	1.08E-07	7.34E-08	4.87E-08	0.00E+00	1.22E-07	1.35E-08	8.29E-09	0.00E+00	2.18E-08	7.53E-09	7.16E-09	0.00E+00	1.47E-08
537	481122.32	3768291.06	6.746E-08	3.04E-08	0.00E+00	9.79E-08	6.68E-08	4.43E-08	0.00E+00	1.11E-07	1.23E-08	7.54E-09	0.00E+00	1.98E-08	6.84E-09	6.51E-09	0.00E+00	1.34E-08
563	481100	3768353.35	1.287E-07	5.80E-08	0.00E+00	1.87E-07	1.27E-07	8.44E-08	0.00E+00	2.12E-07	2.34E-08	1.44E-08	0.00E+00	3.78E-08	1.31E-08	1.24E-08	0.00E+00	2.55E-08
564	481099.9	3768363.29	1.429E-07	6.45E-08	0.00E+00	2.07E-07	1.41E-07	9.38E-08	0.00E+00	2.35E-07	2.60E-08	1.60E-08	0.00E+00	4.19E-08	1.45E-08	1.38E-08	0.00E+00	2.83E-08
565	481099.8	3768373.23	1.585E-07	7.15E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.65E-08	1.61E-08	1.53E-08	0.00E+00	3.14E-08
566	481099.7	3768383.17	1.755E-07	7.91E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
567	481099.6	3768393.1	1.938E-07	8.74E-08	0.00E+00	2.81E-07	1.92E-07	1.27E-07	0.00E+00	3.19E-07	3.52E-08	2.17E-08	0.00E+00	5.69E-08	1.97E-08	1.87E-08	0.00E+00	3.84E-08
568	481099.5	3768403.04	2.136E-07	9.63E-08	0.00E+00	3.10E-07	2.11E-07	1.40E-07	0.00E+00	3.51E-07	3.88E-08	2.39E-08	0.00E+00	6.27E-08	2.17E-08	2.06E-08	0.00E+00	4.23E-08
569	481099.4	3768412.98	2.344E-07	1.06E-07	0.00E+00	3.40E-07	2.32E-07	1.54E-07	0.00E+00	3.86E-07	4.26E-08	2.62E-08	0.00E+00	6.88E-08	2.38E-08	2.26E-08	0.00E+00	4.64E-08
570	481099.3	3768422.92	2.559E-07	1.15E-07	0.00E+00	3.71E-07	2.53E-07	1.68E-07	0.00E+00	4.21E-07	4.65E-08	2.86E-08	0.00E+00	7.51E-08	2.60E-08	2.47E-08	0.00E+00	5.06E-08
571	481099.2	3768432.86	2.778E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.57E-07	5.05E-08	3.10E-08	0.00E+00	8.15E-08	2.82E-08	2.68E-08	0.00E+00	5.50E-08
572	481099.1	3768442.79	2.997E-07	1.35E-07	0.00E+00	4.35E-07	2.97E-07	1.97E-07	0.00E+00	4.93E-07	5.44E-08	3.35E-08	0.00E+00	8.79E-08	3.04E-08	2.89E-08	0.00E+00	5.93E-08
573	481097.98	3768325.14	9.419E-08	4.25E-08	0.00E+00	1.37E-07	9.32E-08	6.18E-08	0.00E+00	1.55E-07	1.71E-08	1.05E-08	0.00E+00	2.76E-08	9.55E-09	9.09E-09	0.00E+00	1.86E-08
574	481101.83	3768316.05	8.6E-08	3.88E-08	0.00E+00	1.25E-07	8.51E-08	5.64E-08	0.00E+00	1.42E-07	1.56E-08	9.61E-09	0.00E+00	2.52E-08	8.72E-09	8.30E-09	0.00E+00	1.70E-08
575	481105.69	3768306.96	7.835E-08	3.53E-08	0.00E+00	1.14E-07	7.75E-08	5.14E-08	0.00E+00	1.29E-07	1.42E-08	8.76E-09	0.00E+00	2.30E-08	7.95E-09	7.56E-09	0.00E+00	1.55E-08
576	481109.55	3768297.87	7.123E-08	3.21E-08	0.00E+00	1.03E-07	7.05E-08	4.67E-08	0.00E+00	1.17E-07	1.29E-08	7.96E-09	0.00E+00	2.09E-08	7.23E-09	6.87E-09	0.00E+00	1.41E-08
577	481113.4	3768288.78	6.466E-08	2.92E-08	0.00E+00	9.38E-08	6.40E-08	4.24E-08	0.00E+00	1.06E-07	1.17E-08	7.23E-09	0.00E+00	1.90E-08	6.56E-09	6.24E-09	0.00E+00	1.28E-08
578	481117.26	3768279.7	5.862E-08	2.64E-08	0.00E+00	8.51E-08	5.80E-08	3.85E-08	0.00E+00	9.65E-08	1.07E-08	6.55E-09	0.00E+00	1.72E-08	5.95E-09	5.66E-09	0.00E+00	1.16E-08
579	481121.12	3768270.61	5.311E-08	2.40E-08	0.00E+00	7.71E-08	5.26E-08	3.49E-08	0.00E+00	8.74E-08	9.65E-09	5.94E-09	0.00E+00	1.56E-08	5.39E-09	5.12E-09	0.00E+00	1.05E-08
580	481124.97	3768261.52	4.811E-08	2.17E-08	0.00E+00	6.98E-08	4.76E-08	3.16E-08	0.00E+00	7.92E-08	8.74E-09	5.38E-09	0.00E+00	1.41E-08	4.88E-09	4.64E-09	0.00E+00	9.52E-09
603	481090.16	3768353.25	1.245E-07	5.62E-08	0.00E+00	1.81E-07	1.23E-07	8.17E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.65E-08	1.26E-08	1.20E-08	0.00E+00	2.46E-08
604	481090.06	3768363.19	1.381E-07	6.23E-08	0.00E+00	2.00E-07	1.37E-07	9.06E-08	0.00E+00	2.27E-07	2.51E-08	1.54E-08	0.00E+00	4.05E-08	1.40E-08	1.33E-08	0.00E+00	2.73E-08
605	481089.96	3768373.13	1.528E-07	6.89E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.51E-07	2.78E-08	1.71E-08	0.00E+00	4.48E-08	1.55E-08	1.47E-08	0.00E+00	3.02E-08
606	481089.86	3768383.07	1.688E-07	7.61E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.95E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
607	481089.76	3768393.01	1.86E-07	8.39E-08	0.00E+00	2.70E-07	1.84E-07	1.22E-07	0.00E+00	3.06E-07	3.38E-08	2.08E-08	0.00E+00	5.46E-08	1.89E-08	1.79E-08	0.00E+00	3.68E-08
608	481089.66	3768402.94	2.044E-07	9.22E-08	0.00E+00	2.97E-07	2.02E-07	1.34E-07	0.00E+00	3.36E-07	3.71E-08	2.28E-08	0.00E+00	6.00E-08	2.07E-08	1.97E-08	0.00E+00	4.04E-08
609	481089.56	3768412.88	2.236E-07	1.01E-07	0.00E+00	3.24E-07	2.21E-07	1.47E-07	0.00E+00	3.68E-07	4.06E-08	2.50E-08	0.00E+00	6.56E-08	2.27E-08	2.16E-08	0.00E+00	4.42E-08
610	481089.46	3768422.82	2.433E-07	1.10E-07	0.													

743	481059.95	3768422.52	2.106E-07	9.50E-08	0.00E+00	3.06E-07	2.08E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.35E-08	0.00E+00	6.18E-08	2.14E-08	2.03E-08	0.00E+00	4.17E-08
744	481059.85	3768432.46	2.264E-07	1.02E-07	0.00E+00	3.28E-07	2.24E-07	1.49E-07	0.00E+00	3.73E-07	4.11E-08	2.53E-08	0.00E+00	6.64E-08	2.30E-08	2.18E-08	0.00E+00	4.48E-08
745	481059.75	3768442.4	2.418E-07	1.09E-07	0.00E+00	3.51E-07	2.39E-07	1.59E-07	0.00E+00	3.98E-07	4.39E-08	2.70E-08	0.00E+00	7.09E-08	2.45E-08	2.33E-08	0.00E+00	4.78E-08
746	481058.64	3768324.71	8.51E-08	3.84E-08	0.00E+00	1.23E-07	8.42E-08	5.58E-08	0.00E+00	1.40E-07	1.55E-08	9.51E-09	0.00E+00	2.50E-08	8.63E-09	8.21E-09	0.00E+00	1.68E-08
747	481062.5	3768315.6	7.819E-08	3.53E-08	0.00E+00	1.13E-07	7.74E-08	5.13E-08	0.00E+00	1.29E-07	1.42E-08	8.74E-09	0.00E+00	2.29E-08	7.93E-09	7.54E-09	0.00E+00	1.55E-08
748	481066.37	3768306.5	7.173E-08	3.23E-08	0.00E+00	1.04E-07	7.10E-08	4.71E-08	0.00E+00	1.18E-07	1.30E-08	8.02E-09	0.00E+00	2.10E-08	7.28E-09	6.92E-09	0.00E+00	1.42E-08
749	481070.23	3768297.39	6.568E-08	2.96E-08	0.00E+00	9.53E-08	6.50E-08	4.31E-08	0.00E+00	1.08E-07	1.19E-08	7.34E-09	0.00E+00	1.93E-08	6.66E-09	6.34E-09	0.00E+00	1.30E-08
750	481074.09	3768288.29	6.007E-08	2.71E-08	0.00E+00	8.72E-08	5.94E-08	3.94E-08	0.00E+00	9.89E-08	1.09E-08	6.71E-09	0.00E+00	1.76E-08	6.09E-09	5.79E-09	0.00E+00	1.19E-08
751	481077.96	3768279.18	5.487E-08	2.47E-08	0.00E+00	7.96E-08	5.43E-08	3.60E-08	0.00E+00	9.03E-08	9.97E-09	6.13E-09	0.00E+00	1.61E-08	5.57E-09	5.29E-09	0.00E+00	1.09E-08
752	481081.82	3768270.08	5.009E-08	2.26E-08	0.00E+00	7.27E-08	4.96E-08	3.29E-08	0.00E+00	8.24E-08	9.10E-09	5.60E-09	0.00E+00	1.47E-08	5.08E-09	4.83E-09	0.00E+00	9.91E-09
753	481085.68	3768260.97	4.572E-08	2.06E-08	0.00E+00	6.63E-08	4.52E-08	3.00E-08	0.00E+00	7.52E-08	8.31E-09	5.11E-09	0.00E+00	1.34E-08	4.64E-09	4.41E-09	0.00E+00	9.05E-09
754	481089.55	3768251.87	4.175E-08	1.88E-08	0.00E+00	6.06E-08	4.13E-08	2.74E-08	0.00E+00	6.87E-08	7.59E-09	4.67E-09	0.00E+00	1.23E-08	4.23E-09	4.03E-09	0.00E+00	8.26E-09
755	481093.41	3768242.76	3.816E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.50E-08	0.00E+00	6.28E-08	6.93E-09	4.26E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.55E-09
756	481097.27	3768233.66	3.493E-08	1.58E-08	0.00E+00	5.07E-08	3.46E-08	2.29E-08	0.00E+00	5.75E-08	6.35E-09	3.90E-09	0.00E+00	1.03E-08	3.54E-09	3.37E-09	0.00E+00	6.91E-09
757	481101.14	3768224.55	3.204E-08	1.44E-08	0.00E+00	4.65E-08	3.17E-08	2.10E-08	0.00E+00	5.27E-08	5.82E-09	3.58E-09	0.00E+00	9.40E-09	3.25E-09	3.09E-09	0.00E+00	6.34E-09
758	481105	3768215.45	2.946E-08	1.33E-08	0.00E+00	4.27E-08	2.91E-08	1.93E-08	0.00E+00	4.85E-08	5.35E-09	3.29E-09	0.00E+00	8.64E-09	2.99E-09	2.84E-09	0.00E+00	5.83E-09
759	481108.86	3768206.34	2.716E-08	1.22E-08	0.00E+00	3.94E-08	2.69E-08	1.78E-08	0.00E+00	4.47E-08	4.93E-09	3.04E-09	0.00E+00	7.97E-09	2.75E-09	2.62E-09	0.00E+00	5.37E-09
760	481112.73	3768197.24	2.512E-08	1.13E-08	0.00E+00	3.64E-08	2.49E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.81E-09	0.00E+00	7.37E-09	2.55E-09	2.42E-09	0.00E+00	4.97E-09
761	481116.59	3768188.13	2.331E-08	1.05E-08	0.00E+00	3.38E-08	2.31E-08	1.53E-08	0.00E+00	3.84E-08	4.24E-09	2.61E-09	0.00E+00	6.84E-09	2.36E-09	2.25E-09	0.00E+00	4.61E-09
785	481050.81	3768352.86	1.103E-07	4.97E-08	0.00E+00	1.60E-07	1.09E-07	7.24E-08	0.00E+00	1.82E-07	2.00E-08	1.23E-08	0.00E+00	3.24E-08	1.12E-08	1.06E-08	0.00E+00	2.18E-08
786	481050.71	3768362.8	1.213E-07	5.47E-08	0.00E+00	1.76E-07	1.20E-07	7.96E-08	0.00E+00	2.00E-07	2.20E-08	1.36E-08	0.00E+00	3.56E-08	1.23E-08	1.17E-08	0.00E+00	2.40E-08
787	481050.61	3768372.73	1.331E-07	6.00E-08	0.00E+00	1.93E-07	1.32E-07	8.73E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.91E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
788	481050.51	3768382.67	1.456E-07	6.57E-08	0.00E+00	2.11E-07	1.44E-07	9.55E-08	0.00E+00	2.40E-07	2.65E-08	1.63E-08	0.00E+00	4.27E-08	1.48E-08	1.40E-08	0.00E+00	2.88E-08
789	481050.41	3768392.61	1.588E-07	7.16E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.66E-08	1.61E-08	1.53E-08	0.00E+00	3.14E-08
790	481050.31	3768402.55	1.725E-07	7.78E-08	0.00E+00	2.50E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.13E-08	1.93E-08	0.00E+00	5.06E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
791	481050.21	3768412.49	1.868E-07	8.42E-08	0.00E+00	2.71E-07	1.85E-07	1.23E-07	0.00E+00	3.07E-07	3.39E-08	2.09E-08	0.00E+00	5.48E-08	1.89E-08	1.80E-08	0.00E+00	3.70E-08
792	481050.11	3768422.42	2.013E-07	9.08E-08	0.00E+00	2.92E-07	1.99E-07	1.32E-07	0.00E+00	3.31E-07	3.66E-08	2.25E-08	0.00E+00	5.91E-08	2.04E-08	1.94E-08	0.00E+00	3.98E-08
793	481050.01	3768432.36	2.159E-07	9.74E-08	0.00E+00	3.13E-07	2.14E-07	1.42E-07	0.00E+00	3.55E-07	3.92E-08	2.41E-08	0.00E+00	6.34E-08	2.19E-08	2.08E-08	0.00E+00	4.27E-08
794	481049.91	3768442.3	2.302E-07	1.04E-07	0.00E+00	3.34E-07	2.28E-07	1.51E-07	0.00E+00	3.79E-07	4.18E-08	2.57E-08	0.00E+00	6.76E-08	2.33E-08	2.22E-08	0.00E+00	4.56E-08
795	481048.72	3768324.8	8.32E-08	3.75E-08	0.00E+00	1.21E-07	8.23E-08	5.46E-08	0.00E+00	1.37E-07	1.51E-08	9.30E-09	0.00E+00	2.44E-08	8.44E-09	8.03E-09	0.00E+00	1.65E-08
796	481052.54	3768315.79	7.665E-08	3.46E-08	0.00E+00	1.11E-07	7.59E-08	5.03E-08	0.00E+00	1.26E-07	1.39E-08	8.57E-09	0.00E+00	2.25E-08	7.78E-09	7.39E-09	0.00E+00	1.52E-08
797	481056.36	3768306.78	7.049E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.88E-09	0.00E+00	2.07E-08	7.15E-09	6.80E-09	0.00E+00	1.40E-08
798	481060.19	3768297.77	6.473E-08	2.92E-08	0.00E+00	9.39E-08	6.40E-08	4.25E-08	0.00E+00	1.07E-07	1.18E-08	7.23E-09	0.00E+00	1.90E-08	6.57E-09	6.24E-09	0.00E+00	1.28E-08
799	481064.01	3768288.76	5.935E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.89E-08	0.00E+00	9.77E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.02E-09	5.73E-09	0.00E+00	1.17E-08
800	481067.83	3768279.75	5.437E-08	2.45E-08	0.00E+00	7.89E-08	5.38E-08	3.57E-08	0.00E+00	8.95E-08	9.88E-09	6.08E-09	0.00E+00	1.60E-08	5.52E-09	5.24E-09	0.00E+00	1.08E-08
801	481071.66	3768270.74	4.977E-08	2.24E-08	0.00E+00	7.22E-08	4.93E-08	3.27E-08	0.00E+00	8.19E-08	9.04E-09	5.56E-09	0.00E+00	1.46E-08	5.05E-09	4.80E-09	0.00E+00	9.85E-09
802	481075.48	3768261.73	4.555E-08	2.05E-08	0.00E+00	6.61E-08	4.51E-08	2.99E-08	0.00E+00	7.50E-08	8.28E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.02E-09
803	481079.3	3768252.73	4.17E-08	1.88E-08	0.00E+00	6.05E-08	4.13E-08	2.74E-08	0.00E+00	6.86E-08	7.58E-09	4.66E-09	0.00E+00	1.22E-08	4.23E-09	4.02E-09	0.00E+00	8.25E-09
804	481083.12	3768243.72	3.82E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.56E-09
805	481086.95	3768234.71	3.503E-08	1.58E-08	0.00E+00	5.08E-08	3.47E-08	2.30E-08	0.00E+00	5.76E-08	6.36E-09	3.91E-09	0.00E+00	1.03E-08	3.55E-09	3.38E-09	0.00E+00	6.93E-09
806	481090.77	3768225.7	3.218E-08	1.45E-08	0.00E+00	4.67E-08	3.18E-08	2.11E-08	0.00E+00	5.30E-08	5.85E-09	3.60E-09	0.00E+00	9.44E-09	3.26E-09	3.10E-09	0.00E+00	6.37E-09
807	481094.59	3768216.69	2.963E-08	1.34E-08	0.00E+00	4.30E-08	2.93E-08	1.94E-08	0.00E+00	4.88E-08	5.38E-09	3.31E-09	0.00E+00	8.70E-09	3.01E-09	2.86E-09	0.00E+00	5.86E-09
808	481098.42	3768207.68	2.735E-08	1.23E-08	0.00E+00	3.97E-08	2.71E-08	1.79E-08	0.00E+00	4.50E-08	4.97E-09	3.06E-09	0.00E+00	8.03E-09	2.77E-09	2.64E-09	0.00E+00	5.41E-09
809	481102.24	3768198.67	2.532E-08	1.14E-08	0.00E+00	3.67E-08	2.51E-08	1.66E-08	0.00E+00	4.17E-08	4.60E-09	2.83E-09	0.00E+00	7.43E-09	2.57E-09	2.44E-09	0.00E+00	5.01E-09
810	481106.06	3768189.66	2.351E-08	1.06E-08	0.00E+00	3.41E-08	2.33E-08	1.54E-08	0.00E+00	3.87E-08	4.27E-09	2.63E-09	0.00E+00	6.90E-09	2.38E-09	2.27E-09	0.00E+00	4.65E-09
811	481109.88	3768180.65	2.19E-08	9.88E-09	0.00E+00	3.18E-08	2.17E-08	1.44E-08	0.00E+00	3.60E-08	3.98E-09	2.45E-09	0.00E+00	6.43E-09	2.22E-09	2.11E-09	0.00E+00	4.33E-09
837	481040.97	3768352.76	1.071E-07	4.83E-08	0.00E+00	1.55E-07	1.06E-07	7.03E-08	0.00E+00	1.76E-07	1.95E-08	1.20E-08	0.00E+00	3.14E-08	1.09E-08	1.03E-08	0.00E+00	2.12E-08
838	481040.87	3768362.7	1.176E-07	5.30E-08	0.00E+00	1.71E-07	1.16E-07	7.71E-08	0.00E+00	1.93E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
839	481040.77	3768372.63	1.287E-07	5.80E-08	0.00E+00	1.87E-07	1.27E-07	8.45E-08	0.00E+00	2.12E-07	2.34E-08	1.44E-08	0.00E+00	3.78E-08	1.31E-08	1.24E-08	0.00E+00	2.55E-08
840	481040.67	3768382.57	1.405E-07	6.34E-08</														

965	481012.48	3768244.92	3.61E-08	1.63E-08	0.00E+00	5.24E-08	3.57E-08	2.37E-08	0.00E+00	5.94E-08	6.56E-09	4.03E-09	0.00E+00	1.06E-08	3.66E-09	3.48E-09	0.00E+00	7.14E-09
966	481016.23	3768236.08	3.345E-08	1.51E-08	0.00E+00	4.85E-08	3.31E-08	2.19E-08	0.00E+00	5.50E-08	6.08E-09	3.74E-09	0.00E+00	9.82E-09	3.39E-09	3.23E-09	0.00E+00	6.62E-09
967	481019.98	3768227.25	3.102E-08	1.40E-08	0.00E+00	4.50E-08	3.07E-08	2.04E-08	0.00E+00	5.10E-08	5.64E-09	3.47E-09	0.00E+00	9.10E-09	3.15E-09	2.99E-09	0.00E+00	6.14E-09
968	481023.73	3768218.41	2.879E-08	1.30E-08	0.00E+00	4.18E-08	2.85E-08	1.89E-08	0.00E+00	4.74E-08	5.23E-09	3.22E-09	0.00E+00	8.45E-09	2.92E-09	2.78E-09	0.00E+00	5.70E-09
969	481027.48	3768209.58	2.676E-08	1.21E-08	0.00E+00	3.88E-08	2.65E-08	1.76E-08	0.00E+00	4.40E-08	4.86E-09	2.99E-09	0.00E+00	7.85E-09	2.71E-09	2.58E-09	0.00E+00	5.30E-09
970	481031.23	3768200.74	2.492E-08	1.12E-08	0.00E+00	3.62E-08	2.47E-08	1.64E-08	0.00E+00	4.10E-08	4.53E-09	2.78E-09	0.00E+00	7.31E-09	2.53E-09	2.40E-09	0.00E+00	4.93E-09
971	481034.98	3768191.9	2.324E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.53E-08	0.00E+00	3.83E-08	4.22E-09	2.60E-09	0.00E+00	6.82E-09	2.36E-09	2.24E-09	0.00E+00	4.60E-09
972	481038.73	3768183.07	2.173E-08	9.80E-09	0.00E+00	3.15E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.95E-09	2.43E-09	0.00E+00	6.38E-09	2.20E-09	2.10E-09	0.00E+00	4.30E-09
1009	480971.14	3768352.06	8.776E-08	3.96E-08	0.00E+00	1.27E-07	8.68E-08	5.76E-08	0.00E+00	1.44E-07	1.59E-08	9.81E-09	0.00E+00	2.58E-08	8.90E-09	8.47E-09	0.00E+00	1.74E-08
1010	480971.04	3768361.99	9.51E-08	4.29E-08	0.00E+00	1.38E-07	9.41E-08	6.24E-08	0.00E+00	1.57E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.65E-09	9.17E-09	0.00E+00	1.88E-08
1011	480970.94	3768371.93	1.028E-07	4.64E-08	0.00E+00	1.49E-07	1.02E-07	6.75E-08	0.00E+00	1.69E-07	1.87E-08	1.15E-08	0.00E+00	3.02E-08	1.04E-08	9.92E-09	0.00E+00	2.03E-08
1012	480970.84	3768381.87	1.109E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.82E-07	2.01E-08	1.24E-08	0.00E+00	3.25E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
1013	480970.74	3768391.81	1.192E-07	5.38E-08	0.00E+00	1.73E-07	1.18E-07	7.82E-08	0.00E+00	1.96E-07	2.17E-08	1.33E-08	0.00E+00	3.50E-08	1.21E-08	1.15E-08	0.00E+00	2.36E-08
1014	480970.64	3768401.75	1.278E-07	5.76E-08	0.00E+00	1.85E-07	1.26E-07	8.39E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
1015	480970.54	3768411.68	1.365E-07	6.16E-08	0.00E+00	1.98E-07	1.35E-07	8.96E-08	0.00E+00	2.25E-07	2.48E-08	1.53E-08	0.00E+00	4.01E-08	1.38E-08	1.32E-08	0.00E+00	2.70E-08
1016	480970.44	3768421.62	1.452E-07	6.55E-08	0.00E+00	2.11E-07	1.44E-07	9.53E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
1017	480948.83	3768323.93	6.588E-08	2.97E-08	0.00E+00	9.56E-08	6.52E-08	4.32E-08	0.00E+00	1.08E-07	1.20E-08	7.36E-09	0.00E+00	1.93E-08	6.68E-09	6.36E-09	0.00E+00	1.30E-08
1018	480952.63	3768314.98	6.159E-08	2.78E-08	0.00E+00	8.94E-08	6.09E-08	4.04E-08	0.00E+00	1.01E-07	1.12E-08	6.88E-09	0.00E+00	1.81E-08	6.25E-09	5.94E-09	0.00E+00	1.22E-08
1019	480956.42	3768306.03	5.75E-08	2.59E-08	0.00E+00	8.34E-08	5.69E-08	3.77E-08	0.00E+00	9.46E-08	1.04E-08	6.43E-09	0.00E+00	1.69E-08	5.83E-09	5.55E-09	0.00E+00	1.14E-08
1020	480960.22	3768297.09	5.361E-08	2.42E-08	0.00E+00	7.78E-08	5.31E-08	3.52E-08	0.00E+00	8.82E-08	9.74E-09	5.99E-09	0.00E+00	1.57E-08	5.44E-09	5.17E-09	0.00E+00	1.06E-08
1021	480964.01	3768288.14	4.992E-08	2.25E-08	0.00E+00	7.24E-08	4.94E-08	3.28E-08	0.00E+00	8.22E-08	9.07E-09	5.58E-09	0.00E+00	1.46E-08	5.06E-09	4.82E-09	0.00E+00	9.88E-09
1022	480967.81	3768279.2	4.644E-08	2.09E-08	0.00E+00	6.74E-08	4.60E-08	3.05E-08	0.00E+00	7.64E-08	8.44E-09	5.19E-09	0.00E+00	1.36E-08	4.71E-09	4.48E-09	0.00E+00	9.19E-09
1023	480971.61	3768270.25	4.316E-08	1.95E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.10E-08	7.84E-09	4.82E-09	0.00E+00	1.27E-08	4.38E-09	4.16E-09	0.00E+00	8.54E-09
1024	480975.4	3768261.31	4.009E-08	1.81E-08	0.00E+00	5.82E-08	3.97E-08	2.63E-08	0.00E+00	6.60E-08	7.28E-09	4.48E-09	0.00E+00	1.18E-08	4.07E-09	3.87E-09	0.00E+00	7.93E-09
1025	480979.2	3768252.36	3.723E-08	1.68E-08	0.00E+00	5.40E-08	3.68E-08	2.44E-08	0.00E+00	6.13E-08	6.76E-09	4.16E-09	0.00E+00	1.09E-08	3.78E-09	3.59E-09	0.00E+00	7.37E-09
1026	480982.99	3768243.42	3.458E-08	1.56E-08	0.00E+00	5.02E-08	3.42E-08	2.27E-08	0.00E+00	5.69E-08	6.28E-09	3.86E-09	0.00E+00	1.01E-08	3.51E-09	3.34E-09	0.00E+00	6.84E-09
1027	480986.79	3768234.47	3.212E-08	1.45E-08	0.00E+00	4.66E-08	3.18E-08	2.11E-08	0.00E+00	5.29E-08	5.84E-09	3.59E-09	0.00E+00	9.43E-09	3.26E-09	3.10E-09	0.00E+00	6.36E-09
1028	480990.58	3768225.52	2.985E-08	1.35E-08	0.00E+00	4.33E-08	2.95E-08	1.96E-08	0.00E+00	4.91E-08	5.42E-09	3.34E-09	0.00E+00	8.76E-09	3.03E-09	2.88E-09	0.00E+00	5.91E-09
1029	480994.38	3768216.58	2.777E-08	1.25E-08	0.00E+00	4.03E-08	2.75E-08	1.82E-08	0.00E+00	4.57E-08	5.05E-09	3.10E-09	0.00E+00	8.15E-09	2.82E-09	2.68E-09	0.00E+00	5.50E-09
1030	480998.17	3768207.63	2.586E-08	1.17E-08	0.00E+00	3.75E-08	2.56E-08	1.70E-08	0.00E+00	4.26E-08	4.70E-09	2.89E-09	0.00E+00	7.59E-09	2.62E-09	2.49E-09	0.00E+00	5.12E-09
1031	481001.97	3768198.69	2.412E-08	1.09E-08	0.00E+00	3.50E-08	2.39E-08	1.58E-08	0.00E+00	3.97E-08	4.38E-09	2.70E-09	0.00E+00	7.08E-09	2.45E-09	2.33E-09	0.00E+00	4.77E-09
1032	481005.77	3768189.74	2.253E-08	1.02E-08	0.00E+00	3.27E-08	2.23E-08	1.48E-08	0.00E+00	3.71E-08	4.09E-09	2.52E-09	0.00E+00	6.61E-09	2.29E-09	2.17E-09	0.00E+00	4.46E-09
1033	481009.56	3768180.8	2.109E-08	9.51E-09	0.00E+00	3.06E-08	2.09E-08	1.38E-08	0.00E+00	3.47E-08	3.83E-09	2.36E-09	0.00E+00	6.19E-09	2.14E-09	2.03E-09	0.00E+00	4.17E-09
1074	480941.14	3768351.75	8.104E-08	3.65E-08	0.00E+00	1.18E-07	8.02E-08	5.32E-08	0.00E+00	1.33E-07	1.47E-08	9.06E-09	0.00E+00	2.38E-08	8.22E-09	7.82E-09	0.00E+00	1.60E-08
1075	480941.04	3768361.69	8.743E-08	3.94E-08	0.00E+00	1.27E-07	8.65E-08	5.74E-08	0.00E+00	1.44E-07	1.59E-08	9.77E-09	0.00E+00	2.57E-08	8.87E-09	8.43E-09	0.00E+00	1.73E-08
1076	480940.94	3768371.63	9.412E-08	4.24E-08	0.00E+00	1.37E-07	9.31E-08	6.18E-08	0.00E+00	1.55E-07	1.71E-08	1.05E-08	0.00E+00	2.76E-08	9.55E-09	9.08E-09	0.00E+00	1.86E-08
1077	480940.84	3768381.57	1.011E-07	4.56E-08	0.00E+00	1.47E-07	1.00E-07	6.63E-08	0.00E+00	1.66E-07	1.84E-08	1.13E-08	0.00E+00	2.97E-08	1.03E-08	9.75E-09	0.00E+00	2.00E-08
1078	480940.74	3768391.51	1.082E-07	4.88E-08	0.00E+00	1.57E-07	1.07E-07	7.10E-08	0.00E+00	1.78E-07	1.97E-08	1.21E-08	0.00E+00	3.18E-08	1.10E-08	1.04E-08	0.00E+00	2.14E-08
1079	480940.64	3768401.44	1.155E-07	5.21E-08	0.00E+00	1.68E-07	1.14E-07	7.58E-08	0.00E+00	1.90E-07	2.10E-08	1.29E-08	0.00E+00	3.39E-08	1.17E-08	1.11E-08	0.00E+00	2.29E-08
1080	480940.54	3768411.38	1.229E-07	5.54E-08	0.00E+00	1.78E-07	1.22E-07	8.07E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.61E-08	1.25E-08	1.19E-08	0.00E+00	2.43E-08
1081	480918.91	3768323.43	6.158E-08	2.78E-08	0.00E+00	8.94E-08	6.09E-08	4.04E-08	0.00E+00	1.01E-07	1.12E-08	6.88E-09	0.00E+00	1.81E-08	6.25E-09	5.94E-09	0.00E+00	1.22E-08
1082	480922.75	3768314.39	5.774E-08	2.60E-08	0.00E+00	8.38E-08	5.71E-08	3.79E-08	0.00E+00	9.50E-08	1.05E-08	6.45E-09	0.00E+00	1.69E-08	5.86E-09	5.57E-09	0.00E+00	1.14E-08
1083	480926.59	3768305.35	5.405E-08	2.44E-08	0.00E+00	7.84E-08	5.35E-08	3.55E-08	0.00E+00	8.90E-08	9.82E-09	6.04E-09	0.00E+00	1.59E-08	5.48E-09	5.21E-09	0.00E+00	1.07E-08
1084	480930.42	3768296.31	5.052E-08	2.28E-08	0.00E+00	7.33E-08	5.00E-08	3.32E-08	0.00E+00	8.31E-08	9.18E-09	5.65E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	1.00E-08
1085	480934.26	3768287.26	4.716E-08	2.13E-08	0.00E+00	6.84E-08	4.67E-08	3.09E-08	0.00E+00	7.76E-08	8.57E-09	5.27E-09	0.00E+00	1.38E-08	4.78E-09	4.55E-09	0.00E+00	9.33E-09
1086	480938.1	3768278.22	4.399E-08	1.98E-08	0.00E+00	6.38E-08	4.35E-08	2.89E-08	0.00E+00	7.24E-08	7.99E-09	4.92E-09	0.00E+00	1.29E-08	4.46E-09	4.24E-09	0.00E+00	8.71E-09
1087	480941.93	3768269.18	4.099E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.75E-08	7.45E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.95E-09	0.00E+00	8.11E-09
1088	480945.77	3768260.14	3.819E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.28E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.56E-09
1089	480949.61	3768251.1	3.557E-08	1.60E-08	0.00E+00	5.16E-08	3.52E-08	2.33E-08	0.00E+00	5.85E-08	6.46E-09	3.97E-09	0.00E+00	1.04E-08	3.61E-09	3.43E-09	0.00E+00	7.04E-09
1090	48																	

1264	480848.09	3768277.34	3.822E-08	1.72E-08	0.00E+00	5.55E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.88E-09	3.69E-09	0.00E+00	7.56E-09
1265	480851.93	3768268.3	3.595E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.53E-09	4.02E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.12E-09
1266	480855.76	3768259.26	3.379E-08	1.52E-08	0.00E+00	4.90E-08	3.34E-08	2.22E-08	0.00E+00	5.56E-08	6.14E-09	3.78E-09	0.00E+00	9.92E-09	3.43E-09	3.26E-09	0.00E+00	6.69E-09
1267	480859.6	3768250.22	3.174E-08	1.43E-08	0.00E+00	4.61E-08	3.14E-08	2.08E-08	0.00E+00	5.22E-08	5.77E-09	3.55E-09	0.00E+00	9.32E-09	3.22E-09	3.06E-09	0.00E+00	6.28E-09
1268	480863.43	3768241.18	2.981E-08	1.34E-08	0.00E+00	4.33E-08	2.95E-08	1.96E-08	0.00E+00	4.91E-08	5.42E-09	3.33E-09	0.00E+00	8.75E-09	3.02E-09	2.88E-09	0.00E+00	5.90E-09
1269	480867.27	3768232.14	2.799E-08	1.26E-08	0.00E+00	4.06E-08	2.77E-08	1.84E-08	0.00E+00	4.61E-08	5.09E-09	3.13E-09	0.00E+00	8.21E-09	2.84E-09	2.70E-09	0.00E+00	5.54E-09
1270	480871.1	3768223.1	2.628E-08	1.19E-08	0.00E+00	3.81E-08	2.60E-08	1.72E-08	0.00E+00	4.33E-08	4.78E-09	2.94E-09	0.00E+00	7.71E-09	2.67E-09	2.54E-09	0.00E+00	5.20E-09
1271	480874.94	3768214.06	2.468E-08	1.11E-08	0.00E+00	3.58E-08	2.44E-08	1.62E-08	0.00E+00	4.06E-08	4.49E-09	2.76E-09	0.00E+00	7.24E-09	2.50E-09	2.38E-09	0.00E+00	4.89E-09
1272	480878.78	3768205.02	2.319E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.52E-08	0.00E+00	3.82E-08	4.21E-09	2.59E-09	0.00E+00	6.81E-09	2.35E-09	2.24E-09	0.00E+00	4.59E-09
1273	480882.61	3768195.99	2.181E-08	9.84E-09	0.00E+00	3.17E-08	2.16E-08	1.43E-08	0.00E+00	3.59E-08	3.96E-09	2.44E-09	0.00E+00	6.40E-09	2.21E-09	2.10E-09	0.00E+00	4.32E-09
1274	480886.45	3768186.95	2.053E-08	9.26E-09	0.00E+00	2.98E-08	2.03E-08	1.35E-08	0.00E+00	3.38E-08	3.73E-09	2.29E-09	0.00E+00	6.02E-09	2.08E-09	1.98E-09	0.00E+00	4.06E-09
1275	480890.28	3768177.91	1.934E-08	8.72E-09	0.00E+00	2.81E-08	1.91E-08	1.27E-08	0.00E+00	3.18E-08	3.51E-09	2.16E-09	0.00E+00	5.68E-09	1.96E-09	1.87E-09	0.00E+00	3.83E-09
1276	480894.12	3768168.87	1.824E-08	8.23E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.00E-08	3.31E-09	2.04E-09	0.00E+00	5.35E-09	1.85E-09	1.76E-09	0.00E+00	3.61E-09
1277	480897.95	3768159.83	1.722E-08	7.77E-09	0.00E+00	2.50E-08	1.70E-08	1.13E-08	0.00E+00	2.83E-08	3.13E-09	1.92E-09	0.00E+00	5.05E-09	1.75E-09	1.66E-09	0.00E+00	3.41E-09
1278	480901.79	3768150.79	1.628E-08	7.34E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.96E-09	1.82E-09	0.00E+00	4.78E-09	1.65E-09	1.57E-09	0.00E+00	3.22E-09
1279	480905.62	3768141.75	1.541E-08	6.95E-09	0.00E+00	2.24E-08	1.52E-08	1.01E-08	0.00E+00	2.54E-08	2.80E-09	1.72E-09	0.00E+00	4.52E-09	1.56E-09	1.49E-09	0.00E+00	3.05E-09
1280	480909.46	3768132.71	1.461E-08	6.59E-09	0.00E+00	2.12E-08	1.45E-08	9.58E-09	0.00E+00	2.40E-08	2.65E-09	1.63E-09	0.00E+00	4.29E-09	1.48E-09	1.41E-09	0.00E+00	2.89E-09
1281	480913.29	3768123.67	1.387E-08	6.26E-09	0.00E+00	2.01E-08	1.37E-08	9.10E-09	0.00E+00	2.28E-08	2.52E-09	1.55E-09	0.00E+00	4.07E-09	1.41E-09	1.34E-09	0.00E+00	2.75E-09
1282	480917.13	3768114.64	1.32E-08	5.95E-09	0.00E+00	1.92E-08	1.31E-08	8.66E-09	0.00E+00	2.17E-08	2.40E-09	1.48E-09	0.00E+00	3.87E-09	1.34E-09	1.27E-09	0.00E+00	2.61E-09
1283	480920.96	3768105.6	1.258E-08	5.67E-09	0.00E+00	1.83E-08	1.24E-08	8.26E-09	0.00E+00	2.07E-08	2.29E-09	1.41E-09	0.00E+00	3.69E-09	1.28E-09	1.21E-09	0.00E+00	2.49E-09
1325	480821.15	3768350.55	6.027E-08	2.72E-08	0.00E+00	8.74E-08	5.96E-08	3.95E-08	0.00E+00	9.92E-08	1.10E-08	6.74E-09	0.00E+00	1.77E-08	6.11E-09	5.81E-09	0.00E+00	1.19E-08
1326	480821.05	3768360.48	6.412E-08	2.89E-08	0.00E+00	9.30E-08	6.34E-08	4.21E-08	0.00E+00	1.06E-07	1.17E-08	7.17E-09	0.00E+00	1.88E-08	6.50E-09	6.19E-09	0.00E+00	1.27E-08
1327	480820.95	3768370.42	6.81E-08	3.07E-08	0.00E+00	9.88E-08	6.74E-08	4.47E-08	0.00E+00	1.12E-07	1.24E-08	7.61E-09	0.00E+00	2.00E-08	6.91E-09	6.57E-09	0.00E+00	1.35E-08
1328	480820.85	3768380.36	7.219E-08	3.26E-08	0.00E+00	1.05E-07	7.14E-08	4.74E-08	0.00E+00	1.19E-07	1.31E-08	8.07E-09	0.00E+00	2.12E-08	7.32E-09	6.96E-09	0.00E+00	1.43E-08
1329	480820.45	3768420.11	8.921E-08	4.02E-08	0.00E+00	1.29E-07	8.83E-08	5.85E-08	0.00E+00	1.47E-07	1.62E-08	9.97E-09	0.00E+00	2.62E-08	9.05E-09	8.61E-09	0.00E+00	1.77E-08
1330	480820.35	3768430.05	9.352E-08	4.22E-08	0.00E+00	1.36E-07	9.25E-08	6.14E-08	0.00E+00	1.54E-07	1.70E-08	1.05E-08	0.00E+00	2.74E-08	9.49E-09	9.02E-09	0.00E+00	1.85E-08
1331	480820.25	3768439.99	9.776E-08	4.41E-08	0.00E+00	1.42E-07	9.67E-08	6.42E-08	0.00E+00	1.61E-07	1.78E-08	1.09E-08	0.00E+00	2.87E-08	9.92E-09	9.43E-09	0.00E+00	1.93E-08
1332	480795.11	3768331.2	5.051E-08	2.28E-08	0.00E+00	7.33E-08	5.00E-08	3.31E-08	0.00E+00	8.31E-08	9.18E-09	5.65E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	1.00E-08
1333	480798.98	3768322.09	4.799E-08	2.16E-08	0.00E+00	6.96E-08	4.75E-08	3.15E-08	0.00E+00	7.90E-08	8.72E-09	5.36E-09	0.00E+00	1.41E-08	4.87E-09	4.63E-09	0.00E+00	9.50E-09
1334	480802.84	3768312.98	4.552E-08	2.05E-08	0.00E+00	6.60E-08	4.50E-08	2.99E-08	0.00E+00	7.49E-08	8.27E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.01E-09
1335	480806.71	3768303.87	4.311E-08	1.94E-08	0.00E+00	6.26E-08	4.27E-08	2.83E-08	0.00E+00	7.09E-08	7.83E-09	4.82E-09	0.00E+00	1.27E-08	4.37E-09	4.16E-09	0.00E+00	8.53E-09
1336	480810.57	3768294.76	4.077E-08	1.84E-08	0.00E+00	5.92E-08	4.03E-08	2.68E-08	0.00E+00	6.71E-08	7.41E-09	4.56E-09	0.00E+00	1.20E-08	4.14E-09	3.93E-09	0.00E+00	8.07E-09
1337	480814.44	3768285.65	3.852E-08	1.74E-08	0.00E+00	5.59E-08	3.81E-08	2.53E-08	0.00E+00	6.34E-08	7.00E-09	4.30E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.62E-09
1338	480818.31	3768276.54	3.635E-08	1.64E-08	0.00E+00	5.27E-08	3.60E-08	2.39E-08	0.00E+00	5.98E-08	6.50E-09	4.06E-09	0.00E+00	1.07E-08	3.69E-09	3.51E-09	0.00E+00	7.19E-09
1339	480822.17	3768267.43	3.427E-08	1.55E-08	0.00E+00	4.97E-08	3.39E-08	2.25E-08	0.00E+00	5.64E-08	6.23E-09	3.83E-09	0.00E+00	1.01E-08	3.48E-09	3.31E-09	0.00E+00	6.78E-09
1340	480826.04	3768258.32	3.229E-08	1.46E-08	0.00E+00	4.68E-08	3.19E-08	2.12E-08	0.00E+00	5.31E-08	5.87E-09	3.61E-09	0.00E+00	9.47E-09	3.27E-09	3.11E-09	0.00E+00	6.39E-09
1341	480829.9	3768249.21	3.04E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	1.99E-08	0.00E+00	5.00E-08	5.52E-09	3.40E-09	0.00E+00	8.92E-09	3.08E-09	2.93E-09	0.00E+00	6.02E-09
1342	480833.77	3768240.1	2.861E-08	1.29E-08	0.00E+00	4.15E-08	2.83E-08	1.88E-08	0.00E+00	4.71E-08	5.20E-09	3.20E-09	0.00E+00	8.40E-09	2.90E-09	2.76E-09	0.00E+00	5.66E-09
1343	480837.63	3768230.99	2.692E-08	1.21E-08	0.00E+00	3.91E-08	2.66E-08	1.77E-08	0.00E+00	4.43E-08	4.89E-09	3.01E-09	0.00E+00	7.90E-09	2.73E-09	2.60E-09	0.00E+00	5.33E-09
1344	480841.5	3768221.88	2.534E-08	1.14E-08	0.00E+00	3.68E-08	2.51E-08	1.66E-08	0.00E+00	4.17E-08	4.60E-09	2.83E-09	0.00E+00	7.44E-09	2.57E-09	2.44E-09	0.00E+00	5.01E-09
1345	480845.36	3768212.77	2.384E-08	1.08E-08	0.00E+00	3.46E-08	2.36E-08	1.56E-08	0.00E+00	3.92E-08	4.33E-09	2.66E-09	0.00E+00	7.00E-09	2.42E-09	2.30E-09	0.00E+00	4.72E-09
1346	480849.23	3768203.66	2.245E-08	1.01E-08	0.00E+00	3.26E-08	2.22E-08	1.47E-08	0.00E+00	3.69E-08	4.08E-09	2.51E-09	0.00E+00	6.59E-09	2.28E-09	2.17E-09	0.00E+00	4.44E-09
1347	480853.09	3768194.55	2.114E-08	9.53E-09	0.00E+00	3.07E-08	2.09E-08	1.39E-08	0.00E+00	3.48E-08	3.84E-09	2.36E-09	0.00E+00	6.20E-09	2.14E-09	2.04E-09	0.00E+00	4.18E-09
1348	480856.96	3768185.44	1.992E-08	8.98E-09	0.00E+00	2.89E-08	1.97E-08	1.31E-08	0.00E+00	3.28E-08	3.62E-09	2.23E-09	0.00E+00	5.85E-09	2.02E-09	1.92E-09	0.00E+00	3.94E-09
1349	480860.83	3768176.33	1.879E-08	8.47E-09	0.00E+00	2.73E-08	1.86E-08	1.23E-08	0.00E+00	3.09E-08	3.41E-09	2.10E-09	0.00E+00	5.51E-09	1.91E-09	1.81E-09	0.00E+00	3.72E-09
1350	480864.69	3768167.22	1.774E-08	8.00E-09	0.00E+00	2.57E-08	1.76E-08	1.16E-08	0.00E+00	2.92E-08	3.22E-09	1.98E-09	0.00E+00	5.21E-09	1.80E-09	1.71E-09	0.00E+00	3.51E-09
1351	480868.56	3768158.11	1.677E-08	7.56E-09	0.00E+00	2.43E-08	1.66E-08	1.10E-08	0.00E+00	2.76E-08	3.05E-09	1.87E-09	0.00E+00	4.92E-09	1.70E-09	1.62E-09	0.00E+00	3.32E-09
1352	480872.42	3768149	1.587E-08	7.16E-09	0.00E+00	2.30E-08	1.57E-08	1.04E-08	0.00E+00	2.61E-08	2.88E-09	1.77E-09	0.00E+00	4.66E-09	1.61E-09	1.53E-09	0.00E+00	3.14E-09
1353	480876.29	3768139.89	1.503E-08	6.78E-09	0.00E+00	2.18E-08	1.49E-08	9.87E-09	0.00E+00	2.47E-08	2.73E-09	1.68E-09	0.00E+00	4.41E-09	1.53E-09	1.45E-09	0.00E+00	2.98E-09
1354																		

1588	481335.35	3768317.27	1.679E-07	7.57E-08	0.00E+00	2.44E-07	1.66E-07	1.10E-07	0.00E+00	2.76E-07	3.05E-08	1.88E-08	0.00E+00	4.93E-08	1.70E-08	1.62E-08	0.00E+00	3.32E-08
1589	481335.38	3768287.75	8.796E-08	3.97E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.83E-09	0.00E+00	2.58E-08	8.92E-09	8.49E-09	0.00E+00	1.74E-08
1590	481335.4	3768268.07	6.363E-08	2.87E-08	0.00E+00	9.23E-08	6.30E-08	4.18E-08	0.00E+00	1.05E-07	1.16E-08	7.11E-09	0.00E+00	1.87E-08	6.45E-09	6.14E-09	0.00E+00	1.26E-08
1591	481258.61	3768267.99	5.879E-08	2.65E-08	0.00E+00	8.53E-08	5.82E-08	3.86E-08	0.00E+00	9.68E-08	1.07E-08	6.57E-09	0.00E+00	1.73E-08	5.96E-09	5.67E-09	0.00E+00	1.16E-08
1592	481239.44	3768248.3	4.451E-08	2.01E-08	0.00E+00	6.46E-08	4.40E-08	2.92E-08	0.00E+00	7.32E-08	8.09E-09	4.97E-09	0.00E+00	1.31E-08	4.51E-09	4.29E-09	0.00E+00	8.81E-09
1651	481123.46	3768452.65	3.766E-07	1.70E-07	0.00E+00	5.46E-07	3.73E-07	2.47E-07	0.00E+00	6.20E-07	6.84E-08	4.21E-08	0.00E+00	1.11E-07	3.82E-08	3.63E-08	0.00E+00	7.45E-08
1652	481123.26	3768468.52	4.158E-07	1.88E-07	0.00E+00	6.03E-07	4.11E-07	2.73E-07	0.00E+00	6.84E-07	7.56E-08	4.65E-08	0.00E+00	1.22E-07	4.22E-08	4.01E-08	0.00E+00	8.23E-08
1653	481113.63	3768452.53	3.517E-07	1.59E-07	0.00E+00	5.10E-07	3.48E-07	2.31E-07	0.00E+00	5.79E-07	6.39E-08	3.93E-08	0.00E+00	1.03E-07	3.57E-08	3.39E-08	0.00E+00	6.96E-08
1654	481103.79	3768452.41	3.298E-07	1.49E-07	0.00E+00	4.79E-07	3.26E-07	2.16E-07	0.00E+00	5.43E-07	5.99E-08	3.69E-08	0.00E+00	9.68E-08	3.35E-08	3.18E-08	0.00E+00	6.53E-08
1655	481093.95	3768452.28	3.102E-07	1.40E-07	0.00E+00	4.50E-07	3.07E-07	2.04E-07	0.00E+00	5.10E-07	5.64E-08	3.47E-08	0.00E+00	9.10E-08	3.15E-08	2.99E-08	0.00E+00	6.14E-08
1656	481084.11	3768452.16	2.926E-07	1.32E-07	0.00E+00	4.25E-07	2.90E-07	1.92E-07	0.00E+00	4.82E-07	5.32E-08	3.27E-08	0.00E+00	8.59E-08	2.97E-08	2.82E-08	0.00E+00	5.79E-08
1657	481074.27	3768452.03	2.768E-07	1.25E-07	0.00E+00	4.02E-07	2.74E-07	1.82E-07	0.00E+00	4.55E-07	5.03E-08	3.09E-08	0.00E+00	8.12E-08	2.81E-08	2.67E-08	0.00E+00	5.48E-08
1658	481064.44	3768451.91	2.624E-07	1.18E-07	0.00E+00	3.81E-07	2.60E-07	1.72E-07	0.00E+00	4.32E-07	4.77E-08	2.93E-08	0.00E+00	7.70E-08	2.66E-08	2.53E-08	0.00E+00	5.19E-08
1659	481018.28	3768436.48	1.922E-07	8.67E-08	0.00E+00	2.79E-07	1.90E-07	1.26E-07	0.00E+00	3.16E-07	3.49E-08	2.15E-08	0.00E+00	5.64E-08	1.95E-08	1.85E-08	0.00E+00	3.80E-08
1660	481008.44	3768436.35	1.842E-07	8.31E-08	0.00E+00	2.67E-07	1.82E-07	1.21E-07	0.00E+00	3.03E-07	3.35E-08	2.06E-08	0.00E+00	5.40E-08	1.87E-08	1.78E-08	0.00E+00	3.64E-08
1661	481014.29	3768422.59	1.731E-07	7.81E-08	0.00E+00	2.51E-07	1.71E-07	1.14E-07	0.00E+00	2.85E-07	3.14E-08	1.93E-08	0.00E+00	5.08E-08	1.76E-08	1.67E-08	0.00E+00	3.43E-08
1662	481020.15	3768408.83	1.608E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
1663	481005.21	3768467.03	2.12E-07	9.56E-08	0.00E+00	3.08E-07	2.10E-07	1.39E-07	0.00E+00	3.49E-07	3.85E-08	2.37E-08	0.00E+00	6.22E-08	2.15E-08	2.05E-08	0.00E+00	4.20E-08
1664	481010.31	3768408.71	1.547E-07	6.98E-08	0.00E+00	2.25E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.81E-08	1.73E-08	0.00E+00	4.54E-08	1.57E-08	1.49E-08	0.00E+00	3.06E-08
1665	481016.17	3768394.95	1.426E-07	6.43E-08	0.00E+00	2.07E-07	1.41E-07	9.36E-08	0.00E+00	2.35E-07	2.59E-08	1.59E-08	0.00E+00	4.19E-08	1.45E-08	1.38E-08	0.00E+00	2.82E-08
1666	480995.37	3768466.91	2.03E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.69E-08	2.27E-08	0.00E+00	5.96E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
1667	481009.26	3768387.94	1.317E-07	5.94E-08	0.00E+00	1.91E-07	1.30E-07	8.64E-08	0.00E+00	2.17E-07	2.39E-08	1.47E-08	0.00E+00	3.86E-08	1.34E-08	1.27E-08	0.00E+00	2.61E-08
1668	481015.12	3768374.18	1.2E-07	5.41E-08	0.00E+00	1.74E-07	1.19E-07	7.87E-08	0.00E+00	1.97E-07	2.18E-08	1.34E-08	0.00E+00	3.52E-08	1.22E-08	1.16E-08	0.00E+00	2.37E-08
1669	481020.98	3768360.42	1.084E-07	4.89E-08	0.00E+00	1.57E-07	1.07E-07	7.11E-08	0.00E+00	1.78E-07	1.97E-08	1.21E-08	0.00E+00	3.18E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
1670	480985.53	3768466.78	1.945E-07	8.77E-08	0.00E+00	2.82E-07	1.92E-07	1.28E-07	0.00E+00	3.20E-07	3.53E-08	2.17E-08	0.00E+00	5.71E-08	1.97E-08	1.88E-08	0.00E+00	3.85E-08
1671	480984.78	3768422.22	1.538E-07	6.94E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.51E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
1672	480990.64	3768408.46	1.436E-07	6.48E-08	0.00E+00	2.08E-07	1.42E-07	9.42E-08	0.00E+00	2.36E-07	2.61E-08	1.60E-08	0.00E+00	4.21E-08	1.46E-08	1.39E-08	0.00E+00	2.84E-08
1673	481011.14	3768360.3	1.051E-07	4.74E-08	0.00E+00	1.53E-07	1.04E-07	6.90E-08	0.00E+00	1.73E-07	1.91E-08	1.18E-08	0.00E+00	3.09E-08	1.07E-08	1.01E-08	0.00E+00	2.08E-08
1674	480975.7	3768466.66	1.866E-07	8.42E-08	0.00E+00	2.71E-07	1.85E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.09E-08	0.00E+00	5.48E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
1675	480981.66	3768406.31	1.37E-07	6.18E-08	0.00E+00	1.99E-07	1.36E-07	8.99E-08	0.00E+00	2.25E-07	2.49E-08	1.53E-08	0.00E+00	4.02E-08	1.39E-08	1.32E-08	0.00E+00	2.71E-08
1676	480987.86	3768391.74	1.261E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.27E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
1677	481026.2	3768315.89	7.247E-08	3.27E-08	0.00E+00	1.05E-07	7.17E-08	4.76E-08	0.00E+00	1.19E-07	1.32E-08	8.10E-09	0.00E+00	2.13E-08	7.35E-09	6.99E-09	0.00E+00	1.43E-08
1678	480965.86	3768466.54	1.792E-07	8.08E-08	0.00E+00	2.60E-07	1.77E-07	1.18E-07	0.00E+00	2.95E-07	3.26E-08	2.00E-08	0.00E+00	5.26E-08	1.82E-08	1.73E-08	0.00E+00	3.55E-08
1679	480981.05	3768384.51	1.168E-07	5.27E-08	0.00E+00	1.69E-07	1.16E-07	7.66E-08	0.00E+00	1.92E-07	2.12E-08	1.31E-08	0.00E+00	3.43E-08	1.18E-08	1.13E-08	0.00E+00	2.31E-08
1680	480987.23	3768369.99	1.063E-07	4.79E-08	0.00E+00	1.54E-07	1.05E-07	6.97E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.12E-08	1.08E-08	1.03E-08	0.00E+00	2.10E-08
1681	481026.57	3768305.9	6.585E-08	2.97E-08	0.00E+00	9.55E-08	6.52E-08	4.32E-08	0.00E+00	1.08E-07	1.20E-08	7.36E-09	0.00E+00	1.93E-08	6.68E-09	6.35E-09	0.00E+00	1.30E-08
1682	480956.02	3768466.41	1.723E-07	7.77E-08	0.00E+00	2.50E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	1.75E-08	1.16E-08	0.00E+00	5.06E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
1683	480955.73	3768420.76	1.37E-07	6.18E-08	0.00E+00	1.99E-07	1.36E-07	8.99E-08	0.00E+00	2.26E-07	2.49E-08	1.53E-08	0.00E+00	4.02E-08	1.39E-08	1.32E-08	0.00E+00	2.71E-08
1684	480961.89	3768406.28	1.279E-07	5.77E-08	0.00E+00	1.86E-07	1.27E-07	8.39E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
1685	480980.39	3768362.82	9.828E-08	4.43E-08	0.00E+00	1.43E-07	9.72E-08	6.45E-08	0.00E+00	1.62E-07	1.97E-08	1.10E-08	0.00E+00	2.88E-08	9.97E-09	9.48E-09	0.00E+00	1.94E-08
1686	480989.89	3768319.37	7.051E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.88E-09	0.00E+00	2.07E-08	7.15E-09	6.80E-09	0.00E+00	1.40E-08
1687	481034.19	3768292.95	5.885E-08	2.65E-08	0.00E+00	8.54E-08	5.82E-08	3.86E-08	0.00E+00	9.68E-08	1.07E-08	6.58E-09	0.00E+00	1.73E-08	5.97E-09	5.68E-09	0.00E+00	1.16E-08
1688	480946.38	3768450.42	1.55E-07	6.99E-08	0.00E+00	2.25E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.82E-08	1.73E-08	0.00E+00	4.55E-08	1.57E-08	1.50E-08	0.00E+00	3.07E-08
1689	480946.18	3768466.29	1.658E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
1690	480952.02	3768406.24	1.237E-07	5.58E-08	0.00E+00	1.79E-07	1.22E-07	8.11E-08	0.00E+00	2.04E-07	2.25E-08	1.38E-08	0.00E+00	3.63E-08	1.25E-08	1.19E-08	0.00E+00	2.45E-08
1691	480958.17	3768391.8	1.145E-07	5.16E-08	0.00E+00	1.66E-07	1.13E-07	7.51E-08	0.00E+00	1.88E-07	2.08E-08	1.28E-08	0.00E+00	3.36E-08	1.16E-08	1.10E-08	0.00E+00	2.27E-08
1692	481005.41	3768294.9	5.693E-08	2.57E-08	0.00E+00	8.26E-08	5.63E-08	3.74E-08	0.00E+00	9.37E-08	1.03E-08	6.36E-09	0.00E+00	1.67E-08	5.78E-09	5.49E-09	0.00E+00	1.13E-08
1693	481041.74	3768280.02	5.24E-08	2.36E-08	0.00E+00	7.60E-08	5.19E-08	3.44E-08	0.00E+00	8.62E-08	9.52E-09	5.86E-09	0.00E+00	1.54E-08	5.32E-09	5.06E-09	0.00E+00	1.04E-08
1694	480936.54	3768450.3	1.494E-07	6.74E-08	0.00E+00	2.17E-07	1.48E-07	9.80E-08	0.00E+00	2.46E-07	2.71E-08	1.67E-08	0.00E+00	4.38E-08	1.52E-08	1.44E-08	0.00E+00	2.96E-08
1695	4																	

1764	480971.53	3768230.1	3.053E-08	1.38E-08	0.00E+00	4.43E-08	3.02E-08	2.00E-08	0.00E+00	5.02E-08	5.55E-09	3.41E-09	0.00E+00	8.96E-09	3.10E-09	2.94E-09	0.00E+00	6.04E-09
1765	481007.37	3768215.42	2.776E-08	1.25E-08	0.00E+00	4.03E-08	2.75E-08	1.82E-08	0.00E+00	4.57E-08	5.04E-09	3.10E-09	0.00E+00	8.15E-09	2.82E-09	2.68E-09	0.00E+00	5.49E-09
1766	481043.2	3768200.75	2.509E-08	1.13E-08	0.00E+00	3.64E-08	2.48E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.80E-09	0.00E+00	7.36E-09	2.55E-09	2.42E-09	0.00E+00	4.97E-09
1767	481079.04	3768186.07	2.262E-08	1.02E-08	0.00E+00	3.28E-08	2.24E-08	1.48E-08	0.00E+00	3.72E-08	4.11E-09	2.53E-09	0.00E+00	6.64E-09	2.29E-09	2.18E-09	0.00E+00	4.48E-09
1768	480857.84	3768449.31	1.14E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
1769	480857.64	3768465.17	1.213E-07	5.47E-08	0.00E+00	1.76E-07	1.20E-07	7.96E-08	0.00E+00	2.00E-07	2.20E-08	1.36E-08	0.00E+00	3.56E-08	1.23E-08	1.17E-08	0.00E+00	2.40E-08
1770	480872.34	3768384.31	8.462E-08	3.82E-08	0.00E+00	1.23E-07	8.37E-08	5.55E-08	0.00E+00	1.39E-07	1.54E-08	9.46E-09	0.00E+00	2.48E-08	8.58E-09	8.16E-09	0.00E+00	1.67E-08
1771	480899.6	3768320.25	5.772E-08	2.60E-08	0.00E+00	8.38E-08	5.71E-08	3.79E-08	0.00E+00	9.50E-08	1.05E-08	6.45E-09	0.00E+00	1.69E-08	5.86E-09	5.57E-09	0.00E+00	1.14E-08
1772	480905.66	3768306.02	5.229E-08	2.36E-08	0.00E+00	7.59E-08	5.17E-08	3.43E-08	0.00E+00	8.61E-08	9.50E-09	5.84E-09	0.00E+00	1.53E-08	5.30E-09	5.04E-09	0.00E+00	1.03E-08
1773	480914.75	3768284.66	4.477E-08	2.02E-08	0.00E+00	6.50E-08	4.43E-08	2.94E-08	0.00E+00	7.37E-08	8.14E-09	5.00E-09	0.00E+00	1.31E-08	4.54E-09	4.32E-09	0.00E+00	8.86E-09
1774	480926.87	3768256.19	3.61E-08	1.63E-08	0.00E+00	5.24E-08	3.57E-08	2.37E-08	0.00E+00	5.94E-08	6.56E-09	4.03E-09	0.00E+00	1.06E-08	3.66E-09	3.48E-09	0.00E+00	7.14E-09
1775	480932.93	3768241.96	3.236E-08	1.46E-08	0.00E+00	4.70E-08	3.20E-08	2.12E-08	0.00E+00	5.33E-08	5.88E-09	3.62E-09	0.00E+00	9.50E-09	3.28E-09	3.12E-09	0.00E+00	6.40E-09
1776	480943.12	3768231.91	3.014E-08	1.36E-08	0.00E+00	4.37E-08	2.98E-08	1.98E-08	0.00E+00	4.96E-08	5.48E-09	3.37E-09	0.00E+00	8.84E-09	3.06E-09	2.91E-09	0.00E+00	5.96E-09
1777	480978.91	3768217.25	2.76E-08	1.24E-08	0.00E+00	4.00E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.01E-09	3.08E-09	0.00E+00	8.10E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
1778	481014.7	3768202.59	2.507E-08	1.13E-08	0.00E+00	3.64E-08	2.48E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.80E-09	0.00E+00	7.36E-09	2.54E-09	2.42E-09	0.00E+00	4.96E-09
1779	481050.49	3768187.93	2.27E-08	1.02E-08	0.00E+00	3.29E-08	2.25E-08	1.49E-08	0.00E+00	3.74E-08	4.12E-09	2.54E-09	0.00E+00	6.66E-09	2.30E-09	2.19E-09	0.00E+00	4.49E-09
1781	480848	3768449.18	1.105E-07	4.98E-08	0.00E+00	1.60E-07	1.09E-07	7.25E-08	0.00E+00	1.82E-07	2.01E-08	1.23E-08	0.00E+00	3.24E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
1782	480847.8	3768465.05	1.175E-07	5.30E-08	0.00E+00	1.70E-07	1.16E-07	7.71E-08	0.00E+00	1.93E-07	2.13E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
1783	480841.29	3768434.02	1.013E-07	4.57E-08	0.00E+00	1.47E-07	1.00E-07	6.64E-08	0.00E+00	1.67E-07	1.84E-08	1.13E-08	0.00E+00	2.97E-08	1.03E-08	9.77E-09	0.00E+00	2.00E-08
1784	480862.47	3768384.25	8.239E-08	3.72E-08	0.00E+00	1.20E-07	8.15E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.21E-09	0.00E+00	2.42E-08	8.36E-09	7.95E-09	0.00E+00	1.63E-08
1785	480868.53	3768370.03	7.653E-08	3.45E-08	0.00E+00	1.11E-07	7.57E-08	5.02E-08	0.00E+00	1.26E-07	1.39E-08	8.55E-09	0.00E+00	2.25E-08	7.76E-09	7.38E-09	0.00E+00	1.51E-08
1786	480943.35	3768221.98	2.783E-08	1.26E-08	0.00E+00	4.04E-08	2.75E-08	1.83E-08	0.00E+00	4.58E-08	5.06E-09	3.11E-09	0.00E+00	8.17E-09	2.82E-09	2.69E-09	0.00E+00	5.51E-09
1787	480979.1	3768207.33	2.546E-08	1.15E-08	0.00E+00	3.69E-08	2.52E-08	1.67E-08	0.00E+00	4.19E-08	4.63E-09	2.85E-09	0.00E+00	7.47E-09	2.58E-09	2.46E-09	0.00E+00	5.04E-09
1788	481014.85	3768192.69	2.316E-08	1.04E-08	0.00E+00	3.36E-08	2.29E-08	1.52E-08	0.00E+00	3.81E-08	4.21E-09	2.59E-09	0.00E+00	6.80E-09	2.35E-09	2.23E-09	0.00E+00	4.58E-09
1791	480838.16	3768449.06	1.071E-07	4.83E-08	0.00E+00	1.55E-07	1.06E-07	7.03E-08	0.00E+00	1.76E-07	1.95E-08	1.20E-08	0.00E+00	3.14E-08	1.09E-08	1.03E-08	0.00E+00	2.12E-08
1792	480837.96	3768464.92	1.139E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.47E-08	0.00E+00	1.87E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.25E-08
1793	480811.29	3768433.65	9.257E-08	4.17E-08	0.00E+00	1.34E-07	9.16E-08	6.07E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.72E-08	9.39E-09	8.93E-09	0.00E+00	1.83E-08
1794	480832.44	3768383.96	7.596E-08	3.43E-08	0.00E+00	1.10E-07	7.52E-08	4.98E-08	0.00E+00	1.25E-07	1.38E-08	8.49E-09	0.00E+00	2.23E-08	7.71E-09	7.33E-09	0.00E+00	1.50E-08
1795	480838.48	3768369.76	7.087E-08	3.20E-08	0.00E+00	1.03E-07	7.01E-08	4.65E-08	0.00E+00	1.17E-07	1.29E-08	7.92E-09	0.00E+00	2.08E-08	7.19E-09	6.84E-09	0.00E+00	1.40E-08
1796	480922.26	3768200.63	2.323E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.52E-08	0.00E+00	3.82E-08	4.22E-09	2.60E-09	0.00E+00	6.82E-09	2.36E-09	2.24E-09	0.00E+00	4.60E-09
1797	480957.96	3768186.01	2.132E-08	9.61E-09	0.00E+00	3.09E-08	2.11E-08	1.40E-08	0.00E+00	3.51E-08	3.87E-09	2.38E-09	0.00E+00	6.26E-09	2.16E-09	2.06E-09	0.00E+00	4.22E-09
1803	480808.17	3768448.68	9.782E-08	4.41E-08	0.00E+00	1.42E-07	9.68E-08	6.42E-08	0.00E+00	1.61E-07	1.78E-08	1.09E-08	0.00E+00	2.87E-08	9.92E-09	9.44E-09	0.00E+00	1.94E-08
1804	480807.97	3768464.55	1.04E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.82E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.05E-08	1.00E-08	0.00E+00	2.06E-08
1805	480781.37	3768433.08	8.487E-08	3.83E-08	0.00E+00	1.23E-07	8.40E-08	5.57E-08	0.00E+00	1.40E-07	1.54E-08	9.49E-09	0.00E+00	2.49E-08	8.61E-09	8.19E-09	0.00E+00	1.68E-08
1806	480806.21	3768374.73	6.735E-08	3.04E-08	0.00E+00	9.77E-08	6.66E-08	4.42E-08	0.00E+00	1.11E-07	1.22E-08	7.53E-09	0.00E+00	1.98E-08	6.83E-09	6.50E-09	0.00E+00	1.33E-08
1807	480901.58	3768179.11	1.965E-08	8.86E-09	0.00E+00	2.85E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.57E-09	2.20E-09	0.00E+00	5.77E-09	1.99E-09	1.90E-09	0.00E+00	3.89E-09
1815	480778.17	3768448.3	8.969E-08	4.04E-08	0.00E+00	1.30E-07	8.87E-08	5.89E-08	0.00E+00	1.48E-07	1.63E-08	1.00E-08	0.00E+00	2.63E-08	9.10E-09	8.65E-09	0.00E+00	1.77E-08
1816	480777.97	3768464.17	9.523E-08	4.29E-08	0.00E+00	1.38E-07	9.42E-08	6.25E-08	0.00E+00	1.57E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.66E-09	9.19E-09	0.00E+00	1.88E-08
1817	480776.12	3768374.57	6.268E-08	2.83E-08	0.00E+00	9.09E-08	6.20E-08	4.11E-08	0.00E+00	1.03E-07	1.14E-08	7.01E-09	0.00E+00	1.84E-08	6.36E-09	6.05E-09	0.00E+00	1.24E-08
1818	480880.47	3768157.77	1.683E-08	7.59E-09	0.00E+00	2.44E-08	1.67E-08	1.10E-08	0.00E+00	2.77E-08	3.60E-09	1.88E-09	0.00E+00	4.94E-09	1.71E-09	1.62E-09	0.00E+00	3.33E-09
1819	480917.02	3768142.8	1.559E-08	7.03E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.57E-08	2.83E-09	1.74E-09	0.00E+00	4.58E-09	1.58E-09	1.50E-09	0.00E+00	3.09E-09
1828	480859.36	3768136.43	1.461E-08	6.59E-09	0.00E+00	2.12E-08	1.45E-08	9.59E-09	0.00E+00	2.41E-08	2.66E-09	1.63E-09	0.00E+00	4.29E-09	1.48E-09	1.41E-09	0.00E+00	2.89E-09
1829	480895.81	3768121.5	1.361E-08	6.14E-09	0.00E+00	1.97E-08	1.35E-08	8.93E-09	0.00E+00	2.24E-08	2.77E-09	1.52E-09	0.00E+00	3.99E-09	1.38E-09	1.31E-09	0.00E+00	2.69E-09
1830	480932.26	3768106.57	1.271E-08	5.73E-09	0.00E+00	1.84E-08	1.26E-08	8.34E-09	0.00E+00	2.09E-08	2.31E-09	1.42E-09	0.00E+00	3.73E-09	1.29E-09	1.23E-09	0.00E+00	2.51E-09
1839	480691.35	3768432	6.773E-08	3.05E-08	0.00E+00	9.83E-08	6.70E-08	4.44E-08	0.00E+00	1.11E-07	1.23E-08	7.57E-09	0.00E+00	1.99E-08	6.87E-09	6.53E-09	0.00E+00	1.34E-08
1840	480697.51	3768417.54	6.471E-08	2.92E-08	0.00E+00	9.39E-08	6.40E-08	4.25E-08	0.00E+00	1.06E-07	1.18E-08	7.23E-09	0.00E+00	1.90E-08	6.56E-09	6.24E-09	0.00E+00	1.28E-08
1850	480688.18	3768447.17	7.126E-08	3.21E-08	0.00E+00	1.03E-07	7.05E-08	4.68E-08	0.00E+00	1.17E-07	1.29E-08	7.96E-09	0.00E+00	2.09E-08	7.23E-09	6.87E-09	0.00E+00	1.41E-08
1851	480687.98	3768463.03	7.532E-08	3.40E-08	0.00E+00	1.09E-07	7.45E-08	4.94E-08	0.00E+00	1.24E-07	1.37E-08	8.42E-09	0.00E+00	2.21E-08	7.64E-09	7.27E-09	0.00E+00	1.49E-08
1852	480661.35	3768431.64	6.321E-08	2.85E-08	0.00E+00	9.17E-08	6.26E-08	4.15E-08	0.00E+00	1.04E-07	1.15E-08	7.07E-09	0.00E+00	1.86E-08	6.41E-09	6.10E-09	0.00E+00	1.25E-08
1853	4806																	

2002	480622.12	3768240.39	2.261E-08	1.02E-08	0.00E+00	3.28E-08	2.24E-08	1.48E-08	0.00E+00	3.72E-08	4.11E-09	2.53E-09	0.00E+00	6.64E-09	2.29E-09	2.18E-09	0.00E+00	4.48E-09
2003	480628.33	3768225.8	2.097E-08	9.46E-09	0.00E+00	3.04E-08	2.07E-08	1.38E-08	0.00E+00	3.45E-08	3.81E-09	2.34E-09	0.00E+00	6.15E-09	2.13E-09	2.02E-09	0.00E+00	4.15E-09
2004	480634.54	3768211.21	1.943E-08	8.76E-09	0.00E+00	2.82E-08	1.92E-08	1.27E-08	0.00E+00	3.20E-08	3.53E-09	2.17E-09	0.00E+00	5.70E-09	1.97E-09	1.87E-09	0.00E+00	3.84E-09
2005	480640.75	3768196.62	1.799E-08	8.11E-09	0.00E+00	2.61E-08	1.78E-08	1.18E-08	0.00E+00	2.96E-08	3.27E-09	2.01E-09	0.00E+00	5.28E-09	1.82E-09	1.74E-09	0.00E+00	3.56E-09
2006	480646.96	3768182.04	1.666E-08	7.51E-09	0.00E+00	2.42E-08	1.65E-08	1.09E-08	0.00E+00	2.74E-08	3.03E-09	1.86E-09	0.00E+00	4.89E-09	1.69E-09	1.61E-09	0.00E+00	3.30E-09
2007	480653.17	3768167.45	1.544E-08	6.96E-09	0.00E+00	2.24E-08	1.53E-08	1.01E-08	0.00E+00	2.54E-08	2.80E-09	1.73E-09	0.00E+00	4.53E-09	1.57E-09	1.49E-09	0.00E+00	3.05E-09
2008	480659.38	3768152.86	1.43E-08	6.45E-09	0.00E+00	2.08E-08	1.42E-08	9.38E-09	0.00E+00	2.35E-08	2.60E-09	1.60E-09	0.00E+00	4.20E-09	1.45E-09	1.38E-09	0.00E+00	2.83E-09
2016	480709.06	3768036.15	8.35E-09	3.77E-09	0.00E+00	1.21E-08	8.26E-09	5.48E-09	0.00E+00	1.37E-08	1.52E-09	9.33E-10	0.00E+00	2.45E-09	8.47E-10	8.05E-10	0.00E+00	1.65E-09
2017	480715.26	3768021.56	7.89E-09	3.56E-09	0.00E+00	1.15E-08	7.81E-09	5.18E-09	0.00E+00	1.30E-08	1.43E-09	8.82E-10	0.00E+00	2.32E-09	8.01E-10	7.61E-10	0.00E+00	1.56E-09
2042	480538.19	3768445.28	5.148E-08	2.32E-08	0.00E+00	7.47E-08	5.09E-08	3.38E-08	0.00E+00	8.47E-08	9.35E-09	5.75E-09	0.00E+00	1.51E-08	5.22E-09	4.97E-09	0.00E+00	1.02E-08
2043	480537.99	3768461.14	5.414E-08	2.44E-08	0.00E+00	7.86E-08	5.36E-08	3.55E-08	0.00E+00	8.91E-08	9.84E-09	6.05E-09	0.00E+00	1.59E-08	5.49E-09	5.22E-09	0.00E+00	1.07E-08
2044	481143.36	3768507.71	5.333E-07	2.41E-07	0.00E+00	7.74E-07	5.28E-07	3.50E-07	0.00E+00	8.78E-07	9.69E-08	5.96E-08	0.00E+00	1.56E-07	5.41E-08	5.14E-08	0.00E+00	1.06E-07
2045	481152.46	3768510.48	5.721E-07	2.58E-07	0.00E+00	8.30E-07	5.66E-07	3.75E-07	0.00E+00	9.41E-07	1.04E-07	6.39E-08	0.00E+00	1.68E-07	5.80E-08	5.52E-08	0.00E+00	1.13E-07
2046	481161.57	3768513.25	6.131E-07	2.76E-07	0.00E+00	8.90E-07	6.07E-07	4.02E-07	0.00E+00	1.01E-06	1.11E-07	6.85E-08	0.00E+00	1.80E-07	6.22E-08	5.91E-08	0.00E+00	1.21E-07
2047	481170.67	3768516.01	6.553E-07	2.96E-07	0.00E+00	9.51E-07	6.48E-07	4.30E-07	0.00E+00	1.08E-06	1.19E-07	7.32E-08	0.00E+00	1.92E-07	6.65E-08	6.32E-08	0.00E+00	1.30E-07
2048	481179.78	3768518.78	6.973E-07	3.14E-07	0.00E+00	1.01E-06	6.90E-07	4.58E-07	0.00E+00	1.15E-06	1.27E-07	7.79E-08	0.00E+00	2.05E-07	7.07E-08	6.73E-08	0.00E+00	1.38E-07
2049	481188.88	3768521.55	7.354E-07	3.32E-07	0.00E+00	1.07E-06	7.28E-07	4.83E-07	0.00E+00	1.21E-06	1.34E-07	8.22E-08	0.00E+00	2.16E-07	7.46E-08	7.09E-08	0.00E+00	1.46E-07
2050	481197.99	3768524.32	7.654E-07	3.45E-07	0.00E+00	1.11E-06	7.57E-07	5.02E-07	0.00E+00	1.26E-06	1.39E-07	8.55E-08	0.00E+00	2.25E-07	7.76E-08	7.38E-08	0.00E+00	1.51E-07
2051	481207.09	3768527.09	7.822E-07	3.53E-07	0.00E+00	1.13E-06	7.74E-07	5.13E-07	0.00E+00	1.29E-06	1.42E-07	8.74E-08	0.00E+00	2.30E-07	7.93E-08	7.55E-08	0.00E+00	1.55E-07
2052	481149.6	3768519.89	5.445E-07	2.46E-07	0.00E+00	7.90E-07	5.39E-07	3.57E-07	0.00E+00	8.96E-07	9.89E-08	6.09E-08	0.00E+00	1.60E-07	5.52E-08	5.25E-08	0.00E+00	1.08E-07
2053	481158.71	3768522.66	5.763E-07	2.60E-07	0.00E+00	8.36E-07	5.70E-07	3.78E-07	0.00E+00	9.48E-07	1.05E-07	6.44E-08	0.00E+00	1.69E-07	5.85E-08	5.56E-08	0.00E+00	1.14E-07
2054	481167.81	3768525.43	6.074E-07	2.74E-07	0.00E+00	8.81E-07	6.01E-07	3.99E-07	0.00E+00	1.00E-06	1.10E-07	6.79E-08	0.00E+00	1.78E-07	6.16E-08	5.86E-08	0.00E+00	1.20E-07
2055	481176.92	3768528.2	6.361E-07	2.87E-07	0.00E+00	9.23E-07	6.29E-07	4.17E-07	0.00E+00	1.05E-06	1.16E-07	7.11E-08	0.00E+00	1.87E-07	6.45E-08	6.14E-08	0.00E+00	1.26E-07
2056	481186.02	3768530.97	6.602E-07	2.98E-07	0.00E+00	9.58E-07	6.53E-07	4.33E-07	0.00E+00	1.09E-06	1.20E-07	7.38E-08	0.00E+00	1.94E-07	6.70E-08	6.37E-08	0.00E+00	1.31E-07
2057	481195.13	3768533.73	6.772E-07	3.05E-07	0.00E+00	9.83E-07	6.70E-07	4.44E-07	0.00E+00	1.11E-06	1.23E-07	7.57E-08	0.00E+00	1.99E-07	6.87E-08	6.53E-08	0.00E+00	1.34E-07
2058	481204.23	3768536.5	6.852E-07	3.09E-07	0.00E+00	9.94E-07	6.78E-07	4.50E-07	0.00E+00	1.13E-06	1.25E-07	7.66E-08	0.00E+00	2.01E-07	6.95E-08	6.61E-08	0.00E+00	1.36E-07
2059	481122.18	3768519.26	4.51E-07	2.03E-07	0.00E+00	6.54E-07	4.46E-07	2.96E-07	0.00E+00	7.42E-07	8.20E-08	5.04E-08	0.00E+00	1.32E-07	4.58E-08	4.35E-08	0.00E+00	8.93E-08
2060	481109.48	3768510.25	4.171E-07	1.88E-07	0.00E+00	6.05E-07	4.13E-07	2.74E-07	0.00E+00	6.86E-07	7.58E-08	4.66E-08	0.00E+00	1.22E-07	4.23E-08	4.02E-08	0.00E+00	8.25E-08
2061	481100.76	3768498.33	3.897E-07	1.76E-07	0.00E+00	5.65E-07	3.86E-07	2.56E-07	0.00E+00	6.41E-07	7.08E-08	4.36E-08	0.00E+00	1.14E-07	3.95E-08	3.76E-08	0.00E+00	7.71E-08
2062	481146.74	3768529.3	5.15E-07	2.32E-07	0.00E+00	7.47E-07	5.10E-07	3.38E-07	0.00E+00	8.48E-07	9.36E-08	5.76E-08	0.00E+00	1.51E-07	5.22E-08	4.97E-08	0.00E+00	1.02E-07
2063	481155.84	3768532.07	5.389E-07	2.43E-07	0.00E+00	7.82E-07	5.33E-07	3.54E-07	0.00E+00	8.87E-07	9.79E-08	6.02E-08	0.00E+00	1.58E-07	5.47E-08	5.20E-08	0.00E+00	1.07E-07
2064	481164.95	3768534.84	5.613E-07	2.53E-07	0.00E+00	8.14E-07	5.55E-07	3.68E-07	0.00E+00	9.24E-07	1.02E-07	6.27E-08	0.00E+00	1.65E-07	5.69E-08	5.41E-08	0.00E+00	1.11E-07
2065	481174.05	3768537.61	5.806E-07	2.62E-07	0.00E+00	8.42E-07	5.74E-07	3.81E-07	0.00E+00	9.55E-07	1.05E-07	6.49E-08	0.00E+00	1.70E-07	5.89E-08	5.60E-08	0.00E+00	1.15E-07
2066	481183.16	3768540.38	5.954E-07	2.69E-07	0.00E+00	8.64E-07	5.89E-07	3.91E-07	0.00E+00	9.80E-07	1.08E-07	6.65E-08	0.00E+00	1.75E-07	6.04E-08	5.74E-08	0.00E+00	1.18E-07
2067	481192.26	3768543.15	6.044E-07	2.73E-07	0.00E+00	8.77E-07	5.98E-07	3.97E-07	0.00E+00	9.95E-07	1.10E-07	6.75E-08	0.00E+00	1.77E-07	6.13E-08	5.83E-08	0.00E+00	1.20E-07
2068	481201.37	3768545.92	6.071E-07	2.74E-07	0.00E+00	8.81E-07	6.01E-07	3.98E-07	0.00E+00	9.99E-07	1.10E-07	6.79E-08	0.00E+00	1.78E-07	6.16E-08	5.86E-08	0.00E+00	1.20E-07
2069	481118.05	3768527.77	4.332E-07	1.95E-07	0.00E+00	6.29E-07	4.29E-07	2.84E-07	0.00E+00	7.13E-07	7.87E-08	4.84E-08	0.00E+00	1.27E-07	4.39E-08	4.18E-08	0.00E+00	8.57E-08
2070	481110.43	3768522.36	4.172E-07	1.88E-07	0.00E+00	6.05E-07	4.13E-07	2.74E-07	0.00E+00	6.87E-07	7.58E-08	4.66E-08	0.00E+00	1.22E-07	4.23E-08	4.02E-08	0.00E+00	8.26E-08
2071	481102.81	3768516.96	3.997E-07	1.80E-07	0.00E+00	5.80E-07	3.96E-07	2.62E-07	0.00E+00	6.58E-07	7.26E-08	4.47E-08	0.00E+00	1.17E-07	4.05E-08	3.86E-08	0.00E+00	7.91E-08
2072	481092.35	3768502.65	3.721E-07	1.68E-07	0.00E+00	5.40E-07	3.68E-07	2.44E-07	0.00E+00	6.12E-07	6.76E-08	4.16E-08	0.00E+00	1.09E-07	3.77E-08	3.59E-08	0.00E+00	7.36E-08
2073	481089.5	3768493.75	3.599E-07	1.62E-07	0.00E+00	5.22E-07	3.56E-07	2.36E-07	0.00E+00	5.92E-07	6.54E-08	4.02E-08	0.00E+00	1.06E-07	3.65E-08	3.47E-08	0.00E+00	7.12E-08
2074	481143.88	3768538.72	4.847E-07	2.19E-07	0.00E+00	7.03E-07	4.80E-07	3.18E-07	0.00E+00	7.98E-07	8.81E-08	5.42E-08	0.00E+00	1.42E-07	4.92E-08	4.68E-08	0.00E+00	9.59E-08
2075	481152.98	3768541.49	5.021E-07	2.26E-07	0.00E+00	7.29E-07	4.97E-07	3.30E-07	0.00E+00	8.26E-07	9.12E-08	5.61E-08	0.00E+00	1.47E-07	5.09E-08	4.84E-08	0.00E+00	9.94E-08
2076	481162.09	3768544.25	5.178E-07	2.34E-07	0.00E+00	7.51E-07	5.12E-07	3.40E-07	0.00E+00	8.52E-07	9.41E-08	5.79E-08	0.00E+00	1.52E-07	5.25E-08	5.00E-08	0.00E+00	1.02E-07
2077	481171.19	3768547.02	5.304E-07	2.39E-07	0.00E+00	7.70E-07	5.25E-07	3.48E-07	0.00E+00	8.73E-07	9.64E-08	5.93E-08	0.00E+00	1.56E-07	5.38E-08	5.12E-08	0.00E+00	1.05E-07
2078	481180.3	3768549.79	5.389E-07	2.43E-07	0.00E+00	7.82E-07	5.33E-07	3.54E-07	0.00E+00	8.87E-07	9.79E-08	6.02E-08	0.00E+00	1.58E-07	5.47E-08	5.20E-08	0.00E+00	1.07E-07
2079	481189.4	3768552.56	5.428E-07	2.45E-07	0.00E+00	7.88E-07	5.37E-07	3.56E-07	0.00E+00	8.93E-07	9.86E-08	6.07E-08	0.00E+00	1.59E-07	5.51E-08	5.24E-08	0.00E+00	1.07E-07
2080	481198.51	3768553.33	5.421E-07	2.44E-07	0.00E+00	7.87E-07	5.36E-07	3.56E-07	0.00E+00	8.92E-07	9.85E-08	6.06E-08	0.00E+00	1.59E-07	5.50E-08	5.23E-08	0.00E+00	1.07E-07
2081	481115.69	3768537.55	4.165E-07	1.88E-07	0.00E+00	6.04E-07	4.12E-07	2.73E-07	0.00E+00	6.86E-07	7.57E-08	4.66E-08	0.00E+00	1.22E-07	4.23E-08	4.02E-08	0.00E+00	8.24E-08
2082																		

2151	481062.78	3768557.21	3.075E-07	1.39E-07	0.00E+00	4.46E-07	3.04E-07	2.02E-07	0.00E+00	5.06E-07	5.59E-08	3.44E-08	0.00E+00	9.02E-08	3.12E-08	2.97E-08	0.00E+00	6.08E-08
2152	481055.16	3768551.81	3.01E-07	1.36E-07	0.00E+00	4.37E-07	2.98E-07	1.98E-07	0.00E+00	4.95E-07	5.47E-08	3.36E-08	0.00E+00	8.83E-08	3.05E-08	2.90E-08	0.00E+00	5.96E-08
2153	481044.7	3768537.5	2.924E-07	1.32E-07	0.00E+00	4.24E-07	2.89E-07	1.92E-07	0.00E+00	4.81E-07	5.31E-08	3.27E-08	0.00E+00	8.58E-08	2.97E-08	2.82E-08	0.00E+00	5.79E-08
2154	481041.85	3768528.6	2.893E-07	1.30E-07	0.00E+00	4.20E-07	2.86E-07	1.90E-07	0.00E+00	4.76E-07	5.26E-08	3.23E-08	0.00E+00	8.49E-08	2.93E-08	2.79E-08	0.00E+00	5.73E-08
2155	481039.01	3768519.7	2.844E-07	1.28E-07	0.00E+00	4.13E-07	2.81E-07	1.87E-07	0.00E+00	4.68E-07	5.17E-08	3.18E-08	0.00E+00	8.35E-08	2.88E-08	2.74E-08	0.00E+00	5.63E-08
2156	481036.16	3768510.81	2.779E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.57E-07	5.05E-08	3.11E-08	0.00E+00	8.15E-08	2.82E-08	2.68E-08	0.00E+00	5.50E-08
2157	481033.32	3768501.91	2.699E-07	1.22E-07	0.00E+00	3.92E-07	2.67E-07	1.77E-07	0.00E+00	4.44E-07	4.90E-08	3.02E-08	0.00E+00	7.92E-08	2.74E-08	2.60E-08	0.00E+00	5.34E-08
2158	481030.47	3768493.01	2.607E-07	1.18E-07	0.00E+00	3.78E-07	2.58E-07	1.71E-07	0.00E+00	4.29E-07	4.74E-08	2.91E-08	0.00E+00	7.65E-08	2.64E-08	2.52E-08	0.00E+00	5.16E-08
2159	481027.63	3768484.11	2.507E-07	1.13E-07	0.00E+00	3.64E-07	2.48E-07	1.64E-07	0.00E+00	4.13E-07	4.55E-08	2.80E-08	0.00E+00	7.36E-08	2.54E-08	2.42E-08	0.00E+00	4.96E-08
2160	481108.49	3768589.66	3.172E-07	1.43E-07	0.00E+00	4.60E-07	3.14E-07	2.08E-07	0.00E+00	5.22E-07	5.76E-08	3.55E-08	0.00E+00	9.31E-08	3.22E-08	3.06E-08	0.00E+00	6.28E-08
2161	481117.6	3768592.43	3.193E-07	1.44E-07	0.00E+00	4.63E-07	3.16E-07	2.10E-07	0.00E+00	5.26E-07	5.80E-08	3.57E-08	0.00E+00	9.37E-08	3.24E-08	3.08E-08	0.00E+00	6.32E-08
2162	481144.91	3768600.73	3.182E-07	1.44E-07	0.00E+00	4.62E-07	3.15E-07	2.09E-07	0.00E+00	5.24E-07	5.78E-08	3.56E-08	0.00E+00	9.34E-08	3.23E-08	3.07E-08	0.00E+00	6.30E-08
2163	481154.02	3768603.5	3.149E-07	1.42E-07	0.00E+00	4.57E-07	3.12E-07	2.07E-07	0.00E+00	5.18E-07	5.72E-08	3.52E-08	0.00E+00	9.24E-08	3.19E-08	3.04E-08	0.00E+00	6.23E-08
2164	481163.12	3768606.27	3.1E-07	1.40E-07	0.00E+00	4.50E-07	3.07E-07	2.03E-07	0.00E+00	5.10E-07	5.63E-08	3.47E-08	0.00E+00	9.10E-08	3.14E-08	2.99E-08	0.00E+00	6.14E-08
2165	481172.23	3768609.04	3.039E-07	1.37E-07	0.00E+00	4.41E-07	3.01E-07	1.99E-07	0.00E+00	5.00E-07	5.52E-08	3.40E-08	0.00E+00	8.92E-08	3.08E-08	2.93E-08	0.00E+00	6.01E-08
2166	481181.33	3768611.81	2.965E-07	1.34E-07	0.00E+00	4.30E-07	2.93E-07	1.95E-07	0.00E+00	4.88E-07	5.39E-08	3.31E-08	0.00E+00	8.70E-08	3.01E-08	2.86E-08	0.00E+00	5.87E-08
2167	481098.29	3768593.86	3.011E-07	1.36E-07	0.00E+00	4.37E-07	2.98E-07	1.98E-07	0.00E+00	4.96E-07	5.47E-08	3.37E-08	0.00E+00	8.84E-08	3.05E-08	2.90E-08	0.00E+00	5.96E-08
2168	481083.62	3768583.45	3.041E-07	1.37E-07	0.00E+00	4.41E-07	3.01E-07	2.00E-07	0.00E+00	5.00E-07	5.52E-08	3.40E-08	0.00E+00	8.92E-08	3.08E-08	2.93E-08	0.00E+00	6.02E-08
2169	481076.28	3768578.24	3.033E-07	1.37E-07	0.00E+00	4.40E-07	3.00E-07	1.99E-07	0.00E+00	4.99E-07	5.51E-08	3.39E-08	0.00E+00	8.90E-08	3.08E-08	2.93E-08	0.00E+00	6.00E-08
2170	481068.95	3768573.04	3.012E-07	1.36E-07	0.00E+00	4.37E-07	2.98E-07	1.98E-07	0.00E+00	4.96E-07	5.47E-08	3.37E-08	0.00E+00	8.84E-08	3.06E-08	2.91E-08	0.00E+00	5.96E-08
2171	481061.61	3768567.83	2.978E-07	1.34E-07	0.00E+00	4.32E-07	2.95E-07	1.95E-07	0.00E+00	4.90E-07	5.41E-08	3.33E-08	0.00E+00	8.74E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
2172	481054.28	3768562.62	2.933E-07	1.32E-07	0.00E+00	4.26E-07	2.90E-07	1.92E-07	0.00E+00	4.83E-07	5.33E-08	3.28E-08	0.00E+00	8.61E-08	2.98E-08	2.83E-08	0.00E+00	5.80E-08
2173	481036.86	3768543.64	2.812E-07	1.27E-07	0.00E+00	4.08E-07	2.78E-07	1.85E-07	0.00E+00	4.63E-07	5.11E-08	3.14E-08	0.00E+00	8.25E-08	2.85E-08	2.71E-08	0.00E+00	5.57E-08
2174	481034.12	3768535.07	2.791E-07	1.26E-07	0.00E+00	4.05E-07	2.76E-07	1.83E-07	0.00E+00	4.59E-07	5.07E-08	3.12E-08	0.00E+00	8.19E-08	2.83E-08	2.69E-08	0.00E+00	5.52E-08
2175	481028.64	3768517.93	2.704E-07	1.22E-07	0.00E+00	3.92E-07	2.68E-07	1.77E-07	0.00E+00	4.45E-07	4.91E-08	3.02E-08	0.00E+00	7.94E-08	2.74E-08	2.61E-08	0.00E+00	5.35E-08
2176	481025.91	3768509.36	2.64E-07	1.19E-07	0.00E+00	3.83E-07	2.61E-07	1.73E-07	0.00E+00	4.35E-07	4.80E-08	2.95E-08	0.00E+00	7.75E-08	2.68E-08	2.55E-08	0.00E+00	5.23E-08
2177	481020.43	3768492.23	2.48E-07	1.12E-07	0.00E+00	3.60E-07	2.45E-07	1.63E-07	0.00E+00	4.08E-07	4.51E-08	2.77E-08	0.00E+00	7.28E-08	2.52E-08	2.39E-08	0.00E+00	4.91E-08
2178	481105.63	3768599.07	2.974E-07	1.34E-07	0.00E+00	4.32E-07	2.94E-07	1.95E-07	0.00E+00	4.89E-07	5.40E-08	3.32E-08	0.00E+00	8.73E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
2179	481114.73	3768601.84	2.981E-07	1.34E-07	0.00E+00	4.33E-07	2.95E-07	1.96E-07	0.00E+00	4.91E-07	5.42E-08	3.33E-08	0.00E+00	8.75E-08	3.02E-08	2.88E-08	0.00E+00	5.90E-08
2180	481123.84	3768604.61	2.977E-07	1.34E-07	0.00E+00	4.32E-07	2.95E-07	1.95E-07	0.00E+00	4.90E-07	5.41E-08	3.33E-08	0.00E+00	8.74E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
2181	481142.05	3768610.15	2.934E-07	1.32E-07	0.00E+00	4.26E-07	2.90E-07	1.93E-07	0.00E+00	4.83E-07	5.33E-08	3.28E-08	0.00E+00	8.61E-08	2.98E-08	2.83E-08	0.00E+00	5.81E-08
2182	481151.15	3768612.91	2.893E-07	1.30E-07	0.00E+00	4.20E-07	2.86E-07	1.90E-07	0.00E+00	4.76E-07	5.26E-08	3.23E-08	0.00E+00	8.49E-08	2.93E-08	2.79E-08	0.00E+00	5.73E-08
2183	481160.26	3768615.68	2.84E-07	1.28E-07	0.00E+00	4.12E-07	2.81E-07	1.86E-07	0.00E+00	4.67E-07	5.16E-08	3.17E-08	0.00E+00	8.33E-08	2.88E-08	2.74E-08	0.00E+00	5.62E-08
2184	481169.36	3768618.45	2.775E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.57E-07	5.04E-08	3.10E-08	0.00E+00	8.14E-08	2.82E-08	2.68E-08	0.00E+00	5.49E-08
2185	481178.47	3768621.22	2.7E-07	1.22E-07	0.00E+00	3.92E-07	2.67E-07	1.77E-07	0.00E+00	4.44E-07	4.91E-08	3.02E-08	0.00E+00	7.92E-08	2.74E-08	2.60E-08	0.00E+00	5.34E-08
2186	481095.66	3768603.44	2.829E-07	1.28E-07	0.00E+00	4.11E-07	2.80E-07	1.86E-07	0.00E+00	4.66E-07	5.14E-08	3.16E-08	0.00E+00	8.30E-08	2.87E-08	2.73E-08	0.00E+00	5.60E-08
2187	481081.43	3768593.34	2.882E-07	1.30E-07	0.00E+00	4.18E-07	2.85E-07	1.89E-07	0.00E+00	4.74E-07	5.24E-08	3.22E-08	0.00E+00	8.46E-08	2.92E-08	2.78E-08	0.00E+00	5.70E-08
2188	481067.21	3768583.25	2.884E-07	1.30E-07	0.00E+00	4.18E-07	2.85E-07	1.89E-07	0.00E+00	4.75E-07	5.24E-08	3.22E-08	0.00E+00	8.46E-08	2.93E-08	2.78E-08	0.00E+00	5.71E-08
2189	481052.99	3768573.16	2.839E-07	1.28E-07	0.00E+00	4.12E-07	2.81E-07	1.86E-07	0.00E+00	4.67E-07	5.16E-08	3.17E-08	0.00E+00	8.33E-08	2.88E-08	2.74E-08	0.00E+00	5.62E-08
2190	481038.77	3768563.06	2.758E-07	1.24E-07	0.00E+00	4.00E-07	2.73E-07	1.81E-07	0.00E+00	4.54E-07	5.01E-08	3.08E-08	0.00E+00	8.09E-08	2.80E-08	2.66E-08	0.00E+00	5.46E-08
2191	481029.01	3768549.71	2.706E-07	1.22E-07	0.00E+00	3.93E-07	2.68E-07	1.78E-07	0.00E+00	4.45E-07	4.92E-08	3.02E-08	0.00E+00	7.94E-08	2.74E-08	2.61E-08	0.00E+00	5.35E-08
2192	481023.7	3768533.1	2.666E-07	1.20E-07	0.00E+00	3.87E-07	2.64E-07	1.75E-07	0.00E+00	4.39E-07	4.84E-08	2.98E-08	0.00E+00	7.82E-08	2.70E-08	2.57E-08	0.00E+00	5.28E-08
2193	481018.39	3768516.49	2.575E-07	1.16E-07	0.00E+00	3.74E-07	2.55E-07	1.69E-07	0.00E+00	4.24E-07	4.68E-08	2.88E-08	0.00E+00	7.56E-08	2.61E-08	2.48E-08	0.00E+00	5.10E-08
2194	481013.07	3768499.88	2.442E-07	1.10E-07	0.00E+00	3.54E-07	2.42E-07	1.60E-07	0.00E+00	4.02E-07	4.44E-08	2.73E-08	0.00E+00	7.17E-08	2.48E-08	2.36E-08	0.00E+00	4.83E-08
2195	481007.76	3768483.27	2.278E-07	1.03E-07	0.00E+00	3.31E-07	2.25E-07	1.49E-07	0.00E+00	3.75E-07	4.14E-08	2.55E-08	0.00E+00	6.68E-08	2.31E-08	2.20E-08	0.00E+00	4.51E-08
2196	481111.87	3768611.25	2.78E-07	1.25E-07	0.00E+00	4.03E-07	2.75E-07	1.82E-07	0.00E+00	4.58E-07	5.05E-08	3.11E-08	0.00E+00	8.16E-08	2.82E-08	2.68E-08	0.00E+00	5.50E-08
2197	481120.98	3768614.02	2.766E-07	1.25E-07	0.00E+00	4.01E-07	2.74E-07	1.81E-07	0.00E+00	4.55E-07	5.03E-08	3.09E-08	0.00E+00	8.12E-08	2.81E-08	2.67E-08	0.00E+00	5.47E-08
2198	481148.29	3768622.33	2.66E-07	1.20E-07	0.00E+00	3.86E-07	2.63E-07	1.75E-07	0.00E+00	4.38E-07	4.83E-08	2.97E-08	0.00E+00	7.80E-08	2.70E-08	2.57E-08	0.00E+00	5.26E-08
2199	481157.4	3768625.1	2.603E-07	1.17E-07	0.00E+00	3.78E-07	2.58E-07	1.71E-07	0.00E+00	4.28E-07	4.73E-08	2.91E-08	0.00E+00	7.64E-08	2.64E-08	2.51E-08	0.00E+00	5.15E-08
2200	4811																	

2269	481068.46	3768629.91	2.295E-07	1.04E-07	0.00E+00	3.33E-07	2.27E-07	1.51E-07	0.00E+00	3.78E-07	4.17E-08	2.57E-08	0.00E+00	6.74E-08	2.33E-08	2.21E-08	0.00E+00	4.54E-08
2270	481060.84	3768624.51	2.334E-07	1.05E-07	0.00E+00	3.39E-07	2.31E-07	1.53E-07	0.00E+00	3.84E-07	4.24E-08	2.61E-08	0.00E+00	6.85E-08	2.37E-08	2.25E-08	0.00E+00	4.62E-08
2271	481053.22	3768619.1	2.363E-07	1.07E-07	0.00E+00	3.43E-07	2.34E-07	1.55E-07	0.00E+00	3.89E-07	4.29E-08	2.64E-08	0.00E+00	6.93E-08	2.40E-08	2.28E-08	0.00E+00	4.68E-08
2272	481045.61	3768613.69	2.382E-07	1.07E-07	0.00E+00	3.46E-07	2.36E-07	1.56E-07	0.00E+00	3.92E-07	4.33E-08	2.66E-08	0.00E+00	6.99E-08	2.42E-08	2.30E-08	0.00E+00	4.71E-08
2273	481037.99	3768608.29	2.391E-07	1.08E-07	0.00E+00	3.47E-07	2.37E-07	1.57E-07	0.00E+00	3.94E-07	4.34E-08	2.67E-08	0.00E+00	7.02E-08	2.43E-08	2.31E-08	0.00E+00	4.73E-08
2274	481030.37	3768602.88	2.392E-07	1.08E-07	0.00E+00	3.47E-07	2.37E-07	1.57E-07	0.00E+00	3.94E-07	4.35E-08	2.67E-08	0.00E+00	7.02E-08	2.43E-08	2.31E-08	0.00E+00	4.73E-08
2275	481022.75	3768597.47	2.384E-07	1.08E-07	0.00E+00	3.46E-07	2.36E-07	1.56E-07	0.00E+00	3.92E-07	4.33E-08	2.66E-08	0.00E+00	7.00E-08	2.42E-08	2.30E-08	0.00E+00	4.72E-08
2276	481015.13	3768592.06	2.369E-07	1.07E-07	0.00E+00	3.44E-07	2.34E-07	1.55E-07	0.00E+00	3.90E-07	4.30E-08	2.65E-08	0.00E+00	6.95E-08	2.40E-08	2.29E-08	0.00E+00	4.69E-08
2277	481007.52	3768586.66	2.346E-07	1.06E-07	0.00E+00	3.40E-07	2.32E-07	1.54E-07	0.00E+00	3.86E-07	4.26E-08	2.62E-08	0.00E+00	6.89E-08	2.38E-08	2.26E-08	0.00E+00	4.64E-08
2278	480997.05	3768572.35	2.33E-07	1.05E-07	0.00E+00	3.38E-07	2.31E-07	1.53E-07	0.00E+00	3.83E-07	4.23E-08	2.60E-08	0.00E+00	6.84E-08	2.36E-08	2.25E-08	0.00E+00	4.61E-08
2279	480994.21	3768563.45	2.333E-07	1.05E-07	0.00E+00	3.39E-07	2.31E-07	1.53E-07	0.00E+00	3.84E-07	4.24E-08	2.61E-08	0.00E+00	6.85E-08	2.37E-08	2.25E-08	0.00E+00	4.62E-08
2280	480991.36	3768554.55	2.325E-07	1.05E-07	0.00E+00	3.37E-07	2.30E-07	1.53E-07	0.00E+00	3.83E-07	4.22E-08	2.60E-08	0.00E+00	6.82E-08	2.36E-08	2.24E-08	0.00E+00	4.60E-08
2281	480988.52	3768545.66	2.306E-07	1.04E-07	0.00E+00	3.35E-07	2.28E-07	1.51E-07	0.00E+00	3.79E-07	4.19E-08	2.58E-08	0.00E+00	6.77E-08	2.34E-08	2.22E-08	0.00E+00	4.56E-08
2282	480985.67	3768536.76	2.276E-07	1.03E-07	0.00E+00	3.30E-07	2.25E-07	1.49E-07	0.00E+00	3.75E-07	4.14E-08	2.54E-08	0.00E+00	6.68E-08	2.31E-08	2.20E-08	0.00E+00	4.50E-08
2283	480982.83	3768527.86	2.237E-07	1.01E-07	0.00E+00	3.25E-07	2.21E-07	1.47E-07	0.00E+00	3.68E-07	4.07E-08	2.50E-08	0.00E+00	6.57E-08	2.27E-08	2.16E-08	0.00E+00	4.43E-08
2284	480979.98	3768518.96	2.19E-07	9.88E-08	0.00E+00	3.18E-07	2.17E-07	1.44E-07	0.00E+00	3.60E-07	3.98E-08	2.45E-08	0.00E+00	6.43E-08	2.22E-08	2.11E-08	0.00E+00	4.33E-08
2285	480977.14	3768510.06	2.134E-07	9.62E-08	0.00E+00	3.10E-07	2.11E-07	1.40E-07	0.00E+00	3.51E-07	3.88E-08	2.39E-08	0.00E+00	6.26E-08	2.16E-08	2.06E-08	0.00E+00	4.22E-08
2286	480974.29	3768501.16	2.071E-07	9.34E-08	0.00E+00	3.00E-07	2.05E-07	1.36E-07	0.00E+00	3.41E-07	3.76E-08	2.31E-08	0.00E+00	6.08E-08	2.10E-08	2.00E-08	0.00E+00	4.10E-08
2287	480971.45	3768492.27	2.001E-07	9.02E-08	0.00E+00	2.90E-07	1.98E-07	1.31E-07	0.00E+00	3.29E-07	3.64E-08	2.24E-08	0.00E+00	5.87E-08	2.03E-08	1.93E-08	0.00E+00	3.96E-08
2288	480968.6	3768483.37	1.926E-07	8.69E-08	0.00E+00	2.79E-07	1.91E-07	1.26E-07	0.00E+00	3.17E-07	3.56E-08	2.15E-08	0.00E+00	5.65E-08	1.95E-08	1.86E-08	0.00E+00	3.81E-08
2289	481091.32	3768646.14	2.125E-07	9.58E-08	0.00E+00	3.08E-07	2.10E-07	1.39E-07	0.00E+00	3.50E-07	3.86E-08	2.37E-08	0.00E+00	6.24E-08	2.16E-08	2.05E-08	0.00E+00	4.21E-08
2290	481100.42	3768648.91	2.096E-07	9.45E-08	0.00E+00	3.04E-07	2.07E-07	1.38E-07	0.00E+00	3.45E-07	3.81E-08	2.34E-08	0.00E+00	6.15E-08	2.13E-08	2.02E-08	0.00E+00	4.15E-08
2291	481109.53	3768651.67	2.06E-07	9.29E-08	0.00E+00	2.99E-07	2.04E-07	1.35E-07	0.00E+00	3.39E-07	3.74E-08	2.30E-08	0.00E+00	6.05E-08	2.09E-08	1.99E-08	0.00E+00	4.08E-08
2292	481118.63	3768654.44	2.018E-07	9.10E-08	0.00E+00	2.93E-07	2.00E-07	1.32E-07	0.00E+00	3.32E-07	3.67E-08	2.26E-08	0.00E+00	5.92E-08	2.05E-08	1.95E-08	0.00E+00	3.99E-08
2293	481145.95	3768662.75	1.853E-07	8.36E-08	0.00E+00	2.69E-07	1.83E-07	1.22E-07	0.00E+00	3.05E-07	3.37E-08	2.07E-08	0.00E+00	5.44E-08	1.88E-08	1.79E-08	0.00E+00	3.67E-08
2294	481155.05	3768665.52	1.789E-07	8.07E-08	0.00E+00	2.60E-07	1.77E-07	1.17E-07	0.00E+00	2.94E-07	3.25E-08	2.00E-08	0.00E+00	5.25E-08	1.81E-08	1.73E-08	0.00E+00	3.54E-08
2295	481164.16	3768668.29	1.721E-07	7.76E-08	0.00E+00	2.50E-07	1.70E-07	1.13E-07	0.00E+00	2.83E-07	3.13E-08	1.92E-08	0.00E+00	5.05E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
2296	481081.03	3768650.28	2.048E-07	9.24E-08	0.00E+00	2.97E-07	2.03E-07	1.34E-07	0.00E+00	3.37E-07	3.72E-08	2.29E-08	0.00E+00	6.01E-08	2.08E-08	1.98E-08	0.00E+00	4.05E-08
2297	481073.61	3768645.01	2.106E-07	9.50E-08	0.00E+00	3.06E-07	2.08E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.35E-08	0.00E+00	6.18E-08	2.14E-08	2.03E-08	0.00E+00	4.17E-08
2298	481066.18	3768639.74	2.157E-07	9.73E-08	0.00E+00	3.13E-07	2.13E-07	1.42E-07	0.00E+00	3.55E-07	3.92E-08	2.41E-08	0.00E+00	6.33E-08	2.19E-08	2.08E-08	0.00E+00	4.27E-08
2299	481058.76	3768634.48	2.2E-07	9.92E-08	0.00E+00	3.19E-07	2.18E-07	1.44E-07	0.00E+00	3.62E-07	4.00E-08	2.46E-08	0.00E+00	6.46E-08	2.23E-08	2.12E-08	0.00E+00	4.35E-08
2300	481051.34	3768629.21	2.235E-07	1.01E-07	0.00E+00	3.24E-07	2.21E-07	1.47E-07	0.00E+00	3.68E-07	4.06E-08	2.50E-08	0.00E+00	6.56E-08	2.27E-08	2.16E-08	0.00E+00	4.42E-08
2301	481043.92	3768623.94	2.261E-07	1.02E-07	0.00E+00	3.28E-07	2.24E-07	1.48E-07	0.00E+00	3.72E-07	4.11E-08	2.53E-08	0.00E+00	6.64E-08	2.29E-08	2.18E-08	0.00E+00	4.47E-08
2302	481036.49	3768618.67	2.279E-07	1.03E-07	0.00E+00	3.31E-07	2.25E-07	1.50E-07	0.00E+00	3.75E-07	4.14E-08	2.55E-08	0.00E+00	6.69E-08	2.31E-08	2.20E-08	0.00E+00	4.51E-08
2303	481029.07	3768613.4	2.289E-07	1.03E-07	0.00E+00	3.32E-07	2.26E-07	1.50E-07	0.00E+00	3.77E-07	4.16E-08	2.56E-08	0.00E+00	6.72E-08	2.32E-08	2.21E-08	0.00E+00	4.53E-08
2304	481021.65	3768608.13	2.292E-07	1.03E-07	0.00E+00	3.33E-07	2.27E-07	1.50E-07	0.00E+00	3.77E-07	4.16E-08	2.56E-08	0.00E+00	6.73E-08	2.32E-08	2.21E-08	0.00E+00	4.54E-08
2305	481014.22	3768602.86	2.287E-07	1.03E-07	0.00E+00	3.32E-07	2.26E-07	1.50E-07	0.00E+00	3.76E-07	4.16E-08	2.56E-08	0.00E+00	6.71E-08	2.32E-08	2.21E-08	0.00E+00	4.53E-08
2306	481006.8	3768597.6	2.275E-07	1.03E-07	0.00E+00	3.30E-07	2.25E-07	1.49E-07	0.00E+00	3.74E-07	4.13E-08	2.54E-08	0.00E+00	6.68E-08	2.31E-08	2.19E-08	0.00E+00	4.50E-08
2307	480999.38	3768592.33	2.256E-07	1.02E-07	0.00E+00	3.27E-07	2.23E-07	1.48E-07	0.00E+00	3.71E-07	4.10E-08	2.52E-08	0.00E+00	6.62E-08	2.29E-08	2.18E-08	0.00E+00	4.47E-08
2308	480989.18	3768578.39	2.246E-07	1.01E-07	0.00E+00	3.26E-07	2.22E-07	1.47E-07	0.00E+00	3.70E-07	4.08E-08	2.51E-08	0.00E+00	6.59E-08	2.28E-08	2.17E-08	0.00E+00	4.45E-08
2309	480986.41	3768569.72	2.253E-07	1.02E-07	0.00E+00	3.27E-07	2.23E-07	1.48E-07	0.00E+00	3.71E-07	4.09E-08	2.52E-08	0.00E+00	6.61E-08	2.28E-08	2.17E-08	0.00E+00	4.46E-08
2310	480983.64	3768561.05	2.25E-07	1.01E-07	0.00E+00	3.26E-07	2.23E-07	1.48E-07	0.00E+00	3.70E-07	4.09E-08	2.51E-08	0.00E+00	6.60E-08	2.28E-08	2.17E-08	0.00E+00	4.45E-08
2311	480978.1	3768543.71	2.215E-07	9.99E-08	0.00E+00	3.21E-07	2.19E-07	1.45E-07	0.00E+00	3.64E-07	4.02E-08	2.48E-08	0.00E+00	6.50E-08	2.25E-08	2.14E-08	0.00E+00	4.38E-08
2312	480975.32	3768535.04	2.184E-07	9.85E-08	0.00E+00	3.17E-07	2.16E-07	1.43E-07	0.00E+00	3.59E-07	3.97E-08	2.44E-08	0.00E+00	6.41E-08	2.22E-08	2.11E-08	0.00E+00	4.32E-08
2313	480972.55	3768526.37	2.145E-07	9.67E-08	0.00E+00	3.11E-07	2.12E-07	1.41E-07	0.00E+00	3.53E-07	3.90E-08	2.40E-08	0.00E+00	6.29E-08	2.18E-08	2.07E-08	0.00E+00	4.24E-08
2314	480967.01	3768509.03	2.044E-07	9.22E-08	0.00E+00	2.97E-07	2.02E-07	1.34E-07	0.00E+00	3.36E-07	3.71E-08	2.28E-08	0.00E+00	6.00E-08	2.07E-08	1.97E-08	0.00E+00	4.05E-08
2315	480964.24	3768500.35	1.984E-07	8.95E-08	0.00E+00	2.88E-07	1.96E-07	1.30E-07	0.00E+00	3.27E-07	3.61E-08	2.22E-08	0.00E+00	5.82E-08	2.01E-08	1.91E-08	0.00E+00	3.93E-08
2316	480958.69	3768483.01	1.849E-07	8.34E-08	0.00E+00	2.68E-07	1.83E-07	1.21E-07	0.00E+00	3.04E-07	3.36E-08	2.07E-08	0.00E+00	5.43E-08	1.88E-08	1.78E-08	0.00E+00	3.66E-08
2317	481088.45	3768655.55	1.984E-07	8.95E-08	0.00E+00	2.88E-07	1.96E-07	1.30E-07	0.00E+00	3.26E-07	3.60E-08	2.22E-08	0.00E+00	5.82E-08	2.01E-08	1.91E-08	0.00E+00	3.93E-08
2318</																		

2387	480997.93	3768625.63	2.028E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.69E-08	2.27E-08	0.00E+00	5.95E-08	2.06E-08	1.96E-08	0.00E+00	4.01E-08
2388	480990.48	3768620.34	2.029E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.69E-08	2.27E-08	0.00E+00	5.96E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
2389	480983.03	3768615.06	2.025E-07	9.13E-08	0.00E+00	2.94E-07	2.00E-07	1.33E-07	0.00E+00	3.33E-07	3.68E-08	2.26E-08	0.00E+00	5.94E-08	2.05E-08	1.95E-08	0.00E+00	4.01E-08
2390	480975.58	3768609.77	2.015E-07	9.08E-08	0.00E+00	2.92E-07	1.99E-07	1.32E-07	0.00E+00	3.32E-07	3.66E-08	2.25E-08	0.00E+00	5.91E-08	2.04E-08	1.94E-08	0.00E+00	3.99E-08
2391	480965.35	3768595.78	2.02E-07	9.11E-08	0.00E+00	2.93E-07	2.00E-07	1.33E-07	0.00E+00	3.32E-07	3.67E-08	2.26E-08	0.00E+00	5.93E-08	2.05E-08	1.95E-08	0.00E+00	4.00E-08
2392	480962.57	3768587.08	2.034E-07	9.17E-08	0.00E+00	2.95E-07	2.01E-07	1.33E-07	0.00E+00	3.35E-07	3.70E-08	2.27E-08	0.00E+00	5.97E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
2393	480957	3768569.68	2.038E-07	9.19E-08	0.00E+00	2.96E-07	2.02E-07	1.34E-07	0.00E+00	3.35E-07	3.70E-08	2.28E-08	0.00E+00	5.98E-08	2.07E-08	1.97E-08	0.00E+00	4.03E-08
2394	480954.22	3768560.98	2.028E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.68E-08	2.27E-08	0.00E+00	5.95E-08	2.06E-08	1.96E-08	0.00E+00	4.01E-08
2395	480951.44	3768552.28	2.011E-07	9.07E-08	0.00E+00	2.92E-07	1.99E-07	1.32E-07	0.00E+00	3.31E-07	3.65E-08	2.25E-08	0.00E+00	5.90E-08	2.04E-08	1.94E-08	0.00E+00	3.98E-08
2396	480948.66	3768543.58	1.986E-07	8.96E-08	0.00E+00	2.88E-07	1.97E-07	1.30E-07	0.00E+00	3.27E-07	3.61E-08	2.22E-08	0.00E+00	5.83E-08	2.01E-08	1.92E-08	0.00E+00	3.93E-08
2397	480943.1	3768526.18	1.917E-07	8.65E-08	0.00E+00	2.78E-07	1.90E-07	1.26E-07	0.00E+00	3.16E-07	3.48E-08	2.14E-08	0.00E+00	5.63E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
2398	480940.31	3768517.48	1.873E-07	8.45E-08	0.00E+00	2.72E-07	1.85E-07	1.23E-07	0.00E+00	3.08E-07	3.40E-08	2.09E-08	0.00E+00	5.50E-08	1.90E-08	1.81E-08	0.00E+00	3.71E-08
2399	480937.53	3768508.77	1.824E-07	8.22E-08	0.00E+00	2.65E-07	1.80E-07	1.20E-07	0.00E+00	3.00E-07	3.31E-08	2.04E-08	0.00E+00	5.35E-08	1.85E-08	1.76E-08	0.00E+00	3.61E-08
2400	480934.75	3768500.07	1.77E-07	7.98E-08	0.00E+00	2.57E-07	1.75E-07	1.16E-07	0.00E+00	2.91E-07	3.22E-08	1.98E-08	0.00E+00	5.19E-08	1.80E-08	1.71E-08	0.00E+00	3.50E-08
2401	480931.97	3768491.37	1.711E-07	7.72E-08	0.00E+00	2.48E-07	1.69E-07	1.12E-07	0.00E+00	2.82E-07	3.11E-08	1.91E-08	0.00E+00	5.02E-08	1.74E-08	1.65E-08	0.00E+00	3.39E-08
2402	481079.87	3768683.79	1.613E-07	7.27E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.65E-07	2.93E-08	1.80E-08	0.00E+00	4.73E-08	1.64E-08	1.56E-08	0.00E+00	3.19E-08
2403	481088.97	3768686.56	1.575E-07	7.10E-08	0.00E+00	2.29E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	2.86E-08	1.76E-08	0.00E+00	4.62E-08	1.60E-08	1.52E-08	0.00E+00	3.12E-08
2404	481098.08	3768689.33	1.534E-07	6.92E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.79E-08	1.71E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
2405	481107.18	3768692.1	1.49E-07	6.72E-08	0.00E+00	2.16E-07	1.47E-07	9.78E-08	0.00E+00	2.45E-07	2.71E-08	1.66E-08	0.00E+00	4.37E-08	1.51E-08	1.44E-08	0.00E+00	2.95E-08
2406	481116.29	3768694.86	1.442E-07	6.50E-08	0.00E+00	2.09E-07	1.43E-07	9.46E-08	0.00E+00	2.37E-07	2.62E-08	1.61E-08	0.00E+00	4.23E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2407	481143.6	3768703.17	1.284E-07	5.79E-08	0.00E+00	1.86E-07	1.27E-07	8.42E-08	0.00E+00	2.11E-07	2.33E-08	1.43E-08	0.00E+00	3.77E-08	1.30E-08	1.24E-08	0.00E+00	2.54E-08
2408	481152.71	3768705.94	1.228E-07	5.54E-08	0.00E+00	1.78E-07	1.21E-07	8.06E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.60E-08	1.25E-08	1.18E-08	0.00E+00	2.43E-08
2409	481069.7	3768688.02	1.567E-07	7.07E-08	0.00E+00	2.57E-07	1.55E-07	1.03E-07	0.00E+00	2.58E-07	2.85E-08	1.75E-08	0.00E+00	4.60E-08	1.59E-08	1.51E-08	0.00E+00	3.10E-08
2410	481055.1	3768677.66	1.68E-07	7.58E-08	0.00E+00	2.44E-07	1.66E-07	1.10E-07	0.00E+00	2.76E-07	3.05E-08	1.88E-08	0.00E+00	4.93E-08	1.70E-08	1.62E-08	0.00E+00	3.32E-08
2411	481040.5	3768667.29	1.777E-07	8.01E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.92E-07	3.23E-08	1.99E-08	0.00E+00	5.21E-08	1.80E-08	1.71E-08	0.00E+00	3.52E-08
2412	481033.2	3768662.11	1.817E-07	8.20E-08	0.00E+00	2.64E-07	1.80E-07	1.19E-07	0.00E+00	2.99E-07	3.30E-08	2.03E-08	0.00E+00	5.33E-08	1.84E-08	1.75E-08	0.00E+00	3.60E-08
2413	481018.6	3768651.75	1.833E-07	8.49E-08	0.00E+00	2.73E-07	1.86E-07	1.24E-07	0.00E+00	3.10E-07	3.42E-08	2.10E-08	0.00E+00	5.53E-08	1.91E-08	1.82E-08	0.00E+00	3.73E-08
2414	481011.3	3768646.56	1.909E-07	8.61E-08	0.00E+00	2.77E-07	1.89E-07	1.25E-07	0.00E+00	3.14E-07	3.47E-08	2.13E-08	0.00E+00	5.60E-08	1.94E-08	1.84E-08	0.00E+00	3.78E-08
2415	480996.69	3768636.2	1.942E-07	8.76E-08	0.00E+00	2.82E-07	1.92E-07	1.27E-07	0.00E+00	3.20E-07	3.53E-08	2.17E-08	0.00E+00	5.70E-08	1.97E-08	1.87E-08	0.00E+00	3.84E-08
2416	480982.09	3768625.84	1.953E-07	8.81E-08	0.00E+00	2.83E-07	1.93E-07	1.28E-07	0.00E+00	3.21E-07	3.55E-08	2.18E-08	0.00E+00	5.73E-08	1.98E-08	1.88E-08	0.00E+00	3.87E-08
2417	480967.49	3768615.47	1.942E-07	8.76E-08	0.00E+00	2.82E-07	1.92E-07	1.27E-07	0.00E+00	3.20E-07	3.53E-08	2.17E-08	0.00E+00	5.70E-08	1.97E-08	1.87E-08	0.00E+00	3.84E-08
2418	480957.46	3768601.76	1.952E-07	8.80E-08	0.00E+00	2.83E-07	1.93E-07	1.28E-07	0.00E+00	3.21E-07	3.55E-08	2.18E-08	0.00E+00	5.73E-08	1.98E-08	1.88E-08	0.00E+00	3.86E-08
2419	480952.01	3768584.71	1.975E-07	8.91E-08	0.00E+00	2.87E-07	1.95E-07	1.30E-07	0.00E+00	3.25E-07	3.59E-08	2.21E-08	0.00E+00	5.80E-08	2.00E-08	1.91E-08	0.00E+00	3.91E-08
2420	480946.56	3768567.65	1.971E-07	8.89E-08	0.00E+00	2.86E-07	1.95E-07	1.29E-07	0.00E+00	3.24E-07	3.58E-08	2.20E-08	0.00E+00	5.78E-08	2.00E-08	1.90E-08	0.00E+00	3.90E-08
2421	480943.83	3768559.12	1.958E-07	8.83E-08	0.00E+00	2.84E-07	1.94E-07	1.29E-07	0.00E+00	3.22E-07	3.56E-08	2.19E-08	0.00E+00	5.75E-08	1.99E-08	1.89E-08	0.00E+00	3.88E-08
2422	480938.38	3768542.07	1.914E-07	8.63E-08	0.00E+00	2.78E-07	1.89E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.62E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
2423	480932.93	3768525.01	1.844E-07	8.32E-08	0.00E+00	2.68E-07	1.83E-07	1.21E-07	0.00E+00	3.04E-07	3.35E-08	2.06E-08	0.00E+00	5.41E-08	1.87E-08	1.78E-08	0.00E+00	3.65E-08
2424	480927.47	3768507.96	1.754E-07	7.91E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
2425	480922.02	3768490.9	1.648E-07	7.43E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	2.99E-08	1.84E-08	0.00E+00	4.84E-08	1.67E-08	1.59E-08	0.00E+00	3.26E-08
2426	481077	3768693.2	1.506E-07	6.79E-08	0.00E+00	2.18E-07	1.49E-07	9.88E-08	0.00E+00	2.48E-07	2.74E-08	1.68E-08	0.00E+00	4.42E-08	1.53E-08	1.45E-08	0.00E+00	2.98E-08
2427	481086.11	3768695.97	1.467E-07	6.62E-08	0.00E+00	2.13E-07	1.45E-07	9.63E-08	0.00E+00	2.41E-07	2.67E-08	1.64E-08	0.00E+00	4.31E-08	1.49E-08	1.42E-08	0.00E+00	2.90E-08
2428	481095.21	3768698.74	1.426E-07	6.43E-08	0.00E+00	2.07E-07	1.41E-07	9.36E-08	0.00E+00	2.35E-07	2.59E-08	1.59E-08	0.00E+00	4.19E-08	1.45E-08	1.38E-08	0.00E+00	2.82E-08
2429	481104.32	3768701.51	1.383E-07	6.24E-08	0.00E+00	2.01E-07	1.37E-07	9.07E-08	0.00E+00	2.28E-07	2.51E-08	1.55E-08	0.00E+00	4.06E-08	1.40E-08	1.33E-08	0.00E+00	2.74E-08
2430	481113.42	3768704.28	1.336E-07	6.03E-08	0.00E+00	1.94E-07	1.32E-07	8.77E-08	0.00E+00	2.20E-07	2.43E-08	1.49E-08	0.00E+00	3.92E-08	1.36E-08	1.29E-08	0.00E+00	2.64E-08
2431	481122.53	3768707.05	1.288E-07	5.81E-08	0.00E+00	1.87E-07	1.27E-07	8.45E-08	0.00E+00	2.12E-07	2.34E-08	1.44E-08	0.00E+00	3.78E-08	1.31E-08	1.24E-08	0.00E+00	2.55E-08
2432	481149.84	3768715.35	1.132E-07	5.10E-08	0.00E+00	1.64E-07	1.12E-07	7.43E-08	0.00E+00	1.86E-07	2.06E-08	1.26E-08	0.00E+00	3.32E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
2433	481066.52	3768697.21	1.468E-07	6.62E-08	0.00E+00	2.13E-07	1.45E-07	9.63E-08	0.00E+00	2.42E-07	2.67E-08	1.64E-08	0.00E+00	4.31E-08	1.49E-08	1.42E-08	0.00E+00	2.90E-08
2434	481058.9	3768691.8	1.527E-07	6.89E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.51E-07	2.77E-08	1.71E-08	0.00E+00	4.48E-08	1.55E-08	1.47E-08	0.00E+00	3.02E-08
2435	481051.29	3768686.39	1.584E-07	7.14E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.65E-08	1.61E-08	1.53E-08	0.00E+00	3.13E-08
2436	481043.6																	

2505	481107.7	3768723.1	1.15E-07	5.19E-08	0.00E+00	1.67E-07	1.14E-07	7.55E-08	0.00E+00	1.89E-07	2.09E-08	1.29E-08	0.00E+00	3.37E-08	1.17E-08	1.11E-08	0.00E+00	2.28E-08
2506	481116.8	3768725.87	1.105E-07	4.99E-08	0.00E+00	1.60E-07	1.09E-07	7.25E-08	0.00E+00	1.82E-07	2.01E-08	1.24E-08	0.00E+00	3.24E-08	1.12E-08	1.07E-08	0.00E+00	2.19E-08
2507	481061.08	3768716.23	1.282E-07	5.78E-08	0.00E+00	1.86E-07	1.27E-07	8.41E-08	0.00E+00	2.11E-07	2.33E-08	1.43E-08	0.00E+00	3.76E-08	1.30E-08	1.24E-08	0.00E+00	2.54E-08
2508	481053.74	3768711.03	1.336E-07	6.03E-08	0.00E+00	1.94E-07	1.32E-07	8.77E-08	0.00E+00	2.20E-07	2.43E-08	1.49E-08	0.00E+00	3.92E-08	1.36E-08	1.29E-08	0.00E+00	2.64E-08
2509	481046.41	3768705.82	1.389E-07	6.26E-08	0.00E+00	2.02E-07	1.37E-07	9.11E-08	0.00E+00	2.29E-07	2.52E-08	1.55E-08	0.00E+00	4.08E-08	1.41E-08	1.34E-08	0.00E+00	2.75E-08
2510	481039.07	3768700.61	1.44E-07	6.49E-08	0.00E+00	2.09E-07	1.42E-07	9.45E-08	0.00E+00	2.37E-07	2.62E-08	1.61E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2511	481024.4	3768690.2	1.532E-07	6.91E-08	0.00E+00	2.22E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.78E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.48E-08	0.00E+00	3.03E-08
2512	481017.06	3768684.99	1.572E-07	7.09E-08	0.00E+00	2.28E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	2.86E-08	1.76E-08	0.00E+00	4.61E-08	1.59E-08	1.52E-08	0.00E+00	3.11E-08
2513	481009.73	3768679.79	1.609E-07	7.26E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2514	481002.39	3768674.58	1.642E-07	7.41E-08	0.00E+00	2.38E-07	1.62E-07	1.08E-07	0.00E+00	2.70E-07	2.98E-08	1.84E-08	0.00E+00	4.82E-08	1.67E-08	1.58E-08	0.00E+00	3.25E-08
2515	480995.06	3768669.37	1.671E-07	7.54E-08	0.00E+00	2.42E-07	1.65E-07	1.10E-07	0.00E+00	2.75E-07	3.04E-08	1.87E-08	0.00E+00	4.90E-08	1.70E-08	1.61E-08	0.00E+00	3.31E-08
2516	480980.38	3768658.96	1.716E-07	7.74E-08	0.00E+00	2.49E-07	1.70E-07	1.13E-07	0.00E+00	2.82E-07	3.12E-08	1.92E-08	0.00E+00	5.04E-08	1.74E-08	1.66E-08	0.00E+00	3.40E-08
2517	480973.05	3768653.75	1.732E-07	7.81E-08	0.00E+00	2.51E-07	1.71E-07	1.14E-07	0.00E+00	2.85E-07	3.15E-08	1.94E-08	0.00E+00	5.08E-08	1.76E-08	1.67E-08	0.00E+00	3.43E-08
2518	480965.71	3768648.54	1.744E-07	7.86E-08	0.00E+00	2.53E-07	1.73E-07	1.14E-07	0.00E+00	2.87E-07	3.17E-08	1.95E-08	0.00E+00	5.12E-08	1.77E-08	1.68E-08	0.00E+00	3.45E-08
2519	480958.37	3768643.34	1.75E-07	7.89E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.18E-08	1.96E-08	0.00E+00	5.13E-08	1.77E-08	1.69E-08	0.00E+00	3.46E-08
2520	480943.7	3768632.92	1.75E-07	7.89E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.18E-08	1.96E-08	0.00E+00	5.13E-08	1.77E-08	1.69E-08	0.00E+00	3.46E-08
2521	480933.63	3768619.15	1.768E-07	7.97E-08	0.00E+00	2.57E-07	1.75E-07	1.16E-07	0.00E+00	2.91E-07	3.21E-08	1.98E-08	0.00E+00	5.19E-08	1.79E-08	1.71E-08	0.00E+00	3.50E-08
2522	480930.89	3768610.58	1.786E-07	8.05E-08	0.00E+00	2.59E-07	1.77E-07	1.17E-07	0.00E+00	2.94E-07	3.24E-08	2.00E-08	0.00E+00	5.24E-08	1.81E-08	1.72E-08	0.00E+00	3.53E-08
2523	480925.41	3768593.44	1.805E-07	8.14E-08	0.00E+00	2.62E-07	1.79E-07	1.18E-07	0.00E+00	2.97E-07	3.28E-08	2.02E-08	0.00E+00	5.30E-08	1.83E-08	1.74E-08	0.00E+00	3.57E-08
2524	480922.67	3768584.87	1.806E-07	8.14E-08	0.00E+00	2.62E-07	1.79E-07	1.19E-07	0.00E+00	2.97E-07	3.28E-08	2.02E-08	0.00E+00	5.30E-08	1.83E-08	1.74E-08	0.00E+00	3.57E-08
2525	480917.19	3768567.73	1.791E-07	8.08E-08	0.00E+00	2.60E-07	1.77E-07	1.18E-07	0.00E+00	2.95E-07	3.25E-08	2.00E-08	0.00E+00	5.26E-08	1.82E-08	1.73E-08	0.00E+00	3.54E-08
2526	480911.71	3768550.6	1.754E-07	7.91E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
2527	480906.23	3768533.46	1.698E-07	7.66E-08	0.00E+00	2.46E-07	1.68E-07	1.11E-07	0.00E+00	2.79E-07	3.08E-08	1.90E-08	0.00E+00	4.98E-08	1.72E-08	1.64E-08	0.00E+00	3.36E-08
2528	480900.75	3768516.32	1.623E-07	7.32E-08	0.00E+00	2.35E-07	1.61E-07	1.06E-07	0.00E+00	2.67E-07	2.95E-08	1.81E-08	0.00E+00	4.76E-08	1.65E-08	1.57E-08	0.00E+00	3.21E-08
2529	480895.27	3768499.18	1.533E-07	6.91E-08	0.00E+00	2.22E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	2.79E-08	1.71E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.03E-08
2530	480892.53	3768490.61	1.484E-07	6.69E-08	0.00E+00	2.15E-07	1.47E-07	9.74E-08	0.00E+00	2.44E-07	2.70E-08	1.66E-08	0.00E+00	4.35E-08	1.51E-08	1.43E-08	0.00E+00	2.94E-08
2531	481068.42	3768721.44	1.226E-07	5.53E-08	0.00E+00	1.78E-07	1.21E-07	8.04E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.60E-08	1.24E-08	1.18E-08	0.00E+00	2.43E-08
2532	481077.52	3768724.21	1.189E-07	5.36E-08	0.00E+00	1.72E-07	1.18E-07	7.80E-08	0.00E+00	1.96E-07	2.16E-08	1.33E-08	0.00E+00	3.49E-08	1.21E-08	1.15E-08	0.00E+00	2.35E-08
2533	481086.63	3768726.98	1.15E-07	5.18E-08	0.00E+00	1.67E-07	1.14E-07	7.54E-08	0.00E+00	1.89E-07	2.09E-08	1.28E-08	0.00E+00	3.37E-08	1.17E-08	1.11E-08	0.00E+00	2.28E-08
2534	481095.73	3768729.75	1.109E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.21E-08
2535	481104.84	3768732.52	1.068E-07	4.82E-08	0.00E+00	1.55E-07	1.06E-07	7.01E-08	0.00E+00	1.76E-07	1.94E-08	1.19E-08	0.00E+00	3.13E-08	1.08E-08	1.03E-08	0.00E+00	2.10E-08
2536	481113.94	3768735.29	1.025E-07	4.62E-08	0.00E+00	1.49E-07	1.01E-07	6.73E-08	0.00E+00	1.69E-07	1.86E-08	1.15E-08	0.00E+00	3.01E-08	1.04E-08	9.89E-09	0.00E+00	2.03E-08
2537	481057.94	3768725.45	1.201E-07	5.42E-08	0.00E+00	1.74E-07	1.19E-07	7.88E-08	0.00E+00	1.98E-07	2.18E-08	1.34E-08	0.00E+00	3.52E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
2538	481050.32	3768720.04	1.256E-07	5.66E-08	0.00E+00	1.82E-07	1.24E-07	8.24E-08	0.00E+00	2.07E-07	2.27E-08	1.40E-08	0.00E+00	3.69E-08	1.27E-08	1.21E-08	0.00E+00	2.49E-08
2539	481042.7	3768714.63	1.309E-07	5.90E-08	0.00E+00	1.90E-07	1.30E-07	8.59E-08	0.00E+00	2.15E-07	2.38E-08	1.46E-08	0.00E+00	3.84E-08	1.33E-08	1.26E-08	0.00E+00	2.59E-08
2540	481035.08	3768709.23	1.36E-07	6.13E-08	0.00E+00	1.97E-07	1.35E-07	8.93E-08	0.00E+00	2.24E-07	2.47E-08	1.52E-08	0.00E+00	3.99E-08	1.38E-08	1.31E-08	0.00E+00	2.69E-08
2541	481027.46	3768703.82	1.409E-07	6.35E-08	0.00E+00	2.04E-07	1.39E-07	9.25E-08	0.00E+00	2.32E-07	2.56E-08	1.57E-08	0.00E+00	4.13E-08	1.43E-08	1.36E-08	0.00E+00	2.79E-08
2542	481019.84	3768698.41	1.454E-07	6.56E-08	0.00E+00	2.11E-07	1.44E-07	9.54E-08	0.00E+00	2.39E-07	2.64E-08	1.63E-08	0.00E+00	4.27E-08	1.48E-08	1.40E-08	0.00E+00	2.88E-08
2543	481012.23	3768693	1.497E-07	6.75E-08	0.00E+00	2.17E-07	1.48E-07	9.82E-08	0.00E+00	2.46E-07	2.72E-08	1.67E-08	0.00E+00	4.39E-08	1.52E-08	1.44E-08	0.00E+00	2.96E-08
2544	481004.61	3768687.6	1.535E-07	6.92E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
2545	480996.99	3768682.19	1.57E-07	7.08E-08	0.00E+00	2.28E-07	1.55E-07	1.03E-07	0.00E+00	2.58E-07	2.85E-08	1.75E-08	0.00E+00	4.61E-08	1.59E-08	1.51E-08	0.00E+00	3.11E-08
2546	480989.37	3768676.78	1.601E-07	7.22E-08	0.00E+00	2.32E-07	1.58E-07	1.05E-07	0.00E+00	2.63E-07	2.91E-08	1.79E-08	0.00E+00	4.70E-08	1.62E-08	1.54E-08	0.00E+00	3.17E-08
2547	480981.75	3768671.37	1.627E-07	7.34E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
2548	480974.13	3768665.97	1.65E-07	7.44E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	3.00E-08	1.84E-08	0.00E+00	4.84E-08	1.67E-08	1.59E-08	0.00E+00	3.26E-08
2549	480966.52	3768660.56	1.667E-07	7.52E-08	0.00E+00	2.42E-07	1.65E-07	1.09E-07	0.00E+00	2.74E-07	3.03E-08	1.86E-08	0.00E+00	4.89E-08	1.69E-08	1.61E-08	0.00E+00	3.30E-08
2550	480958.9	3768655.15	1.68E-07	7.57E-08	0.00E+00	2.44E-07	1.66E-07	1.10E-07	0.00E+00	2.76E-07	3.05E-08	1.88E-08	0.00E+00	4.93E-08	1.70E-08	1.62E-08	0.00E+00	3.32E-08
2551	480951.28	3768649.75	1.688E-07	7.61E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.95E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
2552	480943.66	3768644.34	1.692E-07	7.63E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.96E-08	1.72E-08	1.63E-08	0.00E+00	3.35E-08
2553	480936.04	3768638.93	1.692E-07	7.63E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.96E-08	1.72E-08	1.63E-08	0.00E+00	3.35E-08
2554	480925																	

2623	480920.29	3768650.64	1.584E-07	7.14E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.88E-08	1.77E-08	0.00E+00	4.65E-08	1.61E-08	1.53E-08	0.00E+00	3.13E-08
2624	480909.65	3768636.09	1.608E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2625	480906.75	3768627.03	1.629E-07	7.35E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
2626	480903.86	3768617.98	1.645E-07	7.42E-08	0.00E+00	2.39E-07	1.63E-07	1.08E-07	0.00E+00	2.71E-07	2.99E-08	1.84E-08	0.00E+00	4.83E-08	1.67E-08	1.59E-08	0.00E+00	3.25E-08
2627	480900.96	3768608.92	1.655E-07	7.46E-08	0.00E+00	2.40E-07	1.64E-07	1.09E-07	0.00E+00	2.72E-07	3.01E-08	1.85E-08	0.00E+00	4.86E-08	1.68E-08	1.60E-08	0.00E+00	3.27E-08
2628	480898.07	3768599.87	1.66E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.02E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
2629	480895.17	3768590.81	1.659E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
2630	480892.28	3768581.76	1.654E-07	7.46E-08	0.00E+00	2.40E-07	1.64E-07	1.09E-07	0.00E+00	2.72E-07	3.00E-08	1.85E-08	0.00E+00	4.85E-08	1.68E-08	1.60E-08	0.00E+00	3.27E-08
2631	480889.38	3768572.7	1.643E-07	7.41E-08	0.00E+00	2.38E-07	1.63E-07	1.08E-07	0.00E+00	2.70E-07	2.99E-08	1.84E-08	0.00E+00	4.82E-08	1.67E-08	1.59E-08	0.00E+00	3.25E-08
2632	480886.49	3768563.65	1.627E-07	7.34E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.22E-08
2633	480883.59	3768554.6	1.606E-07	7.24E-08	0.00E+00	2.33E-07	1.59E-07	1.05E-07	0.00E+00	2.64E-07	2.92E-08	1.80E-08	0.00E+00	4.71E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2634	480880.7	3768545.54	1.581E-07	7.13E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.77E-08	0.00E+00	4.64E-08	1.60E-08	1.53E-08	0.00E+00	3.13E-08
2635	480877.8	3768536.49	1.551E-07	6.99E-08	0.00E+00	2.25E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.82E-08	1.73E-08	0.00E+00	4.55E-08	1.57E-08	1.50E-08	0.00E+00	3.07E-08
2636	480874.91	3768527.43	1.517E-07	6.84E-08	0.00E+00	2.20E-07	1.50E-07	9.95E-08	0.00E+00	2.50E-07	2.76E-08	1.70E-08	0.00E+00	4.45E-08	1.54E-08	1.46E-08	0.00E+00	3.00E-08
2637	480872.01	3768518.38	1.479E-07	6.67E-08	0.00E+00	2.15E-07	1.46E-07	9.71E-08	0.00E+00	2.43E-07	2.69E-08	1.65E-08	0.00E+00	4.34E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
2638	480869.12	3768509.32	1.439E-07	6.49E-08	0.00E+00	2.09E-07	1.42E-07	9.44E-08	0.00E+00	2.37E-07	2.61E-08	1.61E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2639	480866.22	3768500.27	1.395E-07	6.29E-08	0.00E+00	2.02E-07	1.38E-07	9.15E-08	0.00E+00	2.30E-07	2.53E-08	1.56E-08	0.00E+00	4.09E-08	1.41E-08	1.35E-08	0.00E+00	2.76E-08
2640	480863.33	3768491.21	1.348E-07	6.08E-08	0.00E+00	1.96E-07	1.33E-07	8.85E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2641	480860.44	3768482.16	1.299E-07	5.86E-08	0.00E+00	1.88E-07	1.29E-07	8.52E-08	0.00E+00	2.14E-07	2.36E-08	1.45E-08	0.00E+00	3.81E-08	1.32E-08	1.25E-08	0.00E+00	2.57E-08
2642	481096.25	3768760.76	8.597E-08	3.88E-08	0.00E+00	1.25E-07	8.51E-08	5.64E-08	0.00E+00	1.41E-07	1.56E-08	9.61E-09	0.00E+00	2.52E-08	8.72E-09	8.29E-09	0.00E+00	1.70E-08
2643	481105.35	3768763.52	8.233E-08	3.71E-08	0.00E+00	1.19E-07	8.15E-08	5.40E-08	0.00E+00	1.35E-07	1.50E-08	9.20E-09	0.00E+00	2.42E-08	8.35E-09	7.94E-09	0.00E+00	1.63E-08
2644	481114.46	3768766.29	7.867E-08	3.55E-08	0.00E+00	1.14E-07	7.78E-08	5.16E-08	0.00E+00	1.29E-07	1.43E-08	8.79E-09	0.00E+00	2.31E-08	7.98E-09	7.59E-09	0.00E+00	1.56E-08
2645	481018.88	3768732.06	1.175E-07	5.30E-08	0.00E+00	1.71E-07	1.16E-07	7.71E-08	0.00E+00	1.93E-07	1.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
2646	481011.26	3768726.65	1.219E-07	5.50E-08	0.00E+00	1.77E-07	1.21E-07	8.00E-08	0.00E+00	2.01E-07	1.22E-08	1.36E-08	0.00E+00	3.58E-08	1.24E-08	1.18E-08	0.00E+00	2.41E-08
2647	481003.64	3768721.24	1.262E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.28E-08	0.00E+00	2.08E-07	1.22E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
2648	480996.02	3768715.84	1.302E-07	5.87E-08	0.00E+00	1.89E-07	1.29E-07	8.54E-08	0.00E+00	2.14E-07	1.23E-08	1.45E-08	0.00E+00	3.82E-08	1.32E-08	1.26E-08	0.00E+00	2.58E-08
2649	480988.4	3768710.43	1.339E-07	6.04E-08	0.00E+00	1.94E-07	1.33E-07	8.79E-08	0.00E+00	2.20E-07	1.24E-08	1.50E-08	0.00E+00	3.93E-08	1.36E-08	1.29E-08	0.00E+00	2.65E-08
2650	480980.78	3768705.02	1.374E-07	6.20E-08	0.00E+00	1.99E-07	1.36E-07	9.02E-08	0.00E+00	2.26E-07	1.25E-08	1.54E-08	0.00E+00	4.03E-08	1.39E-08	1.33E-08	0.00E+00	2.72E-08
2651	480973.17	3768699.61	1.406E-07	6.34E-08	0.00E+00	2.04E-07	1.39E-07	9.23E-08	0.00E+00	2.31E-07	1.25E-08	1.57E-08	0.00E+00	4.13E-08	1.43E-08	1.36E-08	0.00E+00	2.78E-08
2652	480965.55	3768694.21	1.434E-07	6.47E-08	0.00E+00	2.08E-07	1.42E-07	9.41E-08	0.00E+00	2.36E-07	1.26E-08	1.60E-08	0.00E+00	4.21E-08	1.45E-08	1.38E-08	0.00E+00	2.84E-08
2653	480957.93	3768688.8	1.459E-07	6.58E-08	0.00E+00	2.12E-07	1.44E-07	9.57E-08	0.00E+00	2.40E-07	1.26E-08	1.63E-08	0.00E+00	4.28E-08	1.48E-08	1.41E-08	0.00E+00	2.89E-08
2654	480950.31	3768683.39	1.48E-07	6.67E-08	0.00E+00	2.15E-07	1.46E-07	9.71E-08	0.00E+00	2.44E-07	1.26E-08	1.65E-08	0.00E+00	4.34E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
2655	480942.69	3768677.99	1.498E-07	6.75E-08	0.00E+00	2.17E-07	1.48E-07	9.83E-08	0.00E+00	2.46E-07	1.27E-08	1.67E-08	0.00E+00	4.39E-08	1.52E-08	1.44E-08	0.00E+00	2.96E-08
2656	480935.07	3768672.58	1.512E-07	6.82E-08	0.00E+00	2.19E-07	1.50E-07	9.92E-08	0.00E+00	2.49E-07	1.27E-08	1.69E-08	0.00E+00	4.44E-08	1.53E-08	1.46E-08	0.00E+00	2.99E-08
2657	480927.46	3768667.17	1.523E-07	6.87E-08	0.00E+00	2.21E-07	1.51E-07	9.99E-08	0.00E+00	2.51E-07	1.27E-08	1.70E-08	0.00E+00	4.47E-08	1.54E-08	1.47E-08	0.00E+00	3.01E-08
2658	480919.84	3768661.76	1.53E-07	6.90E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.52E-07	1.27E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.48E-08	0.00E+00	3.03E-08
2659	480912.22	3768656.36	1.533E-07	6.91E-08	0.00E+00	2.22E-07	1.52E-07	1.01E-07	0.00E+00	2.52E-07	1.27E-08	1.71E-08	0.00E+00	4.50E-08	1.56E-08	1.48E-08	0.00E+00	3.03E-08
2660	480901.76	3768642.05	1.558E-07	7.03E-08	0.00E+00	2.26E-07	1.54E-07	1.02E-07	0.00E+00	2.56E-07	1.28E-08	1.74E-08	0.00E+00	4.57E-08	1.58E-08	1.50E-08	0.00E+00	3.08E-08
2661	480898.91	3768633.15	1.579E-07	7.12E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	1.28E-08	1.76E-08	0.00E+00	4.63E-08	1.60E-08	1.52E-08	0.00E+00	3.13E-08
2662	480896.07	3768624.25	1.596E-07	7.20E-08	0.00E+00	2.32E-07	1.58E-07	1.05E-07	0.00E+00	2.63E-07	1.29E-08	1.78E-08	0.00E+00	4.68E-08	1.62E-08	1.54E-08	0.00E+00	3.16E-08
2663	480893.22	3768615.36	1.607E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.05E-07	0.00E+00	2.65E-07	1.29E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2664	480890.38	3768606.46	1.614E-07	7.28E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	1.29E-08	1.80E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.19E-08
2665	480887.53	3768597.56	1.616E-07	7.29E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	1.29E-08	1.81E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.20E-08
2666	480884.69	3768588.66	1.613E-07	7.27E-08	0.00E+00	2.34E-07	1.60E-07	1.06E-07	0.00E+00	2.65E-07	1.29E-08	1.80E-08	0.00E+00	4.73E-08	1.64E-08	1.56E-08	0.00E+00	3.19E-08
2667	480881.84	3768579.76	1.605E-07	7.24E-08	0.00E+00	2.33E-07	1.59E-07	1.05E-07	0.00E+00	2.64E-07	1.29E-08	1.79E-08	0.00E+00	4.71E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
2668	480879	3768570.86	1.593E-07	7.18E-08	0.00E+00	2.31E-07	1.58E-07	1.05E-07	0.00E+00	2.62E-07	1.29E-08	1.78E-08	0.00E+00	4.67E-08	1.62E-08	1.54E-08	0.00E+00	3.15E-08
2669	480876.15	3768561.96	1.576E-07	7.11E-08	0.00E+00	2.29E-07	1.56E-07	1.03E-07	0.00E+00	2.59E-07	1.28E-08	1.76E-08	0.00E+00	4.62E-08	1.60E-08	1.52E-08	0.00E+00	3.12E-08
2670	480873.31	3768553.07	1.554E-07	7.01E-08	0.00E+00	2.25E-07	1.54E-07	1.02E-07	0.00E+00	2.56E-07	1.28E-08	1.74E-08	0.00E+00	4.56E-08	1.58E-08	1.50E-08	0.00E+00	3.08E-08
2671	480870.46	3768544.17	1.528E-07	6.89E-08	0.00E+00	2.22E-07	1.51E-07	1.00E-07	0.00E+00	2.52E-07	1.27E-08	1.71E-08	0.00E+00	4.49E-08	1.55E-08	1.47E-08	0.00E+00	3.02E-08
2672</																		

2741	480925.08	3768711.82	1.273E-07	5.74E-08	0.00E+00	1.85E-07	1.26E-07	8.35E-08	0.00E+00	2.09E-07	2.31E-08	1.42E-08	0.00E+00	3.74E-08	1.29E-08	1.23E-08	0.00E+00	2.52E-08
2742	480917.56	3768706.49	1.293E-07	5.83E-08	0.00E+00	1.88E-07	1.28E-07	8.48E-08	0.00E+00	2.13E-07	2.35E-08	1.44E-08	0.00E+00	3.79E-08	1.31E-08	1.25E-08	0.00E+00	2.56E-08
2743	480910.04	3768701.15	1.31E-07	5.91E-08	0.00E+00	1.90E-07	1.30E-07	8.60E-08	0.00E+00	2.16E-07	2.38E-08	1.46E-08	0.00E+00	3.84E-08	1.33E-08	1.26E-08	0.00E+00	2.59E-08
2744	480902.52	3768695.81	1.324E-07	5.97E-08	0.00E+00	1.92E-07	1.31E-07	8.69E-08	0.00E+00	2.18E-07	2.41E-08	1.48E-08	0.00E+00	3.89E-08	1.34E-08	1.28E-08	0.00E+00	2.62E-08
2745	480895	3768690.48	1.336E-07	6.02E-08	0.00E+00	1.94E-07	1.32E-07	8.76E-08	0.00E+00	2.20E-07	2.43E-08	1.49E-08	0.00E+00	3.92E-08	1.35E-08	1.29E-08	0.00E+00	2.64E-08
2746	480887.48	3768685.14	1.344E-07	6.06E-08	0.00E+00	1.95E-07	1.33E-07	8.82E-08	0.00E+00	2.21E-07	2.44E-08	1.50E-08	0.00E+00	3.94E-08	1.36E-08	1.30E-08	0.00E+00	2.66E-08
2747	480879.96	3768679.8	1.35E-07	6.09E-08	0.00E+00	1.96E-07	1.34E-07	8.86E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2748	480869.64	3768665.69	1.379E-07	6.22E-08	0.00E+00	2.00E-07	1.36E-07	9.05E-08	0.00E+00	2.27E-07	2.51E-08	1.54E-08	0.00E+00	4.05E-08	1.40E-08	1.33E-08	0.00E+00	2.73E-08
2749	480866.83	3768656.9	1.4E-07	6.32E-08	0.00E+00	2.03E-07	1.39E-07	9.19E-08	0.00E+00	2.30E-07	2.54E-08	1.57E-08	0.00E+00	4.11E-08	1.42E-08	1.35E-08	0.00E+00	2.77E-08
2750	480864.02	3768648.12	1.419E-07	6.40E-08	0.00E+00	2.06E-07	1.40E-07	9.31E-08	0.00E+00	2.33E-07	2.58E-08	1.59E-08	0.00E+00	4.16E-08	1.44E-08	1.37E-08	0.00E+00	2.81E-08
2751	480861.21	3768639.34	1.434E-07	6.47E-08	0.00E+00	2.08E-07	1.42E-07	9.41E-08	0.00E+00	2.36E-07	2.60E-08	1.60E-08	0.00E+00	4.21E-08	1.45E-08	1.38E-08	0.00E+00	2.84E-08
2752	480858.41	3768630.56	1.445E-07	6.52E-08	0.00E+00	2.10E-07	1.43E-07	9.48E-08	0.00E+00	2.38E-07	2.63E-08	1.61E-08	0.00E+00	4.24E-08	1.47E-08	1.39E-08	0.00E+00	2.86E-08
2753	480855.6	3768621.77	1.453E-07	6.55E-08	0.00E+00	2.11E-07	1.44E-07	9.53E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
2754	480852.79	3768612.99	1.456E-07	6.57E-08	0.00E+00	2.11E-07	1.44E-07	9.55E-08	0.00E+00	2.40E-07	2.65E-08	1.63E-08	0.00E+00	4.27E-08	1.48E-08	1.40E-08	0.00E+00	2.88E-08
2755	480849.98	3768604.21	1.455E-07	6.56E-08	0.00E+00	2.11E-07	1.44E-07	9.55E-08	0.00E+00	2.39E-07	2.64E-08	1.63E-08	0.00E+00	4.27E-08	1.48E-08	1.40E-08	0.00E+00	2.88E-08
2756	480847.18	3768595.43	1.451E-07	6.54E-08	0.00E+00	2.10E-07	1.44E-07	9.52E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
2757	480844.37	3768586.65	1.442E-07	6.50E-08	0.00E+00	2.09E-07	1.43E-07	9.46E-08	0.00E+00	2.37E-07	2.62E-08	1.61E-08	0.00E+00	4.23E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
2758	480841.56	3768577.86	1.431E-07	6.45E-08	0.00E+00	2.08E-07	1.42E-07	9.39E-08	0.00E+00	2.35E-07	2.60E-08	1.60E-08	0.00E+00	4.20E-08	1.45E-08	1.38E-08	0.00E+00	2.83E-08
2759	480838.75	3768569.08	1.416E-07	6.38E-08	0.00E+00	2.05E-07	1.40E-07	9.29E-08	0.00E+00	2.33E-07	2.57E-08	1.58E-08	0.00E+00	4.15E-08	1.44E-08	1.37E-08	0.00E+00	2.80E-08
2760	480835.94	3768560.3	1.397E-07	6.30E-08	0.00E+00	2.03E-07	1.38E-07	9.17E-08	0.00E+00	2.30E-07	2.54E-08	1.56E-08	0.00E+00	4.10E-08	1.42E-08	1.35E-08	0.00E+00	2.76E-08
2761	480833.14	3768551.52	1.375E-07	6.20E-08	0.00E+00	2.00E-07	1.36E-07	9.03E-08	0.00E+00	2.26E-07	2.50E-08	1.54E-08	0.00E+00	4.04E-08	1.40E-08	1.33E-08	0.00E+00	2.72E-08
2762	480830.33	3768542.74	1.351E-07	6.09E-08	0.00E+00	1.96E-07	1.34E-07	8.86E-08	0.00E+00	2.22E-07	2.45E-08	1.51E-08	0.00E+00	3.96E-08	1.37E-08	1.30E-08	0.00E+00	2.67E-08
2763	480827.52	3768533.95	1.323E-07	5.97E-08	0.00E+00	1.92E-07	1.31E-07	8.68E-08	0.00E+00	2.18E-07	2.40E-08	1.48E-08	0.00E+00	3.88E-08	1.34E-08	1.28E-08	0.00E+00	2.62E-08
2764	480824.71	3768525.17	1.293E-07	5.83E-08	0.00E+00	1.88E-07	1.28E-07	8.48E-08	0.00E+00	2.13E-07	2.35E-08	1.44E-08	0.00E+00	3.79E-08	1.31E-08	1.25E-08	0.00E+00	2.56E-08
2765	480821.91	3768516.39	1.26E-07	5.68E-08	0.00E+00	1.83E-07	1.25E-07	8.27E-08	0.00E+00	2.07E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.49E-08
2766	480819.1	3768507.61	1.225E-07	5.52E-08	0.00E+00	1.78E-07	1.21E-07	8.04E-08	0.00E+00	2.02E-07	2.23E-08	1.37E-08	0.00E+00	3.59E-08	1.24E-08	1.18E-08	0.00E+00	2.42E-08
2767	480816.29	3768498.82	1.188E-07	5.36E-08	0.00E+00	1.72E-07	1.18E-07	7.80E-08	0.00E+00	1.96E-07	2.16E-08	1.33E-08	0.00E+00	3.49E-08	1.20E-08	1.15E-08	0.00E+00	2.35E-08
2768	480813.48	3768490.04	1.149E-07	5.18E-08	0.00E+00	1.67E-07	1.14E-07	7.54E-08	0.00E+00	1.89E-07	2.09E-08	1.28E-08	0.00E+00	3.37E-08	1.17E-08	1.11E-08	0.00E+00	2.27E-08
2769	480810.67	3768481.26	1.11E-07	5.00E-08	0.00E+00	1.61E-07	1.10E-07	7.28E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
2770	481045.38	3768797.21	7.191E-08	3.24E-08	0.00E+00	1.04E-07	7.12E-08	4.72E-08	0.00E+00	1.18E-07	1.31E-08	8.04E-09	0.00E+00	2.11E-08	7.29E-09	6.94E-09	0.00E+00	1.42E-08
2771	481054.48	3768799.98	6.915E-08	3.12E-08	0.00E+00	1.00E-07	6.84E-08	4.54E-08	0.00E+00	1.14E-07	1.26E-08	7.73E-09	0.00E+00	2.03E-08	7.01E-09	6.67E-09	0.00E+00	1.37E-08
2772	481063.59	3768802.75	6.638E-08	2.99E-08	0.00E+00	9.63E-08	6.57E-08	4.36E-08	0.00E+00	1.09E-07	1.21E-08	7.42E-09	0.00E+00	1.95E-08	6.73E-09	6.40E-09	0.00E+00	1.31E-08
2773	481072.69	3768805.52	6.36E-08	2.87E-08	0.00E+00	9.23E-08	6.29E-08	4.17E-08	0.00E+00	1.05E-07	1.16E-08	7.11E-09	0.00E+00	1.87E-08	6.45E-09	6.14E-09	0.00E+00	1.26E-08
2774	481081.8	3768808.28	6.083E-08	2.74E-08	0.00E+00	8.83E-08	6.02E-08	3.99E-08	0.00E+00	1.00E-07	1.11E-08	6.80E-09	0.00E+00	1.79E-08	6.17E-09	5.87E-09	0.00E+00	1.20E-08
2775	481090.9	3768811.05	5.809E-08	2.62E-08	0.00E+00	8.43E-08	5.75E-08	3.81E-08	0.00E+00	9.56E-08	1.06E-08	6.49E-09	0.00E+00	1.70E-08	5.89E-09	5.60E-09	0.00E+00	1.15E-08
2776	481100.01	3768813.82	5.541E-08	2.50E-08	0.00E+00	8.04E-08	5.48E-08	3.64E-08	0.00E+00	9.12E-08	1.01E-08	6.19E-09	0.00E+00	1.63E-08	5.62E-09	5.35E-09	0.00E+00	1.10E-08
2777	481109.11	3768816.59	5.277E-08	2.38E-08	0.00E+00	7.66E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.59E-09	5.90E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
2778	481118.22	3768819.36	5.019E-08	2.26E-08	0.00E+00	7.28E-08	4.97E-08	3.29E-08	0.00E+00	8.26E-08	9.12E-09	5.61E-09	0.00E+00	1.47E-08	5.09E-09	4.84E-09	0.00E+00	9.93E-09
2779	481029.11	3768820.56	6.269E-08	2.83E-08	0.00E+00	9.10E-08	6.20E-08	4.11E-08	0.00E+00	1.03E-07	1.14E-08	7.01E-09	0.00E+00	1.84E-08	6.36E-09	6.05E-09	0.00E+00	1.24E-08
2780	481021.57	3768815.21	6.607E-08	2.98E-08	0.00E+00	9.59E-08	6.54E-08	4.34E-08	0.00E+00	1.09E-07	1.20E-08	7.38E-09	0.00E+00	1.94E-08	6.70E-09	6.37E-09	0.00E+00	1.31E-08
2781	481014.04	3768809.86	6.95E-08	3.13E-08	0.00E+00	1.01E-07	6.88E-08	4.56E-08	0.00E+00	1.14E-07	1.26E-08	7.77E-09	0.00E+00	2.04E-08	7.05E-09	6.70E-09	0.00E+00	1.38E-08
2782	481006.5	3768804.51	7.297E-08	3.29E-08	0.00E+00	1.06E-07	7.22E-08	4.79E-08	0.00E+00	1.20E-07	1.33E-08	8.16E-09	0.00E+00	2.14E-08	7.40E-09	7.04E-09	0.00E+00	1.44E-08
2783	480998.96	3768799.16	7.647E-08	3.45E-08	0.00E+00	1.11E-07	7.57E-08	5.02E-08	0.00E+00	1.26E-07	1.39E-08	8.55E-09	0.00E+00	2.24E-08	7.76E-09	7.38E-09	0.00E+00	1.51E-08
2784	480991.43	3768793.82	7.999E-08	3.61E-08	0.00E+00	1.16E-07	7.92E-08	5.25E-08	0.00E+00	1.32E-07	1.45E-08	8.94E-09	0.00E+00	2.35E-08	8.11E-09	7.72E-09	0.00E+00	1.58E-08
2785	480983.89	3768788.47	8.35E-08	3.77E-08	0.00E+00	1.21E-07	8.26E-08	5.48E-08	0.00E+00	1.37E-07	1.52E-08	9.34E-09	0.00E+00	2.45E-08	8.47E-09	8.06E-09	0.00E+00	1.65E-08
2786	480976.35	3768783.12	8.698E-08	3.92E-08	0.00E+00	1.26E-07	8.61E-08	5.71E-08	0.00E+00	1.43E-07	1.58E-08	9.72E-09	0.00E+00	2.55E-08	8.82E-09	8.39E-09	0.00E+00	1.72E-08
2787	480968.82	3768777.77	9.04E-08	4.08E-08	0.00E+00	1.31E-07	8.95E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.17E-09	8.72E-09	0.00E+00	1.79E-08
2788	480961.28	3768772.42	9.372E-08	4.23E-08	0.00E+00	1.36E-07	9.27E-08	6.15E-08	0.00E+00	1.54E-07	1.70E-08	1.05E-08	0.00E+00	2.75E-08	9.51E-09	9.04E-09	0.00E+00	1.85E-08
2789	480953.74	3768767.07	9.694E-08	4.37E-08	0.00E+00	1.41E-07	9.59E-08	6.36E-08	0.00E+00	1.60E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.83E-09	9.35E-09	0.00E+00	1.92E-08
2790	48094																	

2859	480807.1	3768656.96	1.243E-07	5.60E-08	0.00E+00	1.80E-07	1.23E-07	8.15E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.65E-08	1.26E-08	1.20E-08	0.00E+00	2.46E-08
2860	480804.28	3768648.14	1.252E-07	5.64E-08	0.00E+00	1.82E-07	1.24E-07	8.21E-08	0.00E+00	2.06E-07	2.27E-08	1.40E-08	0.00E+00	3.67E-08	1.27E-08	1.21E-08	0.00E+00	2.48E-08
2861	480801.46	3768639.32	1.258E-07	5.67E-08	0.00E+00	1.82E-07	1.24E-07	8.25E-08	0.00E+00	2.07E-07	2.28E-08	1.41E-08	0.00E+00	3.69E-08	1.28E-08	1.21E-08	0.00E+00	2.49E-08
2862	480798.64	3768630.5	1.261E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.27E-08	0.00E+00	2.07E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.49E-08
2863	480795.81	3768621.68	1.261E-07	5.69E-08	0.00E+00	1.83E-07	1.25E-07	8.27E-08	0.00E+00	2.08E-07	2.29E-08	1.41E-08	0.00E+00	3.70E-08	1.28E-08	1.22E-08	0.00E+00	2.50E-08
2864	480792.99	3768612.86	1.258E-07	5.67E-08	0.00E+00	1.83E-07	1.25E-07	8.26E-08	0.00E+00	2.07E-07	2.29E-08	1.41E-08	0.00E+00	3.69E-08	1.28E-08	1.21E-08	0.00E+00	2.49E-08
2865	480790.17	3768604.04	1.253E-07	5.65E-08	0.00E+00	1.82E-07	1.24E-07	8.22E-08	0.00E+00	2.06E-07	2.28E-08	1.40E-08	0.00E+00	3.68E-08	1.27E-08	1.21E-08	0.00E+00	2.48E-08
2866	480787.35	3768595.22	1.244E-07	5.61E-08	0.00E+00	1.81E-07	1.23E-07	8.17E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.65E-08	1.26E-08	1.20E-08	0.00E+00	2.46E-08
2867	480784.53	3768586.39	1.233E-07	5.56E-08	0.00E+00	1.79E-07	1.22E-07	8.09E-08	0.00E+00	2.03E-07	2.24E-08	1.38E-08	0.00E+00	3.62E-08	1.25E-08	1.19E-08	0.00E+00	2.44E-08
2868	480781.71	3768577.57	1.219E-07	5.50E-08	0.00E+00	1.77E-07	1.21E-07	8.00E-08	0.00E+00	2.01E-07	2.22E-08	1.36E-08	0.00E+00	3.58E-08	1.24E-08	1.18E-08	0.00E+00	2.41E-08
2869	480778.89	3768568.75	1.203E-07	5.42E-08	0.00E+00	1.74E-07	1.19E-07	7.89E-08	0.00E+00	1.98E-07	2.18E-08	1.34E-08	0.00E+00	3.53E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
2870	480776.07	3768559.93	1.184E-07	5.34E-08	0.00E+00	1.72E-07	1.17E-07	7.77E-08	0.00E+00	1.95E-07	2.15E-08	1.32E-08	0.00E+00	3.47E-08	1.20E-08	1.14E-08	0.00E+00	2.34E-08
2871	480773.25	3768551.11	1.163E-07	5.24E-08	0.00E+00	1.69E-07	1.15E-07	7.63E-08	0.00E+00	1.91E-07	2.11E-08	1.30E-08	0.00E+00	3.41E-08	1.18E-08	1.12E-08	0.00E+00	2.30E-08
2872	480770.43	3768542.29	1.139E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.25E-08
2873	480767.61	3768533.47	1.114E-07	5.02E-08	0.00E+00	1.62E-07	1.10E-07	7.31E-08	0.00E+00	1.83E-07	2.02E-08	1.25E-08	0.00E+00	3.27E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
2874	480764.79	3768524.65	1.087E-07	4.90E-08	0.00E+00	1.58E-07	1.08E-07	7.13E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
2875	480761.97	3768515.83	1.059E-07	4.78E-08	0.00E+00	1.54E-07	1.05E-07	6.95E-08	0.00E+00	1.74E-07	1.92E-08	1.18E-08	0.00E+00	3.11E-08	1.07E-08	1.02E-08	0.00E+00	2.10E-08
2876	480759.15	3768507.01	1.03E-07	4.64E-08	0.00E+00	1.49E-07	1.02E-07	6.76E-08	0.00E+00	1.69E-07	1.87E-08	1.15E-08	0.00E+00	3.02E-08	1.04E-08	9.93E-09	0.00E+00	2.04E-08
2877	480756.33	3768498.18	9.99E-08	4.51E-08	0.00E+00	1.45E-07	9.89E-08	6.56E-08	0.00E+00	1.64E-07	1.82E-08	1.12E-08	0.00E+00	2.93E-08	1.01E-08	9.64E-09	0.00E+00	1.98E-08
2878	480753.51	3768489.36	9.69E-08	4.36E-08	0.00E+00	1.40E-07	9.57E-08	6.34E-08	0.00E+00	1.59E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.81E-09	9.33E-09	0.00E+00	1.91E-08
2879	481027.92	3768854.61	4.935E-08	2.23E-08	0.00E+00	7.16E-08	4.88E-08	3.24E-08	0.00E+00	8.12E-08	8.97E-09	5.52E-09	0.00E+00	1.45E-08	5.01E-09	4.76E-09	0.00E+00	9.77E-09
2880	481037.02	3768857.38	4.734E-08	2.14E-08	0.00E+00	6.87E-08	4.68E-08	3.11E-08	0.00E+00	7.79E-08	8.60E-09	5.29E-09	0.00E+00	1.39E-08	4.80E-09	4.57E-09	0.00E+00	9.37E-09
2881	481046.13	3768860.15	4.535E-08	2.05E-08	0.00E+00	6.58E-08	4.49E-08	2.98E-08	0.00E+00	7.46E-08	8.24E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.37E-09	0.00E+00	8.97E-09
2882	481055.23	3768862.92	4.339E-08	1.96E-08	0.00E+00	6.30E-08	4.29E-08	2.85E-08	0.00E+00	7.14E-08	7.88E-09	4.85E-09	0.00E+00	1.27E-08	4.40E-09	4.19E-09	0.00E+00	8.59E-09
2883	481064.34	3768865.69	4.147E-08	1.87E-08	0.00E+00	6.02E-08	4.10E-08	2.72E-08	0.00E+00	6.83E-08	7.54E-09	4.64E-09	0.00E+00	1.22E-08	4.21E-09	4.00E-09	0.00E+00	8.21E-09
2884	481073.44	3768868.46	3.961E-08	1.79E-08	0.00E+00	5.75E-08	3.92E-08	2.60E-08	0.00E+00	6.52E-08	7.20E-09	4.43E-09	0.00E+00	1.16E-08	4.02E-09	3.82E-09	0.00E+00	7.84E-09
2885	481082.55	3768871.23	3.78E-08	1.70E-08	0.00E+00	5.48E-08	3.74E-08	2.48E-08	0.00E+00	6.22E-08	6.87E-09	4.22E-09	0.00E+00	1.11E-08	3.83E-09	3.65E-09	0.00E+00	7.48E-09
2886	481091.65	3768873.99	3.604E-08	1.63E-08	0.00E+00	5.23E-08	3.57E-08	2.36E-08	0.00E+00	5.93E-08	6.57E-09	4.03E-09	0.00E+00	1.06E-08	3.66E-09	3.48E-09	0.00E+00	7.13E-09
2887	481100.76	3768876.76	3.433E-08	1.55E-08	0.00E+00	4.98E-08	3.40E-08	2.25E-08	0.00E+00	5.65E-08	6.24E-09	3.84E-09	0.00E+00	1.01E-08	3.48E-09	3.31E-09	0.00E+00	6.79E-09
2888	481011.63	3768877.95	4.365E-08	1.97E-08	0.00E+00	6.33E-08	4.32E-08	2.86E-08	0.00E+00	7.18E-08	7.93E-09	4.88E-09	0.00E+00	1.28E-08	4.43E-09	4.21E-09	0.00E+00	8.64E-09
2889	481004.06	3768879.58	4.605E-08	2.08E-08	0.00E+00	6.68E-08	4.56E-08	3.02E-08	0.00E+00	7.58E-08	8.37E-09	5.15E-09	0.00E+00	1.35E-08	4.67E-09	4.44E-09	0.00E+00	9.11E-09
2890	480996.5	3768867.21	4.854E-08	2.19E-08	0.00E+00	7.04E-08	4.80E-08	3.19E-08	0.00E+00	7.99E-08	8.82E-09	5.42E-09	0.00E+00	1.42E-08	4.92E-09	4.68E-09	0.00E+00	9.61E-09
2891	480988.93	3768861.84	5.111E-08	2.30E-08	0.00E+00	7.42E-08	5.06E-08	3.35E-08	0.00E+00	8.41E-08	9.29E-09	5.71E-09	0.00E+00	1.50E-08	5.18E-09	4.93E-09	0.00E+00	1.01E-08
2892	480981.37	3768856.47	5.373E-08	2.42E-08	0.00E+00	7.80E-08	5.32E-08	3.53E-08	0.00E+00	8.84E-08	9.76E-09	6.01E-09	0.00E+00	1.58E-08	5.45E-09	5.18E-09	0.00E+00	1.06E-08
2893	480973.8	3768851.1	5.642E-08	2.54E-08	0.00E+00	8.19E-08	5.58E-08	3.70E-08	0.00E+00	9.28E-08	1.03E-08	6.31E-09	0.00E+00	1.66E-08	5.72E-09	5.44E-09	0.00E+00	1.12E-08
2894	480966.24	3768845.73	5.913E-08	2.67E-08	0.00E+00	8.58E-08	5.85E-08	3.88E-08	0.00E+00	9.73E-08	1.07E-08	6.61E-09	0.00E+00	1.74E-08	6.00E-09	5.70E-09	0.00E+00	1.17E-08
2895	480958.67	3768840.36	6.187E-08	2.79E-08	0.00E+00	8.98E-08	6.12E-08	4.06E-08	0.00E+00	1.02E-07	1.12E-08	6.91E-09	0.00E+00	1.82E-08	6.28E-09	5.97E-09	0.00E+00	1.22E-08
2896	480951.11	3768834.99	6.462E-08	2.91E-08	0.00E+00	9.38E-08	6.39E-08	4.24E-08	0.00E+00	1.06E-07	1.17E-08	7.22E-09	0.00E+00	1.90E-08	6.56E-09	6.23E-09	0.00E+00	1.28E-08
2897	480943.54	3768829.62	6.738E-08	3.04E-08	0.00E+00	9.78E-08	6.67E-08	4.42E-08	0.00E+00	1.11E-07	1.22E-08	7.53E-09	0.00E+00	1.98E-08	6.83E-09	6.50E-09	0.00E+00	1.33E-08
2898	480935.98	3768824.25	7.014E-08	3.16E-08	0.00E+00	1.02E-07	6.94E-08	4.60E-08	0.00E+00	1.15E-07	1.27E-08	7.84E-09	0.00E+00	2.06E-08	7.11E-09	6.77E-09	0.00E+00	1.39E-08
2899	480928.41	3768818.88	7.289E-08	3.29E-08	0.00E+00	1.06E-07	7.21E-08	4.78E-08	0.00E+00	1.20E-07	1.32E-08	8.15E-09	0.00E+00	2.14E-08	7.39E-09	7.03E-09	0.00E+00	1.44E-08
2900	480920.84	3768813.51	7.56E-08	3.41E-08	0.00E+00	1.10E-07	7.48E-08	4.96E-08	0.00E+00	1.24E-07	1.37E-08	8.45E-09	0.00E+00	2.22E-08	7.67E-09	7.29E-09	0.00E+00	1.50E-08
2901	480913.28	3768808.14	7.827E-08	3.53E-08	0.00E+00	1.14E-07	7.75E-08	5.14E-08	0.00E+00	1.29E-07	1.42E-08	8.75E-09	0.00E+00	2.30E-08	7.94E-09	7.55E-09	0.00E+00	1.55E-08
2902	480905.71	3768802.77	8.086E-08	3.65E-08	0.00E+00	1.17E-07	8.00E-08	5.31E-08	0.00E+00	1.33E-07	1.47E-08	9.04E-09	0.00E+00	2.37E-08	8.20E-09	7.80E-09	0.00E+00	1.60E-08
2903	480898.15	3768797.4	8.337E-08	3.76E-08	0.00E+00	1.21E-07	8.25E-08	5.47E-08	0.00E+00	1.37E-07	1.51E-08	9.32E-09	0.00E+00	2.45E-08	8.46E-09	8.04E-09	0.00E+00	1.65E-08
2904	480890.58	3768792.03	8.578E-08	3.87E-08	0.00E+00	1.24E-07	8.49E-08	5.63E-08	0.00E+00	1.41E-07	1.56E-08	9.59E-09	0.00E+00	2.52E-08	8.70E-09	8.28E-09	0.00E+00	1.70E-08
2905	480883.02	3768786.66	8.81E-08	3.97E-08	0.00E+00	1.28E-07	8.72E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.85E-09	0.00E+00	2.59E-08	8.94E-09	8.50E-09	0.00E+00	1.74E-08
2906	480875.45	3768781.29	9.032E-08	4.07E-08	0.00E+00	1.31E-07	8.94E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.16E-09	8.71E-09	0.00E+00	1.79E-08
2907	480867.89	3768775.93	9.243E-08	4.17E-08	0.00E+00	1.34E-07	9.15E-08	6.07E-08	0.00E+00	1.52E-07	1.68E-08	1.03E-08	0.00E+00	2.71E-08	9.38E-09	8.92E-09	0.00E+00	1.83E-08
2908</																		

2977	480704.85	3768524.06	9.3E-08	4.19E-08	0.00E+00	1.35E-07	9.20E-08	6.10E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.73E-08	9.43E-09	8.97E-09	0.00E+00	1.84E-08
2978	480702.02	3768515.21	9.056E-08	4.08E-08	0.00E+00	1.31E-07	8.96E-08	5.94E-08	0.00E+00	1.49E-07	1.65E-08	1.01E-08	0.00E+00	2.66E-08	9.19E-09	8.74E-09	0.00E+00	1.79E-08
2979	480699.19	3768506.36	8.802E-08	3.97E-08	0.00E+00	1.28E-07	8.71E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.84E-09	0.00E+00	2.58E-08	8.93E-09	8.49E-09	0.00E+00	1.74E-08
2980	480696.36	3768497.51	8.542E-08	3.85E-08	0.00E+00	1.24E-07	8.45E-08	5.61E-08	0.00E+00	1.41E-07	1.55E-08	9.55E-09	0.00E+00	2.51E-08	8.66E-09	8.24E-09	0.00E+00	1.69E-08
2981	480693.54	3768488.66	8.275E-08	3.73E-08	0.00E+00	1.20E-07	8.19E-08	5.43E-08	0.00E+00	1.36E-07	1.50E-08	9.25E-09	0.00E+00	2.43E-08	8.39E-09	7.98E-09	0.00E+00	1.64E-08
2982	480690.71	3768479.81	8.005E-08	3.61E-08	0.00E+00	1.16E-07	7.92E-08	5.25E-08	0.00E+00	1.32E-07	1.45E-08	8.95E-09	0.00E+00	2.35E-08	8.12E-09	7.72E-09	0.00E+00	1.58E-08
2983	481010.46	3768912.02	3.488E-08	1.57E-08	0.00E+00	5.06E-08	3.45E-08	2.29E-08	0.00E+00	5.74E-08	6.34E-09	3.90E-09	0.00E+00	1.02E-08	3.54E-09	3.36E-09	0.00E+00	6.90E-09
2984	481019.57	3768914.79	3.346E-08	1.51E-08	0.00E+00	4.85E-08	3.31E-08	2.20E-08	0.00E+00	5.51E-08	6.08E-09	3.74E-09	0.00E+00	9.82E-09	3.39E-09	3.23E-09	0.00E+00	6.62E-09
2985	481028.67	3768917.56	3.207E-08	1.45E-08	0.00E+00	4.65E-08	3.17E-08	2.10E-08	0.00E+00	5.28E-08	5.83E-09	3.58E-09	0.00E+00	9.41E-09	3.25E-09	3.09E-09	0.00E+00	6.35E-09
2986	481037.78	3768920.32	3.071E-08	1.39E-08	0.00E+00	4.46E-08	3.04E-08	2.02E-08	0.00E+00	5.05E-08	5.58E-09	3.43E-09	0.00E+00	9.01E-09	3.12E-09	2.96E-09	0.00E+00	6.08E-09
2987	481046.88	3768923.09	2.94E-08	1.33E-08	0.00E+00	4.27E-08	2.91E-08	1.93E-08	0.00E+00	4.84E-08	5.34E-09	3.29E-09	0.00E+00	8.63E-09	2.98E-09	2.84E-09	0.00E+00	5.82E-09
2988	481055.99	3768925.86	2.813E-08	1.27E-08	0.00E+00	4.08E-08	2.78E-08	1.85E-08	0.00E+00	4.63E-08	5.11E-09	3.14E-09	0.00E+00	8.25E-09	2.85E-09	2.71E-09	0.00E+00	5.57E-09
2989	481065.09	3768928.63	2.691E-08	1.21E-08	0.00E+00	3.90E-08	2.66E-08	1.77E-08	0.00E+00	4.43E-08	4.89E-09	3.01E-09	0.00E+00	7.90E-09	2.73E-09	2.60E-09	0.00E+00	5.32E-09
2990	481074.2	3768931.4	2.573E-08	1.16E-08	0.00E+00	3.73E-08	2.55E-08	1.69E-08	0.00E+00	4.23E-08	4.68E-09	2.88E-09	0.00E+00	7.55E-09	2.61E-09	2.48E-09	0.00E+00	5.09E-09
2991	481083.3	3768934.17	2.46E-08	1.11E-08	0.00E+00	3.57E-08	2.43E-08	1.61E-08	0.00E+00	4.05E-08	4.47E-09	2.75E-09	0.00E+00	7.22E-09	2.50E-09	2.37E-09	0.00E+00	4.87E-09
2992	480994.15	3768935.34	3.129E-08	1.41E-08	0.00E+00	4.54E-08	3.10E-08	2.05E-08	0.00E+00	5.15E-08	5.69E-09	3.50E-09	0.00E+00	9.18E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
2993	480986.56	3768929.95	3.299E-08	1.49E-08	0.00E+00	4.79E-08	3.26E-08	2.17E-08	0.00E+00	5.43E-08	5.99E-09	3.69E-09	0.00E+00	9.68E-09	3.35E-09	3.18E-09	0.00E+00	6.53E-09
2994	480978.98	3768924.57	3.476E-08	1.57E-08	0.00E+00	5.04E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.32E-09	3.88E-09	0.00E+00	1.02E-08	3.53E-09	3.35E-09	0.00E+00	6.88E-09
2995	480971.39	3768919.18	3.66E-08	1.65E-08	0.00E+00	5.31E-08	3.62E-08	2.40E-08	0.00E+00	6.02E-08	6.65E-09	4.09E-09	0.00E+00	1.07E-08	3.71E-09	3.53E-09	0.00E+00	7.24E-09
2996	480963.8	3768913.8	3.85E-08	1.74E-08	0.00E+00	5.59E-08	3.81E-08	2.53E-08	0.00E+00	6.34E-08	7.00E-09	4.30E-09	0.00E+00	1.13E-08	3.91E-09	3.71E-09	0.00E+00	7.62E-09
2997	480956.22	3768908.41	4.046E-08	1.82E-08	0.00E+00	5.87E-08	4.00E-08	2.65E-08	0.00E+00	6.66E-08	7.35E-09	4.52E-09	0.00E+00	1.19E-08	4.10E-09	3.90E-09	0.00E+00	8.01E-09
2998	480948.63	3768903.03	4.247E-08	1.92E-08	0.00E+00	6.16E-08	4.20E-08	2.79E-08	0.00E+00	6.99E-08	7.72E-09	4.75E-09	0.00E+00	1.25E-08	4.31E-09	4.10E-09	0.00E+00	8.40E-09
2999	480941.04	3768897.64	4.453E-08	2.01E-08	0.00E+00	6.46E-08	4.41E-08	2.92E-08	0.00E+00	7.33E-08	8.09E-09	4.98E-09	0.00E+00	1.31E-08	4.52E-09	4.30E-09	0.00E+00	8.81E-09
3000	480933.46	3768892.26	4.665E-08	2.10E-08	0.00E+00	6.77E-08	4.62E-08	3.06E-08	0.00E+00	7.68E-08	8.48E-09	5.21E-09	0.00E+00	1.37E-08	4.73E-09	4.50E-09	0.00E+00	9.23E-09
3001	480925.87	3768886.87	4.881E-08	2.20E-08	0.00E+00	7.08E-08	4.83E-08	3.20E-08	0.00E+00	8.03E-08	8.87E-09	5.46E-09	0.00E+00	1.43E-08	4.95E-09	4.71E-09	0.00E+00	9.66E-09
3002	480918.28	3768881.49	5.1E-08	2.30E-08	0.00E+00	7.40E-08	5.05E-08	3.35E-08	0.00E+00	8.39E-08	9.27E-09	5.70E-09	0.00E+00	1.50E-08	5.17E-09	4.92E-09	0.00E+00	1.01E-08
3003	480910.69	3768876.1	5.322E-08	2.40E-08	0.00E+00	7.72E-08	5.27E-08	3.49E-08	0.00E+00	8.76E-08	9.67E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.13E-09	0.00E+00	1.05E-08
3004	480903.11	3768870.72	5.543E-08	2.50E-08	0.00E+00	8.04E-08	5.49E-08	3.64E-08	0.00E+00	9.12E-08	1.01E-08	6.20E-09	0.00E+00	1.63E-08	5.62E-09	5.35E-09	0.00E+00	1.10E-08
3005	480895.52	3768865.33	5.766E-08	2.60E-08	0.00E+00	8.37E-08	5.71E-08	3.78E-08	0.00E+00	9.49E-08	1.05E-08	6.44E-09	0.00E+00	1.69E-08	5.85E-09	5.56E-09	0.00E+00	1.14E-08
3006	480887.93	3768859.95	5.987E-08	2.70E-08	0.00E+00	8.69E-08	5.92E-08	3.93E-08	0.00E+00	9.85E-08	1.09E-08	6.69E-09	0.00E+00	1.76E-08	6.07E-09	5.78E-09	0.00E+00	1.18E-08
3007	480880.35	3768854.56	6.207E-08	2.80E-08	0.00E+00	9.01E-08	6.14E-08	4.07E-08	0.00E+00	1.02E-07	1.13E-08	6.94E-09	0.00E+00	1.82E-08	6.30E-09	5.99E-09	0.00E+00	1.23E-08
3008	480872.76	3768849.18	6.427E-08	2.90E-08	0.00E+00	9.33E-08	6.36E-08	4.22E-08	0.00E+00	1.06E-07	1.17E-08	7.18E-09	0.00E+00	1.89E-08	6.52E-09	6.20E-09	0.00E+00	1.27E-08
3009	480865.17	3768843.79	6.644E-08	3.00E-08	0.00E+00	9.64E-08	6.57E-08	4.36E-08	0.00E+00	1.09E-07	1.21E-08	7.43E-09	0.00E+00	1.95E-08	6.74E-09	6.41E-09	0.00E+00	1.31E-08
3010	480857.59	3768838.41	6.856E-08	3.09E-08	0.00E+00	9.95E-08	6.78E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.66E-09	0.00E+00	2.01E-08	6.95E-09	6.61E-09	0.00E+00	1.36E-08
3011	480850	3768833.02	7.064E-08	3.19E-08	0.00E+00	1.02E-07	6.99E-08	4.64E-08	0.00E+00	1.16E-07	1.28E-08	7.89E-09	0.00E+00	2.07E-08	7.17E-09	6.81E-09	0.00E+00	1.40E-08
3012	480842.41	3768827.64	7.263E-08	3.28E-08	0.00E+00	1.05E-07	7.19E-08	4.77E-08	0.00E+00	1.20E-07	1.32E-08	8.12E-09	0.00E+00	2.13E-08	7.37E-09	7.01E-09	0.00E+00	1.44E-08
3013	480834.83	3768822.25	7.457E-08	3.36E-08	0.00E+00	1.08E-07	7.38E-08	4.89E-08	0.00E+00	1.23E-07	1.35E-08	8.33E-09	0.00E+00	2.19E-08	7.56E-09	7.19E-09	0.00E+00	1.48E-08
3014	480827.24	3768816.87	7.642E-08	3.45E-08	0.00E+00	1.11E-07	7.56E-08	5.01E-08	0.00E+00	1.26E-07	1.39E-08	8.54E-09	0.00E+00	2.24E-08	7.75E-09	7.37E-09	0.00E+00	1.51E-08
3015	480819.65	3768811.48	7.819E-08	3.53E-08	0.00E+00	1.13E-07	7.74E-08	5.13E-08	0.00E+00	1.29E-07	1.42E-08	8.74E-09	0.00E+00	2.29E-08	7.93E-09	7.54E-09	0.00E+00	1.55E-08
3016	480812.07	3768806.1	7.989E-08	3.60E-08	0.00E+00	1.16E-07	7.91E-08	5.24E-08	0.00E+00	1.31E-07	1.45E-08	8.93E-09	0.00E+00	2.34E-08	8.10E-09	7.71E-09	0.00E+00	1.58E-08
3017	480804.48	3768800.71	8.15E-08	3.68E-08	0.00E+00	1.18E-07	8.07E-08	5.35E-08	0.00E+00	1.34E-07	1.48E-08	9.11E-09	0.00E+00	2.39E-08	8.27E-09	7.86E-09	0.00E+00	1.61E-08
3018	480796.89	3768795.33	8.301E-08	3.74E-08	0.00E+00	1.20E-07	8.21E-08	5.45E-08	0.00E+00	1.37E-07	1.51E-08	9.28E-09	0.00E+00	2.44E-08	8.42E-09	8.01E-09	0.00E+00	1.64E-08
3019	480789.31	3768789.94	8.441E-08	3.81E-08	0.00E+00	1.22E-07	8.35E-08	5.54E-08	0.00E+00	1.39E-07	1.53E-08	9.43E-09	0.00E+00	2.48E-08	8.56E-09	8.14E-09	0.00E+00	1.67E-08
3020	480781.72	3768784.56	8.57E-08	3.86E-08	0.00E+00	1.24E-07	8.48E-08	5.62E-08	0.00E+00	1.41E-07	1.56E-08	9.58E-09	0.00E+00	2.52E-08	8.69E-09	8.27E-09	0.00E+00	1.70E-08
3021	480774.13	3768779.17	8.688E-08	3.92E-08	0.00E+00	1.26E-07	8.60E-08	5.70E-08	0.00E+00	1.43E-07	1.58E-08	9.71E-09	0.00E+00	2.55E-08	8.81E-09	8.38E-09	0.00E+00	1.72E-08
3022	480766.55	3768773.79	8.794E-08	3.97E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.83E-09	0.00E+00	2.58E-08	8.92E-09	8.48E-09	0.00E+00	1.74E-08
3023	480758.96	3768768.41	8.887E-08	4.01E-08	0.00E+00	1.29E-07	8.79E-08	5.83E-08	0.00E+00	1.46E-07	1.61E-08	9.93E-09	0.00E+00	2.61E-08	9.01E-09	8.57E-09	0.00E+00	1.76E-08
3024	480750.88	3768763.01	9.036E-07	4.67E-08	0.00E+00	1.50E-07	1.03E-07	6.80E-08	0.00E+00	1.70E-07	1.88E-08	1.16E-08	0.00E+00	3.04E-08	1.05E-08	9.99E-09	0.00E+00	2.05E-08
3025	480706.04	3768621.23	1.03E-07	4.65E-08	0.00E+00	1.50E-07	1.02E-07	6.76E-08	0.00E+00	1.70E-07	1.87E-08	1.15E-08	0.00E+00	3.02E-08	1.05E-08	9.94E-09	0.00E+00	2.04E-08
3026	48070																	

3100	480661.92	3768576.67	9.121E-08	4.11E-08	0.00E+00	1.32E-07	9.03E-08	5.99E-08	0.00E+00	1.50E-07	1.66E-08	1.02E-08	0.00E+00	2.68E-08	9.25E-09	8.80E-09	0.00E+00	1.81E-08
3101	480659.08	3768567.8	8.968E-08	4.04E-08	0.00E+00	1.30E-07	8.87E-08	5.89E-08	0.00E+00	1.48E-07	1.63E-08	1.00E-08	0.00E+00	2.63E-08	9.10E-09	8.65E-09	0.00E+00	1.77E-08
3102	480656.25	3768558.93	8.803E-08	3.97E-08	0.00E+00	1.28E-07	8.71E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.84E-09	0.00E+00	2.58E-08	8.93E-09	8.49E-09	0.00E+00	1.74E-08
3103	480653.41	3768550.06	8.626E-08	3.89E-08	0.00E+00	1.25E-07	8.54E-08	5.66E-08	0.00E+00	1.42E-07	1.57E-08	9.64E-09	0.00E+00	2.53E-08	8.75E-09	8.32E-09	0.00E+00	1.71E-08
3104	480650.57	3768541.19	8.44E-08	3.81E-08	0.00E+00	1.22E-07	8.35E-08	5.54E-08	0.00E+00	1.39E-07	1.53E-08	9.43E-09	0.00E+00	2.48E-08	8.56E-09	8.14E-09	0.00E+00	1.67E-08
3105	480647.74	3768532.31	8.246E-08	3.72E-08	0.00E+00	1.20E-07	8.16E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.22E-09	0.00E+00	2.42E-08	8.36E-09	7.95E-09	0.00E+00	1.63E-08
3106	480644.9	3768523.44	8.044E-08	3.63E-08	0.00E+00	1.17E-07	7.96E-08	5.28E-08	0.00E+00	1.32E-07	1.46E-08	8.99E-09	0.00E+00	2.36E-08	8.16E-09	7.76E-09	0.00E+00	1.59E-08
3107	480642.06	3768514.57	7.836E-08	3.53E-08	0.00E+00	1.14E-07	7.75E-08	5.14E-08	0.00E+00	1.29E-07	1.42E-08	8.76E-09	0.00E+00	2.30E-08	7.95E-09	7.56E-09	0.00E+00	1.55E-08
3108	480639.23	3768505.7	7.622E-08	3.44E-08	0.00E+00	1.11E-07	7.54E-08	5.00E-08	0.00E+00	1.25E-07	1.38E-08	8.52E-09	0.00E+00	2.24E-08	7.73E-09	7.35E-09	0.00E+00	1.51E-08
3109	480636.39	3768496.82	7.403E-08	3.34E-08	0.00E+00	1.07E-07	7.33E-08	4.86E-08	0.00E+00	1.22E-07	1.35E-08	8.27E-09	0.00E+00	2.17E-08	7.51E-09	7.14E-09	0.00E+00	1.47E-08
3110	480633.55	3768487.95	7.177E-08	3.24E-08	0.00E+00	1.04E-07	7.10E-08	4.71E-08	0.00E+00	1.18E-07	1.30E-08	8.02E-09	0.00E+00	2.11E-08	7.28E-09	6.92E-09	0.00E+00	1.42E-08
3111	480630.72	3768479.08	6.949E-08	3.13E-08	0.00E+00	1.01E-07	6.88E-08	4.56E-08	0.00E+00	1.14E-07	1.26E-08	7.77E-09	0.00E+00	2.04E-08	7.05E-09	6.70E-09	0.00E+00	1.38E-08
3112	480993.01	3768969.42	2.547E-08	1.15E-08	0.00E+00	3.70E-08	2.52E-08	1.67E-08	0.00E+00	4.19E-08	4.63E-09	2.85E-09	0.00E+00	7.47E-09	2.58E-09	2.46E-09	0.00E+00	5.04E-09
3113	481002.11	3768972.19	2.447E-08	1.10E-08	0.00E+00	3.55E-08	2.42E-08	1.61E-08	0.00E+00	4.03E-08	4.45E-09	2.73E-09	0.00E+00	7.18E-09	2.48E-09	2.36E-09	0.00E+00	4.84E-09
3114	481011.22	3768974.96	2.35E-08	1.06E-08	0.00E+00	3.41E-08	2.33E-08	1.54E-08	0.00E+00	3.87E-08	4.27E-09	2.63E-09	0.00E+00	6.90E-09	2.38E-09	2.27E-09	0.00E+00	4.65E-09
3115	481020.32	3768977.73	2.256E-08	1.02E-08	0.00E+00	3.27E-08	2.23E-08	1.48E-08	0.00E+00	3.71E-08	4.10E-09	2.52E-09	0.00E+00	6.62E-09	2.29E-09	2.18E-09	0.00E+00	4.46E-09
3116	481029.43	3768980.5	2.165E-08	9.76E-09	0.00E+00	3.14E-08	2.14E-08	1.42E-08	0.00E+00	3.56E-08	3.93E-09	2.42E-09	0.00E+00	6.35E-09	2.20E-09	2.09E-09	0.00E+00	4.29E-09
3121	480976.68	3768992.73	2.315E-08	1.04E-08	0.00E+00	3.36E-08	2.29E-08	1.52E-08	0.00E+00	3.81E-08	4.21E-09	2.59E-09	0.00E+00	6.79E-09	2.35E-09	2.23E-09	0.00E+00	4.58E-09
3122	480969.07	3768987.33	2.434E-08	1.10E-08	0.00E+00	3.53E-08	2.41E-08	1.60E-08	0.00E+00	4.01E-08	4.42E-09	2.72E-09	0.00E+00	7.14E-09	2.47E-09	2.35E-09	0.00E+00	4.82E-09
3123	480961.47	3768981.93	2.559E-08	1.15E-08	0.00E+00	3.71E-08	2.53E-08	1.68E-08	0.00E+00	4.21E-08	4.65E-09	2.86E-09	0.00E+00	7.51E-09	2.60E-09	2.47E-09	0.00E+00	5.06E-09
3124	480953.86	3768976.54	2.689E-08	1.21E-08	0.00E+00	3.90E-08	2.66E-08	1.76E-08	0.00E+00	4.42E-08	4.88E-09	3.00E-09	0.00E+00	7.89E-09	2.73E-09	2.59E-09	0.00E+00	5.32E-09
3125	480946.26	3768971.14	2.824E-08	1.27E-08	0.00E+00	4.10E-08	2.79E-08	1.85E-08	0.00E+00	4.65E-08	5.13E-09	3.16E-09	0.00E+00	8.29E-09	2.86E-09	2.72E-09	0.00E+00	5.59E-09
3126	480938.66	3768965.74	2.966E-08	1.34E-08	0.00E+00	4.30E-08	2.93E-08	1.95E-08	0.00E+00	4.88E-08	5.39E-09	3.31E-09	0.00E+00	8.70E-09	3.01E-09	2.86E-09	0.00E+00	5.87E-09
3127	480931.05	3768960.35	3.113E-08	1.40E-08	0.00E+00	4.52E-08	3.08E-08	2.04E-08	0.00E+00	5.12E-08	5.66E-09	3.48E-09	0.00E+00	9.14E-09	3.16E-09	3.00E-09	0.00E+00	6.16E-09
3128	480923.45	3768954.95	3.266E-08	1.47E-08	0.00E+00	4.74E-08	3.23E-08	2.14E-08	0.00E+00	5.38E-08	5.93E-09	3.65E-09	0.00E+00	9.58E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
3129	480915.85	3768949.55	3.424E-08	1.54E-08	0.00E+00	4.97E-08	3.39E-08	2.25E-08	0.00E+00	5.63E-08	6.22E-09	3.83E-09	0.00E+00	1.00E-08	3.47E-09	3.30E-09	0.00E+00	6.78E-09
3130	480908.24	3768944.16	3.586E-08	1.62E-08	0.00E+00	5.20E-08	3.55E-08	2.35E-08	0.00E+00	5.90E-08	6.52E-09	4.01E-09	0.00E+00	1.05E-08	3.64E-09	3.46E-09	0.00E+00	7.10E-09
3131	480900.64	3768938.76	3.753E-08	1.69E-08	0.00E+00	5.45E-08	3.71E-08	2.46E-08	0.00E+00	6.18E-08	6.82E-09	4.19E-09	0.00E+00	1.10E-08	3.81E-09	3.62E-09	0.00E+00	7.43E-09
3132	480893.04	3768933.36	3.923E-08	1.77E-08	0.00E+00	5.69E-08	3.88E-08	2.57E-08	0.00E+00	6.46E-08	7.13E-09	4.38E-09	0.00E+00	1.15E-08	3.98E-09	3.78E-09	0.00E+00	7.76E-09
3133	480885.43	3768927.97	4.096E-08	1.85E-08	0.00E+00	5.94E-08	4.05E-08	2.69E-08	0.00E+00	6.74E-08	7.44E-09	4.58E-09	0.00E+00	1.20E-08	4.15E-09	3.95E-09	0.00E+00	8.11E-09
3134	480877.83	3768922.57	4.272E-08	1.93E-08	0.00E+00	6.20E-08	4.23E-08	2.80E-08	0.00E+00	7.03E-08	7.76E-09	4.77E-09	0.00E+00	1.25E-08	4.33E-09	4.12E-09	0.00E+00	8.45E-09
3135	480870.22	3768917.17	4.45E-08	2.01E-08	0.00E+00	6.46E-08	4.40E-08	2.92E-08	0.00E+00	7.32E-08	8.09E-09	4.97E-09	0.00E+00	1.31E-08	4.51E-09	4.29E-09	0.00E+00	8.81E-09
3136	480862.62	3768911.78	4.631E-08	2.09E-08	0.00E+00	6.72E-08	4.58E-08	3.04E-08	0.00E+00	7.62E-08	8.41E-09	5.18E-09	0.00E+00	1.36E-08	4.70E-09	4.47E-09	0.00E+00	9.17E-09
3137	480855.02	3768906.38	4.814E-08	2.17E-08	0.00E+00	6.98E-08	4.76E-08	3.16E-08	0.00E+00	7.92E-08	8.70E-09	5.38E-09	0.00E+00	1.41E-08	4.88E-09	4.64E-09	0.00E+00	9.53E-09
3138	480847.41	3768900.98	4.997E-08	2.25E-08	0.00E+00	7.25E-08	4.94E-08	3.28E-08	0.00E+00	8.22E-08	9.08E-09	5.58E-09	0.00E+00	1.47E-08	5.07E-09	4.82E-09	0.00E+00	9.89E-09
3139	480839.81	3768895.58	5.179E-08	2.34E-08	0.00E+00	7.51E-08	5.12E-08	3.40E-08	0.00E+00	8.52E-08	9.41E-09	5.79E-09	0.00E+00	1.52E-08	5.25E-09	5.00E-09	0.00E+00	1.02E-08
3140	480832.21	3768890.19	5.36E-08	2.42E-08	0.00E+00	7.78E-08	5.30E-08	3.52E-08	0.00E+00	8.82E-08	9.74E-09	5.99E-09	0.00E+00	1.57E-08	5.44E-09	5.17E-09	0.00E+00	1.06E-08
3141	480824.6	3768884.79	5.539E-08	2.50E-08	0.00E+00	8.04E-08	5.48E-08	3.63E-08	0.00E+00	9.12E-08	1.01E-08	6.19E-09	0.00E+00	1.63E-08	5.62E-09	5.34E-09	0.00E+00	1.10E-08
3142	480817	3768879.39	5.717E-08	2.58E-08	0.00E+00	8.29E-08	5.66E-08	3.75E-08	0.00E+00	9.41E-08	1.04E-08	6.39E-09	0.00E+00	1.68E-08	5.80E-09	5.51E-09	0.00E+00	1.13E-08
3143	480809.4	3768874	5.893E-08	2.66E-08	0.00E+00	8.55E-08	5.83E-08	3.87E-08	0.00E+00	9.70E-08	1.07E-08	6.59E-09	0.00E+00	1.73E-08	5.98E-09	5.68E-09	0.00E+00	1.17E-08
3144	480801.79	3768868.6	6.066E-08	2.74E-08	0.00E+00	8.80E-08	6.00E-08	3.98E-08	0.00E+00	9.98E-08	1.10E-08	6.78E-09	0.00E+00	1.78E-08	6.15E-09	5.85E-09	0.00E+00	1.20E-08
3145	480794.19	3768863.2	6.235E-08	2.81E-08	0.00E+00	9.05E-08	6.17E-08	4.09E-08	0.00E+00	1.03E-07	1.13E-08	6.97E-09	0.00E+00	1.83E-08	6.32E-09	6.01E-09	0.00E+00	1.23E-08
3146	480786.58	3768857.81	6.399E-08	2.89E-08	0.00E+00	9.28E-08	6.33E-08	4.20E-08	0.00E+00	1.05E-07	1.16E-08	7.15E-09	0.00E+00	1.88E-08	6.49E-09	6.17E-09	0.00E+00	1.27E-08
3147	480778.98	3768852.41	6.558E-08	2.96E-08	0.00E+00	9.52E-08	6.49E-08	4.30E-08	0.00E+00	1.08E-07	1.19E-08	7.33E-09	0.00E+00	1.92E-08	6.65E-09	6.33E-09	0.00E+00	1.30E-08
3148	480771.38	3768847.01	6.712E-08	3.03E-08	0.00E+00	9.74E-08	6.64E-08	4.40E-08	0.00E+00	1.10E-07	1.22E-08	7.50E-09	0.00E+00	1.97E-08	6.81E-09	6.47E-09	0.00E+00	1.33E-08
3149	480763.77	3768841.62	6.859E-08	3.09E-08	0.00E+00	9.95E-08	6.79E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.67E-09	0.00E+00	2.01E-08	6.96E-09	6.62E-09	0.00E+00	1.36E-08
3150	480756.17	3768836.22	6.998E-08	3.16E-08	0.00E+00	1.02E-07	6.93E-08	4.59E-08	0.00E+00	1.15E-07	1.27E-08	7.82E-09	0.00E+00	2.05E-08	7.10E-09	6.75E-09	0.00E+00	1.39E-08
3151	480748.57	3768830.82	7.13E-08	3.22E-08	0.00E+00	1.03E-07	7.05E-08	4.68E-08	0.00E+00	1.17E-07	1.30E-08	7.97E-09	0.00E+00	2.09E-08	7.23E-09	6.88E-09	0.00E+00	1.41E-08
3152	480740.96	3768825.43	7.253E-08	3.27E-08	0.00E+00	1.05E-07	7.18E-08	4.76E-08	0.00E+00	1.19E-07	1.32E-08	8.11E-09	0.00E+00	2.13E-08	7.36E-09	7.00E-09	0.00E+00	1.44E-08
3153	480																	

3225	480754.84	3768870.17	6.102E-08	2.75E-08	0.00E+00	8.85E-08	6.04E-08	4.00E-08	0.00E+00	1.00E-07	1.11E-08	6.82E-09	0.00E+00	1.79E-08	6.19E-09	5.89E-09	0.00E+00	1.21E-08
3226	480747.23	3768864.77	6.243E-08	2.82E-08	0.00E+00	9.06E-08	6.18E-08	4.10E-08	0.00E+00	1.03E-07	1.13E-08	6.98E-09	0.00E+00	1.83E-08	6.33E-09	6.02E-09	0.00E+00	1.24E-08
3227	480709.17	3768837.76	6.862E-08	3.09E-08	0.00E+00	9.96E-08	6.79E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.67E-09	0.00E+00	2.01E-08	6.96E-09	6.62E-09	0.00E+00	1.36E-08
3228	480701.56	3768832.36	6.966E-08	3.14E-08	0.00E+00	1.01E-07	6.89E-08	4.57E-08	0.00E+00	1.15E-07	1.27E-08	7.79E-09	0.00E+00	2.04E-08	7.07E-09	6.72E-09	0.00E+00	1.38E-08
3229	480693.95	3768826.96	7.062E-08	3.18E-08	0.00E+00	1.02E-07	6.99E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.89E-09	0.00E+00	2.07E-08	7.16E-09	6.81E-09	0.00E+00	1.40E-08
3230	480686.34	3768821.55	7.15E-08	3.22E-08	0.00E+00	1.04E-07	7.07E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.99E-09	0.00E+00	2.10E-08	7.25E-09	6.90E-09	0.00E+00	1.41E-08
3231	480675.89	3768807.26	7.4E-08	3.34E-08	0.00E+00	1.07E-07	7.32E-08	4.86E-08	0.00E+00	1.22E-07	1.34E-08	8.27E-09	0.00E+00	2.17E-08	7.51E-09	7.14E-09	0.00E+00	1.46E-08
3232	480673.05	3768798.37	7.564E-08	3.41E-08	0.00E+00	1.10E-07	7.48E-08	4.96E-08	0.00E+00	1.24E-07	1.37E-08	8.45E-09	0.00E+00	2.22E-08	7.67E-09	7.30E-09	0.00E+00	1.50E-08
3233	480670.2	3768789.48	7.72E-08	3.48E-08	0.00E+00	1.12E-07	7.64E-08	5.07E-08	0.00E+00	1.27E-07	1.40E-08	8.63E-09	0.00E+00	2.27E-08	7.83E-09	7.45E-09	0.00E+00	1.53E-08
3234	480667.36	3768780.59	7.869E-08	3.55E-08	0.00E+00	1.14E-07	7.79E-08	5.16E-08	0.00E+00	1.30E-07	1.43E-08	8.80E-09	0.00E+00	2.31E-08	7.98E-09	7.59E-09	0.00E+00	1.56E-08
3235	480664.52	3768771.7	8.01E-08	3.61E-08	0.00E+00	1.16E-07	7.93E-08	5.26E-08	0.00E+00	1.32E-07	1.46E-08	8.95E-09	0.00E+00	2.35E-08	8.12E-09	7.73E-09	0.00E+00	1.59E-08
3236	480661.68	3768762.81	8.141E-08	3.67E-08	0.00E+00	1.18E-07	8.06E-08	5.34E-08	0.00E+00	1.34E-07	1.48E-08	9.10E-09	0.00E+00	2.39E-08	8.26E-09	7.85E-09	0.00E+00	1.61E-08
3237	480653.15	3768736.14	8.469E-08	3.82E-08	0.00E+00	1.23E-07	8.38E-08	5.56E-08	0.00E+00	1.39E-07	1.54E-08	9.47E-09	0.00E+00	2.49E-08	8.59E-09	8.17E-09	0.00E+00	1.68E-08
3238	480650.31	3768727.25	8.556E-08	3.86E-08	0.00E+00	1.24E-07	8.47E-08	5.61E-08	0.00E+00	1.41E-07	1.55E-08	9.56E-09	0.00E+00	2.51E-08	8.68E-09	8.25E-09	0.00E+00	1.69E-08
3239	480647.47	3768718.36	8.629E-08	3.89E-08	0.00E+00	1.25E-07	8.54E-08	5.66E-08	0.00E+00	1.42E-07	1.57E-08	9.64E-09	0.00E+00	2.53E-08	8.75E-09	8.32E-09	0.00E+00	1.71E-08
3240	480644.62	3768709.48	8.69E-08	3.92E-08	0.00E+00	1.26E-07	8.60E-08	5.70E-08	0.00E+00	1.43E-07	1.58E-08	9.71E-09	0.00E+00	2.55E-08	8.81E-09	8.38E-09	0.00E+00	1.72E-08
3241	480641.78	3768700.59	8.738E-08	3.94E-08	0.00E+00	1.27E-07	8.65E-08	5.73E-08	0.00E+00	1.44E-07	1.59E-08	9.77E-09	0.00E+00	2.56E-08	8.86E-09	8.43E-09	0.00E+00	1.73E-08
3242	480638.94	3768691.7	8.771E-08	3.96E-08	0.00E+00	1.27E-07	8.68E-08	5.76E-08	0.00E+00	1.44E-07	1.59E-08	9.80E-09	0.00E+00	2.57E-08	8.90E-09	8.46E-09	0.00E+00	1.74E-08
3243	480636.1	3768682.81	8.791E-08	3.96E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.82E-09	0.00E+00	2.58E-08	8.92E-09	8.48E-09	0.00E+00	1.74E-08
3244	480633.26	3768673.92	8.796E-08	3.97E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.83E-09	0.00E+00	2.58E-08	8.92E-09	8.49E-09	0.00E+00	1.74E-08
3245	480630.41	3768665.03	8.788E-08	3.96E-08	0.00E+00	1.28E-07	8.70E-08	5.77E-08	0.00E+00	1.45E-07	1.60E-08	9.82E-09	0.00E+00	2.58E-08	8.91E-09	8.48E-09	0.00E+00	1.74E-08
3246	480627.57	3768656.14	8.766E-08	3.95E-08	0.00E+00	1.27E-07	8.67E-08	5.75E-08	0.00E+00	1.44E-07	1.59E-08	9.80E-09	0.00E+00	2.57E-08	8.89E-09	8.46E-09	0.00E+00	1.73E-08
3247	480624.73	3768647.25	8.73E-08	3.94E-08	0.00E+00	1.27E-07	8.64E-08	5.73E-08	0.00E+00	1.44E-07	1.59E-08	9.76E-09	0.00E+00	2.56E-08	8.86E-09	8.42E-09	0.00E+00	1.73E-08
3248	480621.89	3768638.36	8.681E-08	3.91E-08	0.00E+00	1.26E-07	8.59E-08	5.70E-08	0.00E+00	1.43E-07	1.58E-08	9.70E-09	0.00E+00	2.55E-08	8.81E-09	8.37E-09	0.00E+00	1.72E-08
3249	480619.04	3768629.47	8.618E-08	3.89E-08	0.00E+00	1.25E-07	8.53E-08	5.66E-08	0.00E+00	1.42E-07	1.57E-08	9.63E-09	0.00E+00	2.53E-08	8.74E-09	8.31E-09	0.00E+00	1.71E-08
3250	480616.2	3768620.58	8.543E-08	3.85E-08	0.00E+00	1.24E-07	8.45E-08	5.61E-08	0.00E+00	1.41E-07	1.55E-08	9.55E-09	0.00E+00	2.51E-08	8.67E-09	8.24E-09	0.00E+00	1.69E-08
3251	480613.36	3768611.69	8.455E-08	3.81E-08	0.00E+00	1.23E-07	8.37E-08	5.55E-08	0.00E+00	1.39E-07	1.54E-08	9.45E-09	0.00E+00	2.48E-08	8.58E-09	8.16E-09	0.00E+00	1.67E-08
3252	480610.52	3768602.8	8.356E-08	3.77E-08	0.00E+00	1.21E-07	8.27E-08	5.48E-08	0.00E+00	1.38E-07	1.52E-08	9.34E-09	0.00E+00	2.45E-08	8.48E-09	8.06E-09	0.00E+00	1.65E-08
3253	480607.68	3768593.91	8.246E-08	3.72E-08	0.00E+00	1.20E-07	8.16E-08	5.41E-08	0.00E+00	1.36E-07	1.50E-08	9.22E-09	0.00E+00	2.42E-08	8.36E-09	7.95E-09	0.00E+00	1.63E-08
3254	480604.83	3768585.02	8.125E-08	3.66E-08	0.00E+00	1.18E-07	8.04E-08	5.33E-08	0.00E+00	1.34E-07	1.48E-08	9.08E-09	0.00E+00	2.38E-08	8.24E-09	7.84E-09	0.00E+00	1.61E-08
3255	480601.99	3768576.13	7.994E-08	3.61E-08	0.00E+00	1.16E-07	7.91E-08	5.25E-08	0.00E+00	1.32E-07	1.45E-08	8.93E-09	0.00E+00	2.35E-08	8.11E-09	7.71E-09	0.00E+00	1.58E-08
3256	480599.15	3768567.24	7.854E-08	3.54E-08	0.00E+00	1.14E-07	7.77E-08	5.15E-08	0.00E+00	1.29E-07	1.43E-08	8.78E-09	0.00E+00	2.30E-08	7.97E-09	7.58E-09	0.00E+00	1.55E-08
3257	480596.31	3768558.35	7.705E-08	3.47E-08	0.00E+00	1.12E-07	7.62E-08	5.06E-08	0.00E+00	1.27E-07	1.40E-08	8.61E-09	0.00E+00	2.26E-08	7.82E-09	7.43E-09	0.00E+00	1.52E-08
3258	480593.47	3768549.46	7.548E-08	3.40E-08	0.00E+00	1.10E-07	7.47E-08	4.95E-08	0.00E+00	1.24E-07	1.37E-08	8.44E-09	0.00E+00	2.21E-08	7.66E-09	7.28E-09	0.00E+00	1.49E-08
3259	480590.62	3768540.57	7.383E-08	3.33E-08	0.00E+00	1.07E-07	7.31E-08	4.84E-08	0.00E+00	1.22E-07	1.34E-08	8.25E-09	0.00E+00	2.17E-08	7.49E-09	7.12E-09	0.00E+00	1.46E-08
3260	480587.78	3768531.68	7.213E-08	3.25E-08	0.00E+00	1.05E-07	7.14E-08	4.73E-08	0.00E+00	1.19E-07	1.31E-08	8.06E-09	0.00E+00	2.12E-08	7.32E-09	6.96E-09	0.00E+00	1.43E-08
3261	480584.94	3768522.79	7.036E-08	3.17E-08	0.00E+00	1.02E-07	6.96E-08	4.62E-08	0.00E+00	1.16E-07	1.28E-08	7.86E-09	0.00E+00	2.06E-08	7.14E-09	6.79E-09	0.00E+00	1.39E-08
3262	480582.1	3768513.9	6.856E-08	3.09E-08	0.00E+00	9.95E-08	6.78E-08	4.50E-08	0.00E+00	1.13E-07	1.25E-08	7.66E-09	0.00E+00	2.01E-08	6.95E-09	6.61E-09	0.00E+00	1.36E-08
3263	480579.25	3768505.01	6.67E-08	3.01E-08	0.00E+00	9.68E-08	6.60E-08	4.38E-08	0.00E+00	1.10E-07	1.21E-08	7.46E-09	0.00E+00	1.96E-08	6.77E-09	6.43E-09	0.00E+00	1.32E-08
3264	480576.41	3768496.12	6.482E-08	2.92E-08	0.00E+00	9.41E-08	6.41E-08	4.25E-08	0.00E+00	1.07E-07	1.18E-08	7.24E-09	0.00E+00	1.90E-08	6.58E-09	6.25E-09	0.00E+00	1.28E-08
3265	480573.57	3768487.23	6.289E-08	2.84E-08	0.00E+00	9.13E-08	6.22E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
3266	480570.73	3768478.34	6.094E-08	2.75E-08	0.00E+00	8.84E-08	6.03E-08	4.00E-08	0.00E+00	1.00E-07	1.11E-08	6.81E-09	0.00E+00	1.79E-08	6.18E-09	5.88E-09	0.00E+00	1.21E-08
3267	480567.89	3768469.45	5.919E-08	2.66E-08	0.00E+00	8.56E-08	5.84E-08	3.87E-08	0.00E+00	9.7E-08	1.08E-08	6.60E-09	0.00E+00	1.74E-08	6.00E-09	5.69E-09	0.00E+00	1.18E-08
3268	480565.05	3768460.56	5.744E-08	2.57E-08	0.00E+00	8.28E-08	5.65E-08	3.74E-08	0.00E+00	9.4E-08	1.06E-08	6.39E-09	0.00E+00	1.69E-08	5.82E-09	5.50E-09	0.00E+00	1.15E-08
3269	480562.21	3768451.67	5.569E-08	2.48E-08	0.00E+00	8.00E-08	5.46E-08	3.61E-08	0.00E+00	9.1E-08	1.04E-08	6.18E-09	0.00E+00	1.64E-08	5.65E-09	5.31E-09	0.00E+00	1.12E-08
3270	481002.87	3769035.13	1.716E-08	7.74E-09	0.00E+00	2.49E-08	1.70E-08	1.13E-08	0.00E+00	2.82E-08	3.12E-09	1.92E-09	0.00E+00	5.04E-09	1.74E-09	1.66E-09	0.00E+00	3.40E-09
3271	481011.97	3769037.9	1.653E-08	7.45E-09	0.00E+00	2.40E-08	1.64E-08	1.08E-08	0.00E+00	2.72E-08	3.00E-09	1.85E-09	0.00E+00	4.85E-09	1.68E-09	1.59E-09	0.00E+00	3.27E-09
3272	481021.08	3769040.67	1.593E-08	7.18E-09	0.00E+00	2.31E-08	1.58E-08	1.05E-08	0.00E+00	2.62E-08	2.89E-09	1.78E-09	0.00E+00	4.67E-09	1.62E-09	1.54E-09	0.00E+00	3.15E-09
3273	481030.18	3769043.44	1.535E-08	6.92E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.79E-09	1.72E-09	0.00E+00	4.50E-09	1.56E-09	1.48E-09	0.00E+00	3.04E-09
3276	4809																	

3345	480552.11	3768513.56	6.434E-08	2.90E-08	0.00E+00	9.34E-08	6.37E-08	4.22E-08	0.00E+00	1.06E-07	1.17E-08	7.19E-09	0.00E+00	1.89E-08	6.53E-09	6.21E-09	0.00E+00	1.27E-08
3346	480549.27	3768504.66	6.261E-08	2.82E-08	0.00E+00	9.09E-08	6.20E-08	4.11E-08	0.00E+00	1.03E-07	1.14E-08	7.00E-09	0.00E+00	1.84E-08	6.35E-09	6.04E-09	0.00E+00	1.24E-08
3347	480546.42	3768495.77	6.086E-08	2.74E-08	0.00E+00	8.83E-08	6.02E-08	3.99E-08	0.00E+00	1.00E-07	1.11E-08	6.80E-09	0.00E+00	1.79E-08	6.17E-09	5.87E-09	0.00E+00	1.20E-08
3348	480543.58	3768486.87	5.906E-08	2.66E-08	0.00E+00	8.57E-08	5.84E-08	3.88E-08	0.00E+00	9.72E-08	1.07E-08	6.60E-09	0.00E+00	1.73E-08	5.99E-09	5.70E-09	0.00E+00	1.17E-08
3349	480540.73	3768477.97	5.726E-08	2.58E-08	0.00E+00	8.31E-08	5.67E-08	3.76E-08	0.00E+00	9.42E-08	1.04E-08	6.40E-09	0.00E+00	1.68E-08	5.81E-09	5.52E-09	0.00E+00	1.13E-08
3350	480966.82	3769055.53	1.686E-08	7.60E-09	0.00E+00	2.45E-08	1.67E-08	1.11E-08	0.00E+00	2.77E-08	3.06E-09	1.88E-09	0.00E+00	4.95E-09	1.71E-09	1.63E-09	0.00E+00	3.34E-09
3351	480975.93	3769058.3	1.626E-08	7.33E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.95E-09	1.82E-09	0.00E+00	4.77E-09	1.65E-09	1.57E-09	0.00E+00	3.22E-09
3352	480985.03	3769061.07	1.569E-08	7.08E-09	0.00E+00	2.28E-08	1.55E-08	1.03E-08	0.00E+00	2.58E-08	2.85E-09	1.75E-09	0.00E+00	4.60E-09	1.59E-09	1.51E-09	0.00E+00	3.11E-09
3353	480994.14	3769063.84	1.514E-08	6.83E-09	0.00E+00	2.20E-08	1.50E-08	9.94E-09	0.00E+00	2.49E-08	2.75E-09	1.69E-09	0.00E+00	4.44E-09	1.54E-09	1.46E-09	0.00E+00	3.00E-09
3354	481003.24	3769066.6	1.462E-08	6.59E-09	0.00E+00	2.12E-08	1.45E-08	9.59E-09	0.00E+00	2.41E-08	2.66E-09	1.63E-09	0.00E+00	4.29E-09	1.48E-09	1.41E-09	0.00E+00	2.89E-09
3355	481012.35	3769069.37	1.411E-08	6.36E-09	0.00E+00	2.05E-08	1.40E-08	9.26E-09	0.00E+00	2.32E-08	2.56E-09	1.58E-09	0.00E+00	4.14E-09	1.43E-09	1.36E-09	0.00E+00	2.79E-09
3356	481021.45	3769072.14	1.363E-08	6.15E-09	0.00E+00	1.98E-08	1.35E-08	8.95E-09	0.00E+00	2.24E-08	2.48E-09	1.52E-09	0.00E+00	4.00E-09	1.38E-09	1.32E-09	0.00E+00	2.70E-09
3357	481224	3768532.67	7.775E-07	3.51E-07	0.00E+00	1.13E-06	7.69E-07	5.10E-07	0.00E+00	1.28E-06	1.41E-07	8.69E-08	0.00E+00	2.28E-07	7.89E-08	7.50E-08	0.00E+00	1.54E-07
3358	481220.92	3768542.02	6.766E-07	3.05E-07	0.00E+00	9.82E-07	6.70E-07	4.44E-07	0.00E+00	1.11E-06	1.23E-07	7.56E-08	0.00E+00	1.99E-07	6.86E-08	6.53E-08	0.00E+00	1.34E-07
3359	481217.84	3768551.36	5.956E-07	2.69E-07	0.00E+00	8.64E-07	5.89E-07	3.91E-07	0.00E+00	9.80E-07	1.08E-07	6.66E-08	0.00E+00	1.75E-07	6.04E-08	5.75E-08	0.00E+00	1.18E-07
3360	481214.75	3768560.7	5.285E-07	2.38E-07	0.00E+00	7.67E-07	5.23E-07	3.47E-07	0.00E+00	8.70E-07	9.60E-08	5.91E-08	0.00E+00	1.55E-07	5.36E-08	5.10E-08	0.00E+00	1.05E-07
3361	481211.67	3768570.05	4.716E-07	2.13E-07	0.00E+00	6.84E-07	4.67E-07	3.09E-07	0.00E+00	7.76E-07	8.57E-08	5.27E-08	0.00E+00	1.38E-07	4.78E-08	4.55E-08	0.00E+00	9.33E-08
3362	481208.59	3768579.39	4.225E-07	1.91E-07	0.00E+00	6.13E-07	4.18E-07	2.77E-07	0.00E+00	6.95E-07	7.68E-08	4.72E-08	0.00E+00	1.24E-07	4.29E-08	4.08E-08	0.00E+00	8.36E-08
3363	481205.51	3768588.74	3.798E-07	1.71E-07	0.00E+00	5.51E-07	3.76E-07	2.49E-07	0.00E+00	6.25E-07	6.90E-08	4.25E-08	0.00E+00	1.11E-07	3.85E-08	3.66E-08	0.00E+00	7.52E-08
3364	481202.43	3768598.08	3.425E-07	1.54E-07	0.00E+00	4.97E-07	3.39E-07	2.25E-07	0.00E+00	5.64E-07	6.22E-08	3.83E-08	0.00E+00	1.01E-07	3.47E-08	3.30E-08	0.00E+00	6.78E-08
3365	481199.35	3768607.42	3.097E-07	1.40E-07	0.00E+00	4.49E-07	3.06E-07	2.03E-07	0.00E+00	5.10E-07	5.63E-08	3.46E-08	0.00E+00	9.09E-08	3.14E-08	2.99E-08	0.00E+00	6.13E-08
3366	481196.27	3768616.77	2.806E-07	1.27E-07	0.00E+00	4.07E-07	2.78E-07	1.84E-07	0.00E+00	4.62E-07	5.10E-08	3.14E-08	0.00E+00	8.23E-08	2.85E-08	2.71E-08	0.00E+00	5.55E-08
3367	481193.19	3768626.11	2.547E-07	1.15E-07	0.00E+00	3.70E-07	2.52E-07	1.67E-07	0.00E+00	4.19E-07	4.63E-08	2.85E-08	0.00E+00	7.47E-08	2.58E-08	2.46E-08	0.00E+00	5.04E-08
3368	481190.11	3768635.45	2.316E-07	1.04E-07	0.00E+00	3.36E-07	2.29E-07	1.52E-07	0.00E+00	3.81E-07	4.21E-08	2.59E-08	0.00E+00	6.80E-08	2.35E-08	2.23E-08	0.00E+00	4.58E-08
3369	481187.03	3768644.8	2.109E-07	9.51E-08	0.00E+00	3.06E-07	2.09E-07	1.38E-07	0.00E+00	3.47E-07	3.83E-08	2.36E-08	0.00E+00	6.19E-08	2.14E-08	2.03E-08	0.00E+00	4.17E-08
3370	481183.95	3768654.14	1.924E-07	8.68E-08	0.00E+00	2.79E-07	1.90E-07	1.26E-07	0.00E+00	3.17E-07	3.50E-08	2.15E-08	0.00E+00	5.65E-08	1.95E-08	1.86E-08	0.00E+00	3.81E-08
3371	481180.86	3768663.49	1.758E-07	7.93E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.16E-08	1.78E-08	1.70E-08	0.00E+00	3.48E-08
3372	481177.78	3768672.83	1.608E-07	7.25E-08	0.00E+00	2.33E-07	1.59E-07	1.06E-07	0.00E+00	2.65E-07	2.92E-08	1.80E-08	0.00E+00	4.72E-08	1.63E-08	1.55E-08	0.00E+00	3.18E-08
3373	481174.7	3768682.17	1.474E-07	6.65E-08	0.00E+00	2.14E-07	1.46E-07	9.67E-08	0.00E+00	2.43E-07	2.68E-08	1.65E-08	0.00E+00	4.32E-08	1.49E-08	1.42E-08	0.00E+00	2.92E-08
3374	481171.62	3768691.52	1.352E-07	6.10E-08	0.00E+00	1.96E-07	1.34E-07	8.87E-08	0.00E+00	2.23E-07	2.46E-08	1.51E-08	0.00E+00	3.97E-08	1.37E-08	1.30E-08	0.00E+00	2.68E-08
3375	481168.54	3768700.86	1.243E-07	5.61E-08	0.00E+00	1.80E-07	1.23E-07	8.16E-08	0.00E+00	2.05E-07	2.26E-08	1.39E-08	0.00E+00	3.65E-08	1.26E-08	1.20E-08	0.00E+00	2.46E-08
3376	481165.46	3768710.21	1.144E-07	5.16E-08	0.00E+00	1.66E-07	1.13E-07	7.51E-08	0.00E+00	1.88E-07	2.08E-08	1.28E-08	0.00E+00	3.36E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
3377	481162.38	3768719.55	1.054E-07	4.76E-08	0.00E+00	1.53E-07	1.04E-07	6.92E-08	0.00E+00	1.74E-07	1.92E-08	1.18E-08	0.00E+00	3.09E-08	1.07E-08	1.02E-08	0.00E+00	2.09E-08
3378	481159.3	3768728.89	9.733E-08	4.39E-08	0.00E+00	1.41E-07	9.63E-08	6.39E-08	0.00E+00	1.60E-07	1.77E-08	1.09E-08	0.00E+00	2.86E-08	9.87E-09	9.39E-09	0.00E+00	1.93E-08
3379	481150.66	3768756.93	7.723E-08	3.48E-08	0.00E+00	1.12E-07	7.64E-08	5.07E-08	0.00E+00	1.27E-07	1.40E-08	8.63E-09	0.00E+00	2.27E-08	7.83E-09	7.45E-09	0.00E+00	1.53E-08
3380	481146.97	3768766.27	7.172E-08	3.23E-08	0.00E+00	1.04E-07	7.10E-08	4.71E-08	0.00E+00	1.18E-07	1.30E-08	8.02E-09	0.00E+00	2.10E-08	7.28E-09	6.92E-09	0.00E+00	1.42E-08
3381	481143.89	3768775.61	6.67E-08	3.01E-08	0.00E+00	9.68E-08	6.60E-08	4.38E-08	0.00E+00	1.10E-07	1.21E-08	7.46E-09	0.00E+00	1.96E-08	6.77E-09	6.43E-09	0.00E+00	1.32E-08
3382	481140.81	3768784.96	6.212E-08	2.80E-08	0.00E+00	9.01E-08	6.15E-08	4.08E-08	0.00E+00	1.02E-07	1.13E-08	6.94E-09	0.00E+00	1.82E-08	6.30E-09	5.99E-09	0.00E+00	1.23E-08
3383	481138.94	3768851.28	3.904E-08	1.76E-08	0.00E+00	5.66E-08	3.86E-08	2.56E-08	0.00E+00	6.43E-08	7.09E-09	4.36E-09	0.00E+00	1.15E-08	3.96E-09	3.77E-09	0.00E+00	7.73E-09
3384	481109.55	3768879.77	3.266E-08	1.47E-08	0.00E+00	4.74E-08	3.23E-08	2.14E-08	0.00E+00	5.38E-08	5.93E-09	3.65E-09	0.00E+00	9.58E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
3385	481240.43	3768537.67	7.616E-07	3.43E-07	0.00E+00	1.11E-06	7.54E-07	5.00E-07	0.00E+00	1.25E-06	1.38E-07	8.51E-08	0.00E+00	2.24E-07	7.73E-08	7.35E-08	0.00E+00	1.51E-07
3386	481229.69	3768544.69	6.682E-07	3.01E-07	0.00E+00	9.70E-07	6.61E-07	4.38E-07	0.00E+00	1.10E-06	1.21E-07	7.47E-08	0.00E+00	1.96E-07	6.78E-08	6.45E-08	0.00E+00	1.32E-07
3387	481226.83	3768554.11	5.859E-07	2.64E-07	0.00E+00	8.50E-07	5.80E-07	3.84E-07	0.00E+00	9.64E-07	1.06E-07	6.55E-08	0.00E+00	1.72E-07	5.94E-08	5.65E-08	0.00E+00	1.16E-07
3388	481223.97	3768563.52	5.181E-07	2.34E-07	0.00E+00	7.52E-07	5.13E-07	3.40E-07	0.00E+00	8.53E-07	9.41E-08	5.79E-08	0.00E+00	1.52E-07	5.26E-08	5.00E-08	0.00E+00	1.03E-07
3389	481221.11	3768572.93	4.606E-07	2.08E-07	0.00E+00	6.68E-07	4.56E-07	3.02E-07	0.00E+00	7.58E-07	8.37E-08	5.15E-08	0.00E+00	1.35E-07	4.67E-08	4.44E-08	0.00E+00	9.12E-08
3390	481218.25	3768582.35	4.111E-07	1.85E-07	0.00E+00	5.97E-07	4.07E-07	2.70E-07	0.00E+00	6.77E-07	7.47E-08	4.59E-08	0.00E+00	1.21E-07	4.17E-08	3.97E-08	0.00E+00	8.14E-08
3391	481215.39	3768591.76	3.682E-07	1.66E-07	0.00E+00	5.34E-07	3.64E-07	2.42E-07	0.00E+00	6.06E-07	6.69E-08	4.11E-08	0.00E+00	1.08E-07	3.73E-08	3.55E-08	0.00E+00	7.29E-08
3392	481212.53	3768601.18	3.306E-07	1.49E-07	0.00E+00	4.80E-07	3.27E-07	2.17E-07	0.00E+00	5.44E-07	6.01E-08	3.70E-08	0.00E+00	9.70E-08	3.35E-08	3.19E-08	0.00E+00	6.54E-08
3393	481209.67	3768610.59	2.977E-07	1.34E-07	0.00E+00	4.32E-07	2.95E-07	1.95E-07	0.00E+00	4.90E-07	5.41E-08	3.33E-08	0.00E+00	8.74E-08	3.02E-08	2.87E-08	0.00E+00	5.89E-08
339																		

3471	481175.13	3768774.82	6.044E-08	2.73E-08	0.00E+00	8.77E-08	5.98E-08	3.97E-08	0.00E+00	9.95E-08	1.10E-08	6.76E-09	0.00E+00	1.77E-08	6.13E-09	5.83E-09	0.00E+00	1.20E-08
3472	481190.9	3768779.21	5.476E-08	2.47E-08	0.00E+00	7.95E-08	5.42E-08	3.59E-08	0.00E+00	9.01E-08	9.95E-09	6.12E-09	0.00E+00	1.61E-08	5.55E-09	5.28E-09	0.00E+00	1.08E-08
3473	481172.49	3768784.3	5.607E-08	2.53E-08	0.00E+00	8.14E-08	5.55E-08	3.68E-08	0.00E+00	9.23E-08	1.02E-08	6.27E-09	0.00E+00	1.65E-08	5.69E-09	5.41E-09	0.00E+00	1.11E-08
3474	481188.26	3768788.69	5.084E-08	2.29E-08	0.00E+00	7.38E-08	5.03E-08	3.34E-08	0.00E+00	8.37E-08	9.24E-09	5.68E-09	0.00E+00	1.49E-08	5.16E-09	4.90E-09	0.00E+00	1.01E-08
3475	481169.85	3768793.78	5.21E-08	2.35E-08	0.00E+00	7.56E-08	5.16E-08	3.42E-08	0.00E+00	8.57E-08	9.47E-09	5.82E-09	0.00E+00	1.53E-08	5.29E-09	5.03E-09	0.00E+00	1.03E-08
3476	481185.62	3768798.17	4.729E-08	2.13E-08	0.00E+00	6.86E-08	4.68E-08	3.10E-08	0.00E+00	7.78E-08	8.59E-09	5.29E-09	0.00E+00	1.39E-08	4.80E-09	4.56E-09	0.00E+00	9.36E-09
3477	481167.22	3768803.26	4.85E-08	2.19E-08	0.00E+00	7.04E-08	4.80E-08	3.18E-08	0.00E+00	7.98E-08	8.81E-09	5.42E-09	0.00E+00	1.42E-08	4.92E-09	4.68E-09	0.00E+00	9.60E-09
3478	481182.99	3768807.65	4.407E-08	1.99E-08	0.00E+00	6.39E-08	4.36E-08	2.89E-08	0.00E+00	7.25E-08	8.01E-09	4.93E-09	0.00E+00	1.29E-08	4.47E-09	4.25E-09	0.00E+00	8.72E-09
3479	481159.17	3768832.16	3.941E-08	1.78E-08	0.00E+00	5.72E-08	3.90E-08	2.59E-08	0.00E+00	6.49E-08	7.16E-09	4.40E-09	0.00E+00	1.16E-08	4.00E-09	3.80E-09	0.00E+00	7.80E-09
3480	481174.94	3768836.55	3.594E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.53E-09	4.02E-09	0.00E+00	1.05E-08	3.65E-09	3.47E-09	0.00E+00	7.11E-09
3481	481147.03	3768859.87	3.329E-08	1.50E-08	0.00E+00	4.83E-08	3.29E-08	2.18E-08	0.00E+00	5.48E-08	6.05E-09	3.72E-09	0.00E+00	9.77E-09	3.38E-09	3.21E-09	0.00E+00	6.59E-09
3482	481159.01	3768863.26	3.113E-08	1.40E-08	0.00E+00	4.52E-08	3.08E-08	2.04E-08	0.00E+00	5.12E-08	5.66E-09	3.48E-09	0.00E+00	9.14E-09	3.16E-09	3.00E-09	0.00E+00	6.16E-09
3483	481143.08	3768869.96	2.723E-08	1.23E-08	0.00E+00	3.95E-08	2.69E-08	1.79E-08	0.00E+00	4.48E-08	4.95E-09	3.04E-09	0.00E+00	7.99E-09	2.76E-09	2.63E-09	0.00E+00	5.39E-09
3484	481158.85	3768894.35	2.507E-08	1.13E-08	0.00E+00	3.64E-08	2.48E-08	1.65E-08	0.00E+00	4.13E-08	4.56E-09	2.80E-09	0.00E+00	7.36E-09	2.54E-09	2.42E-09	0.00E+00	4.96E-09
3485	481142.92	3768921.06	2.222E-08	1.00E-08	0.00E+00	3.22E-08	2.20E-08	1.46E-08	0.00E+00	3.66E-08	4.04E-09	2.48E-09	0.00E+00	6.52E-09	2.25E-09	2.14E-09	0.00E+00	4.40E-09
3491	481270.5	3768545.92	7.187E-07	3.24E-07	0.00E+00	1.04E-06	7.11E-07	4.72E-07	0.00E+00	1.18E-06	1.31E-07	8.03E-08	0.00E+00	2.11E-07	7.29E-08	6.93E-08	0.00E+00	1.42E-07
3492	481267.94	3768555.42	6.116E-07	2.76E-07	0.00E+00	8.87E-07	6.05E-07	4.01E-07	0.00E+00	1.01E-06	1.11E-07	6.84E-08	0.00E+00	1.79E-07	6.20E-08	5.90E-08	0.00E+00	1.21E-07
3493	481265.39	3768564.92	5.269E-07	2.38E-07	0.00E+00	7.65E-07	5.21E-07	3.46E-07	0.00E+00	8.67E-07	9.57E-08	5.89E-08	0.00E+00	1.55E-07	5.34E-08	5.08E-08	0.00E+00	1.04E-07
3494	481262.84	3768574.42	4.58E-07	2.07E-07	0.00E+00	6.65E-07	4.53E-07	3.01E-07	0.00E+00	7.54E-07	8.32E-08	5.12E-08	0.00E+00	1.34E-07	4.65E-08	4.42E-08	0.00E+00	9.06E-08
3495	481260.29	3768583.93	4.007E-07	1.81E-07	0.00E+00	5.81E-07	3.96E-07	2.63E-07	0.00E+00	6.59E-07	7.05E-08	4.48E-08	0.00E+00	1.18E-07	4.06E-08	3.87E-08	0.00E+00	7.93E-08
3496	481257.74	3768593.43	3.523E-07	1.59E-07	0.00E+00	5.11E-07	3.49E-07	2.31E-07	0.00E+00	5.80E-07	6.40E-08	3.94E-08	0.00E+00	1.03E-07	3.57E-08	3.40E-08	0.00E+00	6.97E-08
3497	481255.19	3768602.93	3.112E-07	1.40E-07	0.00E+00	4.52E-07	3.08E-07	2.04E-07	0.00E+00	5.12E-07	5.65E-08	3.48E-08	0.00E+00	9.13E-08	3.16E-08	3.00E-08	0.00E+00	6.16E-08
3498	481252.64	3768612.43	2.759E-07	1.24E-07	0.00E+00	4.00E-07	2.73E-07	1.81E-07	0.00E+00	4.54E-07	5.01E-08	3.08E-08	0.00E+00	8.10E-08	2.80E-08	2.66E-08	0.00E+00	5.46E-08
3499	481250.08	3768621.93	2.454E-07	1.11E-07	0.00E+00	3.56E-07	2.43E-07	1.61E-07	0.00E+00	4.04E-07	4.46E-08	2.74E-08	0.00E+00	7.20E-08	2.49E-08	2.37E-08	0.00E+00	4.86E-08
3500	481247.53	3768631.44	2.189E-07	9.87E-08	0.00E+00	3.18E-07	2.17E-07	1.44E-07	0.00E+00	3.60E-07	3.98E-08	2.45E-08	0.00E+00	6.42E-08	2.22E-08	2.11E-08	0.00E+00	4.33E-08
3501	481244.98	3768640.94	1.959E-07	8.83E-08	0.00E+00	2.84E-07	1.94E-07	1.29E-07	0.00E+00	3.22E-07	3.56E-08	2.19E-08	0.00E+00	5.75E-08	1.99E-08	1.89E-08	0.00E+00	3.88E-08
3502	481242.43	3768650.44	1.757E-07	7.93E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.16E-08	1.78E-08	1.70E-08	0.00E+00	3.48E-08
3503	481239.88	3768659.94	1.581E-07	7.13E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.78E-08	1.77E-08	0.00E+00	4.64E-08	1.60E-08	1.53E-08	0.00E+00	3.13E-08
3504	481237.33	3768669.44	1.425E-07	6.43E-08	0.00E+00	2.07E-07	1.41E-07	9.35E-08	0.00E+00	2.35E-07	2.59E-08	1.59E-08	0.00E+00	4.18E-08	1.45E-08	1.38E-08	0.00E+00	2.82E-08
3505	481234.78	3768678.95	1.288E-07	5.81E-08	0.00E+00	1.87E-07	1.27E-07	8.45E-08	0.00E+00	2.12E-07	2.34E-08	1.44E-08	0.00E+00	3.78E-08	1.31E-08	1.24E-08	0.00E+00	2.55E-08
3506	481232.22	3768688.45	1.168E-07	5.27E-08	0.00E+00	1.69E-07	1.16E-07	7.66E-08	0.00E+00	1.92E-07	2.12E-08	1.30E-08	0.00E+00	3.43E-08	1.18E-08	1.13E-08	0.00E+00	2.31E-08
3507	481229.67	3768697.95	1.061E-07	4.78E-08	0.00E+00	1.54E-07	1.05E-07	6.96E-08	0.00E+00	1.75E-07	1.93E-08	1.19E-08	0.00E+00	3.11E-08	1.08E-08	1.02E-08	0.00E+00	2.10E-08
3508	481227.12	3768707.45	9.656E-08	4.35E-08	0.00E+00	1.40E-07	9.55E-08	6.34E-08	0.00E+00	1.59E-07	1.75E-08	1.08E-08	0.00E+00	2.83E-08	9.79E-09	9.31E-09	0.00E+00	1.91E-08
3509	481224.57	3768716.96	8.811E-08	3.97E-08	0.00E+00	1.28E-07	8.72E-08	5.78E-08	0.00E+00	1.45E-07	1.60E-08	9.85E-09	0.00E+00	2.59E-08	8.94E-09	8.50E-09	0.00E+00	1.74E-08
3510	481222.02	3768726.46	8.06E-08	3.63E-08	0.00E+00	1.17E-07	7.98E-08	5.29E-08	0.00E+00	1.33E-07	1.46E-08	9.01E-09	0.00E+00	2.37E-08	8.18E-09	7.78E-09	0.00E+00	1.60E-08
3511	481212.78	3768734.16	7.726E-08	3.48E-08	0.00E+00	1.12E-07	7.65E-08	5.07E-08	0.00E+00	1.27E-07	1.40E-08	8.63E-09	0.00E+00	2.27E-08	7.84E-09	7.45E-09	0.00E+00	1.53E-08
3512	481205.13	3768762.67	6.03E-08	2.72E-08	0.00E+00	8.75E-08	5.97E-08	3.96E-08	0.00E+00	9.92E-08	1.10E-08	6.74E-09	0.00E+00	1.77E-08	6.12E-09	5.82E-09	0.00E+00	1.19E-08
3513	481202.58	3768772.17	5.576E-08	2.51E-08	0.00E+00	8.09E-08	5.52E-08	3.66E-08	0.00E+00	9.18E-08	1.01E-08	6.23E-09	0.00E+00	1.64E-08	5.66E-09	5.38E-09	0.00E+00	1.10E-08
3514	481200.02	3768781.68	5.167E-08	2.33E-08	0.00E+00	7.50E-08	5.11E-08	3.39E-08	0.00E+00	8.50E-08	9.39E-09	5.77E-09	0.00E+00	1.52E-08	5.24E-09	4.98E-09	0.00E+00	1.02E-08
3515	481197.47	3768791.18	4.797E-08	2.16E-08	0.00E+00	6.96E-08	4.75E-08	3.15E-08	0.00E+00	7.90E-08	8.72E-09	5.36E-09	0.00E+00	1.41E-08	4.87E-09	4.63E-09	0.00E+00	9.49E-09
3516	481194.92	3768800.68	4.463E-08	2.01E-08	0.00E+00	6.48E-08	4.42E-08	2.93E-08	0.00E+00	7.35E-08	8.11E-09	4.99E-09	0.00E+00	1.31E-08	4.53E-09	4.31E-09	0.00E+00	8.83E-09
3517	481192.37	3768810.18	4.16E-08	1.88E-08	0.00E+00	6.04E-08	4.12E-08	2.73E-08	0.00E+00	6.85E-08	7.56E-09	4.65E-09	0.00E+00	1.22E-08	4.22E-09	4.01E-09	0.00E+00	8.23E-09
3518	481184.59	3768839.16	3.398E-08	1.53E-08	0.00E+00	4.93E-08	3.36E-08	2.23E-08	0.00E+00	5.59E-08	6.17E-09	3.80E-09	0.00E+00	9.97E-09	3.45E-09	3.28E-09	0.00E+00	6.72E-09
3519	481170.13	3768866.33	2.927E-08	1.32E-08	0.00E+00	4.25E-08	2.90E-08	1.92E-08	0.00E+00	4.82E-08	5.32E-09	3.27E-09	0.00E+00	8.59E-09	2.97E-09	2.82E-09	0.00E+00	5.79E-09
3520	481183.5	3768869.92	2.721E-08	1.23E-08	0.00E+00	3.95E-08	2.69E-08	1.79E-08	0.00E+00	4.48E-08	4.94E-09	3.04E-09	0.00E+00	7.98E-09	2.76E-09	2.62E-09	0.00E+00	5.38E-09
3521	481169.03	3768897.1	2.379E-08	1.07E-08	0.00E+00	3.45E-08	2.35E-08	1.56E-08	0.00E+00	3.92E-08	4.32E-09	2.66E-09	0.00E+00	6.98E-09	2.41E-09	2.30E-09	0.00E+00	4.71E-09
3522	481154.57	3768924.28	2.1E-08	9.47E-09	0.00E+00	3.05E-08	2.08E-08	1.38E-08	0.00E+00	3.46E-08	3.82E-09	2.35E-09	0.00E+00	6.16E-09	2.13E-09	2.03E-09	0.00E+00	4.16E-09
3523	481167.94	3768927.87	1.972E-08	8.89E-09	0.00E+00	2.86E-08	1.95E-08	1.29E-08	0.00E+00	3.24E-08	3.58E-09	2.20E-09	0.00E+00	5.79E-09	2.00E-09	1.90E-09	0.00E+00	3.90E-09
3524	481146.79	3768953.25	1.814E-08	8.18E-09	0.00E+00	2.63E-08	1.80E-08	1.19E-08	0.00E+00	2.99E-08	3.30E-09	2.03E-09	0.00E+00	5.32E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
3525																		

3594	481179.8	3768930.43	1.874E-08	8.45E-09	0.00E+00	2.72E-08	1.85E-08	1.23E-08	0.00E+00	3.08E-08	3.40E-09	2.09E-09	0.00E+00	5.50E-09	1.90E-09	1.81E-09	0.00E+00	3.71E-09
3595	481216.14	3768937.92	1.619E-08	7.30E-09	0.00E+00	2.35E-08	1.60E-08	1.06E-08	0.00E+00	2.66E-08	2.94E-09	1.81E-09	0.00E+00	4.75E-09	1.64E-09	1.56E-09	0.00E+00	3.20E-09
3596	481198.25	3768965.06	1.478E-08	6.67E-09	0.00E+00	2.14E-08	1.46E-08	9.70E-09	0.00E+00	2.43E-08	2.69E-09	1.65E-09	0.00E+00	4.34E-09	1.50E-09	1.43E-09	0.00E+00	2.93E-09
3597	481185.55	3768962.32	1.55E-08	6.99E-09	0.00E+00	2.25E-08	1.53E-08	1.02E-08	0.00E+00	2.55E-08	2.82E-09	1.73E-09	0.00E+00	4.55E-09	1.57E-09	1.50E-09	0.00E+00	3.07E-09
3598	481172.86	3768959.58	1.627E-08	7.34E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.96E-09	1.82E-09	0.00E+00	4.78E-09	1.65E-09	1.57E-09	0.00E+00	3.22E-09
3599	481211.29	3768967.52	1.413E-08	6.37E-09	0.00E+00	2.05E-08	1.40E-08	9.27E-09	0.00E+00	2.33E-08	2.57E-09	1.58E-09	0.00E+00	4.15E-09	1.43E-09	1.36E-09	0.00E+00	2.80E-09
3600	481193.83	3768994.76	1.298E-08	5.85E-09	0.00E+00	1.88E-08	1.28E-08	8.52E-09	0.00E+00	2.14E-08	2.36E-09	1.45E-09	0.00E+00	3.81E-09	1.32E-09	1.25E-09	0.00E+00	2.57E-09
3601	481181.99	3768992.2	1.351E-08	6.09E-09	0.00E+00	1.96E-08	1.34E-08	8.87E-09	0.00E+00	2.22E-08	2.45E-09	1.51E-09	0.00E+00	3.96E-09	1.37E-09	1.30E-09	0.00E+00	2.67E-09
3602	481170.14	3768989.65	1.408E-08	6.35E-09	0.00E+00	2.04E-08	1.39E-08	9.24E-09	0.00E+00	2.32E-08	2.56E-09	1.57E-09	0.00E+00	4.13E-09	1.43E-09	1.36E-09	0.00E+00	2.79E-09
3603	481206.44	3768997.13	1.247E-08	5.63E-09	0.00E+00	1.81E-08	1.23E-08	8.19E-09	0.00E+00	2.05E-08	2.27E-09	1.39E-09	0.00E+00	3.66E-09	1.27E-09	1.20E-09	0.00E+00	2.47E-09
3604	481176.04	3769021.57	1.2E-08	5.41E-09	0.00E+00	1.74E-08	1.19E-08	7.88E-09	0.00E+00	1.98E-08	2.18E-09	1.34E-09	0.00E+00	3.52E-09	1.22E-09	1.16E-09	0.00E+00	2.38E-09
3605	481163.46	3769018.86	1.25E-08	5.64E-09	0.00E+00	1.81E-08	1.24E-08	8.20E-09	0.00E+00	2.06E-08	2.27E-09	1.40E-09	0.00E+00	3.67E-09	1.27E-09	1.21E-09	0.00E+00	2.47E-09
3606	481191.89	3769085.94	9.048E-09	4.08E-09	0.00E+00	1.31E-08	8.95E-09	5.94E-09	0.00E+00	1.49E-08	1.64E-09	1.01E-09	0.00E+00	2.66E-09	9.18E-10	8.73E-10	0.00E+00	1.79E-09
3607	481173.79	3769113.04	8.492E-09	3.83E-09	0.00E+00	1.23E-08	8.40E-09	5.57E-09	0.00E+00	1.40E-08	1.54E-09	9.49E-10	0.00E+00	2.49E-09	8.61E-10	8.19E-10	0.00E+00	1.68E-09
3608	481160.66	3769110.21	8.767E-09	3.95E-09	0.00E+00	1.27E-08	8.68E-09	5.75E-09	0.00E+00	1.44E-08	1.59E-09	9.80E-10	0.00E+00	2.57E-09	8.89E-10	8.46E-10	0.00E+00	1.74E-09
3609	481147.52	3769107.38	9.059E-09	4.09E-09	0.00E+00	1.31E-08	8.96E-09	5.94E-09	0.00E+00	1.49E-08	1.65E-09	1.01E-09	0.00E+00	2.66E-09	9.19E-10	8.74E-10	0.00E+00	1.79E-09
3610	481134.39	3769104.54	9.373E-09	4.23E-09	0.00E+00	1.36E-08	9.27E-09	6.15E-09	0.00E+00	1.54E-08	1.70E-09	1.05E-09	0.00E+00	2.75E-09	9.51E-10	9.04E-10	0.00E+00	1.85E-09
3611	481187.04	3769115.55	8.242E-09	3.72E-09	0.00E+00	1.20E-08	8.16E-09	5.41E-09	0.00E+00	1.36E-08	1.50E-09	9.21E-10	0.00E+00	2.42E-09	8.36E-10	7.95E-10	0.00E+00	1.63E-09
3612	481294.7	3768559.84	5.733E-07	2.59E-07	0.00E+00	8.32E-07	5.67E-07	3.76E-07	0.00E+00	9.44E-07	1.04E-07	6.41E-08	0.00E+00	1.68E-07	5.82E-08	5.53E-08	0.00E+00	1.13E-07
3613	481303.58	3768561.14	5.68E-07	2.52E-07	0.00E+00	8.10E-07	5.52E-07	3.66E-07	0.00E+00	9.18E-07	1.01E-07	6.24E-08	0.00E+00	1.64E-07	5.66E-08	5.38E-08	0.00E+00	1.10E-07
3614	481293.27	3768569.58	4.852E-07	2.19E-07	0.00E+00	7.04E-07	4.80E-07	3.18E-07	0.00E+00	7.98E-07	8.82E-08	5.42E-08	0.00E+00	1.42E-07	4.92E-08	4.68E-08	0.00E+00	9.60E-08
3615	481291.85	3768579.31	4.144E-07	1.87E-07	0.00E+00	6.01E-07	4.10E-07	2.72E-07	0.00E+00	6.82E-07	7.53E-08	4.63E-08	0.00E+00	1.22E-07	4.20E-08	4.00E-08	0.00E+00	8.20E-08
3616	481290.42	3768589.05	3.563E-07	1.61E-07	0.00E+00	5.17E-07	3.53E-07	2.34E-07	0.00E+00	5.86E-07	6.47E-08	3.98E-08	0.00E+00	1.05E-07	3.61E-08	3.44E-08	0.00E+00	7.05E-08
3617	481289	3768598.78	3.081E-07	1.39E-07	0.00E+00	4.47E-07	3.05E-07	2.02E-07	0.00E+00	5.07E-07	5.60E-08	3.44E-08	0.00E+00	9.04E-08	3.12E-08	2.97E-08	0.00E+00	6.10E-08
3618	481287.57	3768608.51	2.677E-07	1.21E-07	0.00E+00	3.88E-07	2.65E-07	1.76E-07	0.00E+00	4.41E-07	4.86E-08	2.99E-08	0.00E+00	7.08E-08	2.72E-08	2.58E-08	0.00E+00	5.30E-08
3619	481286.15	3768618.25	2.336E-07	1.05E-07	0.00E+00	3.39E-07	2.31E-07	1.53E-07	0.00E+00	3.84E-07	4.24E-08	2.61E-08	0.00E+00	6.85E-08	2.37E-08	2.25E-08	0.00E+00	4.62E-08
3620	481284.72	3768627.98	2.046E-07	9.23E-08	0.00E+00	2.97E-07	2.02E-07	1.34E-07	0.00E+00	3.37E-07	3.72E-08	2.29E-08	0.00E+00	6.01E-08	2.08E-08	1.97E-08	0.00E+00	4.05E-08
3621	481283.3	3768637.72	1.799E-07	8.11E-08	0.00E+00	2.61E-07	1.78E-07	1.18E-07	0.00E+00	2.96E-07	3.27E-08	2.01E-08	0.00E+00	5.28E-08	1.83E-08	1.74E-08	0.00E+00	3.56E-08
3622	481281.87	3768647.45	1.588E-07	7.16E-08	0.00E+00	2.30E-07	1.57E-07	1.04E-07	0.00E+00	2.61E-07	2.89E-08	1.77E-08	0.00E+00	4.66E-08	1.61E-08	1.53E-08	0.00E+00	3.14E-08
3623	481271.57	3768655.89	1.482E-07	6.69E-08	0.00E+00	2.15E-07	1.47E-07	9.73E-08	0.00E+00	2.44E-07	2.69E-08	1.66E-08	0.00E+00	4.35E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
3624	481289.33	3768658.49	1.329E-07	6.00E-08	0.00E+00	1.93E-07	1.32E-07	8.72E-08	0.00E+00	2.19E-07	2.42E-08	1.49E-08	0.00E+00	3.90E-08	1.35E-08	1.28E-08	0.00E+00	2.63E-08
3625	481270.14	3768665.62	1.319E-07	5.95E-08	0.00E+00	1.91E-07	1.30E-07	8.65E-08	0.00E+00	2.17E-07	2.40E-08	1.47E-08	0.00E+00	3.87E-08	1.34E-08	1.27E-08	0.00E+00	2.61E-08
3626	481279.02	3768666.92	1.249E-07	5.63E-08	0.00E+00	1.81E-07	1.24E-07	8.20E-08	0.00E+00	2.06E-07	2.27E-08	1.40E-08	0.00E+00	3.67E-08	1.27E-08	1.20E-08	0.00E+00	2.47E-08
3627	481268.72	3768675.36	1.176E-07	5.31E-08	0.00E+00	1.71E-07	1.16E-07	7.72E-08	0.00E+00	1.94E-07	2.14E-08	1.31E-08	0.00E+00	3.45E-08	1.19E-08	1.13E-08	0.00E+00	2.33E-08
3628	481277.6	3768676.66	1.113E-07	5.02E-08	0.00E+00	1.62E-07	1.10E-07	7.31E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.27E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
3629	481267.29	3768685.09	1.053E-07	4.75E-08	0.00E+00	1.53E-07	1.04E-07	6.91E-08	0.00E+00	1.73E-07	1.91E-08	1.18E-08	0.00E+00	3.09E-08	1.07E-08	1.02E-08	0.00E+00	2.08E-08
3630	481276.17	3768686.39	9.961E-08	4.49E-08	0.00E+00	1.45E-07	9.86E-08	6.54E-08	0.00E+00	1.64E-07	1.81E-08	1.11E-08	0.00E+00	2.92E-08	1.01E-08	9.61E-09	0.00E+00	1.97E-08
3631	481265.87	3768694.83	9.457E-08	4.26E-08	0.00E+00	1.37E-07	9.36E-08	6.21E-08	0.00E+00	1.56E-07	1.72E-08	1.06E-08	0.00E+00	2.78E-08	9.59E-09	9.12E-09	0.00E+00	1.87E-08
3632	481274.75	3768696.13	8.94E-08	4.03E-08	0.00E+00	1.30E-07	8.85E-08	5.87E-08	0.00E+00	1.47E-07	1.62E-08	9.99E-09	0.00E+00	2.62E-08	9.07E-09	8.62E-09	0.00E+00	1.77E-08
3633	481264.44	3768704.56	8.518E-08	3.84E-08	0.00E+00	1.24E-07	8.43E-08	5.59E-08	0.00E+00	1.40E-07	1.55E-08	9.52E-09	0.00E+00	2.50E-08	8.64E-09	8.22E-09	0.00E+00	1.69E-08
3634	481282.2	3768707.16	7.599E-08	3.43E-08	0.00E+00	1.10E-07	7.52E-08	4.99E-08	0.00E+00	1.25E-07	1.38E-08	8.49E-09	0.00E+00	2.23E-08	7.71E-09	7.33E-09	0.00E+00	1.50E-08
3635	481263.02	3768714.3	7.693E-08	3.47E-08	0.00E+00	1.12E-07	7.61E-08	5.05E-08	0.00E+00	1.27E-07	1.40E-08	8.60E-09	0.00E+00	2.26E-08	7.80E-09	7.42E-09	0.00E+00	1.52E-08
3636	481280.78	3768716.9	6.866E-08	3.10E-08	0.00E+00	9.96E-08	6.79E-08	4.51E-08	0.00E+00	1.13E-07	1.25E-08	7.67E-09	0.00E+00	2.02E-08	6.97E-09	6.62E-09	0.00E+00	1.36E-08
3637	481261.59	3768724.03	6.97E-08	3.14E-08	0.00E+00	1.01E-07	6.90E-08	4.57E-08	0.00E+00	1.15E-07	1.27E-08	7.79E-09	0.00E+00	2.05E-08	7.07E-09	6.72E-09	0.00E+00	1.38E-08
3638	481279.35	3768726.63	6.227E-08	2.81E-08	0.00E+00	9.04E-08	6.16E-08	4.09E-08	0.00E+00	1.02E-07	1.13E-08	6.96E-09	0.00E+00	1.83E-08	6.32E-09	6.01E-09	0.00E+00	1.23E-08
3639	481260.17	3768733.77	6.334E-08	2.86E-08	0.00E+00	9.19E-08	6.27E-08	4.16E-08	0.00E+00	1.04E-07	1.15E-08	7.08E-09	0.00E+00	1.86E-08	6.42E-09	6.11E-09	0.00E+00	1.25E-08
3640	481257.32	3768753.24	5.277E-08	2.38E-08	0.00E+00	7.66E-08	5.22E-08	3.46E-08	0.00E+00	8.68E-08	9.59E-09	5.90E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
3641	481275.08	3768755.84	4.738E-08	2.14E-08	0.00E+00	6.88E-08	4.69E-08	3.11E-08	0.00E+00	7.80E-08	8.61E-09	5.30E-09	0.00E+00	1.39E-08	4.81E-09	4.57E-09	0.00E+00	9.38E-09
3642	481255.89	3768762.97	4.839E-08	2.18E-08	0.00E+00	7.02E-08	4.79E-08	3.18E-08	0.00E+00	7.96E-08	8.79E-09	5.41E-09	0.00E+00	1.42E-08	4.91E-09	4.67E-09	0.00E+00	9.58E-09
3643	48																	

3712	481280.63	3768786.2	3.522E-08	1.59E-08	0.00E+00	5.11E-08	3.49E-08	2.31E-08	0.00E+00	5.80E-08	6.40E-09	3.94E-09	0.00E+00	1.03E-08	3.57E-09	3.40E-09	0.00E+00	6.97E-09
3713	481292.89	3768787.44	3.307E-08	1.49E-08	0.00E+00	4.80E-08	3.27E-08	2.17E-08	0.00E+00	5.44E-08	6.01E-09	3.70E-09	0.00E+00	9.71E-09	3.35E-09	3.19E-09	0.00E+00	6.55E-09
3714	481279.56	3768795.98	3.266E-08	1.47E-08	0.00E+00	4.74E-08	3.23E-08	2.14E-08	0.00E+00	5.38E-08	5.93E-09	3.65E-09	0.00E+00	9.58E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
3715	481292.01	3768797.24	3.071E-08	1.38E-08	0.00E+00	4.46E-08	3.04E-08	2.01E-08	0.00E+00	5.05E-08	5.58E-09	3.43E-09	0.00E+00	9.01E-09	3.11E-09	2.96E-09	0.00E+00	6.08E-09
3716	481278.5	3768805.76	3.037E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	1.99E-08	0.00E+00	5.00E-08	5.52E-09	3.39E-09	0.00E+00	8.91E-09	3.08E-09	2.93E-09	0.00E+00	6.01E-09
3717	481291.13	3768807.04	2.859E-08	1.29E-08	0.00E+00	4.15E-08	2.83E-08	1.88E-08	0.00E+00	4.71E-08	5.19E-09	3.20E-09	0.00E+00	8.39E-09	2.90E-09	2.76E-09	0.00E+00	5.66E-09
3718	481277.44	3768815.54	2.832E-08	1.28E-08	0.00E+00	4.11E-08	2.80E-08	1.86E-08	0.00E+00	4.66E-08	5.15E-09	3.17E-09	0.00E+00	8.31E-09	2.87E-09	2.73E-09	0.00E+00	5.61E-09
3719	481290.25	3768816.84	2.67E-08	1.20E-08	0.00E+00	3.87E-08	2.64E-08	1.75E-08	0.00E+00	4.39E-08	4.85E-09	2.98E-09	0.00E+00	7.83E-09	2.71E-09	2.58E-09	0.00E+00	5.28E-09
3720	481276.38	3768825.31	2.649E-08	1.19E-08	0.00E+00	3.84E-08	2.62E-08	1.74E-08	0.00E+00	4.36E-08	4.81E-09	2.96E-09	0.00E+00	7.77E-09	2.69E-09	2.56E-09	0.00E+00	5.24E-09
3721	481289.38	3768826.64	2.5E-08	1.13E-08	0.00E+00	3.63E-08	2.47E-08	1.64E-08	0.00E+00	4.11E-08	4.54E-09	2.79E-09	0.00E+00	7.34E-09	2.54E-09	2.41E-09	0.00E+00	4.95E-09
3722	481273.14	3768855.13	2.193E-08	9.89E-09	0.00E+00	3.18E-08	2.17E-08	1.44E-08	0.00E+00	3.61E-08	3.98E-09	2.45E-09	0.00E+00	6.43E-09	2.22E-09	2.12E-09	0.00E+00	4.34E-09
3723	481286.69	3768856.52	2.078E-08	9.37E-09	0.00E+00	3.02E-08	2.06E-08	1.36E-08	0.00E+00	3.42E-08	3.78E-09	2.32E-09	0.00E+00	6.10E-09	2.11E-09	2.00E-09	0.00E+00	4.11E-09
3724	481269.91	3768884.94	1.852E-08	8.35E-09	0.00E+00	2.69E-08	1.83E-08	1.22E-08	0.00E+00	3.05E-08	3.37E-09	2.07E-09	0.00E+00	5.43E-09	1.88E-09	1.79E-09	0.00E+00	3.67E-09
3725	481284.01	3768886.4	1.763E-08	7.95E-09	0.00E+00	2.56E-08	1.74E-08	1.16E-08	0.00E+00	2.90E-08	3.20E-09	1.97E-09	0.00E+00	5.17E-09	1.79E-09	1.70E-09	0.00E+00	3.49E-09
3726	481266.67	3768914.76	1.591E-08	7.18E-09	0.00E+00	2.31E-08	1.57E-08	1.04E-08	0.00E+00	2.62E-08	2.89E-09	1.78E-09	0.00E+00	4.67E-09	1.61E-09	1.53E-09	0.00E+00	3.15E-09
3727	481281.33	3768916.28	1.52E-08	6.85E-09	0.00E+00	2.21E-08	1.50E-08	9.97E-09	0.00E+00	2.50E-08	2.76E-09	1.70E-09	0.00E+00	4.46E-09	1.54E-09	1.47E-09	0.00E+00	3.01E-09
3728	481265.4	3768944.8	1.379E-08	6.22E-09	0.00E+00	2.00E-08	1.36E-08	9.05E-09	0.00E+00	2.27E-08	2.50E-09	1.54E-09	0.00E+00	4.05E-09	1.40E-09	1.33E-09	0.00E+00	2.73E-09
3729	481253.61	3768943.41	1.428E-08	6.44E-09	0.00E+00	2.07E-08	1.41E-08	9.37E-09	0.00E+00	2.35E-08	2.59E-09	1.60E-09	0.00E+00	4.19E-09	1.45E-09	1.38E-09	0.00E+00	2.83E-09
3730	481278.65	3768946.16	1.329E-08	5.99E-09	0.00E+00	1.93E-08	1.31E-08	8.72E-09	0.00E+00	2.19E-08	2.41E-09	1.49E-09	0.00E+00	3.90E-09	1.35E-09	1.28E-09	0.00E+00	2.63E-09
3731	481262.3	3768974.64	1.216E-08	5.48E-09	0.00E+00	1.76E-08	1.20E-08	7.98E-09	0.00E+00	2.00E-08	2.21E-09	1.36E-09	0.00E+00	3.57E-09	1.23E-09	1.17E-09	0.00E+00	2.41E-09
3732	481275.97	3768976.04	1.175E-08	5.30E-09	0.00E+00	1.71E-08	1.16E-08	7.71E-09	0.00E+00	1.93E-08	2.14E-09	1.31E-09	0.00E+00	3.45E-09	1.19E-09	1.13E-09	0.00E+00	2.33E-09
3733	481254.52	3769064.31	8.78E-09	3.96E-09	0.00E+00	1.27E-08	8.69E-09	5.76E-09	0.00E+00	1.44E-08	1.60E-09	9.81E-10	0.00E+00	2.58E-09	8.91E-10	8.47E-10	0.00E+00	1.74E-09
3734	481267.93	3769065.68	8.554E-09	3.86E-09	0.00E+00	1.24E-08	8.46E-09	5.61E-09	0.00E+00	1.41E-08	1.55E-09	9.56E-10	0.00E+00	2.51E-09	8.68E-10	8.25E-10	0.00E+00	1.69E-09
3735	481251.51	3769094.15	7.994E-09	3.61E-09	0.00E+00	1.16E-08	7.91E-09	5.25E-09	0.00E+00	1.32E-08	1.45E-09	8.93E-10	0.00E+00	2.35E-09	8.11E-10	7.71E-10	0.00E+00	1.58E-09
3736	481238.75	3769092.64	8.192E-09	3.69E-09	0.00E+00	1.19E-08	8.11E-09	5.38E-09	0.00E+00	1.35E-08	1.49E-09	9.16E-10	0.00E+00	2.40E-09	8.31E-10	7.90E-10	0.00E+00	1.62E-09
3737	481265.24	3769095.56	7.798E-09	3.52E-09	0.00E+00	1.13E-08	7.72E-09	5.12E-09	0.00E+00	1.28E-08	1.42E-09	8.72E-10	0.00E+00	2.29E-09	7.91E-10	7.52E-10	0.00E+00	1.54E-09
3738	481248.5	3769123.99	7.32E-09	3.30E-09	0.00E+00	1.06E-08	7.24E-09	4.80E-09	0.00E+00	1.20E-08	1.33E-09	8.18E-10	0.00E+00	2.15E-09	7.42E-10	7.06E-10	0.00E+00	1.45E-09
3739	481235.07	3769122.4	7.497E-09	3.38E-09	0.00E+00	1.09E-08	7.42E-09	4.92E-09	0.00E+00	1.23E-08	1.36E-09	8.38E-10	0.00E+00	2.20E-09	7.61E-10	7.23E-10	0.00E+00	1.48E-09
3740	481262.56	3769125.44	7.147E-09	3.22E-09	0.00E+00	1.04E-08	7.07E-09	4.69E-09	0.00E+00	1.18E-08	1.30E-09	7.99E-10	0.00E+00	2.10E-09	7.25E-10	6.89E-10	0.00E+00	1.41E-09
3741	481323.23	3768562.87	5.288E-07	2.38E-07	0.00E+00	7.67E-07	5.23E-07	3.47E-07	0.00E+00	8.70E-07	9.61E-08	5.91E-08	0.00E+00	1.55E-07	5.36E-08	5.10E-08	0.00E+00	1.05E-07
3742	481336.74	3768563.13	5.128E-07	2.31E-07	0.00E+00	7.44E-07	5.07E-07	3.36E-07	0.00E+00	8.44E-07	9.32E-08	5.73E-08	0.00E+00	1.50E-07	5.20E-08	4.95E-08	0.00E+00	1.01E-07
3743	481329.8	3768572.83	4.296E-07	1.94E-07	0.00E+00	6.23E-07	4.25E-07	2.82E-07	0.00E+00	7.07E-07	7.81E-08	4.80E-08	0.00E+00	1.26E-07	4.36E-08	4.14E-08	0.00E+00	8.50E-08
3744	481343.3	3768573.09	4.113E-07	1.85E-07	0.00E+00	5.97E-07	4.07E-07	2.70E-07	0.00E+00	6.77E-07	7.47E-08	4.60E-08	0.00E+00	1.21E-07	4.17E-08	3.97E-08	0.00E+00	8.14E-08
3745	481329.61	3768582.67	3.58E-07	1.61E-07	0.00E+00	5.00E-07	3.54E-07	2.35E-07	0.00E+00	5.89E-07	6.50E-08	4.00E-08	0.00E+00	1.05E-07	3.63E-08	3.45E-08	0.00E+00	7.08E-08
3746	481343.11	3768582.93	3.402E-07	1.53E-07	0.00E+00	4.94E-07	3.37E-07	2.23E-07	0.00E+00	5.60E-07	6.18E-08	3.80E-08	0.00E+00	9.98E-08	3.45E-08	3.28E-08	0.00E+00	6.73E-08
3747	481329.42	3768592.51	3.009E-07	1.36E-07	0.00E+00	4.37E-07	2.98E-07	1.97E-07	0.00E+00	4.95E-07	5.47E-08	3.36E-08	0.00E+00	8.83E-08	3.05E-08	2.90E-08	0.00E+00	5.95E-08
3748	481342.92	3768592.77	2.841E-07	1.28E-07	0.00E+00	4.12E-07	2.81E-07	1.86E-07	0.00E+00	4.68E-07	5.16E-08	3.18E-08	0.00E+00	8.34E-08	2.88E-08	2.74E-08	0.00E+00	5.62E-08
3749	481329.23	3768602.35	2.547E-07	1.15E-07	0.00E+00	3.70E-07	2.52E-07	1.67E-07	0.00E+00	4.19E-07	4.63E-08	2.85E-08	0.00E+00	7.47E-08	2.58E-08	2.46E-08	0.00E+00	5.04E-08
3750	481342.74	3768602.61	2.391E-07	1.08E-07	0.00E+00	3.47E-07	2.37E-07	1.57E-07	0.00E+00	3.93E-07	4.34E-08	2.67E-08	0.00E+00	7.02E-08	2.42E-08	2.31E-08	0.00E+00	4.73E-08
3751	481329.04	3768612.18	2.169E-07	9.78E-08	0.00E+00	3.15E-07	2.15E-07	1.42E-07	0.00E+00	3.57E-07	3.94E-08	2.42E-08	0.00E+00	6.36E-08	2.20E-08	2.09E-08	0.00E+00	4.29E-08
3752	481342.55	3768612.44	2.026E-07	9.14E-08	0.00E+00	2.94E-07	2.00E-07	1.33E-07	0.00E+00	3.33E-07	3.68E-08	2.26E-08	0.00E+00	5.94E-08	2.05E-08	1.95E-08	0.00E+00	4.01E-08
3753	481328.85	3768622.02	1.857E-07	8.37E-08	0.00E+00	2.69E-07	1.84E-07	1.22E-07	0.00E+00	3.06E-07	3.37E-08	2.08E-08	0.00E+00	5.45E-08	1.88E-08	1.79E-08	0.00E+00	3.68E-08
3754	481342.36	3768622.28	1.727E-07	7.79E-08	0.00E+00	2.51E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.14E-08	1.93E-08	0.00E+00	5.07E-08	1.75E-08	1.67E-08	0.00E+00	3.42E-08
3755	481328.66	3768631.86	1.598E-07	7.21E-08	0.00E+00	2.32E-07	1.58E-07	1.05E-07	0.00E+00	2.63E-07	2.90E-08	1.79E-08	0.00E+00	4.69E-08	1.62E-08	1.54E-08	0.00E+00	3.16E-08
3756	481342.17	3768632.12	1.482E-07	6.68E-08	0.00E+00	2.15E-07	1.47E-07	9.72E-08	0.00E+00	2.44E-07	2.69E-08	1.66E-08	0.00E+00	4.35E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
3757	481328.47	3768641.69	1.383E-07	6.24E-08	0.00E+00	2.01E-07	1.37E-07	9.07E-08	0.00E+00	2.28E-07	2.51E-08	1.55E-08	0.00E+00	4.06E-08	1.40E-08	1.33E-08	0.00E+00	2.74E-08
3758	481341.98	3768641.95	1.279E-07	5.77E-08	0.00E+00	1.86E-07	1.27E-07	8.39E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
3759	481328.28	3768651.53	1.202E-07	5.42E-08	0.00E+00	1.74E-07	1.19E-07	7.89E-08	0.00E+00	1.98E-07	2.18E-08	1.34E-08	0.00E+00	3.53E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
3760	481341.79	3768651.79	1.11E-07	5.01E-08	0.00E+00	1.61E-07	1.10E-07	7.29E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
3761	48																	

3830	481294.39	3769067.38	8.167E-09	3.68E-09	0.00E+00	1.19E-08	8.08E-09	5.36E-09	0.00E+00	1.34E-08	1.48E-09	9.13E-10	0.00E+00	2.40E-09	8.28E-10	7.88E-10	0.00E+00	1.62E-09
3831	481281.65	3769066.69	8.345E-09	3.76E-09	0.00E+00	1.21E-08	8.26E-09	5.48E-09	0.00E+00	1.37E-08	1.52E-09	9.33E-10	0.00E+00	2.45E-09	8.47E-10	8.05E-10	0.00E+00	1.65E-09
3832	481320.25	3769068.55	7.834E-09	3.53E-09	0.00E+00	1.14E-08	7.75E-09	5.14E-09	0.00E+00	1.29E-08	1.42E-09	8.76E-10	0.00E+00	2.30E-09	7.95E-10	7.56E-10	0.00E+00	1.55E-09
3833	481333.76	3769068.81	7.678E-09	3.46E-09	0.00E+00	1.11E-08	7.60E-09	5.04E-09	0.00E+00	1.26E-08	1.40E-09	8.58E-10	0.00E+00	2.25E-09	7.79E-10	7.41E-10	0.00E+00	1.52E-09
3834	481306.2	3769098.05	7.3E-09	3.29E-09	0.00E+00	1.06E-08	7.22E-09	4.79E-09	0.00E+00	1.20E-08	1.33E-09	8.16E-10	0.00E+00	2.14E-09	7.41E-10	7.04E-10	0.00E+00	1.44E-09
3835	481292.76	3769097.32	7.456E-09	3.36E-09	0.00E+00	1.08E-08	7.38E-09	4.89E-09	0.00E+00	1.23E-08	1.35E-09	8.33E-10	0.00E+00	2.19E-09	7.56E-10	7.19E-10	0.00E+00	1.48E-09
3836	481279.32	3769096.59	7.616E-09	3.43E-09	0.00E+00	1.11E-08	7.54E-09	5.00E-09	0.00E+00	1.25E-08	1.38E-09	8.51E-10	0.00E+00	2.24E-09	7.73E-10	7.35E-10	0.00E+00	1.51E-09
3837	481319.68	3769098.54	7.154E-09	3.23E-09	0.00E+00	1.04E-08	7.08E-09	4.69E-09	0.00E+00	1.18E-08	1.30E-09	8.00E-10	0.00E+00	2.10E-09	7.26E-10	6.90E-10	0.00E+00	1.42E-09
3838	481333.18	3769098.8	7.019E-09	3.17E-09	0.00E+00	1.02E-08	6.95E-09	4.61E-09	0.00E+00	1.16E-08	1.28E-09	7.84E-10	0.00E+00	2.06E-09	7.12E-10	6.77E-10	0.00E+00	1.39E-09
3839	481306.28	3769128.08	6.689E-09	3.02E-09	0.00E+00	9.71E-09	6.62E-09	4.39E-09	0.00E+00	1.10E-08	1.22E-09	7.48E-10	0.00E+00	1.96E-09	6.79E-10	6.45E-10	0.00E+00	1.32E-09
3840	481294.16	3769127.42	6.81E-09	3.07E-09	0.00E+00	9.88E-09	6.74E-09	4.47E-09	0.00E+00	1.12E-08	1.24E-09	7.61E-10	0.00E+00	2.00E-09	6.91E-10	6.57E-10	0.00E+00	1.35E-09
3841	481282.04	3769126.76	6.933E-09	3.13E-09	0.00E+00	1.01E-08	6.86E-09	4.55E-09	0.00E+00	1.14E-08	1.26E-09	7.75E-10	0.00E+00	2.03E-09	7.03E-10	6.69E-10	0.00E+00	1.37E-09
3842	481319.1	3769128.54	6.569E-09	2.96E-09	0.00E+00	9.53E-09	6.50E-09	4.31E-09	0.00E+00	1.08E-08	1.19E-09	7.34E-10	0.00E+00	1.93E-09	6.66E-10	6.34E-10	0.00E+00	1.30E-09
3843	481332.61	3769128.8	6.451E-09	2.91E-09	0.00E+00	9.36E-09	6.38E-09	4.23E-09	0.00E+00	1.06E-08	1.17E-09	7.21E-10	0.00E+00	1.89E-09	6.54E-10	6.22E-10	0.00E+00	1.28E-09
3844	481353.27	3768563.38	4.892E-07	2.21E-07	0.00E+00	7.10E-07	4.84E-07	3.21E-07	0.00E+00	8.05E-07	8.89E-08	5.47E-08	0.00E+00	1.44E-07	4.96E-08	4.72E-08	0.00E+00	9.68E-08
3845	481362.79	3768563.5	4.743E-07	2.14E-07	0.00E+00	6.88E-07	4.69E-07	3.11E-07	0.00E+00	7.81E-07	8.62E-08	5.30E-08	0.00E+00	1.39E-07	4.81E-08	4.58E-08	0.00E+00	9.39E-08
3846	481372.3	3768563.62	4.584E-07	2.07E-07	0.00E+00	6.65E-07	4.54E-07	3.01E-07	0.00E+00	7.54E-07	8.33E-08	5.12E-08	0.00E+00	1.35E-07	4.65E-08	4.42E-08	0.00E+00	9.07E-08
3847	481381.82	3768563.74	4.413E-07	1.99E-07	0.00E+00	6.40E-07	4.37E-07	2.90E-07	0.00E+00	7.26E-07	8.02E-08	4.93E-08	0.00E+00	1.29E-07	4.48E-08	4.26E-08	0.00E+00	8.73E-08
3848	481391.34	3768563.86	4.229E-07	1.91E-07	0.00E+00	6.14E-07	4.18E-07	2.78E-07	0.00E+00	6.96E-07	7.68E-08	4.73E-08	0.00E+00	1.24E-07	4.29E-08	4.08E-08	0.00E+00	8.37E-08
3849	481400.86	3768563.99	4.031E-07	1.82E-07	0.00E+00	5.85E-07	3.99E-07	2.64E-07	0.00E+00	6.63E-07	7.32E-08	4.50E-08	0.00E+00	1.18E-07	4.09E-08	3.89E-08	0.00E+00	7.98E-08
3850	481410.37	3768564.11	3.821E-07	1.72E-07	0.00E+00	5.54E-07	3.78E-07	2.51E-07	0.00E+00	6.29E-07	6.94E-08	4.27E-08	0.00E+00	1.12E-07	3.88E-08	3.69E-08	0.00E+00	7.56E-08
3851	481419.89	3768564.23	3.6E-07	1.62E-07	0.00E+00	5.22E-07	3.56E-07	2.36E-07	0.00E+00	5.92E-07	6.54E-08	4.02E-08	0.00E+00	1.06E-07	3.65E-08	3.47E-08	0.00E+00	7.12E-08
3852	481429.41	3768564.35	3.369E-07	1.52E-07	0.00E+00	4.89E-07	3.33E-07	2.21E-07	0.00E+00	5.54E-07	6.12E-08	3.77E-08	0.00E+00	9.89E-08	3.42E-08	3.25E-08	0.00E+00	6.67E-08
3853	481438.93	3768564.47	3.128E-07	1.41E-07	0.00E+00	4.54E-07	3.10E-07	2.05E-07	0.00E+00	5.15E-07	5.68E-08	3.50E-08	0.00E+00	9.18E-08	3.17E-08	3.02E-08	0.00E+00	6.19E-08
3854	481448.44	3768564.59	2.88E-07	1.30E-07	0.00E+00	4.18E-07	2.85E-07	1.89E-07	0.00E+00	4.74E-07	5.23E-08	3.22E-08	0.00E+00	8.45E-08	2.92E-08	2.78E-08	0.00E+00	5.70E-08
3855	481457.96	3768564.71	2.628E-07	1.19E-07	0.00E+00	3.81E-07	2.60E-07	1.72E-07	0.00E+00	4.33E-07	4.78E-08	2.94E-08	0.00E+00	7.71E-08	2.67E-08	2.54E-08	0.00E+00	5.20E-08
3856	481467.48	3768564.83	2.378E-07	1.07E-07	0.00E+00	3.45E-07	2.35E-07	1.56E-07	0.00E+00	3.91E-07	4.32E-08	2.66E-08	0.00E+00	6.98E-08	2.41E-08	2.29E-08	0.00E+00	4.71E-08
3857	481476.99	3768564.95	2.14E-07	9.65E-08	0.00E+00	3.10E-07	2.12E-07	1.40E-07	0.00E+00	3.52E-07	3.89E-08	2.39E-08	0.00E+00	6.28E-08	2.17E-08	2.06E-08	0.00E+00	4.23E-08
3858	481486.51	3768565.07	1.928E-07	8.70E-08	0.00E+00	2.80E-07	1.91E-07	1.27E-07	0.00E+00	3.17E-07	3.50E-08	2.15E-08	0.00E+00	5.66E-08	1.96E-08	1.86E-08	0.00E+00	3.82E-08
3859	481496.03	3768565.19	1.757E-07	7.92E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.16E-08	1.78E-08	1.69E-08	0.00E+00	3.48E-08
3860	481505.55	3768565.31	1.63E-07	7.35E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.97E-08	1.82E-08	0.00E+00	4.78E-08	1.65E-08	1.57E-08	0.00E+00	3.23E-08
3861	481515.06	3768565.43	1.538E-07	6.94E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.51E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
3862	481524.58	3768565.55	1.466E-07	6.61E-08	0.00E+00	2.13E-07	1.45E-07	9.62E-08	0.00E+00	2.41E-07	2.66E-08	1.64E-08	0.00E+00	4.30E-08	1.49E-08	1.41E-08	0.00E+00	2.90E-08
3863	481533.14	3768565.67	1.393E-07	6.28E-08	0.00E+00	2.00E-07	1.37E-07	9.01E-08	0.00E+00	2.29E-07	2.42E-08	1.54E-08	0.00E+00	4.11E-08	1.40E-08	1.33E-08	0.00E+00	2.71E-08
3864	481541.7	3768565.79	1.320E-07	5.95E-08	0.00E+00	1.87E-07	1.29E-07	8.41E-08	0.00E+00	2.17E-07	2.25E-08	1.44E-08	0.00E+00	3.92E-08	1.39E-08	1.32E-08	0.00E+00	2.52E-08
3865	481550.24	3768565.91	1.247E-07	5.64E-08	0.00E+00	1.74E-07	1.21E-07	7.82E-08	0.00E+00	2.05E-07	2.08E-08	1.34E-08	0.00E+00	3.73E-08	1.38E-08	1.31E-08	0.00E+00	2.33E-08
3866	481558.7	3768566.03	1.174E-07	5.33E-08	0.00E+00	1.61E-07	1.13E-07	7.33E-08	0.00E+00	1.93E-07	1.91E-08	1.24E-08	0.00E+00	3.54E-08	1.37E-08	1.30E-08	0.00E+00	2.14E-08
3867	481567.19	3768566.15	1.101E-07	5.02E-08	0.00E+00	1.48E-07	1.05E-07	6.84E-08	0.00E+00	1.81E-07	1.79E-08	1.14E-08	0.00E+00	3.35E-08	1.36E-08	1.29E-08	0.00E+00	1.95E-08
3868	481575.6	3768566.27	1.028E-07	4.71E-08	0.00E+00	1.35E-07	9.8E-08	6.35E-08	0.00E+00	1.69E-07	1.67E-08	1.04E-08	0.00E+00	3.16E-08	1.35E-08	1.28E-08	0.00E+00	1.76E-08
3869	481584.09	3768566.39	1.000E-07	4.50E-08	0.00E+00	1.22E-07	9.3E-08	6.06E-08	0.00E+00	1.57E-07	1.55E-08	9.9E-09	0.00E+00	2.97E-08	1.34E-08	1.27E-08	0.00E+00	1.57E-08
3870	481592.5	3768566.51	9.72E-08	4.29E-08	0.00E+00	1.10E-07	8.8E-08	5.77E-08	0.00E+00	1.45E-07	1.43E-08	9.3E-09	0.00E+00	2.78E-08	1.33E-08	1.26E-08	0.00E+00	1.38E-08
3871	481600.9	3768566.63	9.44E-08	4.08E-08	0.00E+00	1.00E-07	8.3E-08	5.48E-08	0.00E+00	1.33E-07	1.31E-08	8.7E-09	0.00E+00	2.59E-08	1.32E-08	1.25E-08	0.00E+00	1.19E-08
3872	481609.3	3768566.75	9.16E-08	3.87E-08	0.00E+00	9.0E-08	7.8E-08	5.19E-08	0.00E+00	1.21E-07	1.19E-08	8.1E-09	0.00E+00	2.40E-08	1.31E-08	1.24E-08	0.00E+00	1.00E-08
3873	481617.7	3768566.87	8.88E-08	3.66E-08	0.00E+00	8.0E-08	7.3E-08	4.90E-08	0.00E+00	1.09E-07	1.07E-08	7.5E-09	0.00E+00	2.21E-08	1.30E-08	1.23E-08	0.00E+00	8.1E-09
3874	481626.1	3768566.99	8.60E-08	3.45E-08	0.00E+00	7.0E-08	6.8E-08	4.61E-08	0.00E+00	9.7E-08	9.5E-09	6.9E-09	0.00E+00	2.02E-08	1.29E-08	1.22E-08	0.00E+00	6.2E-09
3875	481634.5	3768567.11	8.32E-08	3.24E-08	0.00E+00	6.0E-08	6.3E-08	4.32E-08	0.00E+00	8.5E-08	8.3E-09	6.3E-09	0.00E+00	1.83E-08	1.28E-08	1.21E-08	0.00E+00	4.3E-09
3876	481642.9	3768567.23	8.04E-08	3.03E-08	0.00E+00	5.0E-08	5.5E-08	4.03E-08	0.00E+00	7.3E-08	7.1E-09	5.7E-09	0.00E+00	1.64E-08	1.27E-08	1.20E-08	0.00E+00	2.4E-09
3877	481651.3	3768567.35	7.76E-08	2.82E-08	0.00E+00	4.0E-08	4.5E-08	3.74E-08	0.00E+00	6.1E-08	5.9E-09	5.3E-09	0.00E+00	1.45E-08	1.26E-08	1.19E-08	0.00E+00	5.5E-09
3878	481659.7	3768567.47	7.48E-08	2.61E-08	0.00E+00	3.0E-08	3.5E-08	3.45E-08	0.00E+00	4.9E-08	4.7E-09	4.1E-09	0.00E+00	1.26E-08	1.25E-08	1.18E-08	0.00E+00	3.6E-09
3879	481668.1	3768567.59	7.20E-08	2.40E-08	0.00E+00</													

3948	481438.3	3768613.66	1.059E-07	4.78E-08	0.00E+00	1.54E-07	1.05E-07	6.95E-08	0.00E+00	1.74E-07	1.92E-08	1.18E-08	0.00E+00	3.11E-08	1.07E-08	1.02E-08	0.00E+00	2.10E-08
3949	481447.82	3768613.78	9.861E-08	4.45E-08	0.00E+00	1.43E-07	9.76E-08	6.47E-08	0.00E+00	1.62E-07	1.79E-08	1.10E-08	0.00E+00	2.89E-08	1.00E-08	9.51E-09	0.00E+00	1.95E-08
3950	481457.34	3768613.9	9.216E-08	4.16E-08	0.00E+00	1.34E-07	9.12E-08	6.05E-08	0.00E+00	1.52E-07	1.67E-08	1.03E-08	0.00E+00	2.70E-08	9.35E-09	8.89E-09	0.00E+00	1.82E-08
3951	481466.85	3768614.02	8.664E-08	3.91E-08	0.00E+00	1.26E-07	8.57E-08	5.69E-08	0.00E+00	1.43E-07	1.57E-08	9.68E-09	0.00E+00	2.54E-08	8.79E-09	8.36E-09	0.00E+00	1.71E-08
3952	481476.37	3768614.14	8.204E-08	3.70E-08	0.00E+00	1.19E-07	8.12E-08	5.38E-08	0.00E+00	1.35E-07	1.49E-08	9.17E-09	0.00E+00	2.41E-08	8.32E-09	7.91E-09	0.00E+00	1.62E-08
3953	481485.89	3768614.26	7.829E-08	3.53E-08	0.00E+00	1.14E-07	7.75E-08	5.14E-08	0.00E+00	1.29E-07	1.42E-08	8.75E-09	0.00E+00	2.30E-08	7.94E-09	7.55E-09	0.00E+00	1.55E-08
3954	481495.41	3768614.38	7.524E-08	3.39E-08	0.00E+00	1.09E-07	7.45E-08	4.94E-08	0.00E+00	1.24E-07	1.37E-08	8.41E-09	0.00E+00	2.21E-08	7.63E-09	7.26E-09	0.00E+00	1.49E-08
3955	481504.92	3768614.5	7.273E-08	3.28E-08	0.00E+00	1.06E-07	7.20E-08	4.77E-08	0.00E+00	1.20E-07	1.32E-08	8.13E-09	0.00E+00	2.13E-08	7.38E-09	7.02E-09	0.00E+00	1.44E-08
3956	481514.44	3768614.62	7.05E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.88E-09	0.00E+00	2.07E-08	7.15E-09	6.80E-09	0.00E+00	1.40E-08
3957	481523.96	3768614.74	6.838E-08	3.08E-08	0.00E+00	9.92E-08	6.77E-08	4.49E-08	0.00E+00	1.13E-07	1.24E-08	7.64E-09	0.00E+00	2.01E-08	6.94E-09	6.60E-09	0.00E+00	1.35E-08
3958	481532.52	3768622.41	1.631E-07	7.36E-08	0.00E+00	2.37E-07	1.61E-07	1.07E-07	0.00E+00	2.68E-07	2.96E-08	1.82E-08	0.00E+00	4.79E-08	1.65E-08	1.57E-08	0.00E+00	3.23E-08
3959	481362.04	3768622.53	1.541E-07	6.95E-08	0.00E+00	2.24E-07	1.52E-07	1.01E-07	0.00E+00	2.54E-07	2.80E-08	1.72E-08	0.00E+00	4.52E-08	1.56E-08	1.49E-08	0.00E+00	3.05E-08
3960	481371.56	3768622.65	1.451E-07	6.55E-08	0.00E+00	2.11E-07	1.44E-07	9.52E-08	0.00E+00	2.39E-07	2.64E-08	1.62E-08	0.00E+00	4.26E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
3961	481381.07	3768622.77	1.363E-07	6.15E-08	0.00E+00	1.98E-07	1.35E-07	8.94E-08	0.00E+00	2.24E-07	2.48E-08	1.52E-08	0.00E+00	4.00E-08	1.38E-08	1.31E-08	0.00E+00	2.70E-08
3962	481390.59	3768622.89	1.276E-07	5.76E-08	0.00E+00	1.85E-07	1.26E-07	8.38E-08	0.00E+00	2.10E-07	2.32E-08	1.43E-08	0.00E+00	3.75E-08	1.29E-08	1.23E-08	0.00E+00	2.53E-08
3963	481400.11	3768623.01	1.193E-07	5.38E-08	0.00E+00	1.73E-07	1.18E-07	7.83E-08	0.00E+00	1.96E-07	2.17E-08	1.33E-08	0.00E+00	3.50E-08	1.21E-08	1.15E-08	0.00E+00	2.36E-08
3964	481409.63	3768623.13	1.112E-07	5.02E-08	0.00E+00	1.61E-07	1.10E-07	7.30E-08	0.00E+00	1.83E-07	2.02E-08	1.24E-08	0.00E+00	3.26E-08	1.13E-08	1.07E-08	0.00E+00	2.20E-08
3965	481419.14	3768623.25	1.036E-07	4.67E-08	0.00E+00	1.50E-07	1.03E-07	6.80E-08	0.00E+00	1.71E-07	1.88E-08	1.16E-08	0.00E+00	3.04E-08	1.05E-08	1.00E-08	0.00E+00	2.05E-08
3966	481428.66	3768623.37	9.662E-08	4.36E-08	0.00E+00	1.40E-07	9.56E-08	6.34E-08	0.00E+00	1.59E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.80E-09	9.32E-09	0.00E+00	1.91E-08
3967	481438.18	3768623.49	9.019E-08	4.07E-08	0.00E+00	1.31E-07	8.92E-08	5.92E-08	0.00E+00	1.48E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.15E-09	8.70E-09	0.00E+00	1.78E-08
3968	481447.7	3768623.62	8.443E-08	3.81E-08	0.00E+00	1.23E-07	8.36E-08	5.54E-08	0.00E+00	1.39E-07	1.53E-08	9.44E-09	0.00E+00	2.48E-08	8.56E-09	8.15E-09	0.00E+00	1.67E-08
3969	481457.21	3768623.74	7.943E-08	3.58E-08	0.00E+00	1.15E-07	7.86E-08	5.21E-08	0.00E+00	1.31E-07	1.44E-08	8.88E-09	0.00E+00	2.33E-08	8.06E-09	7.66E-09	0.00E+00	1.57E-08
3970	481466.73	3768623.86	7.517E-08	3.39E-08	0.00E+00	1.09E-07	7.44E-08	4.93E-08	0.00E+00	1.24E-07	1.37E-08	8.40E-09	0.00E+00	2.21E-08	7.63E-09	7.25E-09	0.00E+00	1.49E-08
3971	481476.25	3768623.98	7.163E-08	3.23E-08	0.00E+00	1.04E-07	7.09E-08	4.70E-08	0.00E+00	1.18E-07	1.30E-08	8.01E-09	0.00E+00	2.10E-08	7.27E-09	6.91E-09	0.00E+00	1.42E-08
3972	481485.76	3768624.1	6.869E-08	3.10E-08	0.00E+00	9.97E-08	6.80E-08	4.51E-08	0.00E+00	1.13E-07	1.25E-08	7.68E-09	0.00E+00	2.02E-08	6.97E-09	6.63E-09	0.00E+00	1.36E-08
3973	481495.28	3768624.22	6.623E-08	2.99E-08	0.00E+00	9.61E-08	6.55E-08	4.35E-08	0.00E+00	1.09E-07	1.20E-08	7.40E-09	0.00E+00	1.94E-08	6.72E-09	6.39E-09	0.00E+00	1.31E-08
3974	481504.8	3768624.34	6.415E-08	2.89E-08	0.00E+00	9.31E-08	6.35E-08	4.21E-08	0.00E+00	1.06E-07	1.17E-08	7.17E-09	0.00E+00	1.88E-08	6.51E-09	6.19E-09	0.00E+00	1.27E-08
3975	481514.32	3768624.46	6.23E-08	2.81E-08	0.00E+00	9.04E-08	6.17E-08	4.09E-08	0.00E+00	1.03E-07	1.13E-08	6.96E-09	0.00E+00	1.83E-08	6.32E-09	6.01E-09	0.00E+00	1.23E-08
3976	481523.83	3768624.58	6.062E-08	2.73E-08	0.00E+00	8.80E-08	6.00E-08	3.98E-08	0.00E+00	9.98E-08	1.10E-08	6.78E-09	0.00E+00	1.78E-08	6.15E-09	5.85E-09	0.00E+00	1.20E-08
3977	481352.4	3768632.25	1.396E-07	6.29E-08	0.00E+00	2.03E-07	1.38E-07	9.16E-08	0.00E+00	2.30E-07	2.54E-08	1.56E-08	0.00E+00	4.10E-08	1.42E-08	1.35E-08	0.00E+00	2.76E-08
3978	481361.91	3768632.37	1.316E-07	5.94E-08	0.00E+00	1.91E-07	1.30E-07	8.64E-08	0.00E+00	2.17E-07	2.39E-08	1.47E-08	0.00E+00	3.86E-08	1.34E-08	1.27E-08	0.00E+00	2.60E-08
3979	481371.43	3768632.49	1.238E-07	5.58E-08	0.00E+00	1.80E-07	1.22E-07	8.12E-08	0.00E+00	2.04E-07	2.25E-08	1.38E-08	0.00E+00	3.63E-08	1.26E-08	1.19E-08	0.00E+00	2.45E-08
3980	481380.95	3768632.61	1.161E-07	5.24E-08	0.00E+00	1.69E-07	1.15E-07	7.62E-08	0.00E+00	1.91E-07	2.11E-08	1.30E-08	0.00E+00	3.41E-08	1.18E-08	1.12E-08	0.00E+00	2.30E-08
3981	481390.47	3768632.73	1.087E-07	4.90E-08	0.00E+00	1.58E-07	1.08E-07	7.14E-08	0.00E+00	1.79E-07	1.98E-08	1.22E-08	0.00E+00	3.19E-08	1.10E-08	1.05E-08	0.00E+00	2.15E-08
3982	481399.98	3768632.85	1.017E-07	4.59E-08	0.00E+00	1.48E-07	1.01E-07	6.67E-08	0.00E+00	1.67E-07	1.85E-08	1.14E-08	0.00E+00	2.98E-08	1.03E-08	9.81E-09	0.00E+00	2.01E-08
3983	481409.5	3768632.97	9.5E-08	4.28E-08	0.00E+00	1.38E-07	9.40E-08	6.23E-08	0.00E+00	1.56E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.64E-09	9.16E-09	0.00E+00	1.88E-08
3984	481419.02	3768633.09	8.877E-08	4.00E-08	0.00E+00	1.29E-07	8.78E-08	5.82E-08	0.00E+00	1.46E-07	1.61E-08	9.92E-09	0.00E+00	2.60E-08	9.00E-09	8.56E-09	0.00E+00	1.76E-08
3985	481428.54	3768633.21	8.305E-08	3.75E-08	0.00E+00	1.21E-07	8.22E-08	5.45E-08	0.00E+00	1.37E-07	1.51E-08	9.28E-09	0.00E+00	2.44E-08	8.42E-09	8.01E-09	0.00E+00	1.64E-08
3986	481438.05	3768633.33	7.79E-08	3.51E-08	0.00E+00	1.13E-07	7.71E-08	5.11E-08	0.00E+00	1.28E-07	1.42E-08	8.71E-09	0.00E+00	2.29E-08	7.90E-09	7.51E-09	0.00E+00	1.54E-08
3987	481447.57	3768633.45	7.335E-08	3.31E-08	0.00E+00	1.06E-07	7.26E-08	4.81E-08	0.00E+00	1.21E-07	1.33E-08	8.20E-09	0.00E+00	2.15E-08	7.44E-09	7.08E-09	0.00E+00	1.45E-08
3988	481457.09	3768633.57	6.941E-08	3.13E-08	0.00E+00	1.01E-07	6.87E-08	4.55E-08	0.00E+00	1.14E-07	1.26E-08	7.76E-09	0.00E+00	2.04E-08	7.04E-09	6.70E-09	0.00E+00	1.37E-08
3989	481466.61	3768633.69	6.607E-08	2.98E-08	0.00E+00	9.59E-08	6.54E-08	4.34E-08	0.00E+00	1.09E-07	1.20E-08	7.38E-09	0.00E+00	1.94E-08	6.70E-09	6.37E-09	0.00E+00	1.31E-08
3990	481476.12	3768633.81	6.328E-08	2.85E-08	0.00E+00	9.18E-08	6.26E-08	4.15E-08	0.00E+00	1.04E-07	1.15E-08	7.07E-09	0.00E+00	1.86E-08	6.42E-09	6.10E-09	0.00E+00	1.25E-08
3991	481485.64	3768633.94	6.089E-08	2.75E-08	0.00E+00	8.84E-08	6.03E-08	4.00E-08	0.00E+00	1.00E-07	1.11E-08	6.81E-09	0.00E+00	1.79E-08	6.18E-09	5.87E-09	0.00E+00	1.21E-08
3992	481495.16	3768634.06	5.885E-08	2.65E-08	0.00E+00	8.54E-08	5.82E-08	3.86E-08	0.00E+00	9.68E-08	1.07E-08	6.58E-09	0.00E+00	1.73E-08	5.97E-09	5.68E-09	0.00E+00	1.16E-08
3993	481504.67	3768634.18	5.709E-08	2.57E-08	0.00E+00	8.28E-08	5.65E-08	3.75E-08	0.00E+00	9.40E-08	1.04E-08	6.38E-09	0.00E+00	1.68E-08	5.79E-09	5.51E-09	0.00E+00	1.13E-08
3994	481514.19	3768634.3	5.555E-08	2.51E-08	0.00E+00	8.06E-08	5.50E-08	3.65E-08	0.00E+00	9.14E-08	1.01E-08	6.21E-09	0.00E+00	1.63E-08	5.63E-09	5.36E-09	0.00E+00	1.10E-08
3995	481523.71	3768634.42	5.418E-08	2.44E-08	0.00E+00	7.86E-08	5.36E-08	3.56E-08	0.00E+00	8.92E-08	9.84E-09	6.06E-09	0.00E+00	1.59E-08	5.50E-09	5.23E-09	0.00E+00	1.07E-08
3996	481352.27	3768642.09	1.202E-07	5.42E-08	0.00E+00	1.74E-07	1.19E-07	7.89E-08	0.00E+00	1.98E-07	2.18E-08	1.34E-08	0.00E+00	3.53E-08	1.22E-08	1.16E-08	0.00E+00	2.38E-08
3997																		

4066	481475.62	3768673.17	4.169E-08	1.88E-08	0.00E+00	6.05E-08	4.13E-08	2.74E-08	0.00E+00	6.86E-08	7.58E-09	4.66E-09	0.00E+00	1.22E-08	4.23E-09	4.02E-09	0.00E+00	8.25E-09
4067	481485.14	3768673.29	4.052E-08	1.83E-08	0.00E+00	5.88E-08	4.01E-08	2.66E-08	0.00E+00	6.67E-08	7.36E-09	4.53E-09	0.00E+00	1.19E-08	4.11E-09	3.91E-09	0.00E+00	8.02E-09
4068	481494.66	3768673.41	3.949E-08	1.78E-08	0.00E+00	5.73E-08	3.91E-08	2.59E-08	0.00E+00	6.50E-08	7.18E-09	4.41E-09	0.00E+00	1.16E-08	4.01E-09	3.81E-09	0.00E+00	7.82E-09
4069	481504.18	3768673.53	3.857E-08	1.74E-08	0.00E+00	5.60E-08	3.82E-08	2.53E-08	0.00E+00	6.35E-08	7.01E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.63E-09
4070	481513.69	3768673.65	3.774E-08	1.70E-08	0.00E+00	5.48E-08	3.73E-08	2.48E-08	0.00E+00	6.21E-08	6.86E-09	4.22E-09	0.00E+00	1.11E-08	3.83E-09	3.64E-09	0.00E+00	7.47E-09
4071	481523.21	3768673.77	3.698E-08	1.67E-08	0.00E+00	5.37E-08	3.66E-08	2.43E-08	0.00E+00	6.09E-08	6.72E-09	4.13E-09	0.00E+00	1.09E-08	3.75E-09	3.57E-09	0.00E+00	7.32E-09
4072	481351.77	3768681.44	7.058E-08	3.18E-08	0.00E+00	1.02E-07	6.98E-08	4.63E-08	0.00E+00	1.16E-07	1.28E-08	7.89E-09	0.00E+00	2.07E-08	7.16E-09	6.81E-09	0.00E+00	1.40E-08
4073	481361.29	3768681.56	6.661E-08	3.00E-08	0.00E+00	9.67E-08	6.59E-08	4.37E-08	0.00E+00	1.10E-07	1.21E-08	7.44E-09	0.00E+00	1.95E-08	6.76E-09	6.43E-09	0.00E+00	1.32E-08
4074	481370.81	3768681.68	6.287E-08	2.84E-08	0.00E+00	9.12E-08	6.22E-08	4.13E-08	0.00E+00	1.03E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
4075	481380.33	3768681.8	5.937E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.90E-08	0.00E+00	9.77E-08	1.08E-08	6.64E-09	0.00E+00	1.74E-08	6.02E-09	5.73E-09	0.00E+00	1.17E-08
4076	481389.84	3768681.92	5.613E-08	2.53E-08	0.00E+00	8.14E-08	5.55E-08	3.68E-08	0.00E+00	9.24E-08	1.02E-08	6.27E-09	0.00E+00	1.65E-08	5.69E-09	5.41E-09	0.00E+00	1.11E-08
4077	481399.36	3768682.04	5.315E-08	2.40E-08	0.00E+00	7.71E-08	5.26E-08	3.49E-08	0.00E+00	8.75E-08	9.66E-09	5.94E-09	0.00E+00	1.56E-08	5.39E-09	5.13E-09	0.00E+00	1.05E-08
4078	481408.88	3768682.16	5.044E-08	2.27E-08	0.00E+00	7.32E-08	4.99E-08	3.31E-08	0.00E+00	8.30E-08	9.16E-09	5.64E-09	0.00E+00	1.48E-08	5.12E-09	4.87E-09	0.00E+00	9.98E-09
4079	481418.4	3768682.28	4.8E-08	2.16E-08	0.00E+00	6.96E-08	4.75E-08	3.15E-08	0.00E+00	7.90E-08	9.16E-09	5.64E-09	0.00E+00	1.41E-08	4.87E-09	4.63E-09	0.00E+00	9.50E-09
4080	481427.91	3768682.4	4.582E-08	2.07E-08	0.00E+00	6.65E-08	4.53E-08	3.01E-08	0.00E+00	7.54E-08	8.33E-09	5.12E-09	0.00E+00	1.34E-08	4.65E-09	4.42E-09	0.00E+00	9.07E-09
4081	481437.43	3768682.52	4.389E-08	1.98E-08	0.00E+00	6.37E-08	4.34E-08	2.88E-08	0.00E+00	7.22E-08	7.97E-09	4.91E-09	0.00E+00	1.29E-08	4.45E-09	4.23E-09	0.00E+00	8.69E-09
4082	481446.95	3768682.64	4.22E-08	1.90E-08	0.00E+00	6.12E-08	4.18E-08	2.77E-08	0.00E+00	6.94E-08	7.67E-09	4.72E-09	0.00E+00	1.24E-08	4.28E-09	4.07E-09	0.00E+00	8.35E-09
4083	481456.47	3768682.76	4.069E-08	1.84E-08	0.00E+00	5.90E-08	4.03E-08	2.67E-08	0.00E+00	6.70E-08	7.39E-09	4.55E-09	0.00E+00	1.19E-08	4.13E-09	3.93E-09	0.00E+00	8.05E-09
4084	481465.98	3768682.88	3.936E-08	1.78E-08	0.00E+00	5.71E-08	3.90E-08	2.58E-08	0.00E+00	6.48E-08	7.15E-09	4.40E-09	0.00E+00	1.16E-08	3.99E-09	3.80E-09	0.00E+00	7.79E-09
4085	481475.5	3768683	3.819E-08	1.72E-08	0.00E+00	5.54E-08	3.78E-08	2.51E-08	0.00E+00	6.29E-08	6.94E-09	4.27E-09	0.00E+00	1.12E-08	3.87E-09	3.68E-09	0.00E+00	7.56E-09
4086	481485.02	3768683.13	3.717E-08	1.68E-08	0.00E+00	5.39E-08	3.68E-08	2.44E-08	0.00E+00	6.12E-08	6.75E-09	4.15E-09	0.00E+00	1.09E-08	3.77E-09	3.59E-09	0.00E+00	7.36E-09
4087	481494.53	3768683.25	3.628E-08	1.64E-08	0.00E+00	5.26E-08	3.59E-08	2.38E-08	0.00E+00	5.97E-08	6.59E-09	4.05E-09	0.00E+00	1.06E-08	3.68E-09	3.50E-09	0.00E+00	7.18E-09
4088	481504.05	3768683.37	3.547E-08	1.60E-08	0.00E+00	5.15E-08	3.51E-08	2.33E-08	0.00E+00	5.84E-08	6.45E-09	3.96E-09	0.00E+00	1.04E-08	3.60E-09	3.42E-09	0.00E+00	7.02E-09
4089	481513.57	3768683.49	3.473E-08	1.57E-08	0.00E+00	5.04E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.31E-09	3.88E-09	0.00E+00	1.02E-08	3.52E-09	3.35E-09	0.00E+00	6.87E-09
4090	481351.65	3768691.28	6.276E-08	2.83E-08	0.00E+00	9.11E-08	6.21E-08	4.12E-08	0.00E+00	1.03E-07	1.14E-08	7.01E-09	0.00E+00	1.84E-08	6.37E-09	6.05E-09	0.00E+00	1.24E-08
4091	481361.17	3768691.4	5.934E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.89E-08	0.00E+00	9.77E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.02E-09	5.72E-09	0.00E+00	1.17E-08
4092	481370.68	3768691.52	5.613E-08	2.53E-08	0.00E+00	8.14E-08	5.55E-08	3.68E-08	0.00E+00	9.24E-08	1.02E-08	6.27E-09	0.00E+00	1.65E-08	5.69E-09	5.41E-09	0.00E+00	1.11E-08
4093	481380.2	3768691.64	5.314E-08	2.40E-08	0.00E+00	7.71E-08	5.26E-08	3.49E-08	0.00E+00	8.75E-08	9.66E-09	5.94E-09	0.00E+00	1.56E-08	5.39E-09	5.13E-09	0.00E+00	1.05E-08
4094	481389.72	3768691.76	5.038E-08	2.27E-08	0.00E+00	7.31E-08	4.99E-08	3.31E-08	0.00E+00	8.29E-08	9.15E-09	5.63E-09	0.00E+00	1.48E-08	5.11E-09	4.86E-09	0.00E+00	9.97E-09
4095	481399.24	3768691.88	4.785E-08	2.16E-08	0.00E+00	6.94E-08	4.74E-08	3.14E-08	0.00E+00	7.88E-08	8.70E-09	5.35E-09	0.00E+00	1.40E-08	4.85E-09	4.62E-09	0.00E+00	9.47E-09
4096	481408.75	3768692	4.557E-08	2.06E-08	0.00E+00	6.61E-08	4.51E-08	2.99E-08	0.00E+00	7.50E-08	8.28E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.40E-09	0.00E+00	9.02E-09
4097	481418.27	3768692.12	4.352E-08	1.96E-08	0.00E+00	6.31E-08	4.31E-08	2.86E-08	0.00E+00	7.16E-08	7.91E-09	4.86E-09	0.00E+00	1.28E-08	4.41E-09	4.20E-09	0.00E+00	8.61E-09
4098	481427.79	3768692.24	4.167E-08	1.88E-08	0.00E+00	6.05E-08	4.12E-08	2.73E-08	0.00E+00	6.86E-08	7.57E-09	4.66E-09	0.00E+00	1.22E-08	4.23E-09	4.02E-09	0.00E+00	8.25E-09
4099	481437.31	3768692.36	4.002E-08	1.80E-08	0.00E+00	5.81E-08	3.96E-08	2.63E-08	0.00E+00	6.59E-08	7.27E-09	4.47E-09	0.00E+00	1.17E-08	4.06E-09	3.86E-09	0.00E+00	7.92E-09
4100	481446.82	3768692.48	3.857E-08	1.74E-08	0.00E+00	5.60E-08	3.82E-08	2.53E-08	0.00E+00	6.35E-08	7.01E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.63E-09
4101	481456.34	3768692.6	3.729E-08	1.68E-08	0.00E+00	5.41E-08	3.69E-08	2.45E-08	0.00E+00	6.14E-08	6.78E-09	4.17E-09	0.00E+00	1.09E-08	3.78E-09	3.60E-09	0.00E+00	7.38E-09
4102	481465.86	3768692.72	3.616E-08	1.63E-08	0.00E+00	5.25E-08	3.58E-08	2.37E-08	0.00E+00	5.95E-08	6.57E-09	4.04E-09	0.00E+00	1.06E-08	3.67E-09	3.49E-09	0.00E+00	7.16E-09
4103	481475.38	3768692.84	3.516E-08	1.59E-08	0.00E+00	5.10E-08	3.48E-08	2.31E-08	0.00E+00	5.79E-08	6.39E-09	3.93E-09	0.00E+00	1.03E-08	3.57E-09	3.39E-09	0.00E+00	6.96E-09
4104	481484.89	3768692.96	3.428E-08	1.55E-08	0.00E+00	4.97E-08	3.39E-08	2.25E-08	0.00E+00	5.64E-08	6.23E-09	3.83E-09	0.00E+00	1.01E-08	3.48E-09	3.31E-09	0.00E+00	6.78E-09
4105	481494.41	3768693.08	3.349E-08	1.51E-08	0.00E+00	4.86E-08	3.31E-08	2.20E-08	0.00E+00	5.51E-08	6.08E-09	3.74E-09	0.00E+00	9.83E-09	3.40E-09	3.23E-09	0.00E+00	6.63E-09
4106	481503.93	3768693.2	3.277E-08	1.48E-08	0.00E+00	4.75E-08	3.24E-08	2.15E-08	0.00E+00	5.39E-08	5.95E-09	3.66E-09	0.00E+00	9.62E-09	3.32E-09	3.16E-09	0.00E+00	6.48E-09
4107	481513.44	3768693.32	3.21E-08	1.45E-08	0.00E+00	4.66E-08	3.18E-08	2.11E-08	0.00E+00	5.28E-08	5.83E-09	3.59E-09	0.00E+00	9.42E-09	3.26E-09	3.10E-09	0.00E+00	6.35E-09
4108	481351.52	3768701.11	5.616E-08	2.53E-08	0.00E+00	8.15E-08	5.56E-08	3.69E-08	0.00E+00	9.24E-08	1.02E-08	6.28E-09	0.00E+00	1.65E-08	5.70E-09	5.42E-09	0.00E+00	1.11E-08
4109	481361.04	3768701.23	5.32E-08	2.40E-08	0.00E+00	7.72E-08	5.26E-08	3.49E-08	0.00E+00	8.76E-08	9.66E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.13E-09	0.00E+00	1.05E-08
4110	481370.56	3768701.35	5.044E-08	2.27E-08	0.00E+00	7.32E-08	4.99E-08	3.31E-08	0.00E+00	8.30E-08	9.15E-09	5.63E-09	0.00E+00	1.48E-08	5.11E-09	4.86E-09	0.00E+00	9.97E-09
4111	481380.08	3768701.48	4.787E-08	2.16E-08	0.00E+00	6.95E-08	4.74E-08	3.14E-08	0.00E+00	7.88E-08	8.70E-09	5.35E-09	0.00E+00	1.40E-08	4.85E-09	4.62E-09	0.00E+00	9.47E-09
4112	481389.59	3768701.6	4.553E-08	2.05E-08	0.00E+00	6.61E-08	4.50E-08	2.99E-08	0.00E+00	7.49E-08	8.27E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.01E-09
4113	481399.11	3768701.72	4.338E-08	1.96E-08	0.00E+00	6.29E-08	4.29E-08	2.85E-08	0.00E+00	7.14E-08	7.88E-09	4.85E-09	0.00E+00	1.27E-08	4.40E-09	4.18E-09	0.00E+00	8.59E-09
4114	481408.63	3768701.84	4.144E-08	1.87E-08	0.00E+00	6.01E-08	4.10E-08	2.72E-08	0.00E+00	6.82E-08	7.53E-09	4.63E-09	0.00E+00	1.22E-08	4.20E-09	4.00E-09	0.00E+00	8.20E-09
4115	4814																	

4184	481388.85	3768760.62	2.771E-08	1.25E-08	0.00E+00	4.02E-08	2.74E-08	1.82E-08	0.00E+00	4.56E-08	5.03E-09	3.10E-09	0.00E+00	8.13E-09	2.81E-09	2.67E-09	0.00E+00	5.48E-09
4185	481398.36	3768760.74	2.68E-08	1.21E-08	0.00E+00	3.89E-08	2.65E-08	1.76E-08	0.00E+00	4.41E-08	4.87E-09	3.00E-09	0.00E+00	7.87E-09	2.72E-09	2.59E-09	0.00E+00	5.30E-09
4186	481407.88	3768760.86	2.59E-08	1.17E-08	0.00E+00	3.77E-08	2.57E-08	1.70E-08	0.00E+00	4.28E-08	4.72E-09	2.90E-09	0.00E+00	7.62E-09	2.64E-09	2.51E-09	0.00E+00	5.14E-09
4187	481417.4	3768760.98	2.523E-08	1.14E-08	0.00E+00	3.66E-08	2.50E-08	1.66E-08	0.00E+00	4.15E-08	4.58E-09	2.82E-09	0.00E+00	7.40E-09	2.56E-09	2.43E-09	0.00E+00	4.99E-09
4188	481426.92	3768761.11	2.453E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.20E-09	2.49E-09	2.37E-09	0.00E+00	4.85E-09
4189	481436.43	3768761.23	2.388E-08	1.08E-08	0.00E+00	3.47E-08	2.36E-08	1.57E-08	0.00E+00	3.93E-08	4.34E-09	2.67E-09	0.00E+00	7.01E-09	2.42E-09	2.30E-09	0.00E+00	4.73E-09
4190	481445.95	3768761.35	2.329E-08	1.05E-08	0.00E+00	3.38E-08	2.30E-08	1.53E-08	0.00E+00	3.83E-08	4.23E-09	2.60E-09	0.00E+00	6.83E-09	2.36E-09	2.25E-09	0.00E+00	4.61E-09
4191	481455.47	3768761.47	2.275E-08	1.03E-08	0.00E+00	3.30E-08	2.25E-08	1.49E-08	0.00E+00	3.74E-08	4.13E-09	2.54E-09	0.00E+00	6.68E-09	2.31E-09	2.19E-09	0.00E+00	4.50E-09
4192	481464.99	3768761.59	2.226E-08	1.00E-08	0.00E+00	3.23E-08	2.20E-08	1.46E-08	0.00E+00	3.66E-08	4.04E-09	2.49E-09	0.00E+00	6.53E-09	2.26E-09	2.15E-09	0.00E+00	4.41E-09
4193	481474.5	3768761.71	2.18E-08	9.83E-09	0.00E+00	3.16E-08	2.16E-08	1.43E-08	0.00E+00	3.59E-08	3.96E-09	2.44E-09	0.00E+00	6.40E-09	2.21E-09	2.10E-09	0.00E+00	4.32E-09
4194	481484.02	3768761.83	2.137E-08	9.64E-09	0.00E+00	3.10E-08	2.11E-08	1.40E-08	0.00E+00	3.52E-08	3.88E-09	2.39E-09	0.00E+00	6.27E-09	2.17E-09	2.06E-09	0.00E+00	4.23E-09
4195	481493.54	3768761.95	2.096E-08	9.45E-09	0.00E+00	3.04E-08	2.07E-08	1.38E-08	0.00E+00	3.45E-08	3.81E-09	2.34E-09	0.00E+00	6.15E-09	2.13E-09	2.02E-09	0.00E+00	4.15E-09
4196	481503.06	3768762.07	2.058E-08	9.28E-09	0.00E+00	2.99E-08	2.04E-08	1.35E-08	0.00E+00	3.39E-08	3.74E-09	2.30E-09	0.00E+00	6.04E-09	2.09E-09	1.98E-09	0.00E+00	4.07E-09
4197	481512.57	3768762.19	2.022E-08	9.12E-09	0.00E+00	2.93E-08	2.00E-08	1.33E-08	0.00E+00	3.33E-08	3.67E-09	2.26E-09	0.00E+00	5.93E-09	2.05E-09	1.95E-09	0.00E+00	4.00E-09
4198	481522.08	3768762.31	1.987E-08	8.96E-09	0.00E+00	2.87E-08	1.96E-08	1.31E-08	0.00E+00	3.27E-08	3.56E-09	2.22E-09	0.00E+00	5.82E-09	2.01E-09	1.91E-09	0.00E+00	3.93E-09
4199	481531.59	3768762.43	1.956E-08	8.80E-09	0.00E+00	2.81E-08	1.92E-08	1.29E-08	0.00E+00	3.21E-08	3.45E-09	2.18E-09	0.00E+00	5.71E-09	1.97E-09	1.88E-09	0.00E+00	3.86E-09
4200	481541.1	3768762.55	1.925E-08	8.64E-09	0.00E+00	2.75E-08	1.88E-08	1.27E-08	0.00E+00	3.15E-08	3.34E-09	2.14E-09	0.00E+00	5.60E-09	1.94E-09	1.84E-09	0.00E+00	3.79E-09
4201	481550.61	3768762.67	1.894E-08	8.48E-09	0.00E+00	2.69E-08	1.84E-08	1.25E-08	0.00E+00	3.09E-08	3.23E-09	2.10E-09	0.00E+00	5.49E-09	1.91E-09	1.81E-09	0.00E+00	3.72E-09
4202	481560.12	3768762.79	1.863E-08	8.32E-09	0.00E+00	2.63E-08	1.80E-08	1.23E-08	0.00E+00	3.03E-08	3.12E-09	2.06E-09	0.00E+00	5.38E-09	1.88E-09	1.78E-09	0.00E+00	3.65E-09
4203	481569.63	3768762.91	1.832E-08	8.16E-09	0.00E+00	2.57E-08	1.76E-08	1.21E-08	0.00E+00	2.97E-08	3.01E-09	2.02E-09	0.00E+00	5.27E-09	1.85E-09	1.75E-09	0.00E+00	3.58E-09
4204	481579.14	3768763.03	1.801E-08	8.00E-09	0.00E+00	2.51E-08	1.72E-08	1.19E-08	0.00E+00	2.91E-08	2.90E-09	1.98E-09	0.00E+00	5.16E-09	1.82E-09	1.72E-09	0.00E+00	3.51E-09
4205	481588.65	3768763.15	1.770E-08	7.84E-09	0.00E+00	2.45E-08	1.68E-08	1.17E-08	0.00E+00	2.85E-08	2.79E-09	1.94E-09	0.00E+00	5.05E-09	1.79E-09	1.69E-09	0.00E+00	3.44E-09
4206	481598.16	3768763.27	1.739E-08	7.68E-09	0.00E+00	2.39E-08	1.64E-08	1.15E-08	0.00E+00	2.79E-08	2.68E-09	1.90E-09	0.00E+00	4.94E-09	1.76E-09	1.66E-09	0.00E+00	3.37E-09
4207	481607.67	3768763.39	1.708E-08	7.52E-09	0.00E+00	2.33E-08	1.60E-08	1.13E-08	0.00E+00	2.73E-08	2.57E-09	1.86E-09	0.00E+00	4.83E-09	1.73E-09	1.63E-09	0.00E+00	3.30E-09
4208	481617.18	3768763.51	1.677E-08	7.36E-09	0.00E+00	2.27E-08	1.56E-08	1.11E-08	0.00E+00	2.67E-08	2.46E-09	1.82E-09	0.00E+00	4.72E-09	1.70E-09	1.60E-09	0.00E+00	3.23E-09
4209	481626.69	3768763.63	1.646E-08	7.20E-09	0.00E+00	2.21E-08	1.52E-08	1.09E-08	0.00E+00	2.61E-08	2.35E-09	1.78E-09	0.00E+00	4.61E-09	1.67E-09	1.57E-09	0.00E+00	3.16E-09
4210	481636.2	3768763.75	1.615E-08	7.04E-09	0.00E+00	2.15E-08	1.48E-08	1.07E-08	0.00E+00	2.55E-08	2.24E-09	1.74E-09	0.00E+00	4.50E-09	1.64E-09	1.54E-09	0.00E+00	3.09E-09
4211	481645.71	3768763.87	1.584E-08	6.88E-09	0.00E+00	2.09E-08	1.44E-08	1.05E-08	0.00E+00	2.49E-08	2.13E-09	1.70E-09	0.00E+00	4.39E-09	1.61E-09	1.51E-09	0.00E+00	3.02E-09
4212	481655.22	3768763.99	1.553E-08	6.72E-09	0.00E+00	2.03E-08	1.40E-08	1.03E-08	0.00E+00	2.43E-08	2.02E-09	1.66E-09	0.00E+00	4.28E-09	1.58E-09	1.48E-09	0.00E+00	2.95E-09
4213	481664.73	3768764.11	1.522E-08	6.56E-09	0.00E+00	1.97E-08	1.36E-08	1.01E-08	0.00E+00	2.37E-08	1.91E-09	1.62E-09	0.00E+00	4.17E-09	1.55E-09	1.45E-09	0.00E+00	2.88E-09
4214	481674.24	3768764.23	1.491E-08	6.40E-09	0.00E+00	1.91E-08	1.32E-08	9.9E-09	0.00E+00	2.31E-08	1.80E-09	1.58E-09	0.00E+00	4.06E-09	1.52E-09	1.42E-09	0.00E+00	2.81E-09
4215	481683.75	3768764.35	1.460E-08	6.24E-09	0.00E+00	1.85E-08	1.28E-08	9.7E-09	0.00E+00	2.25E-08	1.69E-09	1.54E-09	0.00E+00	3.95E-09	1.49E-09	1.39E-09	0.00E+00	2.74E-09
4216	481693.26	3768764.47	1.429E-08	6.08E-09	0.00E+00	1.79E-08	1.24E-08	9.5E-09	0.00E+00	2.19E-08	1.58E-09	1.50E-09	0.00E+00	3.84E-09	1.46E-09	1.36E-09	0.00E+00	2.67E-09
4217	481702.77	3768764.59	1.398E-08	5.92E-09	0.00E+00	1.73E-08	1.20E-08	9.3E-09	0.00E+00	2.13E-08	1.47E-09	1.46E-09	0.00E+00	3.73E-09	1.43E-09	1.33E-09	0.00E+00	2.60E-09
4218	481712.28	3768764.71	1.367E-08	5.76E-09	0.00E+00	1.67E-08	1.16E-08	9.1E-09	0.00E+00	2.07E-08	1.36E-09	1.42E-09	0.00E+00	3.62E-09	1.40E-09	1.30E-09	0.00E+00	2.53E-09
4219	481721.79	3768764.83	1.336E-08	5.60E-09	0.00E+00	1.61E-08	1.12E-08	8.9E-09	0.00E+00	2.01E-08	1.25E-09	1.38E-09	0.00E+00	3.51E-09	1.37E-09	1.27E-09	0.00E+00	2.46E-09
4220	481731.3	3768764.95	1.305E-08	5.44E-09	0.00E+00	1.55E-08	1.08E-08	8.7E-09	0.00E+00	1.95E-08	1.14E-09	1.34E-09	0.00E+00	3.40E-09	1.34E-09	1.24E-09	0.00E+00	2.39E-09
4221	481740.81	3768765.07	1.274E-08	5.28E-09	0.00E+00	1.49E-08	1.04E-08	8.5E-09	0.00E+00	1.89E-08	1.03E-09	1.30E-09	0.00E+00	3.29E-09	1.31E-09	1.21E-09	0.00E+00	2.32E-09
4222	481750.32	3768765.19	1.243E-08	5.12E-09	0.00E+00	1.43E-08	1.00E-08	8.3E-09	0.00E+00	1.83E-08	9.2E-09	1.26E-09	0.00E+00	3.18E-09	1.28E-09	1.18E-09	0.00E+00	2.25E-09
4223	481759.83	3768765.31	1.212E-08	4.96E-09	0.00E+00	1.37E-08	9.6E-09	8.1E-09	0.00E+00	1.77E-08	8.1E-09	1.22E-09	0.00E+00	3.07E-09	1.25E-09	1.15E-09	0.00E+00	2.18E-09
4224	481769.34	3768765.43	1.181E-08	4.80E-09	0.00E+00	1.31E-08	9.2E-09	7.9E-09	0.00E+00	1.71E-08	7.0E-09	1.18E-09	0.00E+00	2.96E-09	1.22E-09	1.12E-09	0.00E+00	2.11E-09
4225	481778.85	3768765.55	1.150E-08	4.64E-09	0.00E+00	1.25E-08	8.8E-09	7.7E-09	0.00E+00	1.65E-08	5.9E-09	1.14E-09	0.00E+00	2.85E-09	1.19E-09	1.09E-09	0.00E+00	2.04E-09
4226	481788.36	3768765.67	1.119E-08	4.48E-09	0.00E+00	1.19E-08	8.4E-09	7.5E-09	0.00E+00	1.59E-08	4.8E-09	1.10E-09	0.00E+00	2.74E-09	1.16E-09	1.06E-09	0.00E+00	1.97E-09
4227	481797.87	3768765.79	1.088E-08	4.32E-09	0.00E+00	1.13E-08	8.0E-09	7.3E-09	0.00E+00	1.53E-08	3.7E-09	1.06E-09	0.00E+00	2.63E-09	1.13E-09	1.03E-09	0.00E+00	1.90E-09
4228	481807.38	3768765.91	1.057E-08	4.16E-09	0.00E+00	1.07E-08	7.6E-09	7.1E-09	0.00E+00	1.47E-08	2.6E-09	1.02E-09	0.00E+00	2.52E-09	1.10E-09	1.00E-09	0.00E+00	1.83E-09
4229	481816.89	3768766.03	1.026E-08	4.00E-09	0.00E+00	1.01E-08	7.2E-09	6.9E-09	0.00E+00	1.41E-08	1.5E-09	9.8E-09	0.00E+00	2.41E-09	1.07E-09	9.7E-09	0.00E+00	1.76E-09
4230	481826.4	3768766.15	9.95E-09	3.84E-09	0.00E+00	9.5E-09	6.8E-09	6.7E-09	0.00E+00	1.35E-08	4.4E-09	9.4E-09	0.00E+00	2.30E-09	1.04E-09	9.4E-09	0.00E+00	1.69E-09
4231	481835.91	3768766.27	9.64E-09	3.68E-09	0.00E+00	8.9E-09	6.4E-09	6.5E-09	0.00E+00	1.29E-08	3.3E-09	9.0E-09	0.00E+00	2.19E-09	1.01E-09	9.1E-09	0.00E+00	1.62E-09
4232	481845.42	3768766.39	9.33E-09	3.52E-09	0.00E+00	8.3E-09	6.0E-09	6.3E-09	0.00E+00	1.23E-08	2.2E-09	8.6E-09	0.00E+00	2.08E-09	9.8E-09	8.8E-09	0.00E+00	1.55E-09
4233	481854.93	3768766.51	9.02E-09	3.36E-														

4302	481483.27	3768820.86	1.561E-08	7.04E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.57E-08	2.84E-09	1.74E-09	0.00E+00	4.58E-09	1.58E-09	1.51E-09	0.00E+00	3.09E-09
4303	481492.79	3768820.98	1.534E-08	6.92E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.79E-09	1.71E-09	0.00E+00	4.50E-09	1.56E-09	1.48E-09	0.00E+00	3.04E-09
4304	481502.31	3768821.1	1.51E-08	6.81E-09	0.00E+00	2.19E-08	1.49E-08	9.91E-09	0.00E+00	2.48E-08	2.74E-09	1.69E-09	0.00E+00	4.43E-09	1.53E-09	1.46E-09	0.00E+00	2.99E-09
4305	481511.83	3768821.22	1.486E-08	6.70E-09	0.00E+00	2.16E-08	1.47E-08	9.75E-09	0.00E+00	2.45E-08	2.70E-09	1.66E-09	0.00E+00	4.36E-09	1.51E-09	1.43E-09	0.00E+00	2.94E-09
4306	481349.91	3768829.01	2.015E-08	9.09E-09	0.00E+00	2.92E-08	1.99E-08	1.32E-08	0.00E+00	3.32E-08	3.66E-09	2.25E-09	0.00E+00	5.91E-09	2.04E-09	1.94E-09	0.00E+00	3.99E-09
4307	481359.42	3768829.13	1.96E-08	8.84E-09	0.00E+00	2.84E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.56E-09	2.19E-09	0.00E+00	5.75E-09	1.99E-09	1.89E-09	0.00E+00	3.88E-09
4308	481368.94	3768829.25	1.908E-08	8.61E-09	0.00E+00	2.77E-08	1.89E-08	1.25E-08	0.00E+00	3.14E-08	3.47E-09	2.13E-09	0.00E+00	5.60E-09	1.94E-09	1.84E-09	0.00E+00	3.78E-09
4309	481378.46	3768829.37	1.86E-08	8.39E-09	0.00E+00	2.70E-08	1.84E-08	1.22E-08	0.00E+00	3.06E-08	3.38E-09	2.08E-09	0.00E+00	5.46E-09	1.89E-09	1.79E-09	0.00E+00	3.68E-09
4310	481387.97	3768829.49	1.815E-08	8.19E-09	0.00E+00	2.63E-08	1.80E-08	1.19E-08	0.00E+00	2.99E-08	3.30E-09	2.03E-09	0.00E+00	5.33E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
4311	481397.49	3768829.61	1.773E-08	8.00E-09	0.00E+00	2.57E-08	1.75E-08	1.16E-08	0.00E+00	2.92E-08	3.22E-09	1.98E-09	0.00E+00	5.20E-09	1.80E-09	1.71E-09	0.00E+00	3.51E-09
4312	481407.01	3768829.73	1.734E-08	7.82E-09	0.00E+00	2.52E-08	1.72E-08	1.14E-08	0.00E+00	2.85E-08	3.15E-09	1.94E-09	0.00E+00	5.09E-09	1.76E-09	1.67E-09	0.00E+00	3.43E-09
4313	481416.53	3768829.85	1.697E-08	7.65E-09	0.00E+00	2.46E-08	1.68E-08	1.11E-08	0.00E+00	2.79E-08	3.08E-09	1.90E-09	0.00E+00	4.98E-09	1.72E-09	1.64E-09	0.00E+00	3.36E-09
4314	481426.04	3768829.97	1.662E-08	7.50E-09	0.00E+00	2.41E-08	1.64E-08	1.09E-08	0.00E+00	2.74E-08	3.02E-09	1.86E-09	0.00E+00	4.88E-09	1.69E-09	1.60E-09	0.00E+00	3.29E-09
4315	481435.56	3768830.09	1.629E-08	7.34E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.96E-09	1.82E-09	0.00E+00	4.78E-09	1.65E-09	1.57E-09	0.00E+00	3.22E-09
4316	481445.08	3768830.21	1.597E-08	7.20E-09	0.00E+00	2.32E-08	1.58E-08	1.05E-08	0.00E+00	2.63E-08	2.90E-09	1.78E-09	0.00E+00	4.69E-09	1.62E-09	1.54E-09	0.00E+00	3.16E-09
4317	481454.6	3768830.33	1.568E-08	7.07E-09	0.00E+00	2.27E-08	1.55E-08	1.03E-08	0.00E+00	2.58E-08	2.85E-09	1.75E-09	0.00E+00	4.60E-09	1.59E-09	1.51E-09	0.00E+00	3.10E-09
4318	481464.11	3768830.45	1.54E-08	6.95E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.80E-09	1.72E-09	0.00E+00	4.52E-09	1.56E-09	1.49E-09	0.00E+00	3.05E-09
4319	481473.63	3768830.57	1.514E-08	6.83E-09	0.00E+00	2.20E-08	1.50E-08	9.94E-09	0.00E+00	2.49E-08	2.75E-09	1.69E-09	0.00E+00	4.44E-09	1.54E-09	1.46E-09	0.00E+00	3.00E-09
4320	481483.15	3768830.69	1.489E-08	6.72E-09	0.00E+00	2.16E-08	1.47E-08	9.77E-09	0.00E+00	2.45E-08	2.71E-09	1.66E-09	0.00E+00	4.37E-09	1.51E-09	1.44E-09	0.00E+00	2.95E-09
4321	481492.67	3768830.81	1.465E-08	6.61E-09	0.00E+00	2.13E-08	1.45E-08	9.61E-09	0.00E+00	2.41E-08	2.66E-09	1.64E-09	0.00E+00	4.30E-09	1.49E-09	1.41E-09	0.00E+00	2.90E-09
4322	481502.18	3768830.93	1.442E-08	6.50E-09	0.00E+00	2.09E-08	1.43E-08	9.46E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.23E-09	1.46E-09	1.39E-09	0.00E+00	2.85E-09
4323	481511.7	3768831.06	1.42E-08	6.40E-09	0.00E+00	2.06E-08	1.40E-08	9.32E-09	0.00E+00	2.34E-08	2.58E-09	1.59E-09	0.00E+00	4.17E-09	1.44E-09	1.37E-09	0.00E+00	2.81E-09
4324	481349.53	3768859	1.709E-08	7.71E-09	0.00E+00	2.48E-08	1.69E-08	1.12E-08	0.00E+00	2.81E-08	3.11E-09	1.91E-09	0.00E+00	5.02E-09	1.73E-09	1.65E-09	0.00E+00	3.38E-09
4325	481359.04	3768859.12	1.668E-08	7.52E-09	0.00E+00	2.42E-08	1.65E-08	1.09E-08	0.00E+00	2.75E-08	3.03E-09	1.86E-09	0.00E+00	4.90E-09	1.69E-09	1.61E-09	0.00E+00	3.30E-09
4326	481368.56	3768859.25	1.63E-08	7.35E-09	0.00E+00	2.36E-08	1.61E-08	1.07E-08	0.00E+00	2.68E-08	2.96E-09	1.82E-09	0.00E+00	4.78E-09	1.65E-09	1.57E-09	0.00E+00	3.23E-09
4327	481378.08	3768859.37	1.593E-08	7.19E-09	0.00E+00	2.31E-08	1.58E-08	1.05E-08	0.00E+00	2.62E-08	2.90E-09	1.78E-09	0.00E+00	4.68E-09	1.62E-09	1.54E-09	0.00E+00	3.15E-09
4328	481387.59	3768859.49	1.559E-08	7.03E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.57E-08	2.83E-09	1.74E-09	0.00E+00	4.58E-09	1.58E-09	1.50E-09	0.00E+00	3.09E-09
4329	481397.11	3768859.61	1.527E-08	6.89E-09	0.00E+00	2.22E-08	1.51E-08	1.00E-08	0.00E+00	2.51E-08	2.78E-09	1.71E-09	0.00E+00	4.48E-09	1.55E-09	1.47E-09	0.00E+00	3.02E-09
4330	481406.63	3768859.73	1.497E-08	6.75E-09	0.00E+00	2.17E-08	1.48E-08	9.82E-09	0.00E+00	2.46E-08	2.72E-09	1.67E-09	0.00E+00	4.39E-09	1.52E-09	1.44E-09	0.00E+00	2.96E-09
4331	481416.15	3768859.85	1.468E-08	6.62E-09	0.00E+00	2.13E-08	1.45E-08	9.64E-09	0.00E+00	2.42E-08	2.67E-09	1.64E-09	0.00E+00	4.31E-09	1.49E-09	1.42E-09	0.00E+00	2.91E-09
4332	481425.66	3768859.97	1.441E-08	6.50E-09	0.00E+00	2.09E-08	1.43E-08	9.45E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.23E-09	1.46E-09	1.39E-09	0.00E+00	2.85E-09
4333	481435.18	3768860.09	1.414E-08	6.38E-09	0.00E+00	2.05E-08	1.40E-08	9.28E-09	0.00E+00	2.33E-08	2.57E-09	1.58E-09	0.00E+00	4.15E-09	1.43E-09	1.36E-09	0.00E+00	2.80E-09
4334	481444.7	3768860.21	1.389E-08	6.26E-09	0.00E+00	2.01E-08	1.37E-08	9.11E-09	0.00E+00	2.29E-08	2.52E-09	1.55E-09	0.00E+00	4.08E-09	1.41E-09	1.34E-09	0.00E+00	2.75E-09
4335	481454.22	3768860.33	1.365E-08	6.16E-09	0.00E+00	1.98E-08	1.35E-08	8.96E-09	0.00E+00	2.25E-08	2.48E-09	1.53E-09	0.00E+00	4.01E-09	1.38E-09	1.32E-09	0.00E+00	2.70E-09
4336	481463.73	3768860.45	1.343E-08	6.06E-09	0.00E+00	1.95E-08	1.33E-08	8.81E-09	0.00E+00	2.21E-08	2.44E-09	1.50E-09	0.00E+00	3.94E-09	1.36E-09	1.30E-09	0.00E+00	2.66E-09
4337	481473.25	3768860.57	1.322E-08	5.96E-09	0.00E+00	1.92E-08	1.31E-08	8.67E-09	0.00E+00	2.18E-08	2.40E-09	1.48E-09	0.00E+00	3.88E-09	1.34E-09	1.28E-09	0.00E+00	2.62E-09
4338	481482.77	3768860.69	1.301E-08	5.87E-09	0.00E+00	1.89E-08	1.29E-08	8.54E-09	0.00E+00	2.14E-08	2.36E-09	1.45E-09	0.00E+00	3.82E-09	1.32E-09	1.26E-09	0.00E+00	2.58E-09
4339	481492.29	3768860.81	1.282E-08	5.78E-09	0.00E+00	1.86E-08	1.27E-08	8.41E-09	0.00E+00	2.11E-08	2.33E-09	1.43E-09	0.00E+00	3.76E-09	1.30E-09	1.24E-09	0.00E+00	2.54E-09
4340	481501.8	3768860.93	1.262E-08	5.69E-09	0.00E+00	1.83E-08	1.25E-08	8.28E-09	0.00E+00	2.08E-08	2.29E-09	1.41E-09	0.00E+00	3.70E-09	1.28E-09	1.22E-09	0.00E+00	2.50E-09
4341	481511.32	3768861.05	1.244E-08	5.61E-09	0.00E+00	1.81E-08	1.23E-08	8.17E-09	0.00E+00	2.05E-08	2.26E-09	1.39E-09	0.00E+00	3.65E-09	1.26E-09	1.20E-09	0.00E+00	2.46E-09
4342	481349.15	3768889	1.474E-08	6.65E-09	0.00E+00	2.14E-08	1.46E-08	9.67E-09	0.00E+00	2.43E-08	2.68E-09	1.65E-09	0.00E+00	4.33E-09	1.50E-09	1.42E-09	0.00E+00	2.92E-09
4343	481358.66	3768889.12	1.443E-08	6.51E-09	0.00E+00	2.09E-08	1.43E-08	9.47E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.23E-09	1.46E-09	1.39E-09	0.00E+00	2.86E-09
4344	481368.18	3768889.24	1.413E-08	6.37E-09	0.00E+00	2.05E-08	1.40E-08	9.27E-09	0.00E+00	2.33E-08	2.57E-09	1.58E-09	0.00E+00	4.15E-09	1.43E-09	1.36E-09	0.00E+00	2.80E-09
4345	481377.7	3768889.36	1.385E-08	6.25E-09	0.00E+00	2.01E-08	1.37E-08	9.09E-09	0.00E+00	2.28E-08	2.52E-09	1.55E-09	0.00E+00	4.06E-09	1.40E-09	1.34E-09	0.00E+00	2.74E-09
4346	481387.21	3768889.48	1.358E-08	6.13E-09	0.00E+00	1.97E-08	1.34E-08	8.91E-09	0.00E+00	2.24E-08	2.47E-09	1.52E-09	0.00E+00	3.99E-09	1.38E-09	1.31E-09	0.00E+00	2.69E-09
4347	481396.73	3768889.6	1.333E-08	6.01E-09	0.00E+00	1.93E-08	1.32E-08	8.75E-09	0.00E+00	2.19E-08	2.42E-09	1.49E-09	0.00E+00	3.91E-09	1.35E-09	1.29E-09	0.00E+00	2.64E-09
4348	481406.25	3768889.72	1.309E-08	5.90E-09	0.00E+00	1.90E-08	1.30E-08	8.59E-09	0.00E+00	2.15E-08	2.38E-09	1.46E-09	0.00E+00	3.84E-09	1.33E-09	1.26E-09	0.00E+00	2.59E-09
4349	481415.77	3768889.85	1.286E-08	5.80E-09	0.00E+00	1.87E-08	1.27E-08	8.44E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.77E-09	1.30E-09	1.24E-09	0.00E+00	2.54E-09
4350	481425.28	3768889.97	1.264E-08	5.70E-09	0.00E+00	1.83E-08	1.25E-08	8.29E-09	0.00E+00	2.08E-08	2.30E-09	1.41E-09	0.00E+00	3.71E-09	1.28E-09	1.22E-09	0.00E+00	2.50E-09
4351	481																	

4420	481394.45	3769069.59	7.055E-09	3.18E-09	0.00E+00	1.02E-08	6.98E-09	4.63E-09	0.00E+00	1.16E-08	1.28E-09	7.89E-10	0.00E+00	2.07E-09	7.16E-10	6.81E-10	0.00E+00	1.40E-09
4421	481403.97	3769069.71	6.966E-09	3.14E-09	0.00E+00	1.01E-08	6.89E-09	4.57E-09	0.00E+00	1.15E-08	1.27E-09	7.79E-10	0.00E+00	2.04E-09	7.07E-10	6.72E-10	0.00E+00	1.38E-09
4422	481413.49	3769069.83	6.879E-09	3.10E-09	0.00E+00	9.98E-09	6.81E-09	4.51E-09	0.00E+00	1.13E-08	1.25E-09	7.69E-10	0.00E+00	2.02E-09	6.98E-10	6.64E-10	0.00E+00	1.36E-09
4423	481423.01	3769069.95	6.795E-09	3.06E-09	0.00E+00	9.86E-09	6.72E-09	4.46E-09	0.00E+00	1.12E-08	1.23E-09	7.59E-10	0.00E+00	1.99E-09	6.89E-10	6.56E-10	0.00E+00	1.34E-09
4424	481432.52	3769070.07	6.715E-09	3.03E-09	0.00E+00	9.74E-09	6.64E-09	4.41E-09	0.00E+00	1.11E-08	1.22E-09	7.51E-10	0.00E+00	1.97E-09	6.81E-10	6.48E-10	0.00E+00	1.33E-09
4425	481442.04	3769070.19	6.637E-09	2.99E-09	0.00E+00	9.63E-09	6.57E-09	4.36E-09	0.00E+00	1.09E-08	1.21E-09	7.42E-10	0.00E+00	1.95E-09	6.73E-10	6.40E-10	0.00E+00	1.31E-09
4426	481451.56	3769070.31	6.562E-09	2.96E-09	0.00E+00	9.52E-09	6.49E-09	4.31E-09	0.00E+00	1.08E-08	1.19E-09	7.33E-10	0.00E+00	1.93E-09	6.66E-10	6.33E-10	0.00E+00	1.30E-09
4427	481461.07	3769070.43	6.488E-09	2.93E-09	0.00E+00	9.41E-09	6.42E-09	4.26E-09	0.00E+00	1.07E-08	1.18E-09	7.25E-10	0.00E+00	1.90E-09	6.58E-10	6.26E-10	0.00E+00	1.28E-09
4428	481470.59	3769070.55	6.417E-09	2.89E-09	0.00E+00	9.31E-09	6.35E-09	4.21E-09	0.00E+00	1.06E-08	1.17E-09	7.17E-10	0.00E+00	1.88E-09	6.51E-10	6.19E-10	0.00E+00	1.27E-09
4429	481480.11	3769070.67	6.348E-09	2.86E-09	0.00E+00	9.21E-09	6.28E-09	4.17E-09	0.00E+00	1.04E-08	1.15E-09	7.09E-10	0.00E+00	1.86E-09	6.44E-10	6.12E-10	0.00E+00	1.26E-09
4430	481489.63	3769070.8	6.279E-09	2.83E-09	0.00E+00	9.11E-09	6.21E-09	4.12E-09	0.00E+00	1.03E-08	1.14E-09	7.02E-10	0.00E+00	1.84E-09	6.37E-10	6.06E-10	0.00E+00	1.24E-09
4431	481499.14	3769070.92	6.213E-09	2.80E-09	0.00E+00	9.01E-09	6.15E-09	4.08E-09	0.00E+00	1.02E-08	1.13E-09	6.94E-10	0.00E+00	1.82E-09	6.30E-10	5.99E-10	0.00E+00	1.23E-09
4432	481508.66	3769071.04	6.149E-09	2.77E-09	0.00E+00	8.92E-09	6.08E-09	4.03E-09	0.00E+00	1.01E-08	1.12E-09	6.87E-10	0.00E+00	1.80E-09	6.24E-10	5.93E-10	0.00E+00	1.22E-09
4433	481518.18	3769071.16	6.088E-09	2.75E-09	0.00E+00	8.83E-09	6.02E-09	3.99E-09	0.00E+00	1.00E-08	1.11E-09	6.80E-10	0.00E+00	1.79E-09	6.18E-10	5.87E-10	0.00E+00	1.20E-09
4434	481346.49	3769098.98	6.894E-09	3.11E-09	0.00E+00	1.00E-08	6.82E-09	4.52E-09	0.00E+00	1.13E-08	1.25E-09	7.70E-10	0.00E+00	2.02E-09	6.99E-10	6.65E-10	0.00E+00	1.36E-09
4435	481356	3769099.11	6.807E-09	3.07E-09	0.00E+00	9.88E-09	6.74E-09	4.47E-09	0.00E+00	1.12E-08	1.24E-09	7.61E-10	0.00E+00	2.00E-09	6.90E-10	6.57E-10	0.00E+00	1.35E-09
4436	481365.52	3769099.23	6.722E-09	3.03E-09	0.00E+00	9.75E-09	6.65E-09	4.41E-09	0.00E+00	1.11E-08	1.22E-09	7.51E-10	0.00E+00	1.97E-09	6.82E-10	6.48E-10	0.00E+00	1.33E-09
4437	481375.04	3769099.35	6.64E-09	2.99E-09	0.00E+00	9.63E-09	6.57E-09	4.36E-09	0.00E+00	1.09E-08	1.21E-09	7.42E-10	0.00E+00	1.95E-09	6.74E-10	6.41E-10	0.00E+00	1.31E-09
4438	481384.56	3769099.47	6.559E-09	2.96E-09	0.00E+00	9.52E-09	6.49E-09	4.30E-09	0.00E+00	1.08E-08	1.19E-09	7.33E-10	0.00E+00	1.92E-09	6.65E-10	6.33E-10	0.00E+00	1.30E-09
4439	481394.07	3769099.59	6.48E-09	2.92E-09	0.00E+00	9.40E-09	6.41E-09	4.25E-09	0.00E+00	1.07E-08	1.18E-09	7.24E-10	0.00E+00	1.90E-09	6.57E-10	6.25E-10	0.00E+00	1.28E-09
4440	481403.59	3769099.71	6.402E-09	2.89E-09	0.00E+00	9.29E-09	6.33E-09	4.20E-09	0.00E+00	1.05E-08	1.16E-09	7.15E-10	0.00E+00	1.88E-09	6.49E-10	6.18E-10	0.00E+00	1.27E-09
4441	481413.11	3769099.83	6.326E-09	2.85E-09	0.00E+00	9.18E-09	6.26E-09	4.15E-09	0.00E+00	1.04E-08	1.15E-09	7.07E-10	0.00E+00	1.86E-09	6.42E-10	6.10E-10	0.00E+00	1.25E-09
4442	481422.63	3769099.95	6.252E-09	2.82E-09	0.00E+00	9.07E-09	6.19E-09	4.10E-09	0.00E+00	1.03E-08	1.14E-09	6.99E-10	0.00E+00	1.83E-09	6.34E-10	6.03E-10	0.00E+00	1.24E-09
4443	481432.14	3769100.07	6.182E-09	2.79E-09	0.00E+00	8.97E-09	6.12E-09	4.06E-09	0.00E+00	1.02E-08	1.12E-09	6.91E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
4444	481441.66	3769100.19	6.113E-09	2.76E-09	0.00E+00	8.87E-09	6.05E-09	4.01E-09	0.00E+00	1.01E-08	1.11E-09	6.83E-10	0.00E+00	1.79E-09	6.20E-10	5.90E-10	0.00E+00	1.21E-09
4445	481451.18	3769100.31	6.046E-09	2.73E-09	0.00E+00	8.77E-09	5.98E-09	3.97E-09	0.00E+00	9.95E-09	1.10E-09	6.76E-10	0.00E+00	1.77E-09	6.13E-10	5.83E-10	0.00E+00	1.20E-09
4446	481460.69	3769100.43	5.98E-09	2.70E-09	0.00E+00	8.68E-09	5.92E-09	3.92E-09	0.00E+00	9.84E-09	1.09E-09	6.68E-10	0.00E+00	1.75E-09	6.07E-10	5.77E-10	0.00E+00	1.18E-09
4447	481470.21	3769100.55	5.915E-09	2.67E-09	0.00E+00	8.58E-09	5.85E-09	3.88E-09	0.00E+00	9.74E-09	1.07E-09	6.61E-10	0.00E+00	1.74E-09	6.00E-10	5.71E-10	0.00E+00	1.17E-09
4448	481479.73	3769100.67	5.853E-09	2.64E-09	0.00E+00	8.49E-09	5.79E-09	3.84E-09	0.00E+00	9.63E-09	1.06E-09	6.54E-10	0.00E+00	1.72E-09	5.94E-10	5.65E-10	0.00E+00	1.16E-09
4449	481489.25	3769100.79	5.793E-09	2.61E-09	0.00E+00	8.41E-09	5.73E-09	3.80E-09	0.00E+00	9.53E-09	1.05E-09	6.47E-10	0.00E+00	1.70E-09	5.88E-10	5.59E-10	0.00E+00	1.15E-09
4450	481498.76	3769100.91	5.736E-09	2.59E-09	0.00E+00	8.32E-09	5.68E-09	3.76E-09	0.00E+00	9.44E-09	1.04E-09	6.41E-10	0.00E+00	1.68E-09	5.82E-10	5.53E-10	0.00E+00	1.14E-09
4451	481508.28	3769101.03	5.68E-09	2.56E-09	0.00E+00	8.24E-09	5.62E-09	3.73E-09	0.00E+00	9.35E-09	1.03E-09	6.35E-10	0.00E+00	1.67E-09	5.76E-10	5.48E-10	0.00E+00	1.12E-09
4452	481517.8	3769101.15	5.626E-09	2.54E-09	0.00E+00	8.16E-09	5.57E-09	3.69E-09	0.00E+00	9.26E-09	1.02E-09	6.29E-10	0.00E+00	1.65E-09	5.71E-10	5.43E-10	0.00E+00	1.11E-09
4453	481346.11	3769128.98	6.34E-09	2.86E-09	0.00E+00	9.20E-09	6.27E-09	4.16E-09	0.00E+00	1.04E-08	1.15E-09	7.09E-10	0.00E+00	1.86E-09	6.43E-10	6.12E-10	0.00E+00	1.25E-09
4454	481355.62	3769129.1	6.264E-09	2.83E-09	0.00E+00	9.09E-09	6.20E-09	4.11E-09	0.00E+00	1.03E-08	1.14E-09	7.00E-10	0.00E+00	1.84E-09	6.35E-10	6.04E-10	0.00E+00	1.24E-09
4455	481365.14	3769129.22	6.19E-09	2.79E-09	0.00E+00	8.98E-09	6.12E-09	4.06E-09	0.00E+00	1.02E-08	1.12E-09	6.92E-10	0.00E+00	1.82E-09	6.28E-10	5.97E-10	0.00E+00	1.22E-09
4456	481374.66	3769129.34	6.116E-09	2.76E-09	0.00E+00	8.87E-09	6.05E-09	4.01E-09	0.00E+00	1.01E-08	1.11E-09	6.84E-10	0.00E+00	1.79E-09	6.20E-10	5.90E-10	0.00E+00	1.21E-09
4457	481384.18	3769129.46	6.043E-09	2.73E-09	0.00E+00	8.77E-09	5.98E-09	3.97E-09	0.00E+00	9.95E-09	1.10E-09	6.75E-10	0.00E+00	1.77E-09	6.13E-10	5.83E-10	0.00E+00	1.20E-09
4458	481393.69	3769129.59	5.973E-09	2.69E-09	0.00E+00	8.67E-09	5.91E-09	3.92E-09	0.00E+00	9.83E-09	1.09E-09	6.68E-10	0.00E+00	1.75E-09	6.06E-10	5.76E-10	0.00E+00	1.18E-09
4459	481403.21	3769129.71	5.906E-09	2.66E-09	0.00E+00	8.57E-09	5.84E-09	3.88E-09	0.00E+00	9.72E-09	1.07E-09	6.60E-10	0.00E+00	1.73E-09	5.99E-10	5.70E-10	0.00E+00	1.17E-09
4460	481412.73	3769129.83	5.841E-09	2.63E-09	0.00E+00	8.47E-09	5.78E-09	3.83E-09	0.00E+00	9.61E-09	1.06E-09	6.53E-10	0.00E+00	1.71E-09	5.92E-10	5.63E-10	0.00E+00	1.16E-09
4461	481422.25	3769129.95	5.776E-09	2.61E-09	0.00E+00	8.38E-09	5.72E-09	3.79E-09	0.00E+00	9.51E-09	1.05E-09	6.46E-10	0.00E+00	1.70E-09	5.86E-10	5.57E-10	0.00E+00	1.14E-09
4462	481431.76	3769130.07	5.712E-09	2.58E-09	0.00E+00	8.29E-09	5.65E-09	3.75E-09	0.00E+00	9.40E-09	1.04E-09	6.38E-10	0.00E+00	1.68E-09	5.79E-10	5.51E-10	0.00E+00	1.13E-09
4463	481441.28	3769130.19	5.65E-09	2.55E-09	0.00E+00	8.20E-09	5.59E-09	3.71E-09	0.00E+00	9.30E-09	1.03E-09	6.31E-10	0.00E+00	1.66E-09	5.73E-10	5.45E-10	0.00E+00	1.12E-09
4464	481450.8	3769130.31	5.59E-09	2.52E-09	0.00E+00	8.11E-09	5.53E-09	3.67E-09	0.00E+00	9.20E-09	1.02E-09	6.25E-10	0.00E+00	1.64E-09	5.67E-10	5.39E-10	0.00E+00	1.11E-09
4465	481460.31	3769130.43	5.532E-09	2.49E-09	0.00E+00	8.03E-09	5.47E-09	3.63E-09	0.00E+00	9.10E-09	1.01E-09	6.18E-10	0.00E+00	1.62E-09	5.61E-10	5.34E-10	0.00E+00	1.09E-09
4466	481469.83	3769130.55	5.476E-09	2.47E-09	0.00E+00	7.95E-09	5.42E-09	3.59E-09	0.00E+00	9.01E-09	9.95E-10	6.12E-10	0.00E+00	1.61E-09	5.55E-10	5.28E-10	0.00E+00	1.08E-09
4467	481479.35	3769130.67	5.421E-09	2.44E-09	0.00E+00	7.87E-09	5.36E-09	3.56E-09	0.00E+00	8.92E-09	9.85E-10	6.06E-10	0.00E+00	1.59E-09	5.50E-10	5.23E-10	0.00E+00	1.07E-09
4468	481488.87	3769130.79	5.367E-09	2.42E-09	0.00E+00	7.79E-09	5.31E-09	3.52E-09	0.00E+00	8.83E-09	9.75E-10	6.00E-10	0.00E+00	1.58E-09	5.44E-10	5.18E-10	0.00E+00	1.06E-09
4469																		

4538	481559.92	3768639.47	4.747E-08	2.14E-08	0.00E+00	6.89E-08	4.70E-08	3.12E-08	0.00E+00	7.81E-08	8.63E-09	5.31E-09	0.00E+00	1.39E-08	4.82E-09	4.58E-09	0.00E+00	9.40E-09
4539	481550.81	3768643.13	4.659E-08	2.10E-08	0.00E+00	6.76E-08	4.61E-08	3.06E-08	0.00E+00	7.67E-08	8.46E-09	5.21E-09	0.00E+00	1.37E-08	4.73E-09	4.49E-09	0.00E+00	9.22E-09
4540	481653.42	3768467.27	1.781E-07	8.03E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.93E-07	3.24E-08	1.99E-08	0.00E+00	5.23E-08	1.81E-08	1.72E-08	0.00E+00	3.53E-08
4541	481653.49	3768457.29	1.853E-07	8.36E-08	0.00E+00	2.69E-07	1.83E-07	1.22E-07	0.00E+00	3.05E-07	3.37E-08	2.07E-08	0.00E+00	5.44E-08	1.88E-08	1.79E-08	0.00E+00	3.67E-08
4542	481653.57	3768447.31	1.913E-07	8.63E-08	0.00E+00	2.78E-07	1.89E-07	1.26E-07	0.00E+00	3.15E-07	3.48E-08	2.14E-08	0.00E+00	5.61E-08	1.94E-08	1.85E-08	0.00E+00	3.79E-08
4543	481653.64	3768437.33	1.958E-07	8.83E-08	0.00E+00	2.84E-07	1.94E-07	1.29E-07	0.00E+00	3.22E-07	3.56E-08	2.19E-08	0.00E+00	5.75E-08	1.99E-08	1.89E-08	0.00E+00	3.88E-08
4544	481653.71	3768427.35	1.989E-07	8.97E-08	0.00E+00	2.89E-07	1.97E-07	1.31E-07	0.00E+00	3.27E-07	3.61E-08	2.22E-08	0.00E+00	5.84E-08	2.02E-08	1.92E-08	0.00E+00	3.94E-08
4545	481653.79	3768417.37	2.004E-07	9.04E-08	0.00E+00	2.91E-07	1.98E-07	1.32E-07	0.00E+00	3.30E-07	3.64E-08	2.24E-08	0.00E+00	5.88E-08	2.03E-08	1.93E-08	0.00E+00	3.97E-08
4546	481653.86	3768407.39	2.004E-07	9.04E-08	0.00E+00	2.91E-07	1.98E-07	1.31E-07	0.00E+00	3.30E-07	3.64E-08	2.24E-08	0.00E+00	5.88E-08	2.03E-08	1.93E-08	0.00E+00	3.97E-08
4547	481653.93	3768397.41	1.987E-07	8.96E-08	0.00E+00	2.88E-07	1.97E-07	1.30E-07	0.00E+00	3.27E-07	3.61E-08	2.22E-08	0.00E+00	5.83E-08	2.02E-08	1.92E-08	0.00E+00	3.93E-08
4548	481654.01	3768387.44	1.955E-07	8.82E-08	0.00E+00	2.84E-07	1.93E-07	1.28E-07	0.00E+00	3.22E-07	3.55E-08	2.19E-08	0.00E+00	5.74E-08	1.98E-08	1.89E-08	0.00E+00	3.87E-08
4549	481644.04	3768571.47	8.058E-08	3.63E-08	0.00E+00	1.17E-07	7.97E-08	5.29E-08	0.00E+00	1.33E-07	1.46E-08	9.01E-09	0.00E+00	2.36E-08	8.17E-09	7.77E-09	0.00E+00	1.59E-08
4550	481640.28	3768580.32	7.434E-08	3.35E-08	0.00E+00	1.08E-07	7.36E-08	4.88E-08	0.00E+00	1.22E-07	1.35E-08	8.31E-09	0.00E+00	2.18E-08	7.54E-09	7.17E-09	0.00E+00	1.47E-08
4551	481636.52	3768589.17	6.842E-08	3.09E-08	0.00E+00	9.93E-08	6.77E-08	4.49E-08	0.00E+00	1.13E-07	1.24E-08	7.65E-09	0.00E+00	2.01E-08	6.94E-09	6.60E-09	0.00E+00	1.35E-08
4552	481632.77	3768598.02	6.29E-08	2.84E-08	0.00E+00	9.13E-08	6.22E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
4553	481629.01	3768606.87	5.782E-08	2.61E-08	0.00E+00	8.39E-08	5.72E-08	3.79E-08	0.00E+00	9.52E-08	1.05E-08	6.46E-09	0.00E+00	1.70E-08	5.86E-09	5.58E-09	0.00E+00	1.14E-08
4554	481625.26	3768615.72	5.321E-08	2.40E-08	0.00E+00	7.72E-08	5.26E-08	3.49E-08	0.00E+00	8.76E-08	9.67E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.13E-09	0.00E+00	1.05E-08
4555	481612.57	3768628.15	4.817E-08	2.17E-08	0.00E+00	6.99E-08	4.77E-08	3.16E-08	0.00E+00	7.93E-08	8.75E-09	5.38E-09	0.00E+00	1.41E-08	4.89E-09	4.65E-09	0.00E+00	9.53E-09
4556	481603.65	3768631.73	4.731E-08	2.13E-08	0.00E+00	6.86E-08	4.68E-08	3.10E-08	0.00E+00	7.79E-08	8.60E-09	5.29E-09	0.00E+00	1.39E-08	4.80E-09	4.56E-09	0.00E+00	9.36E-09
4557	481594.73	3768635.3	4.642E-08	2.09E-08	0.00E+00	6.74E-08	4.59E-08	3.05E-08	0.00E+00	7.64E-08	8.43E-09	5.19E-09	0.00E+00	1.36E-08	4.71E-09	4.48E-09	0.00E+00	9.19E-09
4558	481585.8	3768638.88	4.551E-08	2.05E-08	0.00E+00	6.60E-08	4.50E-08	2.99E-08	0.00E+00	7.49E-08	8.27E-09	5.09E-09	0.00E+00	1.34E-08	4.62E-09	4.39E-09	0.00E+00	9.01E-09
4559	481576.88	3768642.46	4.461E-08	2.01E-08	0.00E+00	6.47E-08	4.41E-08	2.93E-08	0.00E+00	7.34E-08	8.10E-09	4.99E-09	0.00E+00	1.31E-08	4.52E-09	4.30E-09	0.00E+00	8.83E-09
4560	481567.96	3768646.04	4.374E-08	1.97E-08	0.00E+00	6.35E-08	4.33E-08	2.87E-08	0.00E+00	7.20E-08	7.95E-09	4.89E-09	0.00E+00	1.28E-08	4.44E-09	4.22E-09	0.00E+00	8.66E-09
4561	481559.03	3768649.62	4.298E-08	1.94E-08	0.00E+00	6.24E-08	4.25E-08	2.82E-08	0.00E+00	7.07E-08	7.81E-09	4.80E-09	0.00E+00	1.26E-08	4.36E-09	4.15E-09	0.00E+00	8.51E-09
4562	481550.11	3768653.2	4.227E-08	1.91E-08	0.00E+00	6.13E-08	4.18E-08	2.77E-08	0.00E+00	6.96E-08	7.68E-09	4.72E-09	0.00E+00	1.24E-08	4.29E-09	4.08E-09	0.00E+00	8.37E-09
4563	481663.26	3768467.34	1.658E-07	7.48E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.73E-07	3.01E-08	1.85E-08	0.00E+00	4.87E-08	1.68E-08	1.60E-08	0.00E+00	3.28E-08
4564	481663.33	3768457.36	1.724E-07	7.77E-08	0.00E+00	2.50E-07	1.71E-07	1.13E-07	0.00E+00	2.84E-07	3.13E-08	1.93E-08	0.00E+00	5.06E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
4565	481663.4	3768447.38	1.778E-07	8.02E-08	0.00E+00	2.58E-07	1.76E-07	1.17E-07	0.00E+00	2.93E-07	3.23E-08	1.99E-08	0.00E+00	5.22E-08	1.80E-08	1.72E-08	0.00E+00	3.52E-08
4566	481663.48	3768437.4	1.82E-07	8.21E-08	0.00E+00	2.64E-07	1.80E-07	1.19E-07	0.00E+00	3.00E-07	3.31E-08	2.03E-08	0.00E+00	5.34E-08	1.85E-08	1.76E-08	0.00E+00	3.60E-08
4567	481663.55	3768427.42	1.849E-07	8.34E-08	0.00E+00	2.68E-07	1.83E-07	1.21E-07	0.00E+00	3.04E-07	3.36E-08	2.07E-08	0.00E+00	5.43E-08	1.88E-08	1.78E-08	0.00E+00	3.66E-08
4568	481663.62	3768417.44	1.864E-07	8.41E-08	0.00E+00	2.70E-07	1.84E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.08E-08	0.00E+00	5.47E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
4569	481663.7	3768407.47	1.865E-07	8.41E-08	0.00E+00	2.71E-07	1.85E-07	1.22E-07	0.00E+00	3.07E-07	3.39E-08	2.08E-08	0.00E+00	5.47E-08	1.89E-08	1.80E-08	0.00E+00	3.69E-08
4570	481663.77	3768397.49	1.852E-07	8.35E-08	0.00E+00	2.69E-07	1.83E-07	1.22E-07	0.00E+00	3.05E-07	3.36E-08	2.07E-08	0.00E+00	5.43E-08	1.88E-08	1.79E-08	0.00E+00	3.66E-08
4571	481663.84	3768387.51	1.825E-07	8.23E-08	0.00E+00	2.65E-07	1.81E-07	1.20E-07	0.00E+00	3.00E-07	3.32E-08	2.04E-08	0.00E+00	5.36E-08	1.85E-08	1.76E-08	0.00E+00	3.61E-08
4572	481654.21	3768570.75	7.818E-08	3.53E-08	0.00E+00	1.13E-07	7.74E-08	5.13E-08	0.00E+00	1.29E-07	1.42E-08	8.74E-09	0.00E+00	2.29E-08	7.93E-09	7.54E-09	0.00E+00	1.55E-08
4573	481650.52	3768579.44	7.25E-08	3.27E-08	0.00E+00	1.05E-07	7.17E-08	4.76E-08	0.00E+00	1.19E-07	1.32E-08	8.10E-09	0.00E+00	2.13E-08	7.35E-09	6.99E-09	0.00E+00	1.43E-08
4574	481646.83	3768588.13	6.707E-08	3.02E-08	0.00E+00	9.73E-08	6.64E-08	4.40E-08	0.00E+00	1.10E-07	1.22E-08	7.50E-09	0.00E+00	1.97E-08	6.80E-09	6.47E-09	0.00E+00	1.33E-08
4575	481643.14	3768596.82	6.195E-08	2.79E-08	0.00E+00	8.99E-08	6.13E-08	4.07E-08	0.00E+00	1.02E-07	1.13E-08	6.92E-09	0.00E+00	1.82E-08	6.28E-09	5.98E-09	0.00E+00	1.23E-08
4576	481639.45	3768605.52	5.718E-08	2.58E-08	0.00E+00	8.30E-08	5.66E-08	3.75E-08	0.00E+00	9.41E-08	1.04E-08	6.39E-09	0.00E+00	1.68E-08	5.80E-09	5.52E-09	0.00E+00	1.13E-08
4577	481635.76	3768614.21	5.278E-08	2.38E-08	0.00E+00	7.66E-08	5.22E-08	3.46E-08	0.00E+00	8.69E-08	9.59E-09	5.90E-09	0.00E+00	1.55E-08	5.35E-09	5.09E-09	0.00E+00	1.04E-08
4578	481632.08	3768622.9	4.876E-08	2.20E-08	0.00E+00	7.08E-08	4.83E-08	3.20E-08	0.00E+00	8.03E-08	8.86E-09	5.45E-09	0.00E+00	1.43E-08	4.95E-09	4.70E-09	0.00E+00	9.65E-09
4579	481619.62	3768635.11	4.437E-08	2.00E-08	0.00E+00	6.44E-08	4.39E-08	2.91E-08	0.00E+00	7.30E-08	8.06E-09	4.96E-09	0.00E+00	1.30E-08	4.50E-09	4.28E-09	0.00E+00	8.78E-09
4580	481610.86	3768638.62	4.361E-08	1.97E-08	0.00E+00	6.33E-08	4.32E-08	2.86E-08	0.00E+00	7.18E-08	7.92E-09	4.87E-09	0.00E+00	1.28E-08	4.42E-09	4.21E-09	0.00E+00	8.63E-09
4581	481602.09	3768642.14	4.285E-08	1.93E-08	0.00E+00	6.22E-08	4.24E-08	2.81E-08	0.00E+00	7.05E-08	7.79E-09	4.79E-09	0.00E+00	1.26E-08	4.35E-09	4.13E-09	0.00E+00	8.48E-09
4582	481593.33	3768645.65	4.205E-08	1.90E-08	0.00E+00	6.10E-08	4.16E-08	2.76E-08	0.00E+00	6.92E-08	7.64E-09	4.70E-09	0.00E+00	1.23E-08	4.27E-09	4.06E-09	0.00E+00	8.32E-09
4583	481584.56	3768649.17	4.125E-08	1.86E-08	0.00E+00	5.99E-08	4.08E-08	2.71E-08	0.00E+00	6.79E-08	7.50E-09	4.61E-09	0.00E+00	1.21E-08	4.18E-09	3.98E-09	0.00E+00	8.16E-09
4584	481575.8	3768652.68	4.05E-08	1.83E-08	0.00E+00	5.88E-08	4.01E-08	2.66E-08	0.00E+00	6.67E-08	7.36E-09	4.53E-09	0.00E+00	1.19E-08	4.11E-09	3.91E-09	0.00E+00	8.02E-09
4585	481567.03	3768656.2	3.98E-08	1.80E-08	0.00E+00	5.78E-08	3.94E-08	2.61E-08	0.00E+00	6.55E-08	7.23E-09	4.45E-09	0.00E+00	1.17E-08	4.04E-09	3.84E-09	0.00E+00	7.88E-09
4586	481558.27	3768659.71	3.917E-08	1.77E-08	0.00E+00	5.68E-08	3.88E-08	2.57E-08	0.00E+00	6.45E-08	7.12E-09	4.38E-09	0.00E+00	1.15E-08	3.97E-09	3.78E-09	0.00E+00	7.75E-09
4587																		

4656	481558.9	3768688.82	3.062E-08	1.38E-08	0.00E+00	4.44E-08	3.03E-08	2.01E-08	0.00E+00	5.04E-08	5.56E-09	3.42E-09	0.00E+00	8.99E-09	3.11E-09	2.95E-09	0.00E+00	6.06E-09
4657	481549.88	3768692.44	3.021E-08	1.36E-08	0.00E+00	4.38E-08	2.99E-08	1.98E-08	0.00E+00	4.97E-08	5.49E-09	3.38E-09	0.00E+00	8.87E-09	3.06E-09	2.91E-09	0.00E+00	5.98E-09
4658	481703.05	3768407.76	1.437E-07	6.48E-08	0.00E+00	2.08E-07	1.42E-07	9.43E-08	0.00E+00	2.36E-07	2.61E-08	1.61E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.84E-08
4659	481703.13	3768397.78	1.433E-07	6.46E-08	0.00E+00	2.08E-07	1.42E-07	9.40E-08	0.00E+00	2.36E-07	2.60E-08	1.60E-08	0.00E+00	4.20E-08	1.45E-08	1.38E-08	0.00E+00	2.84E-08
4660	481703.2	3768387.8	1.42E-07	6.40E-08	0.00E+00	2.06E-07	1.41E-07	9.32E-08	0.00E+00	2.34E-07	2.58E-08	1.59E-08	0.00E+00	4.17E-08	1.44E-08	1.37E-08	0.00E+00	2.81E-08
4661	481689.58	3768580.42	6.296E-08	2.84E-08	0.00E+00	9.14E-08	6.23E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.04E-09	0.00E+00	1.85E-08	6.39E-09	6.07E-09	0.00E+00	1.25E-08
4662	481685.84	3768589.23	5.888E-08	2.66E-08	0.00E+00	8.54E-08	5.83E-08	3.86E-08	0.00E+00	9.69E-08	1.07E-08	6.58E-09	0.00E+00	1.73E-08	5.97E-09	5.68E-09	0.00E+00	1.17E-08
4663	481682.1	3768598.04	5.495E-08	2.48E-08	0.00E+00	7.97E-08	5.44E-08	3.61E-08	0.00E+00	9.04E-08	9.98E-09	6.14E-09	0.00E+00	1.61E-08	5.57E-09	5.30E-09	0.00E+00	1.09E-08
4664	481678.36	3768606.85	5.122E-08	2.31E-08	0.00E+00	7.43E-08	5.07E-08	3.36E-08	0.00E+00	8.43E-08	9.31E-09	5.72E-09	0.00E+00	1.50E-08	5.20E-09	4.94E-09	0.00E+00	1.01E-08
4665	481674.63	3768615.66	4.769E-08	2.15E-08	0.00E+00	6.92E-08	4.72E-08	3.13E-08	0.00E+00	7.85E-08	8.67E-09	5.33E-09	0.00E+00	1.40E-08	4.84E-09	4.60E-09	0.00E+00	9.44E-09
4666	481670.89	3768624.47	4.44E-08	2.00E-08	0.00E+00	6.44E-08	4.39E-08	2.91E-08	0.00E+00	7.31E-08	8.07E-09	4.96E-09	0.00E+00	1.30E-08	4.50E-09	4.28E-09	0.00E+00	8.79E-09
4667	481667.15	3768633.27	4.136E-08	1.87E-08	0.00E+00	6.00E-08	4.09E-08	2.71E-08	0.00E+00	6.81E-08	7.52E-09	4.62E-09	0.00E+00	1.21E-08	4.20E-09	3.99E-09	0.00E+00	8.19E-09
4668	481663.41	3768642.08	3.855E-08	1.74E-08	0.00E+00	5.59E-08	3.81E-08	2.53E-08	0.00E+00	6.34E-08	7.00E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.63E-09
4669	481659.67	3768650.89	3.598E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.54E-09	4.02E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.12E-09
4670	481647.05	3768663.26	3.305E-08	1.49E-08	0.00E+00	4.80E-08	3.27E-08	2.17E-08	0.00E+00	5.44E-08	6.01E-09	3.69E-09	0.00E+00	9.70E-09	3.35E-09	3.19E-09	0.00E+00	6.54E-09
4671	481638.17	3768666.82	3.25E-08	1.47E-08	0.00E+00	4.72E-08	3.22E-08	2.13E-08	0.00E+00	5.35E-08	5.91E-09	3.63E-09	0.00E+00	9.54E-09	3.30E-09	3.14E-09	0.00E+00	6.43E-09
4672	481629.29	3768670.38	3.196E-08	1.44E-08	0.00E+00	4.64E-08	3.16E-08	2.10E-08	0.00E+00	5.26E-08	5.81E-09	3.57E-09	0.00E+00	9.38E-09	3.24E-09	3.08E-09	0.00E+00	6.32E-09
4673	481620.41	3768673.95	3.142E-08	1.42E-08	0.00E+00	4.56E-08	3.11E-08	2.06E-08	0.00E+00	5.17E-08	5.71E-09	3.51E-09	0.00E+00	9.22E-09	3.19E-09	3.03E-09	0.00E+00	6.22E-09
4674	481611.53	3768677.51	3.091E-08	1.39E-08	0.00E+00	4.48E-08	3.06E-08	2.03E-08	0.00E+00	5.09E-08	5.62E-09	3.45E-09	0.00E+00	9.07E-09	3.13E-09	2.98E-09	0.00E+00	6.12E-09
4675	481602.65	3768681.07	3.041E-08	1.37E-08	0.00E+00	4.41E-08	3.01E-08	2.00E-08	0.00E+00	5.00E-08	5.52E-09	3.40E-09	0.00E+00	8.92E-09	3.08E-09	2.93E-09	0.00E+00	6.02E-09
4676	481593.76	3768684.63	2.995E-08	1.35E-08	0.00E+00	4.35E-08	2.96E-08	1.97E-08	0.00E+00	4.93E-08	5.44E-09	3.35E-09	0.00E+00	8.79E-09	3.04E-09	2.89E-09	0.00E+00	5.93E-09
4677	481584.88	3768688.19	2.953E-08	1.33E-08	0.00E+00	4.29E-08	2.92E-08	1.94E-08	0.00E+00	4.86E-08	5.37E-09	3.30E-09	0.00E+00	8.67E-09	3.00E-09	2.85E-09	0.00E+00	5.84E-09
4678	481576	3768691.75	2.914E-08	1.31E-08	0.00E+00	4.23E-08	2.88E-08	1.91E-08	0.00E+00	4.80E-08	5.29E-09	3.26E-09	0.00E+00	8.55E-09	2.96E-09	2.81E-09	0.00E+00	5.77E-09
4679	481567.12	3768695.31	2.876E-08	1.30E-08	0.00E+00	4.17E-08	2.85E-08	1.89E-08	0.00E+00	4.73E-08	5.23E-09	3.21E-09	0.00E+00	8.44E-09	2.92E-09	2.77E-09	0.00E+00	5.69E-09
4680	481558.24	3768698.88	2.838E-08	1.28E-08	0.00E+00	4.12E-08	2.81E-08	1.86E-08	0.00E+00	4.67E-08	5.16E-09	3.17E-09	0.00E+00	8.33E-09	2.88E-09	2.74E-09	0.00E+00	5.62E-09
4681	481549.36	3768702.44	2.803E-08	1.26E-08	0.00E+00	4.07E-08	2.77E-08	1.84E-08	0.00E+00	4.61E-08	5.09E-09	3.13E-09	0.00E+00	8.23E-09	2.84E-09	2.70E-09	0.00E+00	5.55E-09
4682	481712.89	3768407.83	1.405E-07	6.34E-08	0.00E+00	2.04E-07	1.39E-07	9.22E-08	0.00E+00	2.31E-07	2.55E-08	1.57E-08	0.00E+00	4.12E-08	1.43E-08	1.36E-08	0.00E+00	2.78E-08
4683	481712.96	3768397.85	1.403E-07	6.33E-08	0.00E+00	2.04E-07	1.39E-07	9.21E-08	0.00E+00	2.31E-07	2.55E-08	1.57E-08	0.00E+00	4.12E-08	1.42E-08	1.35E-08	0.00E+00	2.78E-08
4684	481713.04	3768387.87	1.392E-07	6.28E-08	0.00E+00	2.02E-07	1.38E-07	9.14E-08	0.00E+00	2.29E-07	2.53E-08	1.56E-08	0.00E+00	4.09E-08	1.41E-08	1.34E-08	0.00E+00	2.76E-08
4685	481696.02	3768588.49	5.75E-08	2.59E-08	0.00E+00	8.34E-08	5.69E-08	3.77E-08	0.00E+00	9.46E-08	1.04E-08	6.43E-09	0.00E+00	1.69E-08	5.83E-09	5.55E-09	0.00E+00	1.14E-08
4686	481692.34	3768597.19	5.382E-08	2.43E-08	0.00E+00	7.81E-08	5.33E-08	3.53E-08	0.00E+00	8.86E-08	9.78E-09	6.02E-09	0.00E+00	1.58E-08	5.46E-09	5.19E-09	0.00E+00	1.07E-08
4687	481688.65	3768605.88	5.031E-08	2.27E-08	0.00E+00	7.30E-08	4.98E-08	3.30E-08	0.00E+00	8.28E-08	9.14E-09	5.62E-09	0.00E+00	1.48E-08	5.10E-09	4.85E-09	0.00E+00	9.96E-09
4688	481684.96	3768614.57	4.701E-08	2.12E-08	0.00E+00	6.82E-08	4.65E-08	3.08E-08	0.00E+00	7.74E-08	8.54E-09	5.25E-09	0.00E+00	1.38E-08	4.77E-09	4.53E-09	0.00E+00	9.30E-09
4689	481681.27	3768623.26	4.389E-08	1.98E-08	0.00E+00	6.37E-08	4.34E-08	2.88E-08	0.00E+00	7.22E-08	7.98E-09	4.91E-09	0.00E+00	1.29E-08	4.45E-09	4.23E-09	0.00E+00	8.69E-09
4690	481677.58	3768631.96	4.098E-08	1.85E-08	0.00E+00	5.95E-08	4.06E-08	2.69E-08	0.00E+00	6.74E-08	7.45E-09	4.58E-09	0.00E+00	1.20E-08	4.16E-09	3.95E-09	0.00E+00	8.11E-09
4691	481673.89	3768640.65	3.829E-08	1.73E-08	0.00E+00	5.56E-08	3.79E-08	2.51E-08	0.00E+00	6.30E-08	6.96E-09	4.28E-09	0.00E+00	1.12E-08	3.88E-09	3.69E-09	0.00E+00	7.58E-09
4692	481670.2	3768649.34	3.581E-08	1.61E-08	0.00E+00	5.20E-08	3.54E-08	2.35E-08	0.00E+00	5.89E-08	6.51E-09	4.00E-09	0.00E+00	1.05E-08	3.63E-09	3.45E-09	0.00E+00	7.09E-09
4693	481666.51	3768658.03	3.352E-08	1.51E-08	0.00E+00	4.86E-08	3.32E-08	2.20E-08	0.00E+00	5.52E-08	6.09E-09	3.75E-09	0.00E+00	9.84E-09	3.40E-09	3.23E-09	0.00E+00	6.63E-09
4694	481654.06	3768670.24	3.094E-08	1.40E-08	0.00E+00	4.49E-08	3.06E-08	2.03E-08	0.00E+00	5.09E-08	5.62E-09	3.46E-09	0.00E+00	9.08E-09	3.14E-09	2.99E-09	0.00E+00	6.12E-09
4695	481645.29	3768673.76	3.045E-08	1.37E-08	0.00E+00	4.42E-08	3.01E-08	2.00E-08	0.00E+00	5.01E-08	5.53E-09	3.40E-09	0.00E+00	8.94E-09	3.09E-09	2.94E-09	0.00E+00	6.03E-09
4696	481636.53	3768677.27	2.996E-08	1.35E-08	0.00E+00	4.35E-08	2.96E-08	1.97E-08	0.00E+00	4.93E-08	5.44E-09	3.35E-09	0.00E+00	8.79E-09	3.04E-09	2.89E-09	0.00E+00	5.93E-09
4697	481627.76	3768680.78	2.949E-08	1.33E-08	0.00E+00	4.28E-08	2.92E-08	1.93E-08	0.00E+00	4.85E-08	5.36E-09	3.30E-09	0.00E+00	8.65E-09	2.99E-09	2.84E-09	0.00E+00	5.84E-09
4698	481619	3768684.3	2.902E-08	1.31E-08	0.00E+00	4.21E-08	2.87E-08	1.90E-08	0.00E+00	4.78E-08	5.27E-09	3.24E-09	0.00E+00	8.52E-09	2.94E-09	2.80E-09	0.00E+00	5.74E-09
4699	481610.23	3768687.81	2.858E-08	1.29E-08	0.00E+00	4.15E-08	2.83E-08	1.88E-08	0.00E+00	4.70E-08	5.19E-09	3.19E-09	0.00E+00	8.39E-09	2.90E-09	2.76E-09	0.00E+00	5.66E-09
4700	481601.47	3768691.33	2.815E-08	1.27E-08	0.00E+00	4.08E-08	2.79E-08	1.85E-08	0.00E+00	4.63E-08	5.11E-09	3.15E-09	0.00E+00	8.26E-09	2.85E-09	2.72E-09	0.00E+00	5.57E-09
4701	481592.7	3768694.84	2.776E-08	1.25E-08	0.00E+00	4.03E-08	2.75E-08	1.82E-08	0.00E+00	4.57E-08	5.04E-09	3.10E-09	0.00E+00	8.15E-09	2.82E-09	2.68E-09	0.00E+00	5.49E-09
4702	481583.94	3768698.36	2.74E-08	1.24E-08	0.00E+00	3.98E-08	2.71E-08	1.80E-08	0.00E+00	4.51E-08	4.98E-09	3.06E-09	0.00E+00	8.04E-09	2.78E-09	2.64E-09	0.00E+00	5.42E-09
4703	481575.18	3768701.87	2.706E-08	1.22E-08	0.00E+00	3.93E-08	2.68E-08	1.78E-08	0.00E+00	4.45E-08	4.92E-09	3.02E-09	0.00E+00	7.94E-09	2.75E-09	2.61E-09	0.00E+00	5.36E-09
4704	481566.41	3768705.39	2.674E-08	1.21E-08	0.00E+00	3.88E-08	2.65E-08	1.75E-08	0.00E+00	4.40E-08	4.86E-09	2.99E-09	0.00E+00	7.85E-09	2.71E-09	2.58E-09	0.00E+00	5.29E-09
4705	48																	

4774	481694.8	3768661.15	3.129E-08	1.41E-08	0.00E+00	4.54E-08	3.10E-08	2.05E-08	0.00E+00	5.15E-08	5.68E-09	3.50E-09	0.00E+00	9.18E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
4775	481691.02	3768670.03	2.938E-08	1.33E-08	0.00E+00	4.26E-08	2.91E-08	1.93E-08	0.00E+00	4.84E-08	5.34E-09	3.28E-09	0.00E+00	8.62E-09	2.98E-09	2.83E-09	0.00E+00	5.82E-09
4776	481687.25	3768678.92	2.764E-08	1.25E-08	0.00E+00	4.01E-08	2.73E-08	1.81E-08	0.00E+00	4.55E-08	5.02E-09	3.09E-09	0.00E+00	8.11E-09	2.80E-09	2.67E-09	0.00E+00	5.47E-09
4777	481674.52	3768691.4	2.565E-08	1.16E-08	0.00E+00	3.72E-08	2.54E-08	1.68E-08	0.00E+00	4.22E-08	4.66E-09	2.87E-09	0.00E+00	7.53E-09	2.60E-09	2.47E-09	0.00E+00	5.08E-09
4778	481665.56	3768694.99	2.528E-08	1.14E-08	0.00E+00	3.67E-08	2.50E-08	1.66E-08	0.00E+00	4.16E-08	4.59E-09	2.82E-09	0.00E+00	7.42E-09	2.56E-09	2.44E-09	0.00E+00	5.00E-09
4779	481656.6	3768698.58	2.491E-08	1.12E-08	0.00E+00	3.61E-08	2.46E-08	1.63E-08	0.00E+00	4.10E-08	4.53E-09	2.78E-09	0.00E+00	7.31E-09	2.53E-09	2.40E-09	0.00E+00	4.93E-09
4780	481647.65	3768702.18	2.455E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.20E-09	2.49E-09	2.37E-09	0.00E+00	4.86E-09
4781	481638.69	3768705.77	2.421E-08	1.09E-08	0.00E+00	3.51E-08	2.40E-08	1.59E-08	0.00E+00	3.98E-08	4.40E-09	2.71E-09	0.00E+00	7.11E-09	2.46E-09	2.34E-09	0.00E+00	4.79E-09
4782	481629.73	3768709.36	2.389E-08	1.08E-08	0.00E+00	3.47E-08	2.36E-08	1.57E-08	0.00E+00	3.93E-08	4.34E-09	2.67E-09	0.00E+00	7.01E-09	2.42E-09	2.31E-09	0.00E+00	4.73E-09
4783	481620.77	3768712.95	2.356E-08	1.06E-08	0.00E+00	3.42E-08	2.33E-08	1.55E-08	0.00E+00	3.88E-08	4.28E-09	2.63E-09	0.00E+00	6.92E-09	2.39E-09	2.27E-09	0.00E+00	4.66E-09
4784	481611.81	3768716.55	2.325E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.53E-08	0.00E+00	3.83E-08	4.22E-09	2.60E-09	0.00E+00	6.82E-09	2.36E-09	2.24E-09	0.00E+00	4.60E-09
4785	481602.85	3768720.14	2.295E-08	1.03E-08	0.00E+00	3.33E-08	2.27E-08	1.51E-08	0.00E+00	3.78E-08	4.17E-09	2.56E-09	0.00E+00	6.73E-09	2.33E-09	2.21E-09	0.00E+00	4.54E-09
4786	481593.89	3768723.73	2.268E-08	1.02E-08	0.00E+00	3.29E-08	2.24E-08	1.49E-08	0.00E+00	3.73E-08	4.12E-09	2.53E-09	0.00E+00	6.65E-09	2.30E-09	2.19E-09	0.00E+00	4.49E-09
4787	481584.93	3768727.32	2.243E-08	1.01E-08	0.00E+00	3.25E-08	2.22E-08	1.47E-08	0.00E+00	3.69E-08	4.08E-09	2.51E-09	0.00E+00	6.58E-09	2.28E-09	2.16E-09	0.00E+00	4.44E-09
4788	481575.97	3768730.92	2.22E-08	1.00E-08	0.00E+00	3.22E-08	2.20E-08	1.46E-08	0.00E+00	3.65E-08	4.03E-09	2.48E-09	0.00E+00	6.51E-09	2.25E-09	2.14E-09	0.00E+00	4.39E-09
4789	481567.01	3768734.51	2.198E-08	9.91E-09	0.00E+00	3.19E-08	2.17E-08	1.44E-08	0.00E+00	3.62E-08	3.99E-09	2.46E-09	0.00E+00	6.45E-09	2.23E-09	2.12E-09	0.00E+00	4.35E-09
4790	481751.73	3768477.97	9.657E-08	4.35E-08	0.00E+00	1.40E-07	9.56E-08	6.34E-08	0.00E+00	1.59E-07	1.75E-08	1.08E-08	0.00E+00	2.83E-08	9.80E-09	9.32E-09	0.00E+00	1.91E-08
4791	481751.8	3768467.99	1.005E-07	4.53E-08	0.00E+00	1.46E-07	9.95E-08	6.60E-08	0.00E+00	1.65E-07	1.83E-08	1.12E-08	0.00E+00	2.95E-08	1.02E-08	9.70E-09	0.00E+00	1.99E-08
4792	481751.88	3768458.01	1.041E-07	4.69E-08	0.00E+00	1.51E-07	1.03E-07	6.83E-08	0.00E+00	1.71E-07	1.89E-08	1.16E-08	0.00E+00	3.05E-08	1.06E-08	1.00E-08	0.00E+00	2.06E-08
4793	481751.95	3768448.03	1.072E-07	4.83E-08	0.00E+00	1.55E-07	1.06E-07	7.03E-08	0.00E+00	1.76E-07	1.95E-08	1.20E-08	0.00E+00	3.14E-08	1.09E-08	1.03E-08	0.00E+00	2.12E-08
4794	481752.02	3768438.05	1.097E-07	4.95E-08	0.00E+00	1.59E-07	1.09E-07	7.20E-08	0.00E+00	1.81E-07	1.99E-08	1.23E-08	0.00E+00	3.22E-08	1.11E-08	1.06E-08	0.00E+00	2.17E-08
4795	481752.1	3768428.07	1.117E-07	5.04E-08	0.00E+00	1.62E-07	1.11E-07	7.33E-08	0.00E+00	1.84E-07	2.03E-08	1.25E-08	0.00E+00	3.28E-08	1.13E-08	1.08E-08	0.00E+00	2.21E-08
4796	481752.17	3768418.1	1.131E-07	5.10E-08	0.00E+00	1.64E-07	1.12E-07	7.42E-08	0.00E+00	1.86E-07	2.06E-08	1.26E-08	0.00E+00	3.32E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
4797	481752.24	3768408.12	1.139E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.87E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.16E-08	1.10E-08	0.00E+00	2.25E-08
4798	481752.32	3768398.14	1.141E-07	5.14E-08	0.00E+00	1.65E-07	1.13E-07	7.48E-08	0.00E+00	1.88E-07	2.07E-08	1.27E-08	0.00E+00	3.35E-08	1.16E-08	1.10E-08	0.00E+00	2.26E-08
4799	481752.39	3768388.16	1.136E-07	5.12E-08	0.00E+00	1.65E-07	1.12E-07	7.45E-08	0.00E+00	1.87E-07	2.06E-08	1.27E-08	0.00E+00	3.33E-08	1.15E-08	1.10E-08	0.00E+00	2.25E-08
4800	481750.02	3768554.29	6.29E-08	2.84E-08	0.00E+00	9.13E-08	6.22E-08	4.13E-08	0.00E+00	1.04E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
4801	481746.29	3768563.07	5.997E-08	2.70E-08	0.00E+00	8.70E-08	5.93E-08	3.94E-08	0.00E+00	9.87E-08	1.09E-08	6.70E-09	0.00E+00	1.76E-08	6.08E-09	5.79E-09	0.00E+00	1.19E-08
4802	481731.38	3768598.21	4.814E-08	2.17E-08	0.00E+00	6.98E-08	4.76E-08	3.16E-08	0.00E+00	7.92E-08	8.75E-09	5.38E-09	0.00E+00	1.41E-08	4.88E-09	4.64E-09	0.00E+00	9.53E-09
4803	481727.65	3768606.99	4.533E-08	2.04E-08	0.00E+00	6.58E-08	4.49E-08	2.97E-08	0.00E+00	7.46E-08	8.24E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.37E-09	0.00E+00	8.97E-09
4804	481723.92	3768615.78	4.262E-08	1.92E-08	0.00E+00	6.18E-08	4.22E-08	2.80E-08	0.00E+00	7.01E-08	7.74E-09	4.76E-09	0.00E+00	1.25E-08	4.32E-09	4.11E-09	0.00E+00	8.44E-09
4805	481720.19	3768624.56	4.005E-08	1.81E-08	0.00E+00	5.81E-08	3.96E-08	2.63E-08	0.00E+00	6.59E-08	7.28E-09	4.48E-09	0.00E+00	1.18E-08	4.06E-09	3.86E-09	0.00E+00	7.93E-09
4806	481716.47	3768633.34	3.76E-08	1.70E-08	0.00E+00	5.46E-08	3.72E-08	2.47E-08	0.00E+00	6.19E-08	6.83E-09	4.20E-09	0.00E+00	1.10E-08	3.81E-09	3.63E-09	0.00E+00	7.44E-09
4807	481712.74	3768642.13	3.531E-08	1.59E-08	0.00E+00	5.12E-08	3.49E-08	2.32E-08	0.00E+00	5.81E-08	6.41E-09	3.95E-09	0.00E+00	1.04E-08	3.58E-09	3.41E-09	0.00E+00	6.99E-09
4808	481709.01	3768650.91	3.316E-08	1.50E-08	0.00E+00	4.81E-08	3.28E-08	2.18E-08	0.00E+00	5.46E-08	6.02E-09	3.71E-09	0.00E+00	9.73E-09	3.36E-09	3.20E-09	0.00E+00	6.56E-09
4809	481705.28	3768659.7	3.116E-08	1.41E-08	0.00E+00	4.52E-08	3.08E-08	2.04E-08	0.00E+00	5.13E-08	5.66E-09	3.48E-09	0.00E+00	9.14E-09	3.16E-09	3.01E-09	0.00E+00	6.17E-09
4810	481701.55	3768668.48	2.93E-08	1.32E-08	0.00E+00	4.25E-08	2.90E-08	1.92E-08	0.00E+00	4.82E-08	5.32E-09	3.28E-09	0.00E+00	8.60E-09	2.97E-09	2.83E-09	0.00E+00	5.80E-09
4811	481697.83	3768677.26	2.759E-08	1.24E-08	0.00E+00	4.00E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.01E-09	3.08E-09	0.00E+00	8.10E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
4812	481694.1	3768686.05	2.601E-08	1.17E-08	0.00E+00	3.77E-08	2.57E-08	1.71E-08	0.00E+00	4.28E-08	4.73E-09	2.91E-09	0.00E+00	7.63E-09	2.64E-09	2.51E-09	0.00E+00	5.15E-09
4813	481681.51	3768698.38	2.421E-08	1.09E-08	0.00E+00	3.51E-08	2.40E-08	1.59E-08	0.00E+00	3.99E-08	4.40E-09	2.71E-09	0.00E+00	7.11E-09	2.46E-09	2.34E-09	0.00E+00	4.79E-09
4814	481672.66	3768701.93	2.387E-08	1.08E-08	0.00E+00	3.46E-08	2.36E-08	1.57E-08	0.00E+00	3.93E-08	4.34E-09	2.67E-09	0.00E+00	7.01E-09	2.42E-09	2.30E-09	0.00E+00	4.72E-09
4815	481663.8	3768705.49	2.353E-08	1.06E-08	0.00E+00	3.41E-08	2.33E-08	1.54E-08	0.00E+00	3.87E-08	4.27E-09	2.63E-09	0.00E+00	6.90E-09	2.39E-09	2.27E-09	0.00E+00	4.66E-09
4816	481654.94	3768709.04	2.321E-08	1.05E-08	0.00E+00	3.37E-08	2.30E-08	1.52E-08	0.00E+00	3.82E-08	4.22E-09	2.59E-09	0.00E+00	6.81E-09	2.35E-09	2.24E-09	0.00E+00	4.59E-09
4817	481646.09	3768712.59	2.291E-08	1.03E-08	0.00E+00	3.32E-08	2.27E-08	1.50E-08	0.00E+00	3.77E-08	4.16E-09	2.56E-09	0.00E+00	6.72E-09	2.32E-09	2.21E-09	0.00E+00	4.53E-09
4818	481637.23	3768716.14	2.262E-08	1.02E-08	0.00E+00	3.28E-08	2.24E-08	1.48E-08	0.00E+00	3.72E-08	4.11E-09	2.53E-09	0.00E+00	6.64E-09	2.29E-09	2.18E-09	0.00E+00	4.48E-09
4819	481628.37	3768719.69	2.234E-08	1.01E-08	0.00E+00	3.24E-08	2.21E-08	1.47E-08	0.00E+00	3.68E-08	4.06E-09	2.50E-09	0.00E+00	6.55E-09	2.27E-09	2.15E-09	0.00E+00	4.42E-09
4820	481619.51	3768723.24	2.205E-08	9.94E-09	0.00E+00	3.20E-08	2.18E-08	1.45E-08	0.00E+00	3.63E-08	4.01E-09	2.46E-09	0.00E+00	6.47E-09	2.24E-09	2.13E-09	0.00E+00	4.36E-09
4821	481610.66	3768726.8	2.177E-08	9.82E-09	0.00E+00	3.16E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.96E-09	2.43E-09	0.00E+00	6.39E-09	2.21E-09	2.10E-09	0.00E+00	4.31E-09
4822	481601.8	3768730.35	2.151E-08	9.70E-09	0.00E+00	3.12E-08	2.13E-08	1.41E-08	0.00E+00	3.54E-08	3.91E-09	2.40E-09	0.00E+00	6.31E-09	2.18E-09	2.08E-09	0.00E+00	4.26E-09
4823																		

4892	481567.42	3768763.71	1.843E-08	8.31E-09	0.00E+00	2.67E-08	1.82E-08	1.21E-08	0.00E+00	3.03E-08	3.35E-09	2.06E-09	0.00E+00	5.41E-09	1.87E-09	1.78E-09	0.00E+00	3.65E-09
4893	481558.3	3768767.37	1.829E-08	8.25E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.01E-08	3.32E-09	2.04E-09	0.00E+00	5.37E-09	1.86E-09	1.76E-09	0.00E+00	3.62E-09
4894	481549.19	3768771.02	1.817E-08	8.19E-09	0.00E+00	2.64E-08	1.80E-08	1.19E-08	0.00E+00	2.99E-08	3.30E-09	2.03E-09	0.00E+00	5.33E-09	1.84E-09	1.75E-09	0.00E+00	3.60E-09
4895	481781.17	3768488.16	8.079E-08	3.64E-08	0.00E+00	1.17E-07	7.99E-08	5.30E-08	0.00E+00	1.33E-07	1.47E-08	9.03E-09	0.00E+00	2.37E-08	8.20E-09	7.79E-09	0.00E+00	1.60E-08
4896	481781.25	3768478.19	8.426E-08	3.80E-08	0.00E+00	1.22E-07	8.34E-08	5.53E-08	0.00E+00	1.39E-07	1.53E-08	9.42E-09	0.00E+00	2.47E-08	8.55E-09	8.13E-09	0.00E+00	1.67E-08
4897	481781.32	3768468.21	8.748E-08	3.95E-08	0.00E+00	1.27E-07	8.66E-08	5.74E-08	0.00E+00	1.44E-07	1.59E-08	9.78E-09	0.00E+00	2.57E-08	8.87E-09	8.44E-09	0.00E+00	1.73E-08
4898	481781.39	3768458.23	9.038E-08	4.08E-08	0.00E+00	1.31E-07	8.94E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.17E-09	8.72E-09	0.00E+00	1.79E-08
4899	481781.47	3768448.25	9.292E-08	4.19E-08	0.00E+00	1.35E-07	9.19E-08	6.10E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.73E-08	9.43E-09	8.96E-09	0.00E+00	1.84E-08
4900	481781.54	3768438.27	9.506E-08	4.29E-08	0.00E+00	1.38E-07	9.41E-08	6.24E-08	0.00E+00	1.56E-07	1.73E-08	1.06E-08	0.00E+00	2.79E-08	9.64E-09	9.17E-09	0.00E+00	1.88E-08
4901	481781.61	3768428.29	9.688E-08	4.37E-08	0.00E+00	1.41E-07	9.59E-08	6.36E-08	0.00E+00	1.59E-07	1.76E-08	1.08E-08	0.00E+00	2.84E-08	9.83E-09	9.35E-09	0.00E+00	1.92E-08
4902	481781.69	3768418.31	9.826E-08	4.43E-08	0.00E+00	1.43E-07	9.72E-08	6.45E-08	0.00E+00	1.62E-07	1.79E-08	1.10E-08	0.00E+00	2.88E-08	9.97E-09	9.48E-09	0.00E+00	1.94E-08
4903	481781.76	3768408.33	9.916E-08	4.47E-08	0.00E+00	1.44E-07	9.81E-08	6.51E-08	0.00E+00	1.63E-07	1.80E-08	1.11E-08	0.00E+00	2.91E-08	1.01E-08	9.57E-09	0.00E+00	1.96E-08
4904	481781.83	3768398.35	9.939E-08	4.48E-08	0.00E+00	1.44E-07	9.83E-08	6.52E-08	0.00E+00	1.64E-07	1.81E-08	1.11E-08	0.00E+00	2.92E-08	1.01E-08	9.59E-09	0.00E+00	1.97E-08
4905	481781.91	3768388.38	9.905E-08	4.47E-08	0.00E+00	1.44E-07	9.80E-08	6.50E-08	0.00E+00	1.63E-07	1.80E-08	1.11E-08	0.00E+00	2.91E-08	1.00E-08	9.56E-09	0.00E+00	1.96E-08
4906	481775.54	3768563.92	5.266E-08	2.37E-08	0.00E+00	7.64E-08	5.21E-08	3.46E-08	0.00E+00	8.67E-08	9.57E-09	5.89E-09	0.00E+00	1.55E-08	5.34E-09	5.08E-09	0.00E+00	1.04E-08
4907	481771.74	3768572.86	5.001E-08	2.26E-08	0.00E+00	7.26E-08	4.95E-08	3.28E-08	0.00E+00	8.23E-08	9.09E-09	5.59E-09	0.00E+00	1.47E-08	5.07E-09	4.82E-09	0.00E+00	9.90E-09
4908	481756.57	3768608.62	4.176E-08	1.88E-08	0.00E+00	6.06E-08	4.13E-08	2.74E-08	0.00E+00	6.87E-08	7.59E-09	4.67E-09	0.00E+00	1.23E-08	4.24E-09	4.03E-09	0.00E+00	8.27E-09
4909	481752.77	3768617.56	3.944E-08	1.78E-08	0.00E+00	5.72E-08	3.90E-08	2.59E-08	0.00E+00	6.49E-08	7.17E-09	4.41E-09	0.00E+00	1.16E-08	4.00E-09	3.80E-09	0.00E+00	7.80E-09
4910	481748.98	3768626.5	3.716E-08	1.68E-08	0.00E+00	5.39E-08	3.68E-08	2.44E-08	0.00E+00	6.12E-08	6.75E-09	4.15E-09	0.00E+00	1.09E-08	3.77E-09	3.59E-09	0.00E+00	7.36E-09
4911	481745.18	3768635.44	3.307E-08	1.49E-08	0.00E+00	4.80E-08	3.27E-08	2.17E-08	0.00E+00	5.44E-08	6.01E-09	3.70E-09	0.00E+00	9.70E-09	3.35E-09	3.19E-09	0.00E+00	6.54E-09
4912	481741.39	3768644.38	3.102E-08	1.40E-08	0.00E+00	4.50E-08	3.07E-08	2.04E-08	0.00E+00	5.10E-08	5.64E-09	3.47E-09	0.00E+00	9.10E-09	3.15E-09	2.99E-09	0.00E+00	6.14E-09
4913	481737.59	3768653.32	2.923E-08	1.32E-08	0.00E+00	4.24E-08	2.89E-08	1.92E-08	0.00E+00	4.81E-08	5.31E-09	3.27E-09	0.00E+00	8.58E-09	2.96E-09	2.82E-09	0.00E+00	5.78E-09
4914	481733.8	3768662.27	2.925E-08	1.32E-08	0.00E+00	4.24E-08	2.89E-08	1.92E-08	0.00E+00	4.81E-08	5.32E-09	3.27E-09	0.00E+00	8.58E-09	2.97E-09	2.82E-09	0.00E+00	5.79E-09
4915	481730	3768671.21	2.758E-08	1.24E-08	0.00E+00	4.00E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.01E-09	3.08E-09	0.00E+00	8.09E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
4916	481726.21	3768680.15	2.603E-08	1.17E-08	0.00E+00	3.78E-08	2.58E-08	1.71E-08	0.00E+00	4.28E-08	4.73E-09	2.91E-09	0.00E+00	7.64E-09	2.64E-09	2.51E-09	0.00E+00	5.15E-09
4917	481722.41	3768689.09	2.456E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.75E-09	0.00E+00	7.21E-09	2.49E-09	2.37E-09	0.00E+00	4.86E-09
4918	481718.62	3768698.03	2.189E-08	9.87E-09	0.00E+00	3.18E-08	2.17E-08	1.44E-08	0.00E+00	3.60E-08	3.98E-09	2.45E-09	0.00E+00	6.42E-09	2.22E-09	2.11E-09	0.00E+00	4.33E-09
4919	481714.83	3768706.97	2.071E-08	9.34E-09	0.00E+00	3.01E-08	2.05E-08	1.36E-08	0.00E+00	3.41E-08	3.76E-09	2.32E-09	0.00E+00	6.08E-09	2.10E-09	2.00E-09	0.00E+00	4.10E-09
4920	481702.02	3768719.53	2.057E-08	9.28E-09	0.00E+00	2.98E-08	2.04E-08	1.35E-08	0.00E+00	3.39E-08	3.74E-09	2.30E-09	0.00E+00	6.04E-09	2.09E-09	1.98E-09	0.00E+00	4.07E-09
4921	481693	3768723.14	2.032E-08	9.16E-09	0.00E+00	2.95E-08	2.01E-08	1.33E-08	0.00E+00	3.34E-08	3.69E-09	2.27E-09	0.00E+00	5.96E-09	2.06E-09	1.96E-09	0.00E+00	4.02E-09
4922	481683.99	3768726.75	2.006E-08	9.05E-09	0.00E+00	2.91E-08	1.98E-08	1.32E-08	0.00E+00	3.30E-08	3.64E-09	2.24E-09	0.00E+00	5.89E-09	2.03E-09	1.93E-09	0.00E+00	3.97E-09
4923	481674.97	3768730.37	1.98E-08	8.93E-09	0.00E+00	2.87E-08	1.96E-08	1.30E-08	0.00E+00	3.26E-08	3.60E-09	2.21E-09	0.00E+00	5.81E-09	2.01E-09	1.91E-09	0.00E+00	3.92E-09
4924	481665.96	3768733.98	1.955E-08	8.81E-09	0.00E+00	2.84E-08	1.93E-08	1.28E-08	0.00E+00	3.22E-08	3.55E-09	2.18E-09	0.00E+00	5.74E-09	1.98E-09	1.89E-09	0.00E+00	3.87E-09
4925	481611.87	3768755.67	1.827E-08	8.24E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.01E-08	3.32E-09	2.04E-09	0.00E+00	5.36E-09	1.85E-09	1.76E-09	0.00E+00	3.62E-09
4926	481602.85	3768759.29	1.809E-08	8.16E-09	0.00E+00	2.62E-08	1.79E-08	1.19E-08	0.00E+00	2.98E-08	3.29E-09	2.02E-09	0.00E+00	5.31E-09	1.83E-09	1.74E-09	0.00E+00	3.58E-09
4927	481593.84	3768762.9	1.791E-08	8.08E-09	0.00E+00	2.60E-08	1.77E-08	1.18E-08	0.00E+00	2.95E-08	3.25E-09	2.00E-09	0.00E+00	5.26E-09	1.82E-09	1.73E-09	0.00E+00	3.55E-09
4928	481584.82	3768766.52	1.775E-08	8.00E-09	0.00E+00	2.58E-08	1.76E-08	1.16E-08	0.00E+00	2.92E-08	3.22E-09	1.98E-09	0.00E+00	5.21E-09	1.80E-09	1.71E-09	0.00E+00	3.51E-09
4929	481575.81	3768770.13	1.759E-08	7.93E-09	0.00E+00	2.55E-08	1.74E-08	1.15E-08	0.00E+00	2.90E-08	3.20E-09	1.97E-09	0.00E+00	5.16E-09	1.78E-09	1.70E-09	0.00E+00	3.48E-09
4930	481566.79	3768773.75	1.746E-08	7.87E-09	0.00E+00	2.53E-08	1.73E-08	1.15E-08	0.00E+00	2.87E-08	3.17E-09	1.95E-09	0.00E+00	5.12E-09	1.77E-09	1.68E-09	0.00E+00	3.45E-09
4931	481557.78	3768777.36	1.734E-08	7.82E-09	0.00E+00	2.52E-08	1.72E-08	1.14E-08	0.00E+00	2.85E-08	3.15E-09	1.94E-09	0.00E+00	5.09E-09	1.76E-09	1.67E-09	0.00E+00	3.43E-09
4932	481548.76	3768780.98	1.723E-08	7.77E-09	0.00E+00	2.50E-08	1.70E-08	1.13E-08	0.00E+00	2.84E-08	3.13E-09	1.93E-09	0.00E+00	5.06E-09	1.75E-09	1.66E-09	0.00E+00	3.41E-09
4933	481791.01	3768488.24	7.747E-08	3.49E-08	0.00E+00	1.12E-07	7.67E-08	5.08E-08	0.00E+00	1.27E-07	1.41E-08	8.66E-09	0.00E+00	2.27E-08	7.86E-09	7.47E-09	0.00E+00	1.53E-08
4934	481791.08	3768478.26	8.075E-08	3.64E-08	0.00E+00	1.17E-07	7.99E-08	5.30E-08	0.00E+00	1.33E-07	1.47E-08	9.02E-09	0.00E+00	2.37E-08	8.19E-09	7.79E-09	0.00E+00	1.60E-08
4935	481791.16	3768468.28	8.378E-08	3.78E-08	0.00E+00	1.22E-07	8.29E-08	5.50E-08	0.00E+00	1.38E-07	1.52E-08	9.36E-09	0.00E+00	2.46E-08	8.50E-09	8.08E-09	0.00E+00	1.66E-08
4936	481791.23	3768458.3	8.653E-08	3.90E-08	0.00E+00	1.26E-07	8.56E-08	5.68E-08	0.00E+00	1.42E-07	1.57E-08	9.67E-09	0.00E+00	2.54E-08	8.78E-09	8.35E-09	0.00E+00	1.71E-08
4937	481791.3	3768448.32	8.895E-08	4.01E-08	0.00E+00	1.29E-07	8.80E-08	5.84E-08	0.00E+00	1.46E-07	1.62E-08	9.94E-09	0.00E+00	2.61E-08	9.02E-09	8.58E-09	0.00E+00	1.76E-08
4938	481791.38	3768438.34	9.099E-08	4.10E-08	0.00E+00	1.32E-07	9.00E-08	5.97E-08	0.00E+00	1.50E-07	1.65E-08	1.02E-08	0.00E+00	2.67E-08	9.23E-09	8.78E-09	0.00E+00	1.80E-08
4939	481791.45	3768428.36	9.269E-08	4.18E-08	0.00E+00	1.34E-07	9.17E-08	6.08E-08	0.00E+00	1.53E-07	1.68E-08	1.04E-08	0.00E+00	2.72E-08	9.40E-09	8.94E-09	0.00E+00	1.83E-08
4940	481791.52	3768418.38	9.398E-08	4.24E-08	0.00E+00	1.36E-07	9.30E-08	6.17E-08	0.00E+00	1.55E-07	1.71E-08	1.05E-08	0.00E+00	2.76E-08	9.53E-09	9.07E-09	0.00E+00	1.86E-08
4941																		

5010	481549.19	3768800.38	1.559E-08	7.03E-09	0.00E+00	2.26E-08	1.54E-08	1.02E-08	0.00E+00	2.57E-08	2.83E-09	1.74E-09	0.00E+00	4.57E-09	1.58E-09	1.50E-09	0.00E+00	3.09E-09
5011	481810.61	3768498.36	6.838E-08	3.08E-08	0.00E+00	9.92E-08	6.77E-08	4.49E-08	0.00E+00	1.13E-07	1.24E-08	7.64E-09	0.00E+00	2.01E-08	6.94E-09	6.60E-09	0.00E+00	1.35E-08
5012	481810.69	3768488.38	7.146E-08	3.22E-08	0.00E+00	1.04E-07	7.07E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.99E-09	0.00E+00	2.10E-08	7.25E-09	6.89E-09	0.00E+00	1.41E-08
5013	481810.76	3768478.4	7.439E-08	3.35E-08	0.00E+00	1.08E-07	7.36E-08	4.88E-08	0.00E+00	1.22E-07	1.35E-08	8.31E-09	0.00E+00	2.18E-08	7.55E-09	7.18E-09	0.00E+00	1.47E-08
5014	481810.83	3768468.42	7.711E-08	3.48E-08	0.00E+00	1.12E-07	7.63E-08	5.06E-08	0.00E+00	1.27E-07	1.40E-08	8.62E-09	0.00E+00	2.26E-08	7.82E-09	7.44E-09	0.00E+00	1.53E-08
5015	481810.91	3768458.45	7.958E-08	3.59E-08	0.00E+00	1.15E-07	7.87E-08	5.22E-08	0.00E+00	1.31E-07	1.45E-08	8.89E-09	0.00E+00	2.34E-08	8.07E-09	7.68E-09	0.00E+00	1.57E-08
5016	481810.98	3768448.47	8.176E-08	3.69E-08	0.00E+00	1.19E-07	8.09E-08	5.37E-08	0.00E+00	1.35E-07	1.49E-08	9.14E-09	0.00E+00	2.40E-08	8.29E-09	7.89E-09	0.00E+00	1.62E-08
5017	481811.05	3768438.49	8.363E-08	3.77E-08	0.00E+00	1.21E-07	8.28E-08	5.49E-08	0.00E+00	1.38E-07	1.52E-08	9.35E-09	0.00E+00	2.45E-08	8.48E-09	8.07E-09	0.00E+00	1.66E-08
5018	481811.13	3768428.51	8.514E-08	3.84E-08	0.00E+00	1.24E-07	8.42E-08	5.59E-08	0.00E+00	1.40E-07	1.55E-08	9.52E-09	0.00E+00	2.50E-08	8.64E-09	8.21E-09	0.00E+00	1.68E-08
5019	481811.2	3768418.53	8.628E-08	3.89E-08	0.00E+00	1.25E-07	8.54E-08	5.66E-08	0.00E+00	1.42E-07	1.57E-08	9.64E-09	0.00E+00	2.53E-08	8.75E-09	8.32E-09	0.00E+00	1.71E-08
5020	481811.27	3768408.55	8.704E-08	3.93E-08	0.00E+00	1.26E-07	8.61E-08	5.71E-08	0.00E+00	1.43E-07	1.58E-08	9.73E-09	0.00E+00	2.55E-08	8.83E-09	8.40E-09	0.00E+00	1.72E-08
5021	481811.35	3768398.57	8.741E-08	3.94E-08	0.00E+00	1.27E-07	8.65E-08	5.74E-08	0.00E+00	1.44E-07	1.59E-08	9.77E-09	0.00E+00	2.57E-08	8.87E-09	8.43E-09	0.00E+00	1.73E-08
5022	481811.42	3768388.59	8.74E-08	3.94E-08	0.00E+00	1.27E-07	8.65E-08	5.73E-08	0.00E+00	1.44E-07	1.59E-08	9.77E-09	0.00E+00	2.56E-08	8.87E-09	8.43E-09	0.00E+00	1.73E-08
5023	481800.99	3768573.72	4.564E-08	2.06E-08	0.00E+00	6.62E-08	4.52E-08	3.00E-08	0.00E+00	7.51E-08	8.29E-09	5.10E-09	0.00E+00	1.34E-08	4.63E-09	4.40E-09	0.00E+00	9.03E-09
5024	481797.14	3768582.79	4.333E-08	1.95E-08	0.00E+00	6.29E-08	4.29E-08	2.84E-08	0.00E+00	7.13E-08	7.87E-09	4.84E-09	0.00E+00	1.27E-08	4.40E-09	4.18E-09	0.00E+00	8.58E-09
5025	481781.74	3768619.07	3.459E-08	1.56E-08	0.00E+00	5.02E-08	3.42E-08	2.27E-08	0.00E+00	5.69E-08	6.29E-09	3.87E-09	0.00E+00	1.02E-08	3.51E-09	3.34E-09	0.00E+00	6.85E-09
5026	481777.89	3768628.14	3.264E-08	1.47E-08	0.00E+00	4.74E-08	3.23E-08	2.14E-08	0.00E+00	5.37E-08	5.93E-09	3.65E-09	0.00E+00	9.58E-09	3.31E-09	3.15E-09	0.00E+00	6.46E-09
5027	481774.04	3768637.21	3.078E-08	1.39E-08	0.00E+00	4.47E-08	3.05E-08	2.02E-08	0.00E+00	5.07E-08	5.59E-09	3.44E-09	0.00E+00	9.03E-09	3.12E-09	2.97E-09	0.00E+00	6.09E-09
5028	481770.19	3768646.28	2.898E-08	1.31E-08	0.00E+00	4.21E-08	2.87E-08	1.90E-08	0.00E+00	4.77E-08	5.27E-09	3.24E-09	0.00E+00	8.51E-09	2.94E-09	2.80E-09	0.00E+00	5.74E-09
5029	481766.34	3768655.36	2.733E-08	1.23E-08	0.00E+00	3.97E-08	2.70E-08	1.79E-08	0.00E+00	4.50E-08	4.97E-09	3.05E-09	0.00E+00	8.02E-09	2.77E-09	2.64E-09	0.00E+00	5.41E-09
5030	481762.49	3768664.43	2.579E-08	1.16E-08	0.00E+00	3.74E-08	2.55E-08	1.69E-08	0.00E+00	4.24E-08	4.69E-09	2.88E-09	0.00E+00	7.57E-09	2.62E-09	2.49E-09	0.00E+00	5.10E-09
5031	481758.64	3768673.5	2.436E-08	1.10E-08	0.00E+00	3.53E-08	2.41E-08	1.60E-08	0.00E+00	4.01E-08	4.43E-09	2.72E-09	0.00E+00	7.15E-09	2.47E-09	2.35E-09	0.00E+00	4.82E-09
5032	481754.79	3768682.57	2.303E-08	1.04E-08	0.00E+00	3.34E-08	2.28E-08	1.51E-08	0.00E+00	3.79E-08	4.19E-09	2.57E-09	0.00E+00	6.76E-09	2.34E-09	2.22E-09	0.00E+00	4.56E-09
5033	481750.94	3768691.64	2.181E-08	9.83E-09	0.00E+00	3.16E-08	2.16E-08	1.43E-08	0.00E+00	3.59E-08	3.96E-09	2.44E-09	0.00E+00	6.40E-09	2.21E-09	2.10E-09	0.00E+00	4.32E-09
5034	481747.09	3768700.71	2.068E-08	9.33E-09	0.00E+00	3.00E-08	2.05E-08	1.36E-08	0.00E+00	3.40E-08	3.76E-09	2.31E-09	0.00E+00	6.07E-09	2.10E-09	2.00E-09	0.00E+00	4.09E-09
5035	481743.24	3768709.78	1.963E-08	8.85E-09	0.00E+00	2.85E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.57E-09	2.19E-09	0.00E+00	5.76E-09	1.99E-09	1.89E-09	0.00E+00	3.89E-09
5036	481739.39	3768718.85	1.867E-08	8.42E-09	0.00E+00	2.71E-08	1.85E-08	1.23E-08	0.00E+00	3.07E-08	3.39E-09	2.09E-09	0.00E+00	5.48E-09	1.89E-09	1.80E-09	0.00E+00	3.70E-09
5037	481735.54	3768727.92	1.778E-08	8.02E-09	0.00E+00	2.58E-08	1.76E-08	1.17E-08	0.00E+00	2.93E-08	3.23E-09	1.99E-09	0.00E+00	5.22E-09	1.80E-09	1.72E-09	0.00E+00	3.52E-09
5038	481685.96	3768755.33	1.693E-08	7.64E-09	0.00E+00	2.46E-08	1.68E-08	1.11E-08	0.00E+00	2.79E-08	3.08E-09	1.89E-09	0.00E+00	4.97E-09	1.72E-09	1.63E-09	0.00E+00	3.35E-09
5039	481676.82	3768758.99	1.674E-08	7.55E-09	0.00E+00	2.43E-08	1.66E-08	1.10E-08	0.00E+00	2.75E-08	3.04E-09	1.87E-09	0.00E+00	4.91E-09	1.70E-09	1.61E-09	0.00E+00	3.31E-09
5040	481667.67	3768762.66	1.655E-08	7.46E-09	0.00E+00	2.40E-08	1.64E-08	1.09E-08	0.00E+00	2.72E-08	3.01E-09	1.85E-09	0.00E+00	4.86E-09	1.68E-09	1.60E-09	0.00E+00	3.28E-09
5041	481658.53	3768766.33	1.637E-08	7.38E-09	0.00E+00	2.38E-08	1.62E-08	1.07E-08	0.00E+00	2.69E-08	2.97E-09	1.83E-09	0.00E+00	4.80E-09	1.66E-09	1.58E-09	0.00E+00	3.24E-09
5042	481649.38	3768770	1.621E-08	7.31E-09	0.00E+00	2.35E-08	1.60E-08	1.06E-08	0.00E+00	2.67E-08	2.95E-09	1.81E-09	0.00E+00	4.76E-09	1.64E-09	1.56E-09	0.00E+00	3.21E-09
5043	481640.24	3768773.66	1.606E-08	7.24E-09	0.00E+00	2.33E-08	1.59E-08	1.05E-08	0.00E+00	2.64E-08	2.92E-09	1.79E-09	0.00E+00	4.71E-09	1.63E-09	1.55E-09	0.00E+00	3.18E-09
5044	481631.09	3768777.33	1.591E-08	7.17E-09	0.00E+00	2.31E-08	1.57E-08	1.04E-08	0.00E+00	2.62E-08	2.89E-09	1.78E-09	0.00E+00	4.67E-09	1.61E-09	1.53E-09	0.00E+00	3.15E-09
5045	481621.94	3768781	1.576E-08	7.11E-09	0.00E+00	2.29E-08	1.56E-08	1.03E-08	0.00E+00	2.59E-08	2.86E-09	1.76E-09	0.00E+00	4.62E-09	1.60E-09	1.52E-09	0.00E+00	3.12E-09
5046	481612.8	3768784.66	1.562E-08	7.04E-09	0.00E+00	2.27E-08	1.55E-08	1.02E-08	0.00E+00	2.57E-08	2.84E-09	1.75E-09	0.00E+00	4.58E-09	1.58E-09	1.51E-09	0.00E+00	3.09E-09
5047	481603.65	3768788.33	1.548E-08	6.98E-09	0.00E+00	2.25E-08	1.53E-08	1.02E-08	0.00E+00	2.55E-08	2.81E-09	1.73E-09	0.00E+00	4.54E-09	1.57E-09	1.49E-09	0.00E+00	3.06E-09
5048	481594.51	3768792	1.535E-08	6.92E-09	0.00E+00	2.23E-08	1.52E-08	1.01E-08	0.00E+00	2.53E-08	2.79E-09	1.72E-09	0.00E+00	4.51E-09	1.56E-09	1.48E-09	0.00E+00	3.04E-09
5049	481585.36	3768795.67	1.523E-08	6.87E-09	0.00E+00	2.21E-08	1.51E-08	1.00E-08	0.00E+00	2.51E-08	2.77E-09	1.70E-09	0.00E+00	4.47E-09	1.55E-09	1.47E-09	0.00E+00	3.01E-09
5050	481576.22	3768799.33	1.512E-08	6.82E-09	0.00E+00	2.19E-08	1.50E-08	9.92E-09	0.00E+00	2.49E-08	2.75E-09	1.69E-09	0.00E+00	4.44E-09	1.53E-09	1.46E-09	0.00E+00	2.99E-09
5051	481567.07	3768803	1.502E-08	6.77E-09	0.00E+00	2.18E-08	1.49E-08	9.86E-09	0.00E+00	2.47E-08	2.73E-09	1.68E-09	0.00E+00	4.41E-09	1.52E-09	1.45E-09	0.00E+00	2.97E-09
5052	481557.92	3768806.67	1.494E-08	6.74E-09	0.00E+00	2.17E-08	1.48E-08	9.80E-09	0.00E+00	2.46E-08	2.71E-09	1.67E-09	0.00E+00	4.38E-09	1.51E-09	1.44E-09	0.00E+00	2.96E-09
5053	481548.78	3768810.34	1.486E-08	6.70E-09	0.00E+00	2.16E-08	1.47E-08	9.75E-09	0.00E+00	2.45E-08	2.70E-09	1.66E-09	0.00E+00	4.36E-09	1.51E-09	1.43E-09	0.00E+00	2.94E-09
5054	481820.31	3768518.39	5.985E-08	2.70E-08	0.00E+00	8.68E-08	5.92E-08	3.93E-08	0.00E+00	9.85E-08	1.09E-08	6.69E-09	0.00E+00	1.76E-08	6.07E-09	5.77E-09	0.00E+00	1.18E-08
5055	481820.38	3768508.41	6.288E-08	2.84E-08	0.00E+00	9.12E-08	6.22E-08	4.13E-08	0.00E+00	1.03E-07	1.14E-08	7.03E-09	0.00E+00	1.85E-08	6.38E-09	6.07E-09	0.00E+00	1.24E-08
5056	481820.45	3768498.43	6.586E-08	2.97E-08	0.00E+00	9.56E-08	6.52E-08	4.32E-08	0.00E+00	1.08E-07	1.20E-08	7.36E-09	0.00E+00	1.93E-08	6.68E-09	6.35E-09	0.00E+00	1.30E-08
5057	481820.53	3768488.45	6.876E-08	3.10E-08	0.00E+00	9.98E-08	6.80E-08	4.51E-08	0.00E+00	1.13E-07	1.25E-08	7.69E-09	0.00E+00	2.02E-08	6.97E-09	6.63E-09	0.00E+00	1.36E-08
5058	481820.6	3768478.48	7.151E-08	3.23E-08	0.00E+00	1.04E-07	7.08E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.99E-09	0.00E+00	2.10E-08	7.25E-09	6.90E-09	0.00E+00	1.42E-08
5059	48																	

5128	481813.69	3768637.94	2.854E-08	1.29E-08	0.00E+00	4.14E-08	2.82E-08	1.87E-08	0.00E+00	4.70E-08	5.19E-09	3.19E-09	0.00E+00	8.37E-09	2.89E-09	2.75E-09	0.00E+00	5.65E-09
5129	481809.82	3768647.05	2.7E-08	1.22E-08	0.00E+00	3.92E-08	2.67E-08	1.77E-08	0.00E+00	4.44E-08	4.91E-09	3.02E-09	0.00E+00	7.92E-09	2.74E-09	2.61E-09	0.00E+00	5.34E-09
5130	481805.96	3768656.16	2.545E-08	1.15E-08	0.00E+00	3.69E-08	2.52E-08	1.67E-08	0.00E+00	4.19E-08	4.62E-09	2.84E-09	0.00E+00	7.47E-09	2.58E-09	2.45E-09	0.00E+00	5.04E-09
5131	481802.09	3768665.26	2.402E-08	1.08E-08	0.00E+00	3.49E-08	2.38E-08	1.58E-08	0.00E+00	3.95E-08	4.36E-09	2.68E-09	0.00E+00	7.05E-09	2.44E-09	2.32E-09	0.00E+00	4.75E-09
5132	481798.23	3768674.37	2.272E-08	1.02E-08	0.00E+00	3.30E-08	2.25E-08	1.49E-08	0.00E+00	3.74E-08	4.13E-09	2.54E-09	0.00E+00	6.67E-09	2.30E-09	2.19E-09	0.00E+00	4.50E-09
5133	481794.36	3768683.48	2.157E-08	9.73E-09	0.00E+00	3.13E-08	2.13E-08	1.42E-08	0.00E+00	3.55E-08	3.92E-09	2.41E-09	0.00E+00	6.33E-09	2.19E-09	2.08E-09	0.00E+00	4.27E-09
5134	481790.5	3768692.59	2.052E-08	9.25E-09	0.00E+00	2.98E-08	2.03E-08	1.35E-08	0.00E+00	3.38E-08	3.73E-09	2.29E-09	0.00E+00	6.02E-09	2.08E-09	1.98E-09	0.00E+00	4.06E-09
5135	481786.63	3768701.69	1.953E-08	8.81E-09	0.00E+00	2.83E-08	1.93E-08	1.28E-08	0.00E+00	3.21E-08	3.55E-09	2.18E-09	0.00E+00	5.73E-09	1.98E-09	1.88E-09	0.00E+00	3.87E-09
5136	481782.77	3768710.8	1.858E-08	8.38E-09	0.00E+00	2.70E-08	1.84E-08	1.22E-08	0.00E+00	3.06E-08	3.38E-09	2.08E-09	0.00E+00	5.45E-09	1.88E-09	1.79E-09	0.00E+00	3.68E-09
5137	481778.9	3768719.91	1.764E-08	7.95E-09	0.00E+00	2.56E-08	1.75E-08	1.16E-08	0.00E+00	2.90E-08	3.20E-09	1.97E-09	0.00E+00	5.18E-09	1.79E-09	1.70E-09	0.00E+00	3.49E-09
5138	481775.04	3768729.01	1.678E-08	7.57E-09	0.00E+00	2.43E-08	1.66E-08	1.10E-08	0.00E+00	2.76E-08	3.05E-09	1.88E-09	0.00E+00	4.92E-09	1.70E-09	1.62E-09	0.00E+00	3.32E-09
5139	481763.44	3768756.33	1.472E-08	6.64E-09	0.00E+00	2.14E-08	1.46E-08	9.66E-09	0.00E+00	2.42E-08	2.67E-09	1.64E-09	0.00E+00	4.32E-09	1.49E-09	1.42E-09	0.00E+00	2.91E-09
5140	481750.4	3768769.12	1.406E-08	6.34E-09	0.00E+00	2.04E-08	1.39E-08	9.22E-09	0.00E+00	2.31E-08	2.55E-09	1.57E-09	0.00E+00	4.12E-09	1.43E-09	1.36E-09	0.00E+00	2.78E-09
5141	481741.21	3768772.8	1.393E-08	6.28E-09	0.00E+00	2.02E-08	1.38E-08	9.14E-09	0.00E+00	2.29E-08	2.53E-09	1.56E-09	0.00E+00	4.09E-09	1.41E-09	1.34E-09	0.00E+00	2.76E-09
5142	481732.03	3768776.49	1.381E-08	6.23E-09	0.00E+00	2.00E-08	1.37E-08	9.06E-09	0.00E+00	2.27E-08	2.51E-09	1.54E-09	0.00E+00	4.05E-09	1.40E-09	1.33E-09	0.00E+00	2.73E-09
5143	481722.85	3768780.17	1.369E-08	6.17E-09	0.00E+00	1.99E-08	1.35E-08	8.98E-09	0.00E+00	2.25E-08	2.49E-09	1.53E-09	0.00E+00	4.02E-09	1.39E-09	1.32E-09	0.00E+00	2.71E-09
5144	481713.67	3768783.85	1.361E-08	6.14E-09	0.00E+00	1.97E-08	1.35E-08	8.93E-09	0.00E+00	2.24E-08	2.47E-09	1.52E-09	0.00E+00	3.99E-09	1.38E-09	1.31E-09	0.00E+00	2.69E-09
5145	481704.48	3768787.53	1.354E-08	6.10E-09	0.00E+00	1.96E-08	1.34E-08	8.88E-09	0.00E+00	2.23E-08	2.46E-09	1.51E-09	0.00E+00	3.97E-09	1.37E-09	1.31E-09	0.00E+00	2.68E-09
5146	481695.3	3768791.21	1.392E-08	6.28E-09	0.00E+00	2.02E-08	1.38E-08	9.13E-09	0.00E+00	2.29E-08	2.53E-09	1.56E-09	0.00E+00	4.08E-09	1.41E-09	1.34E-09	0.00E+00	2.75E-09
5147	481686.12	3768794.9	1.379E-08	6.22E-09	0.00E+00	2.00E-08	1.36E-08	9.05E-09	0.00E+00	2.27E-08	2.51E-09	1.54E-09	0.00E+00	4.05E-09	1.40E-09	1.33E-09	0.00E+00	2.73E-09
5148	481676.94	3768798.58	1.366E-08	6.16E-09	0.00E+00	1.98E-08	1.35E-08	8.96E-09	0.00E+00	2.25E-08	2.48E-09	1.53E-09	0.00E+00	4.01E-09	1.39E-09	1.32E-09	0.00E+00	2.70E-09
5149	481667.76	3768802.26	1.353E-08	6.10E-09	0.00E+00	1.96E-08	1.34E-08	8.88E-09	0.00E+00	2.23E-08	2.46E-09	1.51E-09	0.00E+00	3.97E-09	1.37E-09	1.31E-09	0.00E+00	2.68E-09
5150	481658.57	3768805.94	1.341E-08	6.05E-09	0.00E+00	1.95E-08	1.33E-08	8.80E-09	0.00E+00	2.21E-08	2.44E-09	1.50E-09	0.00E+00	3.94E-09	1.36E-09	1.29E-09	0.00E+00	2.65E-09
5151	481649.39	3768809.62	1.33E-08	6.00E-09	0.00E+00	1.93E-08	1.32E-08	8.73E-09	0.00E+00	2.19E-08	2.42E-09	1.49E-09	0.00E+00	3.90E-09	1.35E-09	1.28E-09	0.00E+00	2.63E-09
5152	481640.21	3768813.31	1.319E-08	5.95E-09	0.00E+00	1.91E-08	1.31E-08	8.66E-09	0.00E+00	2.17E-08	2.40E-09	1.47E-09	0.00E+00	3.87E-09	1.34E-09	1.27E-09	0.00E+00	2.61E-09
5153	481631.03	3768816.99	1.309E-08	5.90E-09	0.00E+00	1.90E-08	1.30E-08	8.59E-09	0.00E+00	2.15E-08	2.38E-09	1.46E-09	0.00E+00	3.84E-09	1.33E-09	1.26E-09	0.00E+00	2.59E-09
5154	481621.84	3768820.67	1.299E-08	5.86E-09	0.00E+00	1.89E-08	1.29E-08	8.53E-09	0.00E+00	2.14E-08	2.36E-09	1.45E-09	0.00E+00	3.81E-09	1.32E-09	1.25E-09	0.00E+00	2.57E-09
5155	481612.66	3768824.35	1.29E-08	5.82E-09	0.00E+00	1.87E-08	1.28E-08	8.47E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.79E-09	1.31E-09	1.24E-09	0.00E+00	2.55E-09
5156	481603.48	3768828.03	1.282E-08	5.78E-09	0.00E+00	1.86E-08	1.27E-08	8.41E-09	0.00E+00	2.11E-08	2.33E-09	1.43E-09	0.00E+00	3.76E-09	1.30E-09	1.24E-09	0.00E+00	2.54E-09
5157	481594.3	3768831.72	1.274E-08	5.74E-09	0.00E+00	1.85E-08	1.26E-08	8.36E-09	0.00E+00	2.10E-08	2.31E-09	1.42E-09	0.00E+00	3.74E-09	1.29E-09	1.23E-09	0.00E+00	2.52E-09
5158	481585.11	3768835.4	1.266E-08	5.71E-09	0.00E+00	1.84E-08	1.25E-08	8.31E-09	0.00E+00	2.08E-08	2.30E-09	1.41E-09	0.00E+00	3.71E-09	1.28E-09	1.22E-09	0.00E+00	2.51E-09
5159	481575.93	3768839.08	1.258E-08	5.68E-09	0.00E+00	1.83E-08	1.25E-08	8.26E-09	0.00E+00	2.07E-08	2.29E-09	1.41E-09	0.00E+00	3.69E-09	1.28E-09	1.21E-09	0.00E+00	2.49E-09
5160	481566.75	3768842.76	1.252E-08	5.65E-09	0.00E+00	1.82E-08	1.24E-08	8.21E-09	0.00E+00	2.06E-08	2.27E-09	1.40E-09	0.00E+00	3.67E-09	1.27E-09	1.21E-09	0.00E+00	2.48E-09
5161	481557.57	3768846.45	1.246E-08	5.62E-09	0.00E+00	1.81E-08	1.23E-08	8.18E-09	0.00E+00	2.05E-08	2.26E-09	1.39E-09	0.00E+00	3.66E-09	1.26E-09	1.20E-09	0.00E+00	2.47E-09
5162	481548.39	3768850.13	1.241E-08	5.60E-09	0.00E+00	1.80E-08	1.23E-08	8.14E-09	0.00E+00	2.04E-08	2.26E-09	1.39E-09	0.00E+00	3.64E-09	1.26E-09	1.20E-09	0.00E+00	2.46E-09
5163	481860.07	3768528.66	4.961E-08	2.24E-08	0.00E+00	7.20E-08	4.91E-08	3.26E-08	0.00E+00	8.16E-08	9.01E-09	5.54E-09	0.00E+00	1.46E-08	5.03E-09	4.79E-09	0.00E+00	9.82E-09
5164	481860.14	3768518.68	5.211E-08	2.35E-08	0.00E+00	7.56E-08	5.16E-08	3.42E-08	0.00E+00	8.58E-08	9.47E-09	5.82E-09	0.00E+00	1.53E-08	5.29E-09	5.03E-09	0.00E+00	1.03E-08
5165	481860.22	3768508.7	5.459E-08	2.46E-08	0.00E+00	7.92E-08	5.40E-08	3.58E-08	0.00E+00	8.98E-08	9.92E-09	6.10E-09	0.00E+00	1.60E-08	5.54E-09	5.27E-09	0.00E+00	1.08E-08
5166	481860.29	3768498.73	5.701E-08	2.57E-08	0.00E+00	8.27E-08	5.64E-08	3.74E-08	0.00E+00	9.38E-08	1.04E-08	6.37E-09	0.00E+00	1.67E-08	5.78E-09	5.50E-09	0.00E+00	1.13E-08
5167	481860.36	3768488.75	5.933E-08	2.68E-08	0.00E+00	8.61E-08	5.87E-08	3.89E-08	0.00E+00	9.76E-08	1.08E-08	6.63E-09	0.00E+00	1.74E-08	6.02E-09	5.72E-09	0.00E+00	1.17E-08
5168	481860.44	3768478.77	6.154E-08	2.78E-08	0.00E+00	8.93E-08	6.09E-08	4.04E-08	0.00E+00	1.01E-07	1.12E-08	6.88E-09	0.00E+00	1.81E-08	6.24E-09	5.94E-09	0.00E+00	1.22E-08
5169	481860.51	3768468.79	6.36E-08	2.87E-08	0.00E+00	9.23E-08	6.29E-08	4.17E-08	0.00E+00	1.05E-07	1.16E-08	7.11E-09	0.00E+00	1.87E-08	6.45E-09	6.14E-09	0.00E+00	1.26E-08
5170	481860.58	3768458.81	6.55E-08	2.95E-08	0.00E+00	9.50E-08	6.48E-08	4.30E-08	0.00E+00	1.08E-07	1.19E-08	7.32E-09	0.00E+00	1.92E-08	6.64E-09	6.32E-09	0.00E+00	1.30E-08
5171	481860.66	3768448.83	6.719E-08	3.03E-08	0.00E+00	9.75E-08	6.65E-08	4.41E-08	0.00E+00	1.11E-07	1.22E-08	7.51E-09	0.00E+00	1.97E-08	6.82E-09	6.48E-09	0.00E+00	1.33E-08
5172	481860.73	3768438.85	6.868E-08	3.10E-08	0.00E+00	9.96E-08	6.80E-08	4.51E-08	0.00E+00	1.13E-07	1.25E-08	7.68E-09	0.00E+00	2.02E-08	6.97E-09	6.63E-09	0.00E+00	1.36E-08
5173	481886.29	3768537.78	4.381E-08	1.98E-08	0.00E+00	6.36E-08	4.33E-08	2.87E-08	0.00E+00	7.21E-08	7.96E-09	4.90E-09	0.00E+00	1.29E-08	4.44E-09	4.23E-09	0.00E+00	8.67E-09
5174	481882.52	3768546.67	4.234E-08	1.91E-08	0.00E+00	6.14E-08	4.19E-08	2.78E-08	0.00E+00	6.97E-08	7.69E-09	4.73E-09	0.00E+00	1.24E-08	4.29E-09	4.08E-09	0.00E+00	8.38E-09
5175	481878.74	3768555.57	4.085E-08	1.84E-08	0.00E+00	5.93E-08	4.04E-08	2.68E-08	0.00E+00	6.72E-08	7.42E-09	4.57E-09	0.00E+00	1.20E-08	4.14E-09	3.94E-09	0.00E+00	8.08E-09
5176	481874.97	3768564.47	3.932E-08	1.77E-08	0.00E+00	5.71E-08	3.89E-08	2.58E-08	0.00E+00	6.47E-08	7.14E-09	4.39E-09	0.00E+00	1.15E-08	3.99E-09	3.79E-09	0.00E+00	7.78E-09
5177																		

5246	481847.45	3768700.22	1.813E-08	8.17E-09	0.00E+00	2.63E-08	1.79E-08	1.19E-08	0.00E+00	2.98E-08	3.29E-09	2.03E-09	0.00E+00	5.32E-09	1.84E-09	1.75E-09	0.00E+00	3.59E-09
5247	481843.62	3768709.22	1.728E-08	7.79E-09	0.00E+00	2.51E-08	1.71E-08	1.13E-08	0.00E+00	2.84E-08	3.14E-09	1.93E-09	0.00E+00	5.07E-09	1.75E-09	1.67E-09	0.00E+00	3.42E-09
5248	481839.8	3768718.23	1.651E-08	7.45E-09	0.00E+00	2.40E-08	1.63E-08	1.08E-08	0.00E+00	2.72E-08	3.00E-09	1.85E-09	0.00E+00	4.85E-09	1.67E-09	1.59E-09	0.00E+00	3.27E-09
5249	481835.98	3768727.23	1.579E-08	7.12E-09	0.00E+00	2.29E-08	1.56E-08	1.04E-08	0.00E+00	2.60E-08	2.87E-09	1.76E-09	0.00E+00	4.63E-09	1.60E-09	1.52E-09	0.00E+00	3.12E-09
5250	481824.51	3768754.25	1.384E-08	6.24E-09	0.00E+00	2.01E-08	1.37E-08	9.08E-09	0.00E+00	2.28E-08	2.51E-09	1.55E-09	0.00E+00	4.06E-09	1.40E-09	1.34E-09	0.00E+00	2.74E-09
5251	481820.69	3768763.26	1.329E-08	5.99E-09	0.00E+00	1.93E-08	1.32E-08	8.72E-09	0.00E+00	2.19E-08	2.41E-09	1.49E-09	0.00E+00	3.90E-09	1.35E-09	1.28E-09	0.00E+00	2.63E-09
5252	481816.87	3768772.26	1.277E-08	5.76E-09	0.00E+00	1.85E-08	1.26E-08	8.38E-09	0.00E+00	2.10E-08	2.32E-09	1.43E-09	0.00E+00	3.75E-09	1.30E-09	1.23E-09	0.00E+00	2.53E-09
5253	481813.05	3768781.27	1.227E-08	5.53E-09	0.00E+00	1.78E-08	1.21E-08	8.05E-09	0.00E+00	2.02E-08	2.23E-09	1.37E-09	0.00E+00	3.60E-09	1.24E-09	1.18E-09	0.00E+00	2.43E-09
5254	481809.22	3768790.28	1.18E-08	5.32E-09	0.00E+00	1.71E-08	1.17E-08	7.74E-09	0.00E+00	1.94E-08	2.14E-09	1.32E-09	0.00E+00	3.46E-09	1.20E-09	1.14E-09	0.00E+00	2.34E-09
5255	481805.4	3768799.28	1.138E-08	5.13E-09	0.00E+00	1.65E-08	1.13E-08	7.47E-09	0.00E+00	1.87E-08	2.07E-09	1.27E-09	0.00E+00	3.34E-09	1.15E-09	1.10E-09	0.00E+00	2.25E-09
5256	481792.5	3768811.93	1.096E-08	4.94E-09	0.00E+00	1.59E-08	1.08E-08	7.19E-09	0.00E+00	1.80E-08	1.99E-09	1.22E-09	0.00E+00	3.22E-09	1.11E-09	1.06E-09	0.00E+00	2.17E-09
5257	481783.42	3768815.57	1.091E-08	4.92E-09	0.00E+00	1.58E-08	1.08E-08	7.16E-09	0.00E+00	1.80E-08	1.98E-09	1.22E-09	0.00E+00	3.20E-09	1.11E-09	1.05E-09	0.00E+00	2.16E-09
5258	481920.07	3768529.1	4.153E-08	1.87E-08	0.00E+00	6.03E-08	4.11E-08	2.73E-08	0.00E+00	6.83E-08	7.55E-09	4.64E-09	0.00E+00	1.22E-08	4.21E-09	4.01E-09	0.00E+00	8.22E-09
5259	481920.14	3768519.12	4.336E-08	1.96E-08	0.00E+00	6.29E-08	4.29E-08	2.85E-08	0.00E+00	7.14E-08	7.88E-09	4.85E-09	0.00E+00	1.27E-08	4.40E-09	4.18E-09	0.00E+00	8.58E-09
5260	481920.22	3768509.15	4.516E-08	2.04E-08	0.00E+00	6.55E-08	4.47E-08	2.96E-08	0.00E+00	7.43E-08	8.21E-09	5.05E-09	0.00E+00	1.33E-08	4.58E-09	4.36E-09	0.00E+00	8.94E-09
5261	481920.29	3768499.17	4.693E-08	2.12E-08	0.00E+00	6.81E-08	4.64E-08	3.08E-08	0.00E+00	7.72E-08	8.53E-09	5.24E-09	0.00E+00	1.38E-08	4.76E-09	4.53E-09	0.00E+00	9.29E-09
5262	481920.36	3768489.19	4.865E-08	2.19E-08	0.00E+00	7.06E-08	4.81E-08	3.19E-08	0.00E+00	8.01E-08	8.84E-09	5.44E-09	0.00E+00	1.43E-08	4.93E-09	4.69E-09	0.00E+00	9.63E-09
5263	481920.44	3768479.21	5.029E-08	2.27E-08	0.00E+00	7.30E-08	4.98E-08	3.30E-08	0.00E+00	8.28E-08	9.14E-09	5.62E-09	0.00E+00	1.48E-08	5.10E-09	4.85E-09	0.00E+00	9.95E-09
5264	481920.51	3768469.23	5.183E-08	2.34E-08	0.00E+00	7.52E-08	5.13E-08	3.40E-08	0.00E+00	8.53E-08	9.42E-09	5.79E-09	0.00E+00	1.52E-08	5.26E-09	5.00E-09	0.00E+00	1.03E-08
5265	481920.58	3768459.25	5.325E-08	2.40E-08	0.00E+00	7.73E-08	5.27E-08	3.49E-08	0.00E+00	8.76E-08	9.68E-09	5.95E-09	0.00E+00	1.56E-08	5.40E-09	5.14E-09	0.00E+00	1.05E-08
5266	481920.66	3768449.27	5.454E-08	2.46E-08	0.00E+00	7.91E-08	5.40E-08	3.58E-08	0.00E+00	8.98E-08	9.91E-09	6.10E-09	0.00E+00	1.60E-08	5.53E-09	5.26E-09	0.00E+00	1.08E-08
5267	481920.73	3768439.29	5.568E-08	2.51E-08	0.00E+00	8.08E-08	5.51E-08	3.65E-08	0.00E+00	9.16E-08	1.01E-08	6.22E-09	0.00E+00	1.63E-08	5.65E-09	5.37E-09	0.00E+00	1.10E-08
5268	481920.8	3768429.31	5.666E-08	2.56E-08	0.00E+00	8.22E-08	5.61E-08	3.72E-08	0.00E+00	9.32E-08	1.03E-08	6.33E-09	0.00E+00	1.66E-08	5.75E-09	5.47E-09	0.00E+00	1.12E-08
5269	481920.88	3768419.34	5.746E-08	2.59E-08	0.00E+00	8.34E-08	5.69E-08	3.77E-08	0.00E+00	9.46E-08	1.04E-08	6.42E-09	0.00E+00	1.69E-08	5.83E-09	5.54E-09	0.00E+00	1.14E-08
5270	481920.95	3768409.36	5.808E-08	2.62E-08	0.00E+00	8.43E-08	5.75E-08	3.81E-08	0.00E+00	9.56E-08	1.06E-08	6.49E-09	0.00E+00	1.70E-08	5.89E-09	5.60E-09	0.00E+00	1.15E-08
5271	481921.02	3768399.38	5.851E-08	2.64E-08	0.00E+00	8.49E-08	5.79E-08	3.84E-08	0.00E+00	9.63E-08	1.06E-08	6.54E-09	0.00E+00	1.72E-08	5.93E-09	5.64E-09	0.00E+00	1.16E-08
5272	481921.1	3768389.4	5.875E-08	2.65E-08	0.00E+00	8.52E-08	5.81E-08	3.86E-08	0.00E+00	9.67E-08	1.07E-08	6.57E-09	0.00E+00	1.72E-08	5.96E-09	5.67E-09	0.00E+00	1.16E-08
5273	481921.17	3768379.42	5.88E-08	2.65E-08	0.00E+00	8.53E-08	5.82E-08	3.86E-08	0.00E+00	9.68E-08	1.07E-08	6.57E-09	0.00E+00	1.73E-08	5.96E-09	5.67E-09	0.00E+00	1.16E-08
5274	481921.24	3768369.44	5.869E-08	2.65E-08	0.00E+00	8.52E-08	5.81E-08	3.85E-08	0.00E+00	9.66E-08	1.07E-08	6.56E-09	0.00E+00	1.72E-08	5.95E-09	5.66E-09	0.00E+00	1.16E-08
5275	481921.32	3768359.46	5.841E-08	2.63E-08	0.00E+00	8.47E-08	5.78E-08	3.83E-08	0.00E+00	9.61E-08	1.06E-08	6.53E-09	0.00E+00	1.71E-08	5.92E-09	5.63E-09	0.00E+00	1.16E-08
5276	481921.39	3768349.48	5.794E-08	2.61E-08	0.00E+00	8.41E-08	5.73E-08	3.80E-08	0.00E+00	9.54E-08	1.05E-08	6.48E-09	0.00E+00	1.70E-08	5.88E-09	5.59E-09	0.00E+00	1.15E-08
5277	481946.21	3768538.43	3.708E-08	1.67E-08	0.00E+00	5.38E-08	3.67E-08	2.43E-08	0.00E+00	6.10E-08	6.74E-09	4.14E-09	0.00E+00	1.09E-08	3.76E-09	3.58E-09	0.00E+00	7.34E-09
5278	481930.75	3768574.84	3.245E-08	1.46E-08	0.00E+00	4.71E-08	3.21E-08	2.13E-08	0.00E+00	5.34E-08	5.90E-09	3.63E-09	0.00E+00	9.52E-09	3.29E-09	3.13E-09	0.00E+00	6.42E-09
5279	481926.89	3768583.94	3.128E-08	1.41E-08	0.00E+00	4.54E-08	3.10E-08	2.05E-08	0.00E+00	5.15E-08	5.68E-09	3.50E-09	0.00E+00	9.18E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
5280	481923.03	3768593.04	3.005E-08	1.36E-08	0.00E+00	4.36E-08	2.97E-08	1.97E-08	0.00E+00	4.95E-08	5.46E-09	3.36E-09	0.00E+00	8.82E-09	3.05E-09	2.90E-09	0.00E+00	5.95E-09
5281	481919.16	3768602.15	2.881E-08	1.30E-08	0.00E+00	4.18E-08	2.85E-08	1.89E-08	0.00E+00	4.74E-08	5.24E-09	3.22E-09	0.00E+00	8.46E-09	2.92E-09	2.78E-09	0.00E+00	5.70E-09
5282	481915.3	3768611.25	2.759E-08	1.24E-08	0.00E+00	4.00E-08	2.73E-08	1.81E-08	0.00E+00	4.54E-08	5.01E-09	3.08E-09	0.00E+00	8.10E-09	2.80E-09	2.66E-09	0.00E+00	5.46E-09
5283	481895.98	3768656.76	2.222E-08	1.00E-08	0.00E+00	3.22E-08	2.20E-08	1.46E-08	0.00E+00	3.66E-08	4.04E-09	2.48E-09	0.00E+00	6.52E-09	2.25E-09	2.14E-09	0.00E+00	4.40E-09
5284	481892.12	3768665.86	2.119E-08	9.56E-09	0.00E+00	3.08E-08	2.10E-08	1.39E-08	0.00E+00	3.49E-08	3.85E-09	2.37E-09	0.00E+00	6.22E-09	2.15E-09	2.04E-09	0.00E+00	4.19E-09
5285	481888.26	3768674.97	2.022E-08	9.12E-09	0.00E+00	2.93E-08	2.00E-08	1.33E-08	0.00E+00	3.33E-08	3.67E-09	2.26E-09	0.00E+00	5.93E-09	2.05E-09	1.95E-09	0.00E+00	4.00E-09
5286	481884.39	3768684.07	1.921E-08	8.66E-09	0.00E+00	2.79E-08	1.90E-08	1.26E-08	0.00E+00	3.16E-08	3.49E-09	2.15E-09	0.00E+00	5.64E-09	1.95E-09	1.85E-09	0.00E+00	3.80E-09
5287	481880.53	3768693.17	1.824E-08	8.23E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.00E-08	3.31E-09	2.04E-09	0.00E+00	5.35E-09	1.85E-09	1.76E-09	0.00E+00	3.61E-09
5288	481876.67	3768702.27	1.734E-08	7.82E-09	0.00E+00	2.52E-08	1.72E-08	1.14E-08	0.00E+00	2.85E-08	3.15E-09	1.94E-09	0.00E+00	5.09E-09	1.76E-09	1.67E-09	0.00E+00	3.43E-09
5289	481872.8	3768711.38	1.649E-08	7.44E-09	0.00E+00	2.39E-08	1.63E-08	1.08E-08	0.00E+00	2.71E-08	3.00E-09	1.84E-09	0.00E+00	4.84E-09	1.67E-09	1.59E-09	0.00E+00	3.26E-09
5290	481868.94	3768720.48	1.57E-08	7.08E-09	0.00E+00	2.28E-08	1.55E-08	1.03E-08	0.00E+00	2.58E-08	2.85E-09	1.75E-09	0.00E+00	4.61E-09	1.59E-09	1.51E-09	0.00E+00	3.11E-09
5291	481865.08	3768729.58	1.499E-08	6.76E-09	0.00E+00	2.17E-08	1.48E-08	9.83E-09	0.00E+00	2.47E-08	2.72E-09	1.68E-09	0.00E+00	4.40E-09	1.52E-09	1.45E-09	0.00E+00	2.97E-09
5292	481853.49	3768756.89	1.319E-08	5.95E-09	0.00E+00	1.91E-08	1.31E-08	8.66E-09	0.00E+00	2.17E-08	2.40E-09	1.47E-09	0.00E+00	3.87E-09	1.34E-09	1.27E-09	0.00E+00	2.61E-09
5293	481849.62	3768765.99	1.266E-08	5.71E-09	0.00E+00	1.84E-08	1.25E-08	8.30E-09	0.00E+00	2.08E-08	2.30E-09	1.41E-09	0.00E+00	3.71E-09	1.28E-09	1.22E-09	0.00E+00	2.50E-09
5294	481845.76	3768775.1	1.218E-08	5.49E-09	0.00E+00	1.77E-08	1.20E-08	7.99E-09	0.00E+00	2.00E-08	2.21E-09	1.36E-09	0.00E+00	3.57E-09	1.24E-09	1.17E-09	0.00E+00	2.41E-09
5295																		

5364	481564.35	3768963.1	8.005E-09	3.61E-09	0.00E+00	1.16E-08	7.92E-09	5.25E-09	0.00E+00	1.32E-08	1.45E-09	8.95E-10	0.00E+00	2.35E-09	8.12E-10	7.72E-10	0.00E+00	1.58E-09
5365	481555.35	3768966.72	7.983E-09	3.60E-09	0.00E+00	1.16E-08	7.90E-09	5.24E-09	0.00E+00	1.31E-08	1.45E-09	8.92E-10	0.00E+00	2.34E-09	8.10E-10	7.70E-10	0.00E+00	1.58E-09
5366	481546.34	3768970.33	7.964E-09	3.59E-09	0.00E+00	1.16E-08	7.88E-09	5.23E-09	0.00E+00	1.31E-08	1.45E-09	8.90E-10	0.00E+00	2.34E-09	8.08E-10	7.68E-10	0.00E+00	1.58E-09
5367	481980.07	3768529.54	3.523E-08	1.59E-08	0.00E+00	5.11E-08	3.49E-08	2.31E-08	0.00E+00	5.80E-08	6.40E-09	3.94E-09	0.00E+00	1.03E-08	3.57E-09	3.40E-09	0.00E+00	6.97E-09
5368	481980.14	3768519.57	3.665E-08	1.65E-08	0.00E+00	5.32E-08	3.63E-08	2.41E-08	0.00E+00	6.03E-08	6.66E-09	4.10E-09	0.00E+00	1.08E-08	3.72E-09	3.54E-09	0.00E+00	7.25E-09
5369	481980.21	3768509.59	3.806E-08	1.72E-08	0.00E+00	5.52E-08	3.77E-08	2.50E-08	0.00E+00	6.26E-08	6.91E-09	4.25E-09	0.00E+00	1.12E-08	3.86E-09	3.67E-09	0.00E+00	7.53E-09
5370	481980.29	3768499.61	3.942E-08	1.78E-08	0.00E+00	5.72E-08	3.90E-08	2.59E-08	0.00E+00	6.49E-08	7.16E-09	4.41E-09	0.00E+00	1.16E-08	4.00E-09	3.80E-09	0.00E+00	7.80E-09
5371	481980.36	3768489.63	4.075E-08	1.84E-08	0.00E+00	5.91E-08	4.03E-08	2.67E-08	0.00E+00	6.71E-08	7.40E-09	4.55E-09	0.00E+00	1.20E-08	4.13E-09	3.93E-09	0.00E+00	8.06E-09
5372	481980.43	3768479.65	4.202E-08	1.89E-08	0.00E+00	6.10E-08	4.16E-08	2.76E-08	0.00E+00	6.92E-08	7.63E-09	4.70E-09	0.00E+00	1.23E-08	4.26E-09	4.05E-09	0.00E+00	8.32E-09
5373	481980.51	3768469.67	4.321E-08	1.95E-08	0.00E+00	6.27E-08	4.28E-08	2.84E-08	0.00E+00	7.11E-08	7.85E-09	4.83E-09	0.00E+00	1.27E-08	4.38E-09	4.17E-09	0.00E+00	8.55E-09
5374	481980.58	3768459.69	4.432E-08	2.00E-08	0.00E+00	6.43E-08	4.39E-08	2.91E-08	0.00E+00	7.29E-08	8.05E-09	4.95E-09	0.00E+00	1.30E-08	4.50E-09	4.28E-09	0.00E+00	8.77E-09
5375	481980.65	3768449.71	4.533E-08	2.04E-08	0.00E+00	6.58E-08	4.49E-08	2.97E-08	0.00E+00	7.46E-08	8.24E-09	5.07E-09	0.00E+00	1.33E-08	4.60E-09	4.37E-09	0.00E+00	8.97E-09
5376	481980.73	3768439.73	4.624E-08	2.09E-08	0.00E+00	6.71E-08	4.58E-08	3.03E-08	0.00E+00	7.61E-08	8.40E-09	5.17E-09	0.00E+00	1.36E-08	4.69E-09	4.46E-09	0.00E+00	9.15E-09
5377	481980.8	3768429.76	4.702E-08	2.12E-08	0.00E+00	6.82E-08	4.65E-08	3.09E-08	0.00E+00	7.74E-08	8.54E-09	5.26E-09	0.00E+00	1.38E-08	4.77E-09	4.54E-09	0.00E+00	9.31E-09
5378	481980.87	3768419.78	4.769E-08	2.15E-08	0.00E+00	6.92E-08	4.72E-08	3.13E-08	0.00E+00	7.85E-08	8.67E-09	5.33E-09	0.00E+00	1.40E-08	4.84E-09	4.60E-09	0.00E+00	9.44E-09
5379	481980.95	3768409.8	4.823E-08	2.18E-08	0.00E+00	7.00E-08	4.77E-08	3.16E-08	0.00E+00	7.94E-08	8.76E-09	5.39E-09	0.00E+00	1.42E-08	4.89E-09	4.65E-09	0.00E+00	9.54E-09
5380	481981.02	3768399.82	4.864E-08	2.19E-08	0.00E+00	7.06E-08	4.81E-08	3.19E-08	0.00E+00	8.01E-08	8.84E-09	5.44E-09	0.00E+00	1.43E-08	4.93E-09	4.69E-09	0.00E+00	9.63E-09
5381	481981.09	3768389.84	4.893E-08	2.21E-08	0.00E+00	7.10E-08	4.84E-08	3.21E-08	0.00E+00	8.05E-08	8.89E-09	5.47E-09	0.00E+00	1.44E-08	4.96E-09	4.72E-09	0.00E+00	9.68E-09
5382	481981.17	3768379.86	4.908E-08	2.21E-08	0.00E+00	7.12E-08	4.86E-08	3.22E-08	0.00E+00	8.08E-08	8.92E-09	5.48E-09	0.00E+00	1.44E-08	4.98E-09	4.73E-09	0.00E+00	9.71E-09
5383	481981.24	3768369.88	4.908E-08	2.21E-08	0.00E+00	7.12E-08	4.86E-08	3.22E-08	0.00E+00	8.08E-08	8.92E-09	5.49E-09	0.00E+00	1.44E-08	4.98E-09	4.73E-09	0.00E+00	9.71E-09
5384	481981.31	3768359.9	4.896E-08	2.21E-08	0.00E+00	7.10E-08	4.84E-08	3.21E-08	0.00E+00	8.06E-08	8.90E-09	5.47E-09	0.00E+00	1.44E-08	4.97E-09	4.72E-09	0.00E+00	9.69E-09
5385	481981.39	3768349.92	4.87E-08	2.20E-08	0.00E+00	7.07E-08	4.82E-08	3.20E-08	0.00E+00	8.01E-08	8.85E-09	5.44E-09	0.00E+00	1.43E-08	4.94E-09	4.70E-09	0.00E+00	9.64E-09
5386	482006.24	3768538.79	3.174E-08	1.43E-08	0.00E+00	4.61E-08	3.14E-08	2.08E-08	0.00E+00	5.22E-08	5.77E-09	3.55E-09	0.00E+00	9.31E-09	3.22E-09	3.06E-09	0.00E+00	6.28E-09
5387	482002.41	3768547.81	3.083E-08	1.39E-08	0.00E+00	4.47E-08	3.05E-08	2.02E-08	0.00E+00	5.07E-08	5.60E-09	3.45E-09	0.00E+00	9.05E-09	3.13E-09	2.97E-09	0.00E+00	6.10E-09
5388	481998.58	3768556.83	2.99E-08	1.35E-08	0.00E+00	4.34E-08	2.96E-08	1.96E-08	0.00E+00	4.92E-08	5.43E-09	3.34E-09	0.00E+00	8.78E-09	3.03E-09	2.88E-09	0.00E+00	5.92E-09
5389	481994.75	3768565.85	2.901E-08	1.31E-08	0.00E+00	4.21E-08	2.87E-08	1.90E-08	0.00E+00	4.77E-08	5.27E-09	3.24E-09	0.00E+00	8.51E-09	2.94E-09	2.80E-09	0.00E+00	5.74E-09
5390	481990.92	3768574.87	2.81E-08	1.27E-08	0.00E+00	4.08E-08	2.78E-08	1.84E-08	0.00E+00	4.63E-08	5.11E-09	3.14E-09	0.00E+00	8.25E-09	2.85E-09	2.71E-09	0.00E+00	5.56E-09
5391	481987.1	3768583.89	2.72E-08	1.23E-08	0.00E+00	3.95E-08	2.69E-08	1.78E-08	0.00E+00	4.48E-08	4.94E-09	3.04E-09	0.00E+00	7.98E-09	2.76E-09	2.62E-09	0.00E+00	5.38E-09
5392	481983.27	3768592.91	2.63E-08	1.19E-08	0.00E+00	3.82E-08	2.60E-08	1.73E-08	0.00E+00	4.33E-08	4.78E-09	2.94E-09	0.00E+00	7.72E-09	2.67E-09	2.54E-09	0.00E+00	5.20E-09
5393	481979.44	3768601.93	2.541E-08	1.15E-08	0.00E+00	3.69E-08	2.51E-08	1.67E-08	0.00E+00	4.18E-08	4.62E-09	2.84E-09	0.00E+00	7.46E-09	2.58E-09	2.45E-09	0.00E+00	5.03E-09
5394	481975.61	3768610.95	2.454E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.20E-09	2.49E-09	2.37E-09	0.00E+00	4.86E-09
5395	481971.78	3768619.97	2.368E-08	1.07E-08	0.00E+00	3.44E-08	2.34E-08	1.55E-08	0.00E+00	3.90E-08	4.30E-09	2.65E-09	0.00E+00	6.95E-09	2.40E-09	2.28E-09	0.00E+00	4.69E-09
5396	481967.95	3768629	2.284E-08	1.03E-08	0.00E+00	3.31E-08	2.26E-08	1.50E-08	0.00E+00	3.76E-08	4.15E-09	2.55E-09	0.00E+00	6.70E-09	2.32E-09	2.20E-09	0.00E+00	4.52E-09
5397	481964.12	3768638.02	2.203E-08	9.94E-09	0.00E+00	3.20E-08	2.18E-08	1.45E-08	0.00E+00	3.63E-08	4.00E-09	2.46E-09	0.00E+00	6.47E-09	2.24E-09	2.13E-09	0.00E+00	4.36E-09
5398	481960.29	3768647.04	2.125E-08	9.58E-09	0.00E+00	3.08E-08	2.10E-08	1.39E-08	0.00E+00	3.50E-08	3.86E-09	2.38E-09	0.00E+00	6.24E-09	2.16E-09	2.05E-09	0.00E+00	4.21E-09
5399	481956.47	3768656.06	2.038E-08	9.19E-09	0.00E+00	2.96E-08	2.02E-08	1.34E-08	0.00E+00	3.35E-08	3.70E-09	2.28E-09	0.00E+00	5.98E-09	2.07E-09	1.97E-09	0.00E+00	4.03E-09
5400	481948.81	3768674.1	1.873E-08	8.44E-09	0.00E+00	2.72E-08	1.85E-08	1.23E-08	0.00E+00	3.08E-08	3.40E-09	2.09E-09	0.00E+00	5.50E-09	1.90E-09	1.81E-09	0.00E+00	3.71E-09
5401	481944.98	3768683.12	1.788E-08	8.06E-09	0.00E+00	2.59E-08	1.77E-08	1.17E-08	0.00E+00	2.94E-08	3.25E-09	2.00E-09	0.00E+00	5.25E-09	1.81E-09	1.72E-09	0.00E+00	3.54E-09
5402	481925.84	3768728.23	1.43E-08	6.45E-09	0.00E+00	2.08E-08	1.42E-08	9.39E-09	0.00E+00	2.35E-08	2.60E-09	1.60E-09	0.00E+00	4.20E-09	1.45E-09	1.38E-09	0.00E+00	2.83E-09
5403	481914.35	3768755.29	1.257E-08	5.67E-09	0.00E+00	1.82E-08	1.24E-08	8.25E-09	0.00E+00	2.07E-08	2.28E-09	1.41E-09	0.00E+00	3.69E-09	1.28E-09	1.21E-09	0.00E+00	2.49E-09
5404	481910.52	3768764.31	1.206E-08	5.44E-09	0.00E+00	1.75E-08	1.19E-08	7.91E-09	0.00E+00	1.98E-08	2.19E-09	1.35E-09	0.00E+00	3.54E-09	1.22E-09	1.16E-09	0.00E+00	2.39E-09
5405	481906.69	3768773.33	1.157E-08	5.22E-09	0.00E+00	1.68E-08	1.14E-08	7.59E-09	0.00E+00	1.90E-08	2.10E-09	1.29E-09	0.00E+00	3.40E-09	1.17E-09	1.12E-09	0.00E+00	2.29E-09
5406	481876.06	3768845.5	8.811E-09	3.97E-09	0.00E+00	1.28E-08	8.72E-09	5.78E-09	0.00E+00	1.45E-08	1.60E-09	9.85E-10	0.00E+00	2.59E-09	8.94E-10	8.50E-10	0.00E+00	1.74E-09
5407	481872.24	3768854.52	8.58E-09	3.86E-09	0.00E+00	1.24E-08	8.47E-09	5.62E-09	0.00E+00	1.41E-08	1.55E-09	9.56E-10	0.00E+00	2.51E-09	8.68E-10	8.26E-10	0.00E+00	1.69E-09
5408	481868.41	3768863.54	8.321E-09	3.75E-09	0.00E+00	1.21E-08	8.23E-09	5.46E-09	0.00E+00	1.37E-08	1.51E-09	9.30E-10	0.00E+00	2.44E-09	8.44E-10	8.03E-10	0.00E+00	1.65E-09
5409	481855.48	3768876.21	8.08E-09	3.64E-09	0.00E+00	1.17E-08	8.00E-09	5.30E-09	0.00E+00	1.33E-08	1.47E-09	9.03E-10	0.00E+00	2.37E-09	8.20E-10	7.79E-10	0.00E+00	1.60E-09
5410	481846.39	3768879.86	8.058E-09	3.63E-09	0.00E+00	1.17E-08	7.97E-09	5.29E-09	0.00E+00	1.33E-08	1.46E-09	9.01E-10	0.00E+00	2.36E-09	8.17E-10	7.77E-10	0.00E+00	1.59E-09
5411	481837.29	3768883.5	8.03E-09	3.62E-09	0.00E+00	1.17E-08	7.95E-09	5.27E-09	0.00E+00	1.32E-08	1.46E-09	8.97E-10	0.00E+00	2.36E-09	8.15E-10	7.75E-10	0.00E+00	1.59E-09
5412	481828.2	3768887.15	7.989E-09	3.60E-09	0.00E+00	1.16E-08	7.91E-09	5.24E-09	0.00E+00	1.31E-08	1.45E-09	8.93E-10	0.00E+00	2.34E-09	8.10E-10	7.71E-10	0.00E+00	1.58E-09
5413	48181																	

5482	481958.96	3768721.09	1.423E-08	6.42E-09	0.00E+00	2.06E-08	1.41E-08	9.34E-09	0.00E+00	2.34E-08	2.58E-09	1.59E-09	0.00E+00	4.17E-09	1.44E-09	1.37E-09	0.00E+00	2.82E-09
5483	481955.1	3768730.19	1.362E-08	6.14E-09	0.00E+00	1.98E-08	1.35E-08	8.94E-09	0.00E+00	2.24E-08	2.48E-09	1.52E-09	0.00E+00	4.00E-09	1.38E-09	1.31E-09	0.00E+00	2.70E-09
5484	481951.24	3768739.29	1.308E-08	5.90E-09	0.00E+00	1.90E-08	1.29E-08	8.58E-09	0.00E+00	2.15E-08	2.38E-09	1.46E-09	0.00E+00	3.84E-09	1.33E-09	1.26E-09	0.00E+00	2.59E-09
5485	481947.37	3768748.39	1.257E-08	5.67E-09	0.00E+00	1.82E-08	1.24E-08	8.25E-09	0.00E+00	2.07E-08	2.28E-09	1.41E-09	0.00E+00	3.69E-09	1.28E-09	1.21E-09	0.00E+00	2.49E-09
5486	481912.61	3768830.29	9.003E-09	4.06E-09	0.00E+00	1.31E-08	8.91E-09	5.91E-09	0.00E+00	1.48E-08	1.64E-09	1.01E-09	0.00E+00	2.64E-09	9.13E-10	8.68E-10	0.00E+00	1.78E-09
5487	481908.75	3768839.39	8.743E-09	3.94E-09	0.00E+00	1.27E-08	8.65E-09	5.74E-09	0.00E+00	1.44E-08	1.59E-09	9.77E-10	0.00E+00	2.57E-09	8.87E-10	8.43E-10	0.00E+00	1.73E-09
5488	481904.89	3768848.49	8.497E-09	3.83E-09	0.00E+00	1.23E-08	8.41E-09	5.58E-09	0.00E+00	1.40E-08	1.54E-09	9.50E-10	0.00E+00	2.49E-09	8.62E-10	8.20E-10	0.00E+00	1.68E-09
5489	481901.03	3768857.59	8.261E-09	3.73E-09	0.00E+00	1.20E-08	8.17E-09	5.42E-09	0.00E+00	1.36E-08	1.50E-09	9.23E-10	0.00E+00	2.42E-09	8.38E-10	7.97E-10	0.00E+00	1.63E-09
5490	481897.16	3768866.69	8.015E-09	3.61E-09	0.00E+00	1.16E-08	7.93E-09	5.26E-09	0.00E+00	1.32E-08	1.46E-09	8.96E-10	0.00E+00	2.35E-09	8.13E-10	7.73E-10	0.00E+00	1.59E-09
5491	481893.3	3768875.79	7.786E-09	3.51E-09	0.00E+00	1.13E-08	7.70E-09	5.11E-09	0.00E+00	1.28E-08	1.41E-09	8.70E-10	0.00E+00	2.28E-09	7.90E-10	7.51E-10	0.00E+00	1.54E-09
5492	481889.44	3768884.89	7.573E-09	3.42E-09	0.00E+00	1.10E-08	7.49E-09	4.97E-09	0.00E+00	1.25E-08	1.38E-09	8.46E-10	0.00E+00	2.22E-09	7.68E-10	7.31E-10	0.00E+00	1.50E-09
5493	481876.4	3768897.67	7.365E-09	3.32E-09	0.00E+00	1.07E-08	7.29E-09	4.83E-09	0.00E+00	1.21E-08	1.34E-09	8.23E-10	0.00E+00	2.16E-09	7.47E-10	7.10E-10	0.00E+00	1.46E-09
5494	481867.23	3768901.34	7.346E-09	3.31E-09	0.00E+00	1.07E-08	7.27E-09	4.82E-09	0.00E+00	1.21E-08	1.33E-09	8.21E-10	0.00E+00	2.16E-09	7.45E-10	7.09E-10	0.00E+00	1.45E-09
5495	481858.05	3768905.02	7.319E-09	3.30E-09	0.00E+00	1.06E-08	7.24E-09	4.80E-09	0.00E+00	1.20E-08	1.33E-09	8.18E-10	0.00E+00	2.15E-09	7.42E-10	7.06E-10	0.00E+00	1.45E-09
5496	481848.88	3768908.7	7.287E-09	3.29E-09	0.00E+00	1.06E-08	7.21E-09	4.78E-09	0.00E+00	1.20E-08	1.32E-09	8.14E-10	0.00E+00	2.14E-09	7.39E-10	7.03E-10	0.00E+00	1.44E-09
5497	481839.7	3768912.38	7.252E-09	3.27E-09	0.00E+00	1.05E-08	7.18E-09	4.76E-09	0.00E+00	1.19E-08	1.32E-09	8.11E-10	0.00E+00	2.13E-09	7.36E-10	7.00E-10	0.00E+00	1.44E-09
5498	481830.53	3768916.06	7.228E-09	3.26E-09	0.00E+00	1.05E-08	7.15E-09	4.74E-09	0.00E+00	1.19E-08	1.31E-09	8.08E-10	0.00E+00	2.12E-09	7.33E-10	6.97E-10	0.00E+00	1.43E-09
5499	481821.35	3768919.74	7.211E-09	3.25E-09	0.00E+00	1.05E-08	7.14E-09	4.73E-09	0.00E+00	1.19E-08	1.31E-09	8.06E-10	0.00E+00	2.12E-09	7.31E-10	6.96E-10	0.00E+00	1.43E-09
5500	481812.17	3768923.42	7.19E-09	3.24E-09	0.00E+00	1.04E-08	7.11E-09	4.72E-09	0.00E+00	1.18E-08	1.31E-09	8.04E-10	0.00E+00	2.11E-09	7.29E-10	6.94E-10	0.00E+00	1.42E-09
5501	481803	3768927.1	7.159E-09	3.23E-09	0.00E+00	1.04E-08	7.08E-09	4.70E-09	0.00E+00	1.18E-08	1.30E-09	8.00E-10	0.00E+00	2.10E-09	7.26E-10	6.91E-10	0.00E+00	1.42E-09
5502	481793.82	3768930.78	7.125E-09	3.21E-09	0.00E+00	1.03E-08	7.05E-09	4.68E-09	0.00E+00	1.17E-08	1.29E-09	7.96E-10	0.00E+00	2.09E-09	7.23E-10	6.87E-10	0.00E+00	1.41E-09
5503	481784.65	3768934.46	7.091E-09	3.20E-09	0.00E+00	1.03E-08	7.02E-09	4.65E-09	0.00E+00	1.17E-08	1.29E-09	7.92E-10	0.00E+00	2.08E-09	7.19E-10	6.84E-10	0.00E+00	1.40E-09
5504	481775.47	3768938.14	7.063E-09	3.19E-09	0.00E+00	1.02E-08	6.99E-09	4.63E-09	0.00E+00	1.16E-08	1.28E-09	7.89E-10	0.00E+00	2.07E-09	7.16E-10	6.81E-10	0.00E+00	1.40E-09
5505	481766.3	3768941.82	7.04E-09	3.17E-09	0.00E+00	1.02E-08	6.97E-09	4.62E-09	0.00E+00	1.16E-08	1.28E-09	7.87E-10	0.00E+00	2.07E-09	7.14E-10	6.79E-10	0.00E+00	1.39E-09
5506	481757.12	3768945.5	7.017E-09	3.16E-09	0.00E+00	1.02E-08	6.94E-09	4.60E-09	0.00E+00	1.15E-08	1.27E-09	7.84E-10	0.00E+00	2.06E-09	7.12E-10	6.77E-10	0.00E+00	1.39E-09
5507	481747.95	3768949.18	6.992E-09	3.15E-09	0.00E+00	1.01E-08	6.92E-09	4.59E-09	0.00E+00	1.15E-08	1.27E-09	7.81E-10	0.00E+00	2.05E-09	7.09E-10	6.75E-10	0.00E+00	1.38E-09
5508	481738.77	3768952.86	6.958E-09	3.14E-09	0.00E+00	1.01E-08	6.88E-09	4.57E-09	0.00E+00	1.15E-08	1.26E-09	7.78E-10	0.00E+00	2.04E-09	7.06E-10	6.71E-10	0.00E+00	1.38E-09
5509	481729.59	3768956.53	6.924E-09	3.12E-09	0.00E+00	1.00E-08	6.85E-09	4.54E-09	0.00E+00	1.14E-08	1.26E-09	7.74E-10	0.00E+00	2.03E-09	7.02E-10	6.68E-10	0.00E+00	1.37E-09
5510	481720.42	3768960.21	6.89E-09	3.11E-09	0.00E+00	1.00E-08	6.82E-09	4.52E-09	0.00E+00	1.13E-08	1.25E-09	7.70E-10	0.00E+00	2.02E-09	6.99E-10	6.65E-10	0.00E+00	1.36E-09
5511	481711.24	3768963.89	6.868E-09	3.10E-09	0.00E+00	9.96E-09	6.80E-09	4.51E-09	0.00E+00	1.13E-08	1.25E-09	7.68E-10	0.00E+00	2.02E-09	6.97E-10	6.63E-10	0.00E+00	1.36E-09
5512	481702.07	3768967.57	6.847E-09	3.09E-09	0.00E+00	9.93E-09	6.78E-09	4.49E-09	0.00E+00	1.13E-08	1.24E-09	7.65E-10	0.00E+00	2.01E-09	6.95E-10	6.61E-10	0.00E+00	1.36E-09
5513	481692.89	3768971.25	6.827E-09	3.08E-09	0.00E+00	9.91E-09	6.76E-09	4.48E-09	0.00E+00	1.12E-08	1.24E-09	7.63E-10	0.00E+00	2.00E-09	6.93E-10	6.59E-10	0.00E+00	1.35E-09
5514	481683.72	3768974.93	6.8E-09	3.07E-09	0.00E+00	9.87E-09	6.73E-09	4.46E-09	0.00E+00	1.12E-08	1.24E-09	7.60E-10	0.00E+00	2.00E-09	6.90E-10	6.56E-10	0.00E+00	1.35E-09
5515	481674.54	3768978.61	6.769E-09	3.05E-09	0.00E+00	9.82E-09	6.70E-09	4.44E-09	0.00E+00	1.11E-08	1.23E-09	7.56E-10	0.00E+00	1.99E-09	6.87E-10	6.53E-10	0.00E+00	1.34E-09
5516	481665.37	3768982.29	6.739E-09	3.04E-09	0.00E+00	9.78E-09	6.67E-09	4.42E-09	0.00E+00	1.11E-08	1.22E-09	7.53E-10	0.00E+00	1.98E-09	6.84E-10	6.50E-10	0.00E+00	1.33E-09
5517	481656.19	3768985.97	6.715E-09	3.03E-09	0.00E+00	9.74E-09	6.64E-09	4.41E-09	0.00E+00	1.11E-08	1.22E-09	7.50E-10	0.00E+00	1.97E-09	6.81E-10	6.48E-10	0.00E+00	1.33E-09
5518	481647.02	3768989.65	6.701E-09	3.02E-09	0.00E+00	9.72E-09	6.63E-09	4.40E-09	0.00E+00	1.10E-08	1.22E-09	7.49E-10	0.00E+00	1.97E-09	6.80E-10	6.46E-10	0.00E+00	1.33E-09
5519	481637.84	3768993.33	6.819E-09	3.08E-09	0.00E+00	9.89E-09	6.75E-09	4.47E-09	0.00E+00	1.12E-08	1.24E-09	7.62E-10	0.00E+00	2.00E-09	6.92E-10	6.58E-10	0.00E+00	1.35E-09
5520	481628.66	3768997.01	6.796E-09	3.06E-09	0.00E+00	9.86E-09	6.72E-09	4.46E-09	0.00E+00	1.12E-08	1.23E-09	7.59E-10	0.00E+00	1.99E-09	6.89E-10	6.56E-10	0.00E+00	1.34E-09
5521	481619.49	3769000.69	6.772E-09	3.05E-09	0.00E+00	9.83E-09	6.70E-09	4.44E-09	0.00E+00	1.11E-08	1.23E-09	7.57E-10	0.00E+00	1.99E-09	6.87E-10	6.53E-10	0.00E+00	1.34E-09
5522	481610.31	3769004.37	6.749E-09	3.04E-09	0.00E+00	9.79E-09	6.68E-09	4.43E-09	0.00E+00	1.11E-08	1.23E-09	7.54E-10	0.00E+00	1.98E-09	6.85E-10	6.51E-10	0.00E+00	1.34E-09
5523	481601.14	3769008.05	6.728E-09	3.03E-09	0.00E+00	9.76E-09	6.66E-09	4.41E-09	0.00E+00	1.11E-08	1.22E-09	7.52E-10	0.00E+00	1.97E-09	6.82E-10	6.49E-10	0.00E+00	1.33E-09
5524	481591.96	3769011.72	6.711E-09	3.03E-09	0.00E+00	9.74E-09	6.64E-09	4.40E-09	0.00E+00	1.10E-08	1.22E-09	7.50E-10	0.00E+00	1.97E-09	6.81E-10	6.47E-10	0.00E+00	1.33E-09
5525	481582.79	3769015.4	6.695E-09	3.02E-09	0.00E+00	9.71E-09	6.63E-09	4.39E-09	0.00E+00	1.10E-08	1.22E-09	7.48E-10	0.00E+00	1.96E-09	6.79E-10	6.46E-10	0.00E+00	1.33E-09
5526	481573.61	3769019.08	6.681E-09	3.01E-09	0.00E+00	9.69E-09	6.61E-09	4.38E-09	0.00E+00	1.10E-08	1.22E-09	7.47E-10	0.00E+00	1.96E-09	6.78E-10	6.45E-10	0.00E+00	1.32E-09
5527	481564.44	3769022.76	6.667E-09	3.01E-09	0.00E+00	9.67E-09	6.60E-09	4.37E-09	0.00E+00	1.10E-08	1.21E-09	7.45E-10	0.00E+00	1.96E-09	6.76E-10	6.43E-10	0.00E+00	1.32E-09
5528	481555.26	3769026.44	6.654E-09	3.00E-09	0.00E+00	9.65E-09	6.58E-09	4.37E-09	0.00E+00	1.10E-08	1.21E-09	7.44E-10	0.00E+00	1.95E-09	6.75E-10	6.42E-10	0.00E+00	1.32E-09
5529	481546.09	3769030.12	6.642E-09	3.00E-09	0.00E+00	9.64E-09	6.57E-09	4.36E-09	0.00E+00	1.09E-08	1.21E-09	7.42E-10	0.00E+00	1.95E-09	6.74E-10	6.41E-10	0.00E+00	1.31E-09
5530	482040.07	3768529.99	3.03E-08	1.37E-08	0.00E+00	4.40E-08	3.00E-08	1.99E-08	0.00E+00	4.99E-08	5.51E-09	3.39E-09	0.00E+00	8.89E-09	3.07E-09	2.92E-09	0.00E+00	6.00E-09
5531	48																	

5600	481703.13	3768996.99	6.27E-09	2.83E-09	0.00E+00	9.10E-09	6.20E-09	4.11E-09	0.00E+00	1.03E-08	1.14E-09	7.01E-10	0.00E+00	1.84E-09	6.36E-10	6.05E-10	0.00E+00	1.24E-09
5601	481693.88	3769000.7	6.253E-09	2.82E-09	0.00E+00	9.07E-09	6.19E-09	4.10E-09	0.00E+00	1.03E-08	1.14E-09	6.99E-10	0.00E+00	1.83E-09	6.34E-10	6.03E-10	0.00E+00	1.24E-09
5602	481684.64	3769004.41	6.231E-09	2.81E-09	0.00E+00	9.04E-09	6.17E-09	4.09E-09	0.00E+00	1.03E-08	1.13E-09	6.96E-10	0.00E+00	1.83E-09	6.32E-10	6.01E-10	0.00E+00	1.23E-09
5603	481675.39	3769008.12	6.204E-09	2.80E-09	0.00E+00	9.00E-09	6.14E-09	4.07E-09	0.00E+00	1.02E-08	1.13E-09	6.93E-10	0.00E+00	1.82E-09	6.29E-10	5.99E-10	0.00E+00	1.23E-09
5604	481666.14	3769011.82	6.179E-09	2.79E-09	0.00E+00	8.97E-09	6.11E-09	4.05E-09	0.00E+00	1.02E-08	1.12E-09	6.91E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
5605	481656.89	3769015.53	6.158E-09	2.78E-09	0.00E+00	8.93E-09	6.09E-09	4.04E-09	0.00E+00	1.01E-08	1.12E-09	6.88E-10	0.00E+00	1.81E-09	6.25E-10	5.94E-10	0.00E+00	1.22E-09
5606	481647.65	3769019.24	6.146E-09	2.77E-09	0.00E+00	8.92E-09	6.08E-09	4.03E-09	0.00E+00	1.01E-08	1.12E-09	6.87E-10	0.00E+00	1.80E-09	6.23E-10	5.93E-10	0.00E+00	1.22E-09
5607	481638.4	3769022.95	6.254E-09	2.82E-09	0.00E+00	9.07E-09	6.19E-09	4.10E-09	0.00E+00	1.03E-08	1.14E-09	6.97E-10	0.00E+00	1.84E-09	6.34E-10	6.03E-10	0.00E+00	1.24E-09
5608	481629.15	3769026.66	6.235E-09	2.81E-09	0.00E+00	9.05E-09	6.17E-09	4.09E-09	0.00E+00	1.03E-08	1.13E-09	6.97E-10	0.00E+00	1.83E-09	6.32E-10	6.02E-10	0.00E+00	1.23E-09
5609	481619.9	3769030.37	6.215E-09	2.80E-09	0.00E+00	9.02E-09	6.15E-09	4.08E-09	0.00E+00	1.02E-08	1.13E-09	6.95E-10	0.00E+00	1.82E-09	6.30E-10	6.00E-10	0.00E+00	1.23E-09
5610	481610.65	3769034.07	6.197E-09	2.79E-09	0.00E+00	8.99E-09	6.13E-09	4.07E-09	0.00E+00	1.02E-08	1.13E-09	6.93E-10	0.00E+00	1.82E-09	6.29E-10	5.98E-10	0.00E+00	1.23E-09
5611	481601.41	3769037.78	6.179E-09	2.79E-09	0.00E+00	8.97E-09	6.11E-09	4.05E-09	0.00E+00	1.02E-08	1.12E-09	6.91E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
5612	481592.16	3769041.49	6.165E-09	2.78E-09	0.00E+00	8.94E-09	6.10E-09	4.05E-09	0.00E+00	1.01E-08	1.12E-09	6.89E-10	0.00E+00	1.81E-09	6.25E-10	5.95E-10	0.00E+00	1.22E-09
5613	481582.91	3769045.2	6.151E-09	2.77E-09	0.00E+00	8.93E-09	6.09E-09	4.04E-09	0.00E+00	1.01E-08	1.12E-09	6.87E-10	0.00E+00	1.81E-09	6.24E-10	5.93E-10	0.00E+00	1.22E-09
5614	481573.66	3769048.91	6.139E-09	2.77E-09	0.00E+00	8.91E-09	6.07E-09	4.03E-09	0.00E+00	1.01E-08	1.12E-09	6.86E-10	0.00E+00	1.80E-09	6.23E-10	5.92E-10	0.00E+00	1.21E-09
5615	481564.42	3769052.62	6.127E-09	2.76E-09	0.00E+00	8.89E-09	6.06E-09	4.02E-09	0.00E+00	1.01E-08	1.11E-09	6.85E-10	0.00E+00	1.80E-09	6.21E-10	5.91E-10	0.00E+00	1.21E-09
5616	481555.17	3769056.32	6.117E-09	2.76E-09	0.00E+00	8.87E-09	6.05E-09	4.01E-09	0.00E+00	1.01E-08	1.11E-09	6.84E-10	0.00E+00	1.79E-09	6.20E-10	5.90E-10	0.00E+00	1.21E-09
5617	481545.92	3769060.03	6.108E-09	2.75E-09	0.00E+00	8.86E-09	6.04E-09	4.01E-09	0.00E+00	1.01E-08	1.11E-09	6.83E-10	0.00E+00	1.79E-09	6.20E-10	5.89E-10	0.00E+00	1.21E-09
5618	482070.07	3768530.21	2.831E-08	1.28E-08	0.00E+00	4.11E-08	2.80E-08	1.86E-08	0.00E+00	4.66E-08	5.14E-09	3.16E-09	0.00E+00	8.31E-09	2.87E-09	2.73E-09	0.00E+00	5.60E-09
5619	482070.14	3768520.23	2.932E-08	1.32E-08	0.00E+00	4.25E-08	2.90E-08	1.92E-08	0.00E+00	4.83E-08	5.33E-09	3.28E-09	0.00E+00	8.61E-09	2.97E-09	2.83E-09	0.00E+00	5.80E-09
5620	482070.21	3768510.25	3.032E-08	1.37E-08	0.00E+00	4.40E-08	3.00E-08	1.99E-08	0.00E+00	4.99E-08	5.51E-09	3.39E-09	0.00E+00	8.90E-09	3.08E-09	2.93E-09	0.00E+00	6.00E-09
5621	482070.29	3768500.27	3.129E-08	1.41E-08	0.00E+00	4.54E-08	3.10E-08	2.05E-08	0.00E+00	5.15E-08	5.69E-09	3.50E-09	0.00E+00	9.18E-09	3.17E-09	3.02E-09	0.00E+00	6.19E-09
5622	482070.36	3768490.29	3.223E-08	1.45E-08	0.00E+00	4.68E-08	3.19E-08	2.12E-08	0.00E+00	5.30E-08	5.86E-09	3.60E-09	0.00E+00	9.46E-09	3.27E-09	3.11E-09	0.00E+00	6.38E-09
5623	482070.43	3768480.31	3.313E-08	1.49E-08	0.00E+00	4.81E-08	3.28E-08	2.17E-08	0.00E+00	5.45E-08	6.02E-09	3.70E-09	0.00E+00	9.72E-09	3.36E-09	3.20E-09	0.00E+00	6.56E-09
5624	482070.51	3768470.33	3.398E-08	1.53E-08	0.00E+00	4.93E-08	3.36E-08	2.23E-08	0.00E+00	5.59E-08	6.17E-09	3.80E-09	0.00E+00	9.97E-09	3.45E-09	3.28E-09	0.00E+00	6.73E-09
5625	482070.58	3768460.35	3.478E-08	1.57E-08	0.00E+00	5.05E-08	3.44E-08	2.28E-08	0.00E+00	5.72E-08	6.32E-09	3.89E-09	0.00E+00	1.02E-08	3.53E-09	3.36E-09	0.00E+00	6.88E-09
5626	482070.65	3768450.37	3.552E-08	1.60E-08	0.00E+00	5.15E-08	3.51E-08	2.33E-08	0.00E+00	5.84E-08	6.45E-09	3.97E-09	0.00E+00	1.04E-08	3.60E-09	3.43E-09	0.00E+00	7.03E-09
5627	482070.73	3768440.4	3.618E-08	1.63E-08	0.00E+00	5.25E-08	3.58E-08	2.37E-08	0.00E+00	5.95E-08	6.57E-09	4.04E-09	0.00E+00	1.06E-08	3.67E-09	3.49E-09	0.00E+00	7.16E-09
5628	482070.8	3768430.42	3.678E-08	1.66E-08	0.00E+00	5.34E-08	3.64E-08	2.41E-08	0.00E+00	6.05E-08	6.68E-09	4.11E-09	0.00E+00	1.08E-08	3.73E-09	3.55E-09	0.00E+00	7.28E-09
5629	482070.87	3768420.44	3.73E-08	1.68E-08	0.00E+00	5.41E-08	3.69E-08	2.45E-08	0.00E+00	6.14E-08	6.78E-09	4.17E-09	0.00E+00	1.09E-08	3.78E-09	3.60E-09	0.00E+00	7.38E-09
5630	482070.95	3768410.46	3.774E-08	1.70E-08	0.00E+00	5.48E-08	3.73E-08	2.48E-08	0.00E+00	6.21E-08	6.86E-09	4.22E-09	0.00E+00	1.11E-08	3.83E-09	3.64E-09	0.00E+00	7.47E-09
5631	482071.02	3768400.48	3.809E-08	1.72E-08	0.00E+00	5.53E-08	3.77E-08	2.50E-08	0.00E+00	6.27E-08	6.92E-09	4.26E-09	0.00E+00	1.12E-08	3.86E-09	3.67E-09	0.00E+00	7.54E-09
5632	482071.09	3768390.5	3.836E-08	1.73E-08	0.00E+00	5.57E-08	3.80E-08	2.52E-08	0.00E+00	6.31E-08	6.97E-09	4.29E-09	0.00E+00	1.13E-08	3.89E-09	3.70E-09	0.00E+00	7.59E-09
5633	482071.17	3768380.52	3.855E-08	1.74E-08	0.00E+00	5.59E-08	3.81E-08	2.53E-08	0.00E+00	6.34E-08	7.00E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.63E-09
5634	482071.24	3768370.54	3.864E-08	1.74E-08	0.00E+00	5.61E-08	3.82E-08	2.54E-08	0.00E+00	6.36E-08	7.02E-09	4.32E-09	0.00E+00	1.13E-08	3.92E-09	3.73E-09	0.00E+00	7.65E-09
5635	482071.31	3768360.56	3.865E-08	1.74E-08	0.00E+00	5.61E-08	3.82E-08	2.54E-08	0.00E+00	6.36E-08	7.02E-09	4.32E-09	0.00E+00	1.13E-08	3.92E-09	3.73E-09	0.00E+00	7.65E-09
5636	482071.39	3768350.59	3.858E-08	1.74E-08	0.00E+00	5.60E-08	3.82E-08	2.53E-08	0.00E+00	6.35E-08	7.01E-09	4.31E-09	0.00E+00	1.13E-08	3.91E-09	3.72E-09	0.00E+00	7.64E-09
5637	482096.23	3768539.46	2.586E-08	1.17E-08	0.00E+00	3.75E-08	2.56E-08	1.70E-08	0.00E+00	4.26E-08	4.70E-09	2.89E-09	0.00E+00	7.59E-09	2.62E-09	2.49E-09	0.00E+00	5.12E-09
5638	482092.4	3768548.49	2.52E-08	1.14E-08	0.00E+00	3.66E-08	2.49E-08	1.65E-08	0.00E+00	4.15E-08	4.58E-09	2.82E-09	0.00E+00	7.40E-09	2.56E-09	2.43E-09	0.00E+00	4.99E-09
5639	482088.57	3768557.52	2.453E-08	1.11E-08	0.00E+00	3.56E-08	2.43E-08	1.61E-08	0.00E+00	4.04E-08	4.46E-09	2.74E-09	0.00E+00	7.20E-09	2.49E-09	2.37E-09	0.00E+00	4.85E-09
5640	482084.73	3768566.55	2.385E-08	1.08E-08	0.00E+00	3.46E-08	2.36E-08	1.56E-08	0.00E+00	3.92E-08	4.33E-09	2.67E-09	0.00E+00	7.00E-09	2.42E-09	2.30E-09	0.00E+00	4.72E-09
5641	482080.9	3768575.58	2.315E-08	1.04E-08	0.00E+00	3.36E-08	2.29E-08	1.52E-08	0.00E+00	3.81E-08	4.21E-09	2.59E-09	0.00E+00	6.79E-09	2.35E-09	2.23E-09	0.00E+00	4.58E-09
5642	482077.07	3768584.61	2.244E-08	1.01E-08	0.00E+00	3.26E-08	2.22E-08	1.47E-08	0.00E+00	3.69E-08	4.08E-09	2.51E-09	0.00E+00	6.59E-09	2.28E-09	2.17E-09	0.00E+00	4.44E-09
5643	482073.23	3768593.65	2.173E-08	9.80E-09	0.00E+00	3.15E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.95E-09	2.43E-09	0.00E+00	6.38E-09	2.20E-09	2.10E-09	0.00E+00	4.30E-09
5644	482069.4	3768602.68	2.102E-08	9.48E-09	0.00E+00	3.05E-08	2.08E-08	1.38E-08	0.00E+00	3.46E-08	3.82E-09	2.35E-09	0.00E+00	6.17E-09	2.13E-09	2.03E-09	0.00E+00	4.16E-09
5645	482065.57	3768611.71	2.031E-08	9.16E-09	0.00E+00	2.95E-08	2.01E-08	1.33E-08	0.00E+00	3.34E-08	3.69E-09	2.27E-09	0.00E+00	5.96E-09	2.06E-09	1.96E-09	0.00E+00	4.02E-09
5646	482061.73	3768620.74	1.962E-08	8.85E-09	0.00E+00	2.85E-08	1.94E-08	1.29E-08	0.00E+00	3.23E-08	3.56E-09	2.19E-09	0.00E+00	5.76E-09	1.99E-09	1.89E-09	0.00E+00	3.88E-09
5647	482057.9	3768629.77	1.893E-08	8.53E-09	0.00E+00	2.75E-08	1.87E-08	1.24E-08	0.00E+00	3.11E-08	3.44E-09	2.12E-09	0.00E+00	5.55E-09	1.92E-09	1.83E-09	0.00E+00	3.75E-09
5648	482054.07	3768638.8	1.825E-08	8.23E-09	0.00E+00	2.65E-08	1.81E-08	1.20E-08	0.00E+00	3.00E-08	3.32E-09	2.04E-09	0.00E+00	5.36E-09	1.85E-09	1.76E-09	0.00E+00	3.61E-09
5649																		

5718	482100.8	3768430.64	3.413E-08	1.54E-08	0.00E+00	4.95E-08	3.38E-08	2.24E-08	0.00E+00	5.62E-08	6.20E-09	3.81E-09	0.00E+00	1.00E-08	3.46E-09	3.29E-09	0.00E+00	6.75E-09
5719	482100.87	3768420.66	3.461E-08	1.56E-08	0.00E+00	5.02E-08	3.42E-08	2.27E-08	0.00E+00	5.70E-08	6.29E-09	3.87E-09	0.00E+00	1.02E-08	3.51E-09	3.34E-09	0.00E+00	6.85E-09
5720	482100.94	3768410.68	3.502E-08	1.58E-08	0.00E+00	5.08E-08	3.47E-08	2.30E-08	0.00E+00	5.76E-08	6.36E-09	3.91E-09	0.00E+00	1.03E-08	3.55E-09	3.38E-09	0.00E+00	6.93E-09
5721	482101.02	3768400.7	3.536E-08	1.59E-08	0.00E+00	5.13E-08	3.50E-08	2.32E-08	0.00E+00	5.82E-08	6.42E-09	3.95E-09	0.00E+00	1.04E-08	3.59E-09	3.41E-09	0.00E+00	7.00E-09
5722	482101.09	3768390.72	3.562E-08	1.61E-08	0.00E+00	5.17E-08	3.52E-08	2.34E-08	0.00E+00	5.86E-08	6.47E-09	3.98E-09	0.00E+00	1.05E-08	3.61E-09	3.44E-09	0.00E+00	7.05E-09
5723	482101.16	3768380.74	3.581E-08	1.61E-08	0.00E+00	5.20E-08	3.54E-08	2.35E-08	0.00E+00	5.89E-08	6.51E-09	4.00E-09	0.00E+00	1.05E-08	3.63E-09	3.45E-09	0.00E+00	7.09E-09
5724	482101.24	3768370.76	3.592E-08	1.62E-08	0.00E+00	5.21E-08	3.55E-08	2.36E-08	0.00E+00	5.91E-08	6.53E-09	4.01E-09	0.00E+00	1.05E-08	3.64E-09	3.47E-09	0.00E+00	7.11E-09
5725	482101.31	3768360.78	3.596E-08	1.62E-08	0.00E+00	5.22E-08	3.56E-08	2.36E-08	0.00E+00	5.92E-08	6.53E-09	4.02E-09	0.00E+00	1.06E-08	3.65E-09	3.47E-09	0.00E+00	7.12E-09
5726	482126.2	3768539.74	2.43E-08	1.10E-08	0.00E+00	3.53E-08	2.40E-08	1.59E-08	0.00E+00	4.00E-08	4.41E-09	2.72E-09	0.00E+00	7.13E-09	2.46E-09	2.34E-09	0.00E+00	4.81E-09
5727	482122.34	3768548.84	2.369E-08	1.07E-08	0.00E+00	3.44E-08	2.34E-08	1.55E-08	0.00E+00	3.90E-08	4.30E-09	2.65E-09	0.00E+00	6.95E-09	2.40E-09	2.29E-09	0.00E+00	4.69E-09
5728	482118.48	3768557.94	2.306E-08	1.04E-08	0.00E+00	3.35E-08	2.28E-08	1.51E-08	0.00E+00	3.80E-08	4.19E-09	2.58E-09	0.00E+00	6.77E-09	2.34E-09	2.22E-09	0.00E+00	4.56E-09
5729	482114.62	3768567.04	2.242E-08	1.01E-08	0.00E+00	3.25E-08	2.22E-08	1.47E-08	0.00E+00	3.69E-08	4.07E-09	2.51E-09	0.00E+00	6.58E-09	2.27E-09	2.16E-09	0.00E+00	4.44E-09
5730	482110.76	3768576.14	2.176E-08	9.81E-09	0.00E+00	3.16E-08	2.15E-08	1.43E-08	0.00E+00	3.58E-08	3.95E-09	2.43E-09	0.00E+00	6.39E-09	2.21E-09	2.10E-09	0.00E+00	4.31E-09
5731	482106.9	3768585.24	2.111E-08	9.52E-09	0.00E+00	3.06E-08	2.09E-08	1.39E-08	0.00E+00	3.47E-08	3.84E-09	2.36E-09	0.00E+00	6.20E-09	2.14E-09	2.04E-09	0.00E+00	4.18E-09
5732	482103.03	3768594.33	2.047E-08	9.23E-09	0.00E+00	2.97E-08	2.03E-08	1.34E-08	0.00E+00	3.37E-08	3.72E-09	2.29E-09	0.00E+00	6.01E-09	2.08E-09	1.97E-09	0.00E+00	4.05E-09
5733	482099.17	3768603.43	1.982E-08	8.94E-09	0.00E+00	2.88E-08	1.96E-08	1.30E-08	0.00E+00	3.26E-08	3.60E-09	2.21E-09	0.00E+00	5.81E-09	2.01E-09	1.91E-09	0.00E+00	3.92E-09
5734	482095.31	3768612.53	1.917E-08	8.64E-09	0.00E+00	2.78E-08	1.90E-08	1.26E-08	0.00E+00	3.15E-08	3.48E-09	2.14E-09	0.00E+00	5.62E-09	1.94E-09	1.85E-09	0.00E+00	3.79E-09
5735	482091.45	3768621.63	1.853E-08	8.36E-09	0.00E+00	2.69E-08	1.83E-08	1.22E-08	0.00E+00	3.05E-08	3.37E-09	2.07E-09	0.00E+00	5.44E-09	1.88E-09	1.79E-09	0.00E+00	3.67E-09
5736	482087.59	3768630.73	1.791E-08	8.08E-09	0.00E+00	2.60E-08	1.77E-08	1.18E-08	0.00E+00	2.95E-08	3.25E-09	2.00E-09	0.00E+00	5.26E-09	1.82E-09	1.73E-09	0.00E+00	3.54E-09
5737	482083.73	3768639.82	1.728E-08	7.79E-09	0.00E+00	2.51E-08	1.71E-08	1.13E-08	0.00E+00	2.84E-08	3.15E-09	1.93E-09	0.00E+00	5.07E-09	1.75E-09	1.67E-09	0.00E+00	3.42E-09
5738	482079.87	3768648.92	1.666E-08	7.51E-09	0.00E+00	2.42E-08	1.65E-08	1.09E-08	0.00E+00	2.74E-08	3.03E-09	1.86E-09	0.00E+00	4.89E-09	1.69E-09	1.61E-09	0.00E+00	3.30E-09
5739	482076	3768658.02	1.607E-08	7.25E-09	0.00E+00	2.33E-08	1.59E-08	1.05E-08	0.00E+00	2.64E-08	2.92E-09	1.80E-09	0.00E+00	4.72E-09	1.63E-09	1.55E-09	0.00E+00	3.18E-09
5740	482068.28	3768676.22	1.498E-08	6.75E-09	0.00E+00	2.17E-08	1.48E-08	9.83E-09	0.00E+00	2.47E-08	2.72E-09	1.67E-09	0.00E+00	4.40E-09	1.52E-09	1.44E-09	0.00E+00	2.96E-09
5741	482064.42	3768685.31	1.443E-08	6.51E-09	0.00E+00	2.09E-08	1.43E-08	9.47E-09	0.00E+00	2.37E-08	2.62E-09	1.61E-09	0.00E+00	4.24E-09	1.46E-09	1.39E-09	0.00E+00	2.86E-09
5742	482060.56	3768694.41	1.389E-08	6.27E-09	0.00E+00	2.02E-08	1.37E-08	9.12E-09	0.00E+00	2.29E-08	2.52E-09	1.55E-09	0.00E+00	4.08E-09	1.41E-09	1.34E-09	0.00E+00	2.75E-09
5743	482056.7	3768703.51	1.336E-08	6.03E-09	0.00E+00	1.94E-08	1.32E-08	8.77E-09	0.00E+00	2.20E-08	2.43E-09	1.49E-09	0.00E+00	3.92E-09	1.36E-09	1.29E-09	0.00E+00	2.64E-09
5744	482052.84	3768712.61	1.287E-08	5.80E-09	0.00E+00	1.87E-08	1.27E-08	8.45E-09	0.00E+00	2.12E-08	2.34E-09	1.44E-09	0.00E+00	3.78E-09	1.31E-09	1.24E-09	0.00E+00	2.55E-09
5745	482048.97	3768721.71	1.241E-08	5.60E-09	0.00E+00	1.80E-08	1.23E-08	8.15E-09	0.00E+00	2.04E-08	2.26E-09	1.39E-09	0.00E+00	3.64E-09	1.26E-09	1.20E-09	0.00E+00	2.46E-09
5746	482002.64	3768830.89	8.202E-09	3.70E-09	0.00E+00	1.19E-08	8.12E-09	5.38E-09	0.00E+00	1.35E-08	1.49E-09	9.17E-10	0.00E+00	2.41E-09	8.32E-10	7.91E-10	0.00E+00	1.62E-09
5747	481998.78	3768839.98	7.974E-09	3.60E-09	0.00E+00	1.16E-08	7.89E-09	5.23E-09	0.00E+00	1.31E-08	1.45E-09	8.91E-10	0.00E+00	2.34E-09	8.09E-10	7.69E-10	0.00E+00	1.58E-09
5748	481994.91	3768849.08	7.757E-09	3.50E-09	0.00E+00	1.13E-08	7.68E-09	5.09E-09	0.00E+00	1.28E-08	1.41E-09	8.67E-10	0.00E+00	2.28E-09	7.87E-10	7.48E-10	0.00E+00	1.54E-09
5749	481991.05	3768858.18	7.547E-09	3.40E-09	0.00E+00	1.10E-08	7.47E-09	4.95E-09	0.00E+00	1.24E-08	1.37E-09	8.43E-10	0.00E+00	2.21E-09	7.66E-10	7.28E-10	0.00E+00	1.49E-09
5750	481987.19	3768867.28	7.334E-09	3.31E-09	0.00E+00	1.06E-08	7.26E-09	4.81E-09	0.00E+00	1.21E-08	1.33E-09	8.20E-10	0.00E+00	2.15E-09	7.44E-10	7.07E-10	0.00E+00	1.45E-09
5751	481983.33	3768876.38	7.131E-09	3.22E-09	0.00E+00	1.03E-08	7.06E-09	4.68E-09	0.00E+00	1.17E-08	1.30E-09	7.97E-10	0.00E+00	2.09E-09	7.23E-10	6.88E-10	0.00E+00	1.41E-09
5752	481979.47	3768885.47	6.941E-09	3.13E-09	0.00E+00	1.01E-08	6.87E-09	4.55E-09	0.00E+00	1.14E-08	1.26E-09	7.76E-10	0.00E+00	2.04E-09	7.04E-10	6.70E-10	0.00E+00	1.37E-09
5753	481975.61	3768894.57	6.773E-09	3.05E-09	0.00E+00	9.83E-09	6.70E-09	4.44E-09	0.00E+00	1.11E-08	1.23E-09	7.57E-10	0.00E+00	1.99E-09	6.87E-10	6.53E-10	0.00E+00	1.34E-09
5754	481971.75	3768903.67	6.614E-09	2.98E-09	0.00E+00	9.60E-09	6.54E-09	4.34E-09	0.00E+00	1.09E-08	1.20E-09	7.39E-10	0.00E+00	1.94E-09	6.71E-10	6.38E-10	0.00E+00	1.31E-09
5755	481967.88	3768912.77	6.462E-09	2.91E-09	0.00E+00	9.38E-09	6.39E-09	4.24E-09	0.00E+00	1.06E-08	1.17E-09	7.22E-10	0.00E+00	1.90E-09	6.55E-10	6.23E-10	0.00E+00	1.28E-09
5756	481964.02	3768921.87	6.316E-09	2.85E-09	0.00E+00	9.16E-09	6.25E-09	4.14E-09	0.00E+00	1.04E-08	1.15E-09	7.06E-10	0.00E+00	1.85E-09	6.41E-10	6.09E-10	0.00E+00	1.25E-09
5757	481960.16	3768930.96	6.177E-09	2.79E-09	0.00E+00	8.96E-09	6.11E-09	4.05E-09	0.00E+00	1.02E-08	1.12E-09	6.90E-10	0.00E+00	1.81E-09	6.27E-10	5.96E-10	0.00E+00	1.22E-09
5758	481956.3	3768940.06	6.043E-09	2.73E-09	0.00E+00	8.77E-09	5.98E-09	3.97E-09	0.00E+00	9.94E-09	1.10E-09	6.75E-10	0.00E+00	1.77E-09	6.13E-10	5.83E-10	0.00E+00	1.20E-09
5759	481952.44	3768949.16	5.913E-09	2.67E-09	0.00E+00	8.58E-09	5.85E-09	3.88E-09	0.00E+00	9.73E-09	1.07E-09	6.61E-10	0.00E+00	1.74E-09	6.00E-10	5.70E-10	0.00E+00	1.17E-09
5760	481921.06	3768969.29	5.733E-09	2.59E-09	0.00E+00	8.32E-09	5.67E-09	3.76E-09	0.00E+00	9.44E-09	1.04E-09	6.41E-10	0.00E+00	1.68E-09	5.82E-10	5.53E-10	0.00E+00	1.13E-09
5761	481911.88	3768972.97	5.72E-09	2.58E-09	0.00E+00	8.30E-09	5.66E-09	3.75E-09	0.00E+00	9.41E-09	1.04E-09	6.39E-10	0.00E+00	1.68E-09	5.80E-10	5.52E-10	0.00E+00	1.13E-09
5762	481902.71	3768976.65	5.708E-09	2.57E-09	0.00E+00	8.28E-09	5.65E-09	3.75E-09	0.00E+00	9.39E-09	1.04E-09	6.38E-10	0.00E+00	1.68E-09	5.79E-10	5.51E-10	0.00E+00	1.13E-09
5763	481893.54	3768980.33	5.691E-09	2.57E-09	0.00E+00	8.26E-09	5.63E-09	3.73E-09	0.00E+00	9.37E-09	1.03E-09	6.36E-10	0.00E+00	1.67E-09	5.77E-10	5.49E-10	0.00E+00	1.13E-09
5764	481884.36	3768984.01	5.67E-09	2.56E-09	0.00E+00	8.23E-09	5.61E-09	3.72E-09	0.00E+00	9.33E-09	1.03E-09	6.34E-10	0.00E+00	1.66E-09	5.75E-10	5.47E-10	0.00E+00	1.12E-09
5765	481875.19	3768987.69	5.649E-09	2.55E-09	0.00E+00	8.20E-09	5.59E-09	3.71E-09	0.00E+00	9.30E-09	1.03E-09	6.31E-10	0.00E+00	1.66E-09	5.73E-10	5.45E-10	0.00E+00	1.12E-09
5766	481866.02	3768991.37	5.632E-09	2.54E-09	0.00E+00	8.17E-09	5.57E-09	3.70E-09	0.00E+00	9.27E-09	1.02E-09	6.29E-10	0.00E+00	1.65E-09	5.71E-10	5.43E-10	0.00E+00	1.11E-09
5767</																		

5836	481345.85	3768316.31	1.688E-07	7.61E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.95E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
5837	481557.23	3768325.9	2.613E-07	1.18E-07	0.00E+00	3.79E-07	2.59E-07	1.71E-07	0.00E+00	4.30E-07	4.75E-08	2.92E-08	0.00E+00	6.76E-08	2.65E-08	2.52E-08	0.00E+00	5.17E-08
5838	481517.05	3768307.19	2.102E-07	9.48E-08	0.00E+00	3.05E-07	2.08E-07	1.38E-07	0.00E+00	3.46E-07	3.82E-08	2.35E-08	0.00E+00	6.17E-08	2.13E-08	2.03E-08	0.00E+00	4.16E-08
5839	481507.55	3768307.15	2.097E-07	9.46E-08	0.00E+00	3.04E-07	2.08E-07	1.38E-07	0.00E+00	3.45E-07	3.81E-08	2.34E-08	0.00E+00	6.15E-08	2.13E-08	2.02E-08	0.00E+00	4.15E-08
5840	481498.04	3768307.11	2.09E-07	9.43E-08	0.00E+00	3.03E-07	2.07E-07	1.37E-07	0.00E+00	3.44E-07	3.80E-08	2.34E-08	0.00E+00	6.13E-08	2.12E-08	2.02E-08	0.00E+00	4.14E-08
5841	481488.53	3768307.07	2.077E-07	9.37E-08	0.00E+00	3.01E-07	2.06E-07	1.36E-07	0.00E+00	3.42E-07	3.77E-08	2.32E-08	0.00E+00	6.10E-08	2.11E-08	2.00E-08	0.00E+00	4.11E-08
5842	481479.02	3768307.03	2.06E-07	9.29E-08	0.00E+00	2.99E-07	2.04E-07	1.35E-07	0.00E+00	3.39E-07	3.74E-08	2.30E-08	0.00E+00	6.04E-08	2.09E-08	1.99E-08	0.00E+00	4.08E-08
5843	481469.51	3768306.99	2.029E-07	9.15E-08	0.00E+00	2.94E-07	2.01E-07	1.33E-07	0.00E+00	3.34E-07	3.69E-08	2.27E-08	0.00E+00	5.95E-08	2.06E-08	1.96E-08	0.00E+00	4.02E-08
5844	481460	3768306.95	1.994E-07	8.99E-08	0.00E+00	2.89E-07	1.97E-07	1.31E-07	0.00E+00	3.28E-07	3.62E-08	2.23E-08	0.00E+00	5.85E-08	2.02E-08	1.92E-08	0.00E+00	3.95E-08
5845	481450.49	3768306.91	1.955E-07	8.82E-08	0.00E+00	2.84E-07	1.93E-07	1.28E-07	0.00E+00	3.22E-07	3.55E-08	2.18E-08	0.00E+00	5.74E-08	1.98E-08	1.89E-08	0.00E+00	3.87E-08
5846	481440.98	3768306.87	1.911E-07	8.62E-08	0.00E+00	2.77E-07	1.89E-07	1.25E-07	0.00E+00	3.15E-07	3.47E-08	2.14E-08	0.00E+00	5.61E-08	1.94E-08	1.84E-08	0.00E+00	3.78E-08
5847	481431.47	3768306.83	1.862E-07	8.40E-08	0.00E+00	2.70E-07	1.84E-07	1.22E-07	0.00E+00	3.06E-07	3.38E-08	2.08E-08	0.00E+00	5.46E-08	1.89E-08	1.80E-08	0.00E+00	3.68E-08
5848	481421.96	3768306.79	1.807E-07	8.15E-08	0.00E+00	2.62E-07	1.79E-07	1.19E-07	0.00E+00	2.97E-07	3.28E-08	2.02E-08	0.00E+00	5.30E-08	1.83E-08	1.74E-08	0.00E+00	3.58E-08
5849	481412.46	3768306.75	1.747E-07	7.88E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.88E-07	3.17E-08	1.95E-08	0.00E+00	5.13E-08	1.77E-08	1.69E-08	0.00E+00	3.46E-08
5850	481402.95	3768306.71	1.684E-07	7.59E-08	0.00E+00	2.44E-07	1.67E-07	1.10E-07	0.00E+00	2.77E-07	3.06E-08	1.88E-08	0.00E+00	4.94E-08	1.71E-08	1.62E-08	0.00E+00	3.33E-08
5851	481393.44	3768306.67	1.617E-07	7.29E-08	0.00E+00	2.35E-07	1.60E-07	1.06E-07	0.00E+00	2.66E-07	2.94E-08	1.81E-08	0.00E+00	4.74E-08	1.64E-08	1.56E-08	0.00E+00	3.20E-08
5852	481383.93	3768306.63	1.547E-07	6.98E-08	0.00E+00	2.24E-07	1.53E-07	1.02E-07	0.00E+00	2.55E-07	2.81E-08	1.73E-08	0.00E+00	4.54E-08	1.57E-08	1.49E-08	0.00E+00	3.06E-08
5853	481374.42	3768306.59	1.479E-07	6.67E-08	0.00E+00	2.15E-07	1.46E-07	9.70E-08	0.00E+00	2.43E-07	2.69E-08	1.65E-08	0.00E+00	4.34E-08	1.50E-08	1.43E-08	0.00E+00	2.93E-08
5854	481364.91	3768306.55	1.416E-07	6.39E-08	0.00E+00	2.05E-07	1.40E-07	9.29E-08	0.00E+00	2.33E-07	2.57E-08	1.58E-08	0.00E+00	4.16E-08	1.44E-08	1.37E-08	0.00E+00	2.80E-08
5855	481355.4	3768306.52	1.364E-07	6.15E-08	0.00E+00	1.98E-07	1.35E-07	8.95E-08	0.00E+00	2.24E-07	2.42E-08	1.52E-08	0.00E+00	4.00E-08	1.38E-08	1.32E-08	0.00E+00	2.70E-08
5856	481345.89	3768306.48	1.323E-07	5.96E-08	0.00E+00	1.92E-07	1.31E-07	8.68E-08	0.00E+00	2.18E-07	2.40E-08	1.48E-08	0.00E+00	3.88E-08	1.34E-08	1.28E-08	0.00E+00	2.62E-08
5857	481552.69	3768308.34	2.036E-07	9.18E-08	0.00E+00	2.95E-07	2.02E-07	1.34E-07	0.00E+00	3.35E-07	3.70E-08	2.28E-08	0.00E+00	5.98E-08	2.07E-08	1.96E-08	0.00E+00	4.03E-08
5858	481564.94	3768320.73	2.322E-07	1.05E-07	0.00E+00	3.37E-07	2.30E-07	1.52E-07	0.00E+00	3.82E-07	4.22E-08	2.60E-08	0.00E+00	6.82E-08	2.36E-08	2.24E-08	0.00E+00	4.60E-08
5859	481517.1	3768297.35	1.769E-07	7.98E-08	0.00E+00	2.57E-07	1.75E-07	1.16E-07	0.00E+00	2.91E-07	1.79E-08	1.31E-08	0.00E+00	5.19E-08	1.79E-08	1.71E-08	0.00E+00	3.50E-08
5860	481507.59	3768297.31	1.756E-07	7.92E-08	0.00E+00	2.55E-07	1.74E-07	1.15E-07	0.00E+00	2.89E-07	3.21E-08	1.96E-08	0.00E+00	5.15E-08	1.78E-08	1.69E-08	0.00E+00	3.48E-08
5861	481498.08	3768297.27	1.741E-07	7.85E-08	0.00E+00	2.53E-07	1.72E-07	1.14E-07	0.00E+00	2.87E-07	3.16E-08	1.95E-08	0.00E+00	5.11E-08	1.77E-08	1.68E-08	0.00E+00	3.45E-08
5862	481488.57	3768297.23	1.721E-07	7.76E-08	0.00E+00	2.50E-07	1.70E-07	1.13E-07	0.00E+00	2.83E-07	3.13E-08	1.92E-08	0.00E+00	5.05E-08	1.75E-08	1.66E-08	0.00E+00	3.41E-08
5863	481479.06	3768297.19	1.697E-07	7.65E-08	0.00E+00	2.46E-07	1.68E-07	1.11E-07	0.00E+00	2.79E-07	3.08E-08	1.90E-08	0.00E+00	4.98E-08	1.72E-08	1.64E-08	0.00E+00	3.36E-08
5864	481469.55	3768297.15	1.662E-07	7.50E-08	0.00E+00	2.41E-07	1.64E-07	1.09E-07	0.00E+00	2.74E-07	3.02E-08	1.86E-08	0.00E+00	4.88E-08	1.69E-08	1.60E-08	0.00E+00	3.29E-08
5865	481460.04	3768297.11	1.623E-07	7.32E-08	0.00E+00	2.36E-07	1.61E-07	1.07E-07	0.00E+00	2.67E-07	2.95E-08	1.81E-08	0.00E+00	4.76E-08	1.65E-08	1.57E-08	0.00E+00	3.21E-08
5866	481450.53	3768297.07	1.581E-07	7.13E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.77E-08	0.00E+00	4.64E-08	1.60E-08	1.53E-08	0.00E+00	3.13E-08
5867	481441.02	3768297.03	1.536E-07	6.93E-08	0.00E+00	2.23E-07	1.52E-07	1.01E-07	0.00E+00	2.53E-07	2.79E-08	1.72E-08	0.00E+00	4.51E-08	1.56E-08	1.48E-08	0.00E+00	3.04E-08
5868	481431.51	3768296.99	1.489E-07	6.71E-08	0.00E+00	2.16E-07	1.47E-07	9.77E-08	0.00E+00	2.45E-07	2.70E-08	1.66E-08	0.00E+00	4.37E-08	1.51E-08	1.44E-08	0.00E+00	2.95E-08
5869	481422.01	3768296.95	1.438E-07	6.49E-08	0.00E+00	2.09E-07	1.42E-07	9.44E-08	0.00E+00	2.37E-07	1.46E-08	1.39E-08	0.00E+00	4.22E-08	1.46E-08	1.39E-08	0.00E+00	2.85E-08
5870	481412.5	3768296.91	1.386E-07	6.25E-08	0.00E+00	2.01E-07	1.37E-07	9.10E-08	0.00E+00	2.28E-07	1.41E-08	1.34E-08	0.00E+00	4.07E-08	1.41E-08	1.34E-08	0.00E+00	2.74E-08
5871	481402.99	3768296.87	1.333E-07	6.01E-08	0.00E+00	1.93E-07	1.32E-07	8.75E-08	0.00E+00	2.19E-07	1.35E-08	1.29E-08	0.00E+00	3.91E-08	1.35E-08	1.29E-08	0.00E+00	2.64E-08
5872	481393.48	3768296.83	1.28E-07	5.77E-08	0.00E+00	1.86E-07	1.27E-07	8.40E-08	0.00E+00	2.11E-07	1.30E-08	1.23E-08	0.00E+00	3.75E-08	1.30E-08	1.23E-08	0.00E+00	2.53E-08
5873	481383.97	3768296.79	1.227E-07	5.53E-08	0.00E+00	1.78E-07	1.21E-07	8.05E-08	0.00E+00	2.02E-07	1.23E-08	1.17E-08	0.00E+00	3.60E-08	1.24E-08	1.18E-08	0.00E+00	2.43E-08
5874	481374.46	3768296.76	1.178E-07	5.31E-08	0.00E+00	1.71E-07	1.17E-07	7.73E-08	0.00E+00	1.94E-07	1.14E-08	1.12E-08	0.00E+00	3.46E-08	1.19E-08	1.14E-08	0.00E+00	2.33E-08
5875	481364.95	3768296.72	1.133E-07	5.11E-08	0.00E+00	1.64E-07	1.12E-07	7.44E-08	0.00E+00	1.87E-07	1.06E-08	1.04E-08	0.00E+00	3.33E-08	1.15E-08	1.09E-08	0.00E+00	2.24E-08
5876	481355.44	3768296.68	1.096E-07	4.94E-08	0.00E+00	1.59E-07	1.08E-07	7.19E-08	0.00E+00	1.80E-07	1.01E-08	1.02E-08	0.00E+00	3.22E-08	1.11E-08	1.06E-08	0.00E+00	2.17E-08
5877	481345.93	3768296.64	1.068E-07	4.81E-08	0.00E+00	1.55E-07	1.06E-07	7.01E-08	0.00E+00	1.76E-07	1.04E-08	1.09E-08	0.00E+00	3.13E-08	1.08E-08	1.03E-08	0.00E+00	2.11E-08
5878	481551.69	3768298.07	1.753E-07	7.91E-08	0.00E+00	2.54E-07	1.73E-07	1.15E-07	0.00E+00	2.89E-07	3.19E-08	1.96E-08	0.00E+00	5.14E-08	1.78E-08	1.69E-08	0.00E+00	3.47E-08
5879	481560.03	3768301.57	1.809E-07	8.16E-08	0.00E+00	2.62E-07	1.79E-07	1.19E-07	0.00E+00	2.98E-07	3.29E-08	2.02E-08	0.00E+00	5.31E-08	1.83E-08	1.74E-08	0.00E+00	3.58E-08
5880	481571.79	3768313.47	2.039E-07	9.20E-08	0.00E+00	2.96E-07	2.02E-07	1.34E-07	0.00E+00	3.36E-07	3.71E-08	2.28E-08	0.00E+00	5.98E-08	2.07E-08	1.97E-08	0.00E+00	4.04E-08
5881	481517.14	3768287.51	1.508E-07	6.80E-08	0.00E+00	2.19E-07	1.49E-07	9.90E-08	0.00E+00	2.48E-07	2.74E-08	1.69E-08	0.00E+00	4.43E-08	1.53E-08	1.45E-08	0.00E+00	2.98E-08
5882	481507.63	3768287.47	1.491E-07	6.72E-08	0.00E+00	2.16E-07	1.48E-07	9.78E-08	0.00E+00	2.45E-07	2.71E-08	1.67E-08	0.00E+00	4.37E-08	1.51E-08	1.44E-08	0.00E+00	2.95E-08
5883	481498.12	3768287.43	1.472E-07	6.64E-08	0.00E+00	2.14E-07	1.46E-07	9.66E-08	0.00E+00	2.42E-07	2.67E-08	1.64E-08	0.00E+00	4.32E-08	1.49E-08	1.42E-08	0.00E+00	2.91E-08
5884	481488.61	3768287.39	1.449E-07	6.54E-08	0.00E+00	2.10E-07	1.43E-07	9.51E-08	0.00E+00	2.38E-07	2.63E-08	1.62E-08	0.00E+00	4.25E-08	1.47E-08	1.40E-08	0.00E+00	2.87E-08
588																		

5954	481479.22	3768257.84	9.034E-08	4.07E-08	0.00E+00	1.31E-07	8.94E-08	5.93E-08	0.00E+00	1.49E-07	1.64E-08	1.01E-08	0.00E+00	2.65E-08	9.16E-09	8.72E-09	0.00E+00	1.79E-08
5955	481469.71	3768257.8	8.756E-08	3.95E-08	0.00E+00	1.27E-07	8.66E-08	5.75E-08	0.00E+00	1.44E-07	1.59E-08	9.79E-09	0.00E+00	2.57E-08	8.88E-09	8.45E-09	0.00E+00	1.73E-08
5956	481460.2	3768257.76	8.467E-08	3.82E-08	0.00E+00	1.23E-07	8.38E-08	5.56E-08	0.00E+00	1.39E-07	1.54E-08	9.46E-09	0.00E+00	2.48E-08	8.59E-09	8.17E-09	0.00E+00	1.68E-08
5957	481450.7	3768257.72	8.17E-08	3.68E-08	0.00E+00	1.19E-07	8.08E-08	5.36E-08	0.00E+00	1.34E-07	1.48E-08	9.13E-09	0.00E+00	2.40E-08	8.29E-09	7.88E-09	0.00E+00	1.62E-08
5958	481441.19	3768257.68	7.872E-08	3.55E-08	0.00E+00	1.14E-07	7.79E-08	5.17E-08	0.00E+00	1.30E-07	1.43E-08	8.80E-09	0.00E+00	2.31E-08	7.98E-09	7.59E-09	0.00E+00	1.56E-08
5959	481431.68	3768257.64	7.575E-08	3.42E-08	0.00E+00	1.10E-07	7.50E-08	4.97E-08	0.00E+00	1.25E-07	1.38E-08	8.47E-09	0.00E+00	2.22E-08	7.68E-09	7.31E-09	0.00E+00	1.50E-08
5960	481422.17	3768257.6	7.283E-08	3.28E-08	0.00E+00	1.06E-07	7.21E-08	4.78E-08	0.00E+00	1.20E-07	1.32E-08	8.14E-09	0.00E+00	2.14E-08	7.39E-09	7.03E-09	0.00E+00	1.44E-08
5961	481412.66	3768257.56	7.001E-08	3.16E-08	0.00E+00	1.02E-07	6.93E-08	4.59E-08	0.00E+00	1.15E-07	1.27E-08	7.83E-09	0.00E+00	2.05E-08	7.10E-09	6.75E-09	0.00E+00	1.39E-08
5962	481403.15	3768257.52	6.734E-08	3.04E-08	0.00E+00	9.77E-08	6.66E-08	4.42E-08	0.00E+00	1.11E-07	1.22E-08	7.53E-09	0.00E+00	1.98E-08	6.83E-09	6.50E-09	0.00E+00	1.33E-08
5963	481393.64	3768257.48	6.485E-08	2.92E-08	0.00E+00	9.41E-08	6.42E-08	4.26E-08	0.00E+00	1.07E-07	1.18E-08	7.25E-09	0.00E+00	1.90E-08	6.58E-09	6.26E-09	0.00E+00	1.28E-08
5964	481384.13	3768257.44	6.255E-08	2.82E-08	0.00E+00	9.08E-08	6.19E-08	4.10E-08	0.00E+00	1.03E-07	1.14E-08	6.99E-09	0.00E+00	1.84E-08	6.35E-09	6.03E-09	0.00E+00	1.24E-08
5965	481374.62	3768257.4	6.049E-08	2.73E-08	0.00E+00	8.78E-08	5.99E-08	3.97E-08	0.00E+00	9.95E-08	1.10E-08	6.76E-09	0.00E+00	1.78E-08	6.14E-09	5.84E-09	0.00E+00	1.20E-08
5966	481365.11	3768257.36	5.867E-08	2.65E-08	0.00E+00	8.51E-08	5.81E-08	3.85E-08	0.00E+00	9.66E-08	1.07E-08	6.56E-09	0.00E+00	1.72E-08	5.95E-09	5.66E-09	0.00E+00	1.16E-08
5967	481355.61	3768257.32	5.713E-08	2.58E-08	0.00E+00	8.29E-08	5.65E-08	3.75E-08	0.00E+00	9.40E-08	1.04E-08	6.38E-09	0.00E+00	1.68E-08	5.79E-09	5.51E-09	0.00E+00	1.13E-08
5968	481346.1	3768257.28	5.585E-08	2.52E-08	0.00E+00	8.10E-08	5.53E-08	3.66E-08	0.00E+00	9.19E-08	1.01E-08	6.24E-09	0.00E+00	1.64E-08	5.66E-09	5.39E-09	0.00E+00	1.11E-08
5969	481336.59	3768257.24	5.478E-08	2.47E-08	0.00E+00	7.95E-08	5.42E-08	3.59E-08	0.00E+00	9.02E-08	9.95E-09	6.12E-09	0.00E+00	1.61E-08	5.56E-09	5.28E-09	0.00E+00	1.08E-08
5970	481552.89	3768259.15	1.046E-07	4.72E-08	0.00E+00	1.52E-07	1.03E-07	6.86E-08	0.00E+00	1.72E-07	1.90E-08	1.17E-08	0.00E+00	3.07E-08	1.06E-08	1.01E-08	0.00E+00	2.07E-08
5971	481561.59	3768262.8	1.094E-07	4.93E-08	0.00E+00	1.59E-07	1.08E-07	7.18E-08	0.00E+00	1.80E-07	1.99E-08	1.22E-08	0.00E+00	3.21E-08	1.11E-08	1.06E-08	0.00E+00	2.16E-08
5972	481570.28	3768266.46	1.138E-07	5.13E-08	0.00E+00	1.65E-07	1.13E-07	7.47E-08	0.00E+00	1.87E-07	2.07E-08	1.27E-08	0.00E+00	3.34E-08	1.15E-08	1.10E-08	0.00E+00	2.25E-08
5973	481578.98	3768270.11	1.18E-07	5.32E-08	0.00E+00	1.71E-07	1.17E-07	7.74E-08	0.00E+00	1.94E-07	2.14E-08	1.32E-08	0.00E+00	3.46E-08	1.20E-08	1.14E-08	0.00E+00	2.33E-08
5974	481587.67	3768273.76	1.216E-07	5.48E-08	0.00E+00	1.76E-07	1.20E-07	7.98E-08	0.00E+00	2.00E-07	2.21E-08	1.36E-08	0.00E+00	3.57E-08	1.23E-08	1.17E-08	0.00E+00	2.41E-08
5975	481599.92	3768286.15	1.355E-07	6.11E-08	0.00E+00	1.97E-07	1.34E-07	8.89E-08	0.00E+00	2.23E-07	2.46E-08	1.51E-08	0.00E+00	3.98E-08	1.37E-08	1.31E-08	0.00E+00	2.68E-08
5976	481603.47	3768294.88	1.467E-07	6.61E-08	0.00E+00	2.13E-07	1.45E-07	9.62E-08	0.00E+00	2.41E-07	2.66E-08	1.64E-08	0.00E+00	4.30E-08	1.49E-08	1.41E-08	0.00E+00	2.90E-08
5977	481607.02	3768303.62	1.579E-07	7.12E-08	0.00E+00	2.29E-07	1.56E-07	1.04E-07	0.00E+00	2.60E-07	2.87E-08	1.77E-08	0.00E+00	4.63E-08	1.60E-08	1.52E-08	0.00E+00	3.13E-08
5978	481610.58	3768312.36	1.69E-07	7.62E-08	0.00E+00	2.45E-07	1.67E-07	1.11E-07	0.00E+00	2.78E-07	3.07E-08	1.89E-08	0.00E+00	4.96E-08	1.71E-08	1.63E-08	0.00E+00	3.34E-08
5979	481614.13	3768321.09	1.795E-07	8.10E-08	0.00E+00	2.60E-07	1.78E-07	1.18E-07	0.00E+00	2.95E-07	3.26E-08	2.01E-08	0.00E+00	5.27E-08	1.82E-08	1.73E-08	0.00E+00	3.55E-08
5980	481517.3	3768248.15	8.718E-08	3.93E-08	0.00E+00	1.26E-07	8.63E-08	5.72E-08	0.00E+00	1.43E-07	1.58E-08	9.74E-09	0.00E+00	2.56E-08	8.84E-09	8.41E-09	0.00E+00	1.73E-08
5981	481507.79	3768248.12	8.53E-08	3.85E-08	0.00E+00	1.24E-07	8.44E-08	5.60E-08	0.00E+00	1.40E-07	1.55E-08	9.53E-09	0.00E+00	2.50E-08	8.65E-09	8.23E-09	0.00E+00	1.69E-08
5982	481498.28	3768248.08	8.339E-08	3.76E-08	0.00E+00	1.21E-07	8.25E-08	5.47E-08	0.00E+00	1.37E-07	1.52E-08	9.32E-09	0.00E+00	2.45E-08	8.46E-09	8.04E-09	0.00E+00	1.65E-08
5983	481488.77	3768248.04	8.134E-08	3.67E-08	0.00E+00	1.18E-07	8.05E-08	5.34E-08	0.00E+00	1.34E-07	1.48E-08	9.09E-09	0.00E+00	2.39E-08	8.25E-09	7.85E-09	0.00E+00	1.61E-08
5984	481479.26	3768248	7.917E-08	3.57E-08	0.00E+00	1.15E-07	7.83E-08	5.19E-08	0.00E+00	1.30E-07	1.44E-08	8.85E-09	0.00E+00	2.32E-08	8.03E-09	7.64E-09	0.00E+00	1.57E-08
5985	481469.75	3768247.96	7.666E-08	3.46E-08	0.00E+00	1.11E-07	7.59E-08	5.03E-08	0.00E+00	1.26E-07	1.39E-08	8.57E-09	0.00E+00	2.25E-08	7.78E-09	7.40E-09	0.00E+00	1.52E-08
5986	481460.25	3768247.92	7.41E-08	3.34E-08	0.00E+00	1.08E-07	7.33E-08	4.86E-08	0.00E+00	1.22E-07	1.35E-08	8.28E-09	0.00E+00	2.17E-08	7.52E-09	7.15E-09	0.00E+00	1.47E-08
5987	481450.74	3768247.88	7.149E-08	3.22E-08	0.00E+00	1.04E-07	7.07E-08	4.69E-08	0.00E+00	1.18E-07	1.30E-08	7.99E-09	0.00E+00	2.10E-08	7.25E-09	6.90E-09	0.00E+00	1.41E-08
5988	481441.23	3768247.84	6.888E-08	3.11E-08	0.00E+00	9.99E-08	6.82E-08	4.52E-08	0.00E+00	1.13E-07	1.25E-08	7.70E-09	0.00E+00	2.02E-08	6.99E-09	6.64E-09	0.00E+00	1.36E-08
5989	481431.72	3768247.8	6.63E-08	2.99E-08	0.00E+00	9.62E-08	6.56E-08	4.35E-08	0.00E+00	1.09E-07	1.20E-08	7.41E-09	0.00E+00	1.95E-08	6.73E-09	6.40E-09	0.00E+00	1.31E-08
5990	481422.21	3768247.76	6.379E-08	2.88E-08	0.00E+00	9.26E-08	6.31E-08	4.19E-08	0.00E+00	1.05E-07	1.16E-08	7.13E-09	0.00E+00	1.87E-08	6.47E-09	6.15E-09	0.00E+00	1.26E-08
5991	481412.7	3768247.72	6.138E-08	2.77E-08	0.00E+00	8.91E-08	6.07E-08	4.03E-08	0.00E+00	1.01E-07	1.12E-08	6.86E-09	0.00E+00	1.80E-08	6.23E-09	5.92E-09	0.00E+00	1.21E-08
5992	481403.19	3768247.68	5.911E-08	2.67E-08	0.00E+00	8.58E-08	5.85E-08	3.88E-08	0.00E+00	9.73E-08	1.07E-08	6.61E-09	0.00E+00	1.73E-08	6.00E-09	5.70E-09	0.00E+00	1.17E-08
5993	481393.68	3768247.64	5.699E-08	2.57E-08	0.00E+00	8.27E-08	5.64E-08	3.74E-08	0.00E+00	9.38E-08	1.04E-08	6.37E-09	0.00E+00	1.67E-08	5.78E-09	5.50E-09	0.00E+00	1.13E-08
5994	481384.17	3768247.6	5.505E-08	2.48E-08	0.00E+00	7.99E-08	5.45E-08	3.61E-08	0.00E+00	9.06E-08	1.00E-08	6.15E-09	0.00E+00	1.62E-08	5.58E-09	5.31E-09	0.00E+00	1.09E-08
5995	481374.66	3768247.56	5.33E-08	2.40E-08	0.00E+00	7.73E-08	5.27E-08	3.50E-08	0.00E+00	8.77E-08	9.68E-09	5.96E-09	0.00E+00	1.56E-08	5.41E-09	5.14E-09	0.00E+00	1.05E-08
5996	481365.16	3768247.52	5.175E-08	2.33E-08	0.00E+00	7.51E-08	5.12E-08	3.40E-08	0.00E+00	8.52E-08	9.40E-09	5.78E-09	0.00E+00	1.52E-08	5.25E-09	4.99E-09	0.00E+00	1.02E-08
5997	481355.65	3768247.48	5.042E-08	2.27E-08	0.00E+00	7.32E-08	4.99E-08	3.31E-08	0.00E+00	8.30E-08	9.16E-09	5.64E-09	0.00E+00	1.48E-08	5.11E-09	4.86E-09	0.00E+00	9.98E-09
5998	481346.14	3768247.44	4.93E-08	2.22E-08	0.00E+00	7.15E-08	4.88E-08	3.24E-08	0.00E+00	8.11E-08	8.96E-09	5.51E-09	0.00E+00	1.45E-08	5.00E-09	4.76E-09	0.00E+00	9.76E-09
5999	481336.63	3768247.4	4.835E-08	2.18E-08	0.00E+00	7.02E-08	4.78E-08	3.17E-08	0.00E+00	7.96E-08	8.79E-09	5.40E-09	0.00E+00	1.42E-08	4.90E-09	4.66E-09	0.00E+00	9.57E-09
6000	481552.36	3768249.07	9.276E-08	4.18E-08	0.00E+00	1.35E-07	9.18E-08	6.09E-08	0.00E+00	1.53E-07	1.69E-08	1.04E-08	0.00E+00	2.72E-08	9.41E-09	8.95E-09	0.00E+00	1.84E-08
6001	481560.86	3768252.64	9.707E-08	4.38E-08	0.00E+00	1.41E-07	9.61E-08	6.37E-08	0.00E+00	1.60E-07	1.76E-08	1.08E-08	0.00E+00	2.85E-08	9.85E-09	9.36E-09	0.00E+00	1.92E-08
6002	481569.36	3768256.21	1.012E-07	4.56E-08	0.00E+00	1.47E-07	1.00E-07	6.64E-08	0.00E+00	1.66E-07	1.84E-08	1.13E-08	0.00E+00	2.97E-08	1.03E-08	9.76E-09	0.00E+00	2.00E-08
6003	481577.																	

7656	481481.24	3767771.39	5.277E-09	2.38E-09	0.00E+00	7.66E-09	5.22E-09	3.46E-09	0.00E+00	8.68E-09	9.59E-10	5.90E-10	0.00E+00	1.55E-09	5.35E-10	5.09E-10	0.00E+00	1.04E-09
7657	481471.73	3767771.35	5.211E-09	2.35E-09	0.00E+00	7.56E-09	5.16E-09	3.42E-09	0.00E+00	8.58E-09	9.47E-10	5.82E-10	0.00E+00	1.53E-09	5.29E-10	5.03E-10	0.00E+00	1.03E-09
7658	481462.23	3767771.31	5.148E-09	2.32E-09	0.00E+00	7.47E-09	5.09E-09	3.38E-09	0.00E+00	8.47E-09	9.35E-10	5.75E-10	0.00E+00	1.51E-09	5.22E-10	4.97E-10	0.00E+00	1.02E-09
7659	481452.72	3767771.27	5.086E-09	2.29E-09	0.00E+00	7.38E-09	5.03E-09	3.34E-09	0.00E+00	8.37E-09	9.24E-10	5.68E-10	0.00E+00	1.49E-09	5.16E-10	4.91E-10	0.00E+00	1.01E-09
7660	481443.21	3767771.23	5.026E-09	2.27E-09	0.00E+00	7.29E-09	4.97E-09	3.30E-09	0.00E+00	8.27E-09	9.13E-10	5.62E-10	0.00E+00	1.47E-09	5.10E-10	4.85E-10	0.00E+00	9.95E-10
7672	481537.64	3767745.25	5.286E-09	2.38E-09	0.00E+00	7.67E-09	5.23E-09	3.47E-09	0.00E+00	8.70E-09	9.61E-10	5.91E-10	0.00E+00	1.55E-09	5.36E-10	5.10E-10	0.00E+00	1.05E-09
7673	481546.37	3767748.92	5.406E-09	2.44E-09	0.00E+00	7.84E-09	5.35E-09	3.55E-09	0.00E+00	8.90E-09	9.82E-10	6.04E-10	0.00E+00	1.59E-09	5.48E-10	5.22E-10	0.00E+00	1.07E-09
7761	481528.91	3767741.59	5.172E-09	2.33E-09	0.00E+00	7.50E-09	5.12E-09	3.39E-09	0.00E+00	8.51E-09	9.40E-10	5.78E-10	0.00E+00	1.52E-09	5.25E-10	4.99E-10	0.00E+00	1.02E-09
7762	481519.4	3767741.55	5.107E-09	2.30E-09	0.00E+00	7.41E-09	5.05E-09	3.35E-09	0.00E+00	8.41E-09	9.28E-10	5.71E-10	0.00E+00	1.50E-09	5.18E-10	4.93E-10	0.00E+00	1.01E-09
7763	481509.9	3767741.51	5.044E-09	2.27E-09	0.00E+00	7.32E-09	4.99E-09	3.31E-09	0.00E+00	8.30E-09	9.16E-10	5.64E-10	0.00E+00	1.48E-09	5.12E-10	4.87E-10	0.00E+00	9.98E-10
7764	481500.39	3767741.47	4.98E-09	2.25E-09	0.00E+00	7.23E-09	4.93E-09	3.27E-09	0.00E+00	8.20E-09	9.05E-10	5.57E-10	0.00E+00	1.46E-09	5.05E-10	4.80E-10	0.00E+00	9.86E-10
7765	481490.88	3767741.43	4.919E-09	2.22E-09	0.00E+00	7.14E-09	4.87E-09	3.23E-09	0.00E+00	8.10E-09	8.94E-10	5.50E-10	0.00E+00	1.44E-09	4.99E-10	4.75E-10	0.00E+00	9.73E-10
7766	481481.37	3767741.39	4.859E-09	2.19E-09	0.00E+00	7.05E-09	4.81E-09	3.19E-09	0.00E+00	8.00E-09	8.83E-10	5.43E-10	0.00E+00	1.43E-09	4.93E-10	4.69E-10	0.00E+00	9.62E-10
7767	481471.86	3767741.35	4.8E-09	2.16E-09	0.00E+00	6.97E-09	4.75E-09	3.15E-09	0.00E+00	7.90E-09	8.72E-10	5.36E-10	0.00E+00	1.41E-09	4.87E-10	4.63E-10	0.00E+00	9.50E-10
7768	481462.35	3767741.31	4.744E-09	2.14E-09	0.00E+00	6.88E-09	4.69E-09	3.11E-09	0.00E+00	7.81E-09	8.62E-10	5.30E-10	0.00E+00	1.39E-09	4.81E-10	4.58E-10	0.00E+00	9.39E-10
7769	481452.84	3767741.27	4.689E-09	2.11E-09	0.00E+00	6.80E-09	4.64E-09	3.08E-09	0.00E+00	7.72E-09	8.52E-10	5.24E-10	0.00E+00	1.38E-09	4.76E-10	4.52E-10	0.00E+00	9.28E-10
7770	481443.33	3767741.23	4.636E-09	2.09E-09	0.00E+00	6.73E-09	4.59E-09	3.04E-09	0.00E+00	7.63E-09	8.42E-10	5.18E-10	0.00E+00	1.36E-09	4.70E-10	4.47E-10	0.00E+00	9.18E-10

ID	X	Y	UnMitigated			T2			T2L3			T4		
			1.64E-01	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	481326.4	3768346	3.07E-02	0.00E+00	0.00E+00	3.04E-02	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00
2	481326.3	3768356	4.24E-02	0.00E+00	0.00E+00	4.20E-02	0.00E+00	0.00E+00	7.71E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00
3	481326.2	3768366	5.49E-02	0.00E+00	0.00E+00	5.44E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00
4	481326.1	3768376	6.70E-02	0.00E+00	0.00E+00	6.63E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00
5	481326	3768385	8.00E-02	0.00E+00	0.00E+00	7.92E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.12E-03	0.00E+00	0.00E+00
6	481325.9	3768395	9.33E-02	0.00E+00	0.00E+00	9.23E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00
7	481325.8	3768405	1.04E-01	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00
8	481325.7	3768415	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
9	481325.6	3768425	1.22E-01	0.00E+00	0.00E+00	1.21E-01	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00
10	481325.5	3768435	1.34E-01	0.00E+00	0.00E+00	1.32E-01	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00
11	481325.4	3768445	1.56E-01	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00
12	481316.4	3768356	3.63E-02	0.00E+00	0.00E+00	3.59E-02	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00
13	481316.3	3768365	4.57E-02	0.00E+00	0.00E+00	4.53E-02	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00
14	481316.2	3768375	5.56E-02	0.00E+00	0.00E+00	5.50E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00
15	481316.1	3768385	6.57E-02	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00
16	481316	3768395	7.56E-02	0.00E+00	0.00E+00	7.48E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	7.67E-03	0.00E+00	0.00E+00
17	481315.9	3768405	8.49E-02	0.00E+00	0.00E+00	8.40E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00
18	481315.8	3768415	9.35E-02	0.00E+00	0.00E+00	9.25E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00
19	481315.7	3768425	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
20	481315.6	3768435	1.15E-01	0.00E+00	0.00E+00	1.14E-01	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00
21	481315.5	3768445	1.40E-01	0.00E+00	0.00E+00	1.39E-01	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00
22	481322.5	3768322	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
23	481306.6	3768355	3.20E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
24	481306.5	3768365	3.96E-02	0.00E+00	0.00E+00	3.92E-02	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00
25	481306.4	3768375	4.77E-02	0.00E+00	0.00E+00	4.72E-02	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00
26	481306.3	3768385	5.59E-02	0.00E+00	0.00E+00	5.53E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00
27	481306.2	3768395	6.41E-02	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00
28	481306.1	3768405	7.22E-02	0.00E+00	0.00E+00	7.14E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.32E-03	0.00E+00	0.00E+00
29	481306	3768415	8.03E-02	0.00E+00	0.00E+00	7.94E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	8.14E-03	0.00E+00	0.00E+00
30	481305.9	3768425	8.95E-02	0.00E+00	0.00E+00	8.85E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	9.08E-03	0.00E+00	0.00E+00
31	481305.8	3768435	1.03E-01	0.00E+00	0.00E+00	1.02E-01	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
32	481305.7	3768445	1.29E-01	0.00E+00	0.00E+00	1.28E-01	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00
33	481305.6	3768325	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
34	481315.5	3768315	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
35	481329.4	3768309	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
36	481296.8	3768355	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
37	481296.7	3768365	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
38	481296.6	3768375	4.18E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00
39	481296.5	3768385	4.87E-02	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	8.86E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00
40	481296.4	3768395	5.58E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
41	481296.3	3768405	6.29E-02	0.00E+00	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	6.38E-03	0.00E+00	0.00E+00
42	481296.2	3768415	7.06E-02	0.00E+00	0.00E+00	6.98E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00
43	481296.1	3768425	7.97E-02	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00
44	481296	3768435	9.33E-02	0.00E+00	0.00E+00	9.23E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	9.46E-03	0.00E+00	0.00E+00
45	481295.9	3768445	1.20E-01	0.00E+00	0.00E+00	1.19E-01	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00
46	481298	3768319	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
47	481310.4	3768307	9.71E-03	0.00E+00	0.00E+00	9.60E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00
48	481319.1	3768304	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
49	481327.7	3768300	8.57E-03	0.00E+00	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00
50	481287	3768345	2.14E-02	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
51	481286.9	3768355	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
52	481286.8	3768365	3.15E-02	0.00E+00	0.00E+00	3.12E-02	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00
53	481286.7	3768375	3.72E-02	0.00E+00	0.00E+00	3.68E-02	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00
54	481286.6	3768385	4.32E-02	0.00E+00	0.00E+00	4.27E-02	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00
55	481286.5	3768395	4.93E-02	0.00E+00	0.00E+00	4.88E-02	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00
56	481286.4	3768405	5.58E-02	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00
57	481286.3	3768415	6.30E-02	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00
58	481286.2	3768425	7.20E-02	0.00E+00	0.00E+00	7.13E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	7.31E-03	0.00E+00	0.00E+00
59	481286.1	3768435	8.57E-02	0.00E+00	0.00E+00	8.48E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.69E-03	0.00E+00	0.00E+00
60	481286	3768445	1.13E-01	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00
61	481291.3	3768312	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
62	481303.1	3768300	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
63														

94	481257.4	3768355	2.07E-02	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
95	481257.3	3768365	2.42E-02	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
96	481257.2	3768375	2.80E-02	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00
97	481257.1	3768385	3.21E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
98	481257	3768395	3.65E-02	0.00E+00	0.00E+00	3.61E-02	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00
99	481256.9	3768405	4.14E-02	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00
100	481256.8	3768415	4.73E-02	0.00E+00	0.00E+00	4.69E-02	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00
101	481256.7	3768425	5.54E-02	0.00E+00	0.00E+00	5.48E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00
102	481256.6	3768434	6.84E-02	0.00E+00	0.00E+00	6.77E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00
103	481256.5	3768444	9.48E-02	0.00E+00	0.00E+00	9.38E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	9.61E-03	0.00E+00	0.00E+00
104	481259	3768318	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
105	481262.8	3768309	9.23E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
106	481266.5	3768301	7.88E-03	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00
107	481270.3	3768292	6.74E-03	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00
108	481283	3768279	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
109	481291.9	3768275	5.23E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00
110	481300.9	3768272	4.98E-03	0.00E+00	0.00E+00	4.93E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00
111	481309.8	3768268	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
112	481318.7	3768265	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
113	481327.7	3768261	4.39E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
114	481247.6	3768355	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
115	481247.5	3768365	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
116	481247.4	3768375	2.59E-02	0.00E+00	0.00E+00	2.56E-02	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
117	481247.3	3768385	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00
118	481247.2	3768395	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
119	481247.1	3768405	3.80E-02	0.00E+00	0.00E+00	3.76E-02	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00
120	481247	3768414	4.35E-02	0.00E+00	0.00E+00	4.31E-02	0.00E+00	0.00E+00	7.91E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
121	481246.9	3768424	5.11E-02	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00
122	481246.8	3768434	6.34E-02	0.00E+00	0.00E+00	6.27E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00
123	481246.7	3768444	8.87E-02	0.00E+00	0.00E+00	8.78E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00
124	481248.8	3768319	1.06E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
125	481252.5	3768310	9.14E-03	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00
126	481256.2	3768302	7.89E-03	0.00E+00	0.00E+00	7.81E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00
127	481259.8	3768293	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
128	481263.5	3768284	5.91E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
129	481275.8	3768272	4.91E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00
130	481284.5	3768269	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
131	481293.2	3768265	4.47E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
132	481301.9	3768262	4.29E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
133	481310.6	3768258	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
134	481319.3	3768254	3.98E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
135	481327.9	3768251	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00
136	481237.7	3768355	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
137	481237.6	3768365	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
138	481237.5	3768375	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
139	481237.4	3768385	2.73E-02	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
140	481237.3	3768394	3.10E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
141	481237.2	3768404	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
142	481237.1	3768414	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
143	481237	3768424	4.70E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00
144	481236.9	3768434	5.82E-02	0.00E+00	0.00E+00	5.76E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00
145	481236.8	3768444	8.19E-02	0.00E+00	0.00E+00	8.10E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	8.31E-03	0.00E+00	0.00E+00
146	481238.8	3768319	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
147	481245.9	3768302	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
148	481249.5	3768294	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
149	481253.1	3768286	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
150	481268.7	3768265	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
151	481277.2	3768262	4.22E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
152	481285.7	3768258	4.05E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00
153	481294.2	3768255	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00
154	481302.7	3768251	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
155	481311.2	3768248	3.63E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
156	481319.7	3768244	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
157	481328.2	3768241	3.42E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00				

191	481235	3768282	5.48E-03	0.00E+00	0.00E+00	5.42E-03	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00
192	481238.8	3768273	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
193	481242.6	3768264	4.23E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
194	481255.5	3768251	3.60E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
195	481264.5	3768247	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
196	481273.5	3768244	3.33E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
197	481282.6	3768240	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
203	481208.2	3768354	1.53E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
204	481208.1	3768364	1.75E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
205	481208	3768374	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
206	481207.9	3768384	2.24E-02	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
207	481207.8	3768394	2.52E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00
208	481207.7	3768404	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
209	481207.6	3768414	3.24E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
210	481207.5	3768424	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
211	481207.4	3768434	4.52E-02	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	8.22E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00
212	481207.3	3768444	5.78E-02	0.00E+00	0.00E+00	5.72E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00
213	481209.7	3768318	9.14E-03	0.00E+00	0.00E+00	9.04E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00
214	481213.4	3768309	8.08E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
215	481217.1	3768300	7.12E-03	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00
216	481220.9	3768292	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00
217	481224.6	3768283	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
218	481228.3	3768274	4.86E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00
219	481232.1	3768265	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
220	481235.8	3768256	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00
221	481248.4	3768244	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
222	481257.2	3768240	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
231	481198.4	3768354	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
232	481198.3	3768364	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
233	481198.2	3768374	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
234	481198.1	3768384	2.12E-02	0.00E+00	0.00E+00	2.09E-02	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00
235	481198	3768394	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
236	481197.9	3768404	2.69E-02	0.00E+00	0.00E+00	2.66E-02	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00
237	481197.8	3768414	3.06E-02	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00
238	481197.7	3768424	3.54E-02	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	6.43E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00
239	481197.6	3768434	4.21E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00
240	481197.5	3768444	5.12E-02	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	5.20E-03	0.00E+00	0.00E+00
241	481199.6	3768318	8.91E-03	0.00E+00	0.00E+00	8.82E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00
242	481203.3	3768310	7.94E-03	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00
243	481207	3768301	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
244	481210.6	3768293	6.23E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
245	481214.3	3768284	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
246	481218	3768275	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
247	481221.6	3768267	4.34E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
248	481225.3	3768258	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
249	481229	3768249	3.47E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00
261	481188.6	3768354	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
262	481188.5	3768364	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
263	481188.4	3768374	1.78E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
264	481188.3	3768384	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
265	481188.2	3768394	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
266	481188.1	3768404	2.55E-02	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00
267	481188	3768414	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00
268	481187.9	3768424	3.34E-02	0.00E+00	0.00E+00	3.31E-02	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00
269	481187.8	3768434	3.91E-02	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00
270	481187.7	3768444	4.60E-02	0.00E+00	0.00E+00	4.55E-02	0.00E+00	0.00E+00	8.36E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00
271	481189.6	3768319	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
272	481193.2	3768310	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
273	481196.8	3768302	6.95E-03	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00
274	481200.5	3768293	6.19E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
275	481204.1	3768285	5.50E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
276	481207.7	3768276	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
277	481211.3	3768268	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
278	481214.9	3768259	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00</				

336	481174.2	3768308	7.25E-03	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00
337	481178	3768300	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
338	481181.7	3768291	5.78E-03	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00
339	481185.5	3768282	5.15E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
340	481189.3	3768273	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
341	481193.1	3768264	4.10E-03	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00
342	481196.8	3768255	3.67E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
343	481200.6	3768246	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
359	481159	3768354	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
360	481158.9	3768364	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
361	481158.8	3768374	1.55E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
362	481158.7	3768384	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
363	481158.6	3768394	1.95E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00
364	481158.5	3768404	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
365	481158.4	3768414	2.47E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
366	481158.3	3768424	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
367	481158.2	3768433	3.13E-02	0.00E+00	0.00E+00	3.10E-02	0.00E+00	0.00E+00	5.69E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00
368	481158.1	3768443	3.51E-02	0.00E+00	0.00E+00	3.47E-02	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00
369	481160.4	3768318	7.88E-03	0.00E+00	0.00E+00	7.80E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00
370	481164.1	3768309	7.11E-03	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00
371	481167.9	3768300	6.39E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
372	481171.6	3768291	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
373	481175.3	3768283	5.13E-03	0.00E+00	0.00E+00	5.08E-03	0.00E+00	0.00E+00	9.33E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00
374	481179	3768274	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00
375	481182.7	3768265	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
376	481186.4	3768256	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
377	481190.1	3768248	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
395	481149.2	3768354	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
396	481149.1	3768364	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
397	481149	3768374	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
398	481148.9	3768384	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
399	481148.8	3768394	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
400	481148.7	3768404	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
401	481148.6	3768413	2.34E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
402	481148.5	3768423	2.62E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
403	481148.4	3768433	2.92E-02	0.00E+00	0.00E+00	2.89E-02	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00
404	481148.3	3768443	3.24E-02	0.00E+00	0.00E+00	3.21E-02	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00
405	481150.5	3768318	7.69E-03	0.00E+00	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00
406	481154.1	3768309	6.96E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00
407	481157.8	3768301	6.29E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
408	481161.4	3768292	5.67E-03	0.00E+00	0.00E+00	5.61E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00
409	481165.1	3768283	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
410	481168.8	3768275	4.59E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
411	481172.4	3768266	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
412	481176.1	3768257	3.72E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
413	481179.8	3768249	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
414	481183.4	3768240	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
433	481145	3768307	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00
434	481148.9	3768298	6.00E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
435	481152.7	3768289	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
436	481156.5	3768280	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
437	481160.4	3768271	4.34E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
438	481164.2	3768262	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
439	481168.1	3768253	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
440	481171.9	3768244	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
459	481146.3	3768281	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00
460	481150.1	3768272	4.34E-03	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00
461	481153.9	3768263	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
462	481157.7	3768254	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
463	481161.5	3768245	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
485	481119.7	3768354	1.07E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
486	481119.6	3768363	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
487	481119.5	3768373	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
488	481119.4	3768383	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E				

569	481099.4	3768413	1.81E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
570	481099.3	3768423	1.98E-02	0.00E+00	0.00E+00	1.96E-02	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00
571	481099.2	3768433	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
572	481099.1	3768443	2.32E-02	0.00E+00	0.00E+00	2.30E-02	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
573	481098	3768325	7.29E-03	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.40E-04	0.00E+00	0.00E+00
574	481101.8	3768316	6.66E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00
575	481105.7	3768307	6.07E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
576	481109.6	3768298	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
577	481113.4	3768289	5.01E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
578	481117.3	3768280	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
579	481121.1	3768271	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
580	481125	3768262	3.72E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
603	481090.2	3768353	9.64E-03	0.00E+00	0.00E+00	9.54E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00
604	481090.1	3768363	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
605	481090	3768373	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
606	481089.9	3768383	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
607	481089.8	3768393	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
608	481089.7	3768403	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
609	481089.6	3768413	1.73E-02	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
610	481089.5	3768423	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
611	481089.4	3768433	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
612	481089.3	3768443	2.19E-02	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00
613	481088.1	3768325	7.12E-03	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00
614	481091.9	3768316	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
615	481095.7	3768307	5.96E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
616	481099.5	3768298	5.43E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
617	481103.3	3768289	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00
618	481107.1	3768280	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
619	481110.9	3768271	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
620	481114.7	3768262	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
621	481118.5	3768253	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
622	481122.3	3768244	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
645	481080.3	3768353	9.35E-03	0.00E+00	0.00E+00	9.25E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00
646	481080.2	3768363	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
647	481080.1	3768373	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
648	481080	3768383	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
649	481079.9	3768393	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
650	481079.8	3768403	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
651	481079.7	3768413	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00
652	481079.6	3768423	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
653	481079.5	3768433	1.94E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
654	481079.4	3768443	2.08E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
655	481078.1	3768325	6.95E-03	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00
656	481081.9	3768316	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00
657	481085.7	3768308	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
658	481089.4	3768299	5.35E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00
659	481093.2	3768290	4.89E-03	0.00E+00	0.00E+00	4.83E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
660	481097	3768281	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
661	481100.7	3768272	4.07E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
662	481104.5	3768263	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
663	481108.3	3768254	3.38E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
664	481112	3768245	3.09E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
665	481115.8	3768237	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
666	481119.6	3768228	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
667	481123.3	3768219	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
689	481070.5	3768353	9.07E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
690	481070.4	3768363	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
691	481070.3	3768373	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
692	481070.2	3768383	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
693	481070.1	3768393	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
694	481070	3768403	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
695	481069.9	3768413	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
696	481069.8	3768423	1.71E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
697	481069.7	3768433	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.34E-03	0.00E+00</				

751	481078	3768279	4.25E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00
752	481081.8	3768270	3.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
753	481085.7	3768261	3.54E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00
754	481089.6	3768252	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
755	481093.4	3768243	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
756	481097.3	3768234	2.70E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
757	481101.1	3768225	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
758	481105	3768215	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
759	481108.9	3768206	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
760	481112.7	3768197	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00
761	481116.6	3768188	1.80E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
785	481050.8	3768353	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
786	481050.7	3768363	9.39E-03	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00
787	481050.6	3768373	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
788	481050.5	3768383	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
789	481050.4	3768393	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
790	481050.3	3768403	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
791	481050.2	3768412	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
792	481050.1	3768422	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
793	481050	3768432	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
794	481049.9	3768442	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
795	481048.7	3768325	6.44E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
796	481052.5	3768316	5.93E-03	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
797	481056.4	3768307	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
798	481060.2	3768298	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
799	481064	3768289	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
800	481067.8	3768280	4.21E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00
801	481071.7	3768271	3.85E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00
802	481075.5	3768262	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
803	481079.3	3768253	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
804	481083.1	3768244	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
805	481087	3768235	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
806	481090.8	3768226	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
807	481094.6	3768217	2.29E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
808	481098.4	3768208	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
809	481102.2	3768199	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
810	481106.1	3768190	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
811	481109.9	3768181	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
837	481041	3768353	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
838	481040.9	3768363	9.10E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
839	481040.8	3768373	9.97E-03	0.00E+00	0.00E+00	9.86E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
840	481040.7	3768383	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
841	481040.6	3768393	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
842	481040.5	3768402	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
843	481040.4	3768412	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
844	481040.3	3768422	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
845	481040.2	3768432	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
846	481040.1	3768442	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
847	481038.8	3768325	6.30E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
848	481042.6	3768316	5.82E-03	0.00E+00	0.00E+00	5.76E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00
849	481046.4	3768307	5.36E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00
850	481050.2	3768298	4.94E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00
851	481054	3768289	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
852	481057.7	3768280	4.17E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00
853	481061.5	3768271	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00
854	481065.3	3768262	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
855	481069.1	3768254	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
856	481072.9	3768245	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
857	481076.7	3768236	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
858	481080.5	3768227	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
859	481084.2	3768218	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
860	481088	3768209	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
861	481091.8	3768200	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
862	481095.6	3768191	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00				

951	481000.7	3768392	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
952	481000.6	3768402	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
953	481000.5	3768412	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
954	481000.4	3768422	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
955	481000.3	3768432	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
956	480978.7	3768324	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
957	480982.5	3768316	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
958	480986.2	3768307	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00
959	480990	3768298	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
960	480993.7	3768289	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
961	480997.5	3768280	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
962	481001.2	3768271	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
963	481005	3768263	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
964	481008.7	3768254	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
965	481012.5	3768245	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
966	481016.2	3768236	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
967	481020	3768227	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
968	481023.7	3768218	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
969	481027.5	3768210	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
970	481031.2	3768201	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
971	481035	3768192	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
972	481038.7	3768183	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
1009	480971.1	3768352	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
1010	480971	3768362	7.36E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
1011	480970.9	3768372	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
1012	480970.8	3768382	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
1013	480970.7	3768392	9.23E-03	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
1014	480970.6	3768402	9.90E-03	0.00E+00	0.00E+00	9.79E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
1015	480970.5	3768412	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
1016	480970.4	3768422	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
1017	480948.8	3768324	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
1018	480952.6	3768315	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
1019	480956.4	3768306	4.45E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
1020	480960.2	3768297	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
1021	480964	3768288	3.87E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00
1022	480967.8	3768279	3.60E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
1023	480971.6	3768270	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
1024	480975.4	3768261	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
1025	480979.2	3768252	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
1026	480983	3768243	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
1027	480986.8	3768234	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
1028	480990.6	3768226	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
1029	480994.4	3768217	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
1030	480998.2	3768208	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
1031	481002	3768199	1.87E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
1032	481005.8	3768190	1.74E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
1033	481009.6	3768181	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
1074	480941.1	3768352	6.27E-03	0.00E+00	0.00E+00	6.21E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
1075	480941	3768362	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
1076	480940.9	3768372	7.29E-03	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00
1077	480940.8	3768382	7.82E-03	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00
1078	480940.7	3768392	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
1079	480940.6	3768401	8.94E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00
1080	480940.5	3768411	9.52E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00
1081	480918.9	3768323	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
1082	480922.8	3768314	4.47E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
1083	480926.6	3768305	4.18E-03	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00
1084	480930.4	3768296	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00
1085	480934.3	3768287	3.65E-03	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00
1086	480938.1	3768278	3.41E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
1087	480941.9	3768269	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
1088	480945.8	3768260	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
1089	480949.6	3768251	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
1090	480953.4	3768242	2.56E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00							

1182	480880.9	3768371	6.16E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
1183	480880.8	3768381	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00
1184	480880.7	3768391	6.98E-03	0.00E+00	0.00E+00	6.91E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00
1185	480880.2	3768441	9.12E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00
1186	480858.9	3768323	4.20E-03	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00
1187	480862.7	3768314	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
1188	480866.5	3768305	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
1189	480870.3	3768296	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
1190	480874.1	3768287	3.31E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00
1191	480877.9	3768278	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
1192	480881.7	3768269	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
1193	480885.5	3768260	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
1194	480889.3	3768251	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
1195	480893.1	3768242	2.41E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
1196	480896.9	3768233	2.26E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
1197	480900.7	3768224	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
1198	480904.5	3768215	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
1199	480908.3	3768207	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
1200	480912.1	3768198	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
1201	480915.9	3768189	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
1202	480919.7	3768180	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
1203	480923.5	3768171	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1204	480927.3	3768162	1.37E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
1205	480931.1	3768153	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
1252	480851.1	3768351	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
1253	480851	3768361	5.35E-03	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00
1254	480850.9	3768371	5.70E-03	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00
1255	480850.8	3768381	6.06E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
1256	480850.7	3768391	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
1257	480850.3	3768430	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00
1258	480850.2	3768440	8.29E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
1259	480828.9	3768323	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00
1260	480832.8	3768313	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
1261	480836.6	3768304	3.53E-03	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
1262	480840.4	3768295	3.33E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00
1263	480844.3	3768286	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
1264	480848.1	3768277	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
1265	480851.9	3768268	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
1266	480855.8	3768259	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00
1267	480859.6	3768250	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
1268	480863.4	3768241	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
1269	480867.3	3768232	2.17E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
1270	480871.1	3768223	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
1271	480874.9	3768214	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
1272	480878.8	3768205	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
1273	480882.6	3768196	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
1274	480886.5	3768187	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
1275	480890.3	3768178	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
1276	480894.1	3768169	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
1277	480898	3768160	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
1278	480901.8	3768151	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
1279	480905.6	3768142	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
1280	480909.5	3768133	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
1281	480913.3	3768124	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
1282	480917.1	3768115	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
1283	480921	3768106	9.74E-04	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00
1325	480821.2	3768351	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
1326	480821.1	3768360	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00
1327	480821	3768370	5.27E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
1328	480820.9	3768380	5.59E-03	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00
1329	480820.5	3768420	6.91E-03	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
1330	480820.4	3768430	7.24E-03	0.00E+00	0.00E+00	7.16E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00
1331	480820.3	3768440	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
1332	480795.1	3768331	3.91E-03	0.00E+00	0.00									

1412	480768.9	3768322	3.51E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
1413	480772.7	3768313	3.34E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
1414	480776.5	3768304	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
1415	480780.3	3768295	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
1416	480784.1	3768286	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
1417	480787.9	3768277	2.70E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
1418	480791.7	3768268	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
1419	480795.5	3768259	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
1420	480799.3	3768250	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
1421	480803.1	3768241	2.16E-03	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
1422	480806.9	3768232	2.04E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
1423	480810.7	3768223	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
1424	480814.5	3768214	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
1425	480818.3	3768205	1.71E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
1426	480822.2	3768196	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
1427	480826	3768188	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
1428	480829.8	3768179	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1429	480833.6	3768170	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
1430	480837.4	3768161	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
1431	480841.2	3768152	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
1432	480845	3768143	1.17E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
1433	480848.8	3768134	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
1434	480852.6	3768125	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
1492	480761.2	3768350	4.09E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
1493	480761.1	3768360	4.33E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00
1494	480761	3768370	4.57E-03	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
1495	480760.9	3768380	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
1496	480760.5	3768420	5.87E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
1497	480760.4	3768429	6.13E-03	0.00E+00	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00
1498	480760.3	3768439	6.39E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
1499	480750.4	3768295	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
1500	480754.3	3768285	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
1501	480758.1	3768276	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
1502	480761.9	3768267	2.44E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
1503	480765.8	3768258	2.31E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
1504	480769.6	3768249	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
1505	480773.4	3768240	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
1506	480777.3	3768231	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
1507	480781.1	3768222	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
1508	480784.9	3768213	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
1509	480788.8	3768204	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
1510	480792.6	3768195	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
1511	480796.4	3768186	1.48E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
1512	480800.3	3768177	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
1513	480804.1	3768168	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
1514	480807.9	3768159	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
1515	480811.8	3768150	1.20E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
1516	480815.6	3768141	1.14E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
1517	480819.4	3768132	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
1579	481335.2	3768435	1.64E-01	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	2.98E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00
1580	481335.2	3768425	1.53E-01	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	2.79E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00
1581	481335.3	3768416	1.45E-01	0.00E+00	0.00E+00	1.43E-01	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00
1582	481335.3	3768406	1.36E-01	0.00E+00	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.47E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00
1583	481335.3	3768396	1.23E-01	0.00E+00	0.00E+00	1.22E-01	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00
1584	481335.3	3768386	1.02E-01	0.00E+00	0.00E+00	1.01E-01	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00
1585	481335.3	3768376	8.58E-02	0.00E+00	0.00E+00	8.49E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00
1586	481335.3	3768366	7.10E-02	0.00E+00	0.00E+00	7.03E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00
1587	481335.3	3768357	5.31E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
1588	481335.4	3768317	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
1589	481335.4	3768288	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
1590	481335.4	3768268	4.93E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
1591	481258.6	3768268	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
1592	481239.4	3768248	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
1651	481123.5	3768453	2.92E-02	0.00E+00	0.									

1684	480961.9	3768406	9.90E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
1685	480980.4	3768363	7.61E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00
1686	480998.9	3768319	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
1687	481034.2	3768293	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
1688	480946.4	3768450	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
1689	480946.2	3768466	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
1690	480952	3768406	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.71E-04	0.00E+00	0.00E+00
1691	480958.2	3768392	8.87E-03	0.00E+00	0.00E+00	8.77E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.99E-04	0.00E+00	0.00E+00
1692	481005.4	3768295	4.41E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
1693	481041.7	3768280	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
1694	480936.5	3768450	1.16E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1695	480936.3	3768466	1.24E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
1696	480951.4	3768385	8.25E-03	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00
1697	480957.5	3768370	7.55E-03	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00
1698	481005.7	3768285	4.02E-03	0.00E+00	0.00E+00	3.98E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00
1699	481042	3768270	3.68E-03	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00
1700	480926.7	3768450	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1701	480926.5	3768466	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
1702	480932.3	3768406	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00
1703	480950.7	3768363	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
1704	480969	3768320	5.15E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
1705	480975.1	3768305	4.59E-03	0.00E+00	0.00E+00	4.54E-03	0.00E+00	0.00E+00	8.34E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
1706	480981.3	3768291	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
1707	481013.3	3768272	3.60E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
1708	481049.4	3768257	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
1709	480916.9	3768450	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1710	480916.7	3768466	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
1711	480925.5	3768399	8.38E-03	0.00E+00	0.00E+00	8.30E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
1712	480931.6	3768385	7.77E-03	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
1713	480984.6	3768274	3.52E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
1714	481020.7	3768259	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
1715	481056.8	3768244	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
1716	480907	3768450	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
1717	480906.8	3768466	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
1718	480921.7	3768385	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00
1719	480927.8	3768370	6.95E-03	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00
1720	480984.9	3768264	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
1721	481021	3768249	2.93E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
1722	481057	3768234	2.64E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
1723	480897.2	3768450	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
1724	480897	3768466	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
1725	480890.5	3768435	9.16E-03	0.00E+00	0.00E+00	9.07E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00
1726	480921	3768363	6.48E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
1727	480939.2	3768320	4.84E-03	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00
1728	480945.3	3768306	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
1729	480951.4	3768291	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
1730	480957.5	3768277	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
1731	480992.4	3768251	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
1732	481028.4	3768236	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
1733	481064.4	3768222	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
1734	480887.4	3768450	9.73E-03	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00
1735	480887.2	3768466	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
1736	480895.9	3768399	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00
1737	480902	3768384	7.12E-03	0.00E+00	0.00E+00	7.04E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00
1738	480932.4	3768313	4.50E-03	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00
1739	480947.6	3768277	3.43E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
1740	480963.9	3768253	2.84E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
1741	480999.8	3768238	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
1742	481035.7	3768223	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
1743	481071.7	3768209	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
1744	480877.5	3768450	9.41E-03	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00
1745	480877.3	3768465	1.00E-02	0.00E+00	0.00E+00	9.93E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
1746	480870.8	3768434	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00
1747	480892.1	3768384	6.92E-03	0.00E+00	0.00E+00	6								

1781	480848	3768449	8.55E-03	0.00E+00	0.00E+00	8.46E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00
1782	480847.8	3768465	9.10E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
1783	480841.3	3768434	7.84E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
1784	480862.5	3768384	6.38E-03	0.00E+00	0.00E+00	6.31E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00
1785	480868.5	3768370	5.93E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00
1786	480943.4	3768222	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00
1787	480979.1	3768207	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
1788	481014.9	3768193	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
1791	480838.2	3768449	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
1792	480838	3768465	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
1793	480811.3	3768434	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
1794	480832.4	3768384	5.88E-03	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00
1795	480838.5	3768370	5.49E-03	0.00E+00	0.00E+00	5.43E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00
1796	480922.3	3768201	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
1797	480958	3768186	1.65E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
1803	480808.2	3768449	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
1804	480808	3768465	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00
1805	480781.4	3768433	6.57E-03	0.00E+00	0.00E+00	6.50E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00
1806	480806.2	3768375	5.21E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
1807	480901.6	3768179	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
1815	480778.2	3768448	6.94E-03	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00
1816	480778	3768464	7.37E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00
1817	480776.1	3768375	4.85E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00
1818	480880.5	3768158	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
1819	480917	3768143	1.21E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
1828	480859.4	3768136	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
1829	480895.8	3768122	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
1830	480932.3	3768107	9.84E-04	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00
1839	480691.4	3768432	5.24E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00
1840	480697.5	3768418	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
1850	480688.2	3768447	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
1851	480688	3768463	5.83E-03	0.00E+00	0.00E+00	5.77E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00
1852	480661.4	3768432	4.89E-03	0.00E+00	0.00E+00	4.84E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00
1853	480667.5	3768417	4.68E-03	0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00
1854	480704.4	3768331	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
1855	480710.5	3768316	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
1856	480716.6	3768302	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
1857	480753.5	3768215	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
1858	480759.6	3768201	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
1859	480765.8	3768186	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
1860	480771.9	3768172	1.33E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00
1861	480778.1	3768157	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
1862	480784.2	3768143	1.13E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00
1879	480658.2	3768447	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
1880	480658	3768463	5.43E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
1881	480631.4	3768431	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00
1882	480637.5	3768417	4.38E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
1883	480674.3	3768330	3.12E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
1884	480680.4	3768316	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
1885	480686.5	3768302	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
1886	480692.7	3768287	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
1887	480698.8	3768273	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
1888	480704.9	3768258	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
1889	480711.1	3768244	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
1890	480717.2	3768230	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
1891	480723.3	3768215	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
1892	480754	3768143	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
1911	480628.2	3768446	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00
1912	480628	3768462	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
1913	480601.3	3768431	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
1914	480607.5	3768417	4.12E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
1915	480644.2	3768330	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
1916	480650.3	3768316	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
1917	480656.4	3768301	2.58E-03	0.00E+00	0.00E+00	2.5								

1996	480584.9	3768328	2.65E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
1997	480591.1	3768313	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
1998	480597.3	3768299	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
1999	480603.5	3768284	2.18E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
2000	480609.7	3768270	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
2001	480615.9	3768255	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
2002	480622.1	3768240	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
2003	480628.3	3768226	1.62E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
2004	480634.5	3768211	1.50E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
2005	480640.8	3768197	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
2006	480647	3768182	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
2007	480653.2	3768167	1.20E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
2008	480659.4	3768153	1.11E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
2016	480709.1	3768036	6.46E-04	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00
2017	480715.3	3768022	6.11E-04	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00
2042	480538.2	3768445	3.99E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00
2043	480538	3768461	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00
2044	481143.4	3768508	4.13E-02	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00
2045	481152.5	3768510	4.43E-02	0.00E+00	0.00E+00	4.38E-02	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00
2046	481161.6	3768513	4.75E-02	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00	8.62E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00
2047	481170.7	3768516	5.07E-02	0.00E+00	0.00E+00	5.02E-02	0.00E+00	0.00E+00	9.22E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00
2048	481179.8	3768519	5.40E-02	0.00E+00	0.00E+00	5.34E-02	0.00E+00	0.00E+00	9.81E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00
2049	481188.9	3768522	5.69E-02	0.00E+00	0.00E+00	5.63E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00
2050	481198	3768524	5.93E-02	0.00E+00	0.00E+00	5.86E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00
2051	481207.1	3768527	6.06E-02	0.00E+00	0.00E+00	5.99E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00
2052	481149.6	3768520	4.22E-02	0.00E+00	0.00E+00	4.17E-02	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00
2053	481158.7	3768523	4.46E-02	0.00E+00	0.00E+00	4.42E-02	0.00E+00	0.00E+00	8.11E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00
2054	481167.8	3768525	4.70E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.54E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00
2055	481176.9	3768528	4.93E-02	0.00E+00	0.00E+00	4.87E-02	0.00E+00	0.00E+00	8.95E-03	0.00E+00	0.00E+00	5.00E-03	0.00E+00	0.00E+00
2056	481186	3768531	5.11E-02	0.00E+00	0.00E+00	5.06E-02	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	5.19E-03	0.00E+00	0.00E+00
2057	481195.1	3768534	5.24E-02	0.00E+00	0.00E+00	5.19E-02	0.00E+00	0.00E+00	9.53E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00
2058	481204.2	3768537	5.31E-02	0.00E+00	0.00E+00	5.25E-02	0.00E+00	0.00E+00	9.64E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00
2059	481122.2	3768519	3.49E-02	0.00E+00	0.00E+00	3.46E-02	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00
2060	481109.5	3768510	3.23E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
2061	481100.8	3768498	3.02E-02	0.00E+00	0.00E+00	2.99E-02	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00
2062	481146.7	3768529	3.99E-02	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00
2063	481155.8	3768532	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
2064	481165	3768535	4.35E-02	0.00E+00	0.00E+00	4.30E-02	0.00E+00	0.00E+00	7.90E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00
2065	481174.1	3768538	4.49E-02	0.00E+00	0.00E+00	4.45E-02	0.00E+00	0.00E+00	8.17E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00
2066	481183.2	3768540	4.61E-02	0.00E+00	0.00E+00	4.56E-02	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00
2067	481192.3	3768543	4.68E-02	0.00E+00	0.00E+00	4.63E-02	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00
2068	481201.4	3768546	4.70E-02	0.00E+00	0.00E+00	4.65E-02	0.00E+00	0.00E+00	8.54E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00
2069	481118.1	3768528	3.35E-02	0.00E+00	0.00E+00	3.32E-02	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00
2070	481110.4	3768522	3.23E-02	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	5.87E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00
2071	481102.8	3768517	3.09E-02	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00
2072	481092.4	3768503	2.88E-02	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00
2073	481089.5	3768494	2.79E-02	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00
2074	481143.9	3768539	3.75E-02	0.00E+00	0.00E+00	3.71E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
2075	481153	3768541	3.89E-02	0.00E+00	0.00E+00	3.85E-02	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	3.94E-03	0.00E+00	0.00E+00
2076	481162.1	3768544	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
2077	481171.2	3768547	4.11E-02	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00
2078	481180.3	3768550	4.17E-02	0.00E+00	0.00E+00	4.13E-02	0.00E+00	0.00E+00	7.58E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00
2079	481189.4	3768553	4.20E-02	0.00E+00	0.00E+00	4.16E-02	0.00E+00	0.00E+00	7.64E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00
2080	481198.5	3768555	4.20E-02	0.00E+00	0.00E+00	4.15E-02	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00
2081	481115.7	3768538	3.22E-02	0.00E+00	0.00E+00	3.19E-02	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00
2082	481101.5	3768527	3.04E-02	0.00E+00	0.00E+00	3.01E-02	0.00E+00	0.00E+00	5.53E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00
2083	481084.6	3768509	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
2084	481079.3	3768492	2.61E-02	0.00E+00	0.00E+00	2.59E-02	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00
2085	481150.1	3768551	3.61E-02	0.00E+00	0.00E+00	3.58E-02	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00
2086	481159.2	3768554	3.70E-02	0.00E+00	0.00E+00	3.66E-02	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	3.75E-03	0.00E+00	0.00E+00
2087	481168.3	3768556	3.75E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
2088	481177.4	3768559	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
2089	481186.5	3768562	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00
2090	481195.6	3768565	3.77E-02	0.00E+00	0.00E+00									

2123	481055.3	3768509	2.36E-02	0.00E+00	0.00E+00	2.34E-02	0.00E+00	0.00E+00	4.29E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00
2124	481049.9	3768492	2.22E-02	0.00E+00	0.00E+00	2.20E-02	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00
2125	481123.3	3768574	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
2126	481141.5	3768579	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
2127	481150.6	3768582	2.90E-02	0.00E+00	0.00E+00	2.87E-02	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00
2128	481159.7	3768585	2.89E-02	0.00E+00	0.00E+00	2.86E-02	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00
2129	481168.9	3768587	2.87E-02	0.00E+00	0.00E+00	2.84E-02	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00
2130	481178	3768590	2.83E-02	0.00E+00	0.00E+00	2.80E-02	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00
2131	481187.1	3768593	2.78E-02	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00
2132	481104.4	3768575	2.62E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
2133	481090.4	3768565	2.60E-02	0.00E+00	0.00E+00	2.58E-02	0.00E+00	0.00E+00	4.73E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00
2134	481076.4	3768555	2.54E-02	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	4.61E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
2135	481062.5	3768546	2.43E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
2136	481052.9	3768532	2.36E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2137	481047.7	3768516	2.29E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.16E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00
2138	481042.5	3768500	2.18E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
2139	481037.2	3768483	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
2140	481120.5	3768583	2.65E-02	0.00E+00	0.00E+00	2.62E-02	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00
2141	481147.8	3768591	2.67E-02	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00
2142	481156.9	3768594	2.65E-02	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00
2143	481166	3768597	2.62E-02	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00
2144	481175.1	3768600	2.58E-02	0.00E+00	0.00E+00	2.55E-02	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00
2145	481184.2	3768602	2.52E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00
2146	481100.9	3768584	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
2147	481093.3	3768579	2.48E-02	0.00E+00	0.00E+00	2.46E-02	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00
2148	481085.6	3768573	2.48E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
2149	481078	3768568	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
2150	481070.4	3768563	2.42E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
2151	481062.8	3768557	2.38E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00
2152	481055.2	3768552	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
2153	481044.7	3768538	2.26E-02	0.00E+00	0.00E+00	2.24E-02	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
2154	481041.9	3768529	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
2155	481039	3768520	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
2156	481036.2	3768511	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
2157	481033.3	3768502	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
2158	481030.5	3768493	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2159	481027.6	3768484	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2160	481108.5	3768590	2.46E-02	0.00E+00	0.00E+00	2.43E-02	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00
2161	481117.6	3768592	2.47E-02	0.00E+00	0.00E+00	2.45E-02	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00
2162	481144.9	3768601	2.46E-02	0.00E+00	0.00E+00	2.44E-02	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00
2163	481154	3768604	2.44E-02	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00
2164	481163.1	3768606	2.40E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
2165	481172.2	3768609	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2166	481181.3	3768612	2.30E-02	0.00E+00	0.00E+00	2.27E-02	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00
2167	481098.3	3768594	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
2168	481083.6	3768583	2.35E-02	0.00E+00	0.00E+00	2.33E-02	0.00E+00	0.00E+00	4.28E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00
2169	481076.3	3768578	2.35E-02	0.00E+00	0.00E+00	2.32E-02	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00
2170	481069	3768573	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00
2171	481061.6	3768568	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
2172	481054.3	3768563	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
2173	481036.9	3768544	2.18E-02	0.00E+00	0.00E+00	2.15E-02	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00
2174	481034.1	3768535	2.16E-02	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00
2175	481028.6	3768518	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
2176	481025.9	3768509	2.04E-02	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00
2177	481020.4	3768492	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
2178	481105.6	3768599	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
2179	481114.7	3768602	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
2180	481123.8	3768605	2.31E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
2181	481142.1	3768610	2.27E-02	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	4.13E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00
2182	481151.2	3768613	2.24E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00
2183	481160.3	3768616	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
2184	481169.4	3768618	2.15E-02	0.00E+00	0.00E+00	2.13E-02	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00
2185	481178.5	3768621	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
2186	481095.7	3768603	2.19E-02	0.00E+00	0.00E+00									

2219	480998.1	3768484	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2220	481099.9	3768618	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2221	481109	3768621	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
2222	481118.1	3768623	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2223	481145.4	3768632	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
2224	481154.5	3768635	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
2225	481163.6	3768637	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
2226	481172.7	3768640	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2227	481089.7	3768622	1.93E-02	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
2228	481082.3	3768617	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
2229	481074.9	3768612	2.00E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2230	481067.5	3768606	2.02E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
2231	481060.1	3768601	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
2232	481052.7	3768596	2.03E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
2233	481045.3	3768591	2.02E-02	0.00E+00	0.00E+00	2.00E-02	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00
2234	481037.9	3768585	2.01E-02	0.00E+00	0.00E+00	1.99E-02	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00
2235	481030.6	3768580	1.99E-02	0.00E+00	0.00E+00	1.97E-02	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00
2236	481013	3768561	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.53E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2237	481010.3	3768552	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2238	481004.7	3768535	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
2239	480999.2	3768518	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
2240	480993.7	3768501	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2241	480988.2	3768483	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2242	481097	3768627	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
2243	481106.2	3768630	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
2244	481115.3	3768633	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
2245	481142.6	3768641	1.74E-02	0.00E+00	0.00E+00	1.73E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
2246	481151.7	3768644	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2247	481160.8	3768647	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
2248	481169.9	3768649	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
2249	481087	3768632	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2250	481072.6	3768621	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
2251	481058.2	3768611	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
2252	481043.8	3768601	1.94E-02	0.00E+00	0.00E+00	1.92E-02	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00
2253	481029.4	3768591	1.92E-02	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	3.50E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00
2254	481015	3768581	1.89E-02	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	3.43E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00
2255	481005.2	3768567	1.87E-02	0.00E+00	0.00E+00	1.85E-02	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00
2256	480999.8	3768550	1.86E-02	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00
2257	480994.4	3768533	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00
2258	480989	3768517	1.75E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00
2259	480983.7	3768500	1.66E-02	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
2260	480978.3	3768483	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
2261	481103.3	3768639	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00
2262	481112.4	3768642	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
2263	481121.5	3768645	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
2264	481148.8	3768653	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
2265	481157.9	3768656	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2266	481167	3768659	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2267	481083.7	3768641	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2268	481076.1	3768635	1.74E-02	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00
2269	481068.5	3768630	1.78E-02	0.00E+00	0.00E+00	1.76E-02	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
2270	481060.8	3768625	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2271	481053.2	3768619	1.83E-02	0.00E+00	0.00E+00	1.81E-02	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
2272	481045.6	3768614	1.84E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
2273	481038	3768608	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
2274	481030.4	3768603	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00
2275	481022.8	3768597	1.85E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
2276	481015.1	3768592	1.83E-02	0.00E+00	0.00E+00	1.82E-02	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00
2277	481007.5	3768587	1.82E-02	0.00E+00	0.00E+00	1.80E-02	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00
2278	480997.1	3768572	1.80E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2279	480994.2	3768563	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2280	480991.4	3768555	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
2281	480988.5	3768546	1.79E-02	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00
2282	480985.7	3768537	1.76E-02	0.00E+00	0.00E+00									

2315	480964.2	3768500	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2316	480958.7	3768483	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2317	481088.5	3768656	1.54E-02	0.00E+00	0.00E+00	1.52E-02	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00
2318	481097.6	3768658	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2319	481106.7	3768661	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2320	481115.8	3768664	1.45E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2321	481143.1	3768672	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2322	481152.2	3768675	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2323	481161.3	3768678	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2324	481078.3	3768660	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2325	481063.8	3768650	1.57E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
2326	481049.3	3768639	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
2327	481034.8	3768629	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2328	481020.3	3768619	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2329	481005.8	3768608	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
2330	480991.3	3768598	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2331	480981.3	3768584	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
2332	480975.9	3768567	1.69E-02	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00
2333	480970.5	3768550	1.67E-02	0.00E+00	0.00E+00	1.65E-02	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00
2334	480965.1	3768534	1.62E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2335	480959.6	3768517	1.56E-02	0.00E+00	0.00E+00	1.54E-02	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00
2336	480954.2	3768500	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2337	480948.8	3768483	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2338	481094.7	3768668	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2339	481103.8	3768671	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2340	481112.9	3768673	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2341	481122	3768676	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2342	481149.3	3768684	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2343	481158.4	3768687	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2344	481075.1	3768669	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2345	481067.5	3768664	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
2346	481059.9	3768658	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2347	481052.3	3768653	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
2348	481044.6	3768647	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
2349	481037	3768642	1.58E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
2350	481029.4	3768637	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2351	481021.8	3768631	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2352	481014.2	3768626	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2353	481006.6	3768620	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
2354	480998.9	3768615	1.63E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00
2355	480991.3	3768609	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2356	480983.7	3768604	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2357	480973.2	3768590	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2358	480970.4	3768581	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2359	480967.5	3768572	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2360	480964.7	3768563	1.63E-02	0.00E+00	0.00E+00	1.61E-02	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00
2361	480961.9	3768554	1.62E-02	0.00E+00	0.00E+00	1.60E-02	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00
2362	480959	3768545	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
2363	480956.2	3768536	1.57E-02	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00
2364	480953.3	3768527	1.54E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
2365	480950.5	3768519	1.51E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2366	480947.6	3768510	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
2367	480944.8	3768501	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2368	480941.9	3768492	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2369	480939.1	3768483	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
2370	481082.7	3768674	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2371	481091.8	3768677	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2372	481100.9	3768680	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2373	481110	3768683	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2374	481119.2	3768685	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2375	481146.5	3768694	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2376	481155.6	3768697	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2377	481072.4	3768679	1.30E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2378	481065	3768673	1.34E-02	0.00E+00	0.00E+									

2411	481040.5	3768667	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2412	481033.2	3768662	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2413	481018.6	3768652	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2414	481011.3	3768647	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2415	480996.7	3768636	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2416	480982.1	3768626	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2417	480967.5	3768615	1.50E-02	0.00E+00	0.00E+00	1.49E-02	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2418	480957.5	3768602	1.51E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00
2419	480952	3768585	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
2420	480946.6	3768568	1.53E-02	0.00E+00	0.00E+00	1.51E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00
2421	480943.8	3768559	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
2422	480938.4	3768542	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2423	480932.9	3768525	1.43E-02	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2424	480927.5	3768508	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2425	480922	3768491	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2426	481077	3768693	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
2427	481086.1	3768696	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
2428	481095.2	3768699	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
2429	481104.3	3768702	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2430	481113.4	3768704	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2431	481122.5	3768707	9.97E-03	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2432	481149.8	3768715	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00
2433	481066.5	3768697	1.14E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
2434	481058.9	3768692	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2435	481051.3	3768686	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2436	481043.7	3768681	1.27E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2437	481036.1	3768676	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2438	481028.4	3768670	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2439	481020.8	3768665	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
2440	481013.2	3768659	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2441	481005.6	3768654	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2442	480998	3768649	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
2443	480990.3	3768643	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2444	480982.7	3768638	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2445	480975.1	3768632	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2446	480967.5	3768627	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2447	480959.9	3768622	1.45E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00
2448	480949.4	3768607	1.46E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2449	480946.6	3768598	1.48E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2450	480943.7	3768589	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2451	480940.9	3768581	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
2452	480938	3768572	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
2453	480935.2	3768563	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
2454	480932.3	3768554	1.46E-02	0.00E+00	0.00E+00	1.44E-02	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00
2455	480929.5	3768545	1.44E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
2456	480926.6	3768536	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
2457	480923.8	3768527	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2458	480921	3768518	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2459	480918.1	3768509	1.32E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2460	480915.3	3768500	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2461	480912.4	3768492	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
2462	480909.6	3768483	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2463	481074.1	3768703	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2464	481083.3	3768705	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
2465	481092.4	3768708	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2466	481101.5	3768711	9.94E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2467	481110.6	3768714	9.59E-03	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00
2468	481119.7	3768716	9.23E-03	0.00E+00	0.00E+00	9.14E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00
2469	481147	3768725	8.09E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
2470	481063.8	3768707	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
2471	481056.3	3768701	1.11E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
2472	481048.9	3768696	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2473	481041.4	3768691	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2474	481033.9	3768686	1.23E-02	0.00E+00	0.00E+00									

2507	481061.1	3768716	9.92E-03	0.00E+00	0.00E+00	9.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2508	481053.7	3768711	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2509	481046.4	3768706	1.08E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2510	481039.1	3768701	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2511	481024.4	3768690	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2512	481017.1	3768685	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2513	481009.7	3768680	1.25E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2514	481002.4	3768675	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
2515	480995.1	3768669	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
2516	480980.4	3768659	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
2517	480973.1	3768654	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2518	480965.7	3768649	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2519	480958.4	3768643	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2520	480943.7	3768633	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2521	480933.6	3768619	1.37E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00
2522	480930.9	3768611	1.38E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
2523	480925.4	3768593	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2524	480922.7	3768585	1.40E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
2525	480917.2	3768568	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
2526	480911.7	3768551	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2527	480906.2	3768533	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2528	480900.8	3768516	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2529	480895.3	3768499	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2530	480892.5	3768491	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
2531	481068.4	3768721	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
2532	481077.5	3768724	9.20E-03	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00
2533	481086.6	3768727	8.90E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00
2534	481095.7	3768730	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
2535	481104.8	3768733	8.27E-03	0.00E+00	0.00E+00	8.18E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00
2536	481113.9	3768735	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00
2537	481057.9	3768725	9.30E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00
2538	481050.3	3768720	9.72E-03	0.00E+00	0.00E+00	9.62E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00
2539	481042.7	3768715	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
2540	481035.1	3768709	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
2541	481027.5	3768704	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2542	481019.8	3768698	1.13E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2543	481012.2	3768693	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
2544	481004.6	3768688	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2545	480997	3768682	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2546	480989.4	3768677	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
2547	480981.8	3768671	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
2548	480974.1	3768666	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2549	480966.5	3768661	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
2550	480958.9	3768655	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2551	480951.3	3768650	1.31E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2552	480943.7	3768644	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2553	480936	3768639	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
2554	480925.6	3768625	1.33E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2555	480922.7	3768616	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2556	480919.9	3768607	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2557	480917.1	3768598	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2558	480914.2	3768589	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
2559	480911.4	3768580	1.36E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2560	480908.5	3768571	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
2561	480905.7	3768562	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
2562	480902.8	3768553	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
2563	480900	3768545	1.30E-02	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00
2564	480897.1	3768536	1.28E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
2565	480894.3	3768527	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
2566	480891.4	3768518	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2567	480888.6	3768509	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2568	480885.8	3768500	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
2569	480882.9	3768491	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2570	480880.1	3768482	1.07E-02	0.00E+00	0.									

2699	480919.2	3768673	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2700	480911.7	3768667	1.15E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2701	480904.2	3768662	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
2702	480893.9	3768648	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
2703	480891.1	3768639	1.19E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2704	480888.3	3768630	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2705	480885.5	3768622	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2706	480882.7	3768613	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2707	480879.9	3768604	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2708	480877.1	3768595	1.22E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
2709	480874.3	3768587	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
2710	480871.5	3768578	1.21E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
2711	480868.7	3768569	1.20E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
2712	480865.9	3768560	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
2713	480863.1	3768552	1.16E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
2714	480860.3	3768543	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
2715	480857.5	3768534	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2716	480854.7	3768525	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2717	480851.9	3768517	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
2718	480849.1	3768508	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2719	480846.3	3768499	1.01E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2720	480843.5	3768490	9.77E-03	0.00E+00	0.00E+00	9.66E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00
2721	480840.7	3768482	9.42E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00
2722	481054.1	3768769	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
2723	481063.2	3768771	6.54E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
2724	481072.3	3768774	6.29E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
2725	481081.4	3768777	6.04E-03	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00
2726	481090.5	3768780	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00
2727	481099.6	3768782	5.53E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00
2728	481108.7	3768785	5.28E-03	0.00E+00	0.00E+00	5.23E-03	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00
2729	481117.8	3768788	5.03E-03	0.00E+00	0.00E+00	4.98E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00
2730	481037.9	3768792	5.87E-03	0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00
2731	481030.3	3768787	6.18E-03	0.00E+00	0.00E+00	6.11E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
2732	481022.8	3768781	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
2733	481015.3	3768776	6.80E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
2734	481007.8	3768771	7.10E-03	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00
2735	481000.3	3768765	7.41E-03	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00
2736	480992.8	3768760	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
2737	480955.2	3768733	9.05E-03	0.00E+00	0.00E+00	8.96E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00
2738	480947.6	3768728	9.28E-03	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00
2739	480940.1	3768723	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00
2740	480932.6	3768717	9.68E-03	0.00E+00	0.00E+00	9.58E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00
2741	480925.1	3768712	9.86E-03	0.00E+00	0.00E+00	9.75E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
2742	480917.6	3768706	1.00E-02	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2743	480910	3768701	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
2744	480902.5	3768696	1.03E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2745	480895	3768690	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2746	480887.5	3768685	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2747	480880	3768680	1.05E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2748	480869.6	3768666	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
2749	480866.8	3768657	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2750	480864	3768648	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2751	480861.2	3768639	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2752	480858.4	3768631	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2753	480855.6	3768622	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2754	480852.8	3768613	1.13E-02	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2755	480850	3768604	1.13E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2756	480847.2	3768595	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00
2757	480844.4	3768587	1.12E-02	0.00E+00	0.00E+00	1.11E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
2758	480841.6	3768578	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
2759	480838.8	3768569	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
2760	480835.9	3768560	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
2761	480833.1	3768552	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
2762	480830.3	3768543	1.05E-02	0.00E+00	0.00E+									

2795	480878.4	3768714	9.32E-03	0.00E+00	0.00E+00	9.22E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00
2796	480870.8	3768708	9.41E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00
2797	480863.3	3768703	9.49E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00
2798	480855.8	3768698	9.55E-03	0.00E+00	0.00E+00	9.45E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.69E-04	0.00E+00	0.00E+00
2799	480845.4	3768683	9.78E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00
2800	480842.6	3768675	9.95E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2801	480839.8	3768666	1.01E-02	0.00E+00	0.00E+00	9.99E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2802	480837	3768657	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2803	480834.2	3768648	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2804	480831.3	3768639	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2805	480828.5	3768631	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2806	480825.7	3768622	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2807	480822.9	3768613	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2808	480820.1	3768604	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
2809	480817.3	3768595	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2810	480814.5	3768587	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
2811	480811.6	3768578	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
2812	480808.8	3768569	1.01E-02	0.00E+00	0.00E+00	9.98E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
2813	480806	3768560	9.94E-03	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
2814	480803.2	3768551	9.77E-03	0.00E+00	0.00E+00	9.67E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.91E-04	0.00E+00	0.00E+00
2815	480800.4	3768543	9.59E-03	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00
2816	480797.6	3768534	9.38E-03	0.00E+00	0.00E+00	9.28E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.52E-04	0.00E+00	0.00E+00
2817	480794.8	3768525	9.16E-03	0.00E+00	0.00E+00	9.06E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00
2818	480791.9	3768516	8.92E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00
2819	480789.1	3768507	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00
2820	480786.3	3768499	8.42E-03	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00
2821	480783.5	3768490	8.15E-03	0.00E+00	0.00E+00	8.06E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00
2822	480780.7	3768481	7.87E-03	0.00E+00	0.00E+00	7.78E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00
2823	481036.7	3768826	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
2824	481045.8	3768829	4.41E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
2825	481054.9	3768831	4.23E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
2826	481064	3768834	4.05E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00
2827	481073.1	3768837	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
2828	481082.2	3768840	3.70E-03	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
2829	481091.3	3768843	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
2830	481100.4	3768845	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
2831	481109.5	3768848	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
2832	481020.4	3768849	4.04E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
2833	481012.8	3768844	4.26E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
2834	481005.3	3768839	4.48E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
2835	480997.7	3768833	4.72E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
2836	480990.2	3768828	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00
2837	480982.6	3768822	5.19E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
2838	480975.1	3768817	5.43E-03	0.00E+00	0.00E+00	5.38E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
2839	480967.5	3768812	5.67E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
2840	480960	3768806	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
2841	480952.4	3768801	6.15E-03	0.00E+00	0.00E+00	6.09E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
2842	480944.9	3768796	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
2843	480937.3	3768790	6.61E-03	0.00E+00	0.00E+00	6.54E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
2844	480929.7	3768785	6.84E-03	0.00E+00	0.00E+00	6.77E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00
2845	480922.2	3768780	7.06E-03	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
2846	480914.6	3768774	7.26E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
2847	480907.1	3768769	7.46E-03	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00
2848	480899.5	3768763	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00
2849	480861.8	3768737	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
2850	480854.2	3768731	8.52E-03	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00
2851	480846.7	3768726	8.61E-03	0.00E+00	0.00E+00	8.52E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00
2852	480839.1	3768721	8.69E-03	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
2853	480831.6	3768715	8.75E-03	0.00E+00	0.00E+00	8.66E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
2854	480821.2	3768701	8.98E-03	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00
2855	480818.4	3768692	9.15E-03	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00
2856	480815.6	3768683	9.29E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00
2857	480812.7	3768675	9.42E-03	0.00E+00	0.00E+00	9.32E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00
2858	480809.9	3768666	9.53E-03	0.00E+00	0.00									

2891	480988.9	3768862	3.96E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
2892	480981.4	3768856	4.16E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00
2893	480973.8	3768851	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
2894	480966.2	3768846	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
2895	480958.7	3768840	4.79E-03	0.00E+00	0.00E+00	4.74E-03	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00
2896	480951.1	3768835	5.00E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
2897	480943.5	3768830	5.22E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
2898	480936	3768824	5.43E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
2899	480928.4	3768819	5.64E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00
2900	480920.8	3768814	5.85E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00
2901	480913.3	3768808	6.06E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
2902	480905.7	3768803	6.26E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00
2903	480898.2	3768797	6.45E-03	0.00E+00	0.00E+00	6.39E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00
2904	480890.6	3768792	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00
2905	480883	3768787	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
2906	480875.5	3768781	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
2907	480867.9	3768776	7.16E-03	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00
2908	480860.3	3768771	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00
2909	480852.8	3768765	7.45E-03	0.00E+00	0.00E+00	7.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00
2910	480845.2	3768760	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
2911	480807.4	3768733	8.05E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
2912	480797	3768719	8.28E-03	0.00E+00	0.00E+00	8.20E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00
2913	480794.2	3768710	8.44E-03	0.00E+00	0.00E+00	8.35E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00
2914	480791.3	3768701	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
2915	480788.5	3768692	8.72E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00
2916	480785.7	3768683	8.83E-03	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00
2917	480782.9	3768675	8.93E-03	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00
2918	480780	3768666	9.01E-03	0.00E+00	0.00E+00	8.91E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00
2919	480777.2	3768657	9.07E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00
2920	480774.4	3768648	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
2921	480771.6	3768639	9.13E-03	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00
2922	480768.7	3768630	9.13E-03	0.00E+00	0.00E+00	9.03E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00
2923	480765.9	3768622	9.11E-03	0.00E+00	0.00E+00	9.02E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
2924	480763.1	3768613	9.07E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00
2925	480760.3	3768604	9.02E-03	0.00E+00	0.00E+00	8.92E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.15E-04	0.00E+00	0.00E+00
2926	480757.4	3768595	8.95E-03	0.00E+00	0.00E+00	8.85E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00
2927	480754.6	3768586	8.85E-03	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00
2928	480751.8	3768577	8.74E-03	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00
2929	481019.2	3768883	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
2930	481028.3	3768886	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
2931	481037.4	3768889	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
2932	481046.5	3768892	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
2933	481055.6	3768894	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
2934	481064.7	3768897	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
2935	481073.8	3768900	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
2936	481082.9	3768903	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
2937	481092	3768905	2.24E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00
2938	481002.9	3768907	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
2939	480995.3	3768901	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00
2940	480987.7	3768896	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
2941	480980.2	3768891	3.34E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
2942	480972.6	3768885	3.51E-03	0.00E+00	0.00E+00	3.48E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
2943	480965	3768880	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00
2944	480957.4	3768874	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
2945	480949.9	3768869	4.06E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00
2946	480942.3	3768864	4.24E-03	0.00E+00	0.00E+00	4.20E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
2947	480934.7	3768858	4.43E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
2948	480927.1	3768853	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00
2949	480919.5	3768847	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
2950	480912	3768842	5.01E-03	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	9.10E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
2951	480904.4	3768837	5.20E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
2952	480896.8	3768831	5.39E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
2953	480889.2	3768826	5.57E-03	0.00E+00	0.00E+00	5.51E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00
2954	480881.7	3768821	5.75E-03	0.00E+00	0.00E+00									

2987	481046.9	3768923	2.28E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
2988	481056	3768926	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
2989	481065.1	3768929	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
2990	481074.2	3768931	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
2991	481083.3	3768934	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
2992	480994.2	3768935	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
2993	480986.6	3768930	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
2994	480979	3768925	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
2995	480971.4	3768919	2.83E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00
2996	480963.8	3768914	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
2997	480956.2	3768908	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
2998	480948.6	3768903	3.29E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
2999	480941	3768898	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
3000	480933.5	3768892	3.61E-03	0.00E+00	0.00E+00	3.57E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00
3001	480925.9	3768887	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
3002	480918.3	3768881	3.95E-03	0.00E+00	0.00E+00	3.91E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00
3003	480910.7	3768876	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
3004	480903.1	3768871	4.29E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
3005	480895.5	3768865	4.46E-03	0.00E+00	0.00E+00	4.42E-03	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00
3006	480887.9	3768860	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
3007	480880.4	3768855	4.81E-03	0.00E+00	0.00E+00	4.76E-03	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
3008	480872.8	3768849	4.98E-03	0.00E+00	0.00E+00	4.92E-03	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00
3009	480865.2	3768844	5.14E-03	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00
3010	480857.6	3768838	5.31E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00
3011	480850	3768833	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
3012	480842.4	3768828	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
3013	480834.8	3768822	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00
3014	480827.2	3768817	5.92E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
3015	480819.7	3768811	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
3016	480812.1	3768806	6.19E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00
3017	480804.5	3768801	6.31E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00
3018	480796.9	3768795	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
3019	480789.3	3768790	6.54E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
3020	480781.7	3768785	6.64E-03	0.00E+00	0.00E+00	6.57E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00
3021	480774.1	3768779	6.73E-03	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
3022	480766.6	3768774	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
3023	480759	3768768	6.88E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00
3024	480708.9	3768630	8.02E-03	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00
3025	480706	3768621	7.98E-03	0.00E+00	0.00E+00	7.89E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00
3026	480703.2	3768612	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00
3027	480700.4	3768604	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
3028	480697.5	3768595	7.77E-03	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
3029	480694.7	3768586	7.67E-03	0.00E+00	0.00E+00	7.59E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00
3030	480691.9	3768577	7.56E-03	0.00E+00	0.00E+00	7.48E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00
3031	480689	3768568	7.44E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00
3032	480686.2	3768559	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00
3033	480683.4	3768550	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
3034	480680.5	3768541	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
3035	480677.7	3768533	6.85E-03	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00
3036	480674.9	3768524	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00
3037	480672	3768515	6.51E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00
3038	480669.2	3768506	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
3039	480666.4	3768497	6.15E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00
3040	480663.5	3768488	5.96E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
3041	480660.7	3768479	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
3042	481001.7	3768941	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
3043	481010.8	3768943	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
3044	481020	3768946	2.12E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
3045	481029.1	3768949	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
3051	480985.4	3768964	2.08E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
3052	480977.8	3768959	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
3053	480970.2	3768953	2.30E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
3054	480962.6	3768948	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
3055	480955	3768942	2.54E-03	0.00E+00	0.00E+00	2.5								

3088	480696	3768683	7.55E-03	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00
3089	480693.1	3768674	7.58E-03	0.00E+00	0.00E+00	7.50E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00
3090	480690.3	3768665	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
3091	480687.5	3768657	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
3092	480684.6	3768648	7.59E-03	0.00E+00	0.00E+00	7.51E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00
3093	480681.8	3768639	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
3094	480678.9	3768630	7.53E-03	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
3095	480676.1	3768621	7.49E-03	0.00E+00	0.00E+00	7.41E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00
3096	480673.3	3768612	7.42E-03	0.00E+00	0.00E+00	7.35E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00
3097	480670.4	3768603	7.35E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00
3098	480667.6	3768594	7.27E-03	0.00E+00	0.00E+00	7.19E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
3099	480664.8	3768586	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
3100	480661.9	3768577	7.06E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
3101	480659.1	3768568	6.94E-03	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00
3102	480656.3	3768559	6.82E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
3103	480653.4	3768550	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
3104	480650.6	3768541	6.53E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
3105	480647.7	3768532	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
3106	480644.9	3768523	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
3107	480642.1	3768515	6.07E-03	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00
3108	480639.2	3768506	5.90E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
3109	480636.4	3768497	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
3110	480633.6	3768488	5.56E-03	0.00E+00	0.00E+00	5.50E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00
3111	480630.7	3768479	5.38E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
3112	480993	3768969	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
3113	481002.1	3768972	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
3114	481011.2	3768975	1.82E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
3115	481020.3	3768978	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
3116	481029.4	3768981	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
3121	480976.7	3768993	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
3122	480969.1	3768987	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
3123	480961.5	3768982	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
3124	480953.9	3768977	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
3125	480946.3	3768971	2.19E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
3126	480938.7	3768966	2.30E-03	0.00E+00	0.00E+00	2.27E-03	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00
3127	480931.1	3768960	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
3128	480923.5	3768955	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
3129	480915.9	3768950	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
3130	480908.2	3768944	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
3131	480900.6	3768939	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
3132	480893	3768933	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
3133	480885.4	3768928	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
3134	480877.8	3768923	3.31E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
3135	480870.2	3768917	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
3136	480862.6	3768912	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
3137	480855	3768906	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
3138	480847.4	3768901	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00
3139	480839.8	3768896	4.01E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00
3140	480832.2	3768890	4.15E-03	0.00E+00	0.00E+00	4.11E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
3141	480824.6	3768885	4.29E-03	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	7.79E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00
3142	480817	3768879	4.43E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
3143	480809.4	3768874	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00
3144	480801.8	3768869	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
3145	480794.2	3768863	4.83E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00
3146	480786.6	3768858	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
3147	480779	3768852	5.08E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
3148	480771.4	3768847	5.20E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
3149	480763.8	3768842	5.31E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
3150	480756.2	3768836	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00
3151	480748.6	3768831	5.52E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00
3152	480741	3768825	5.62E-03	0.00E+00	0.00E+00	5.56E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00
3153	480710.6	3768804	5.94E-03	0.00E+00	0.00E+00	5.88E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00
3154	480700.1	3768790	6.14E-03	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00
3155	480697.3	3768781	6.28E-03	0.00E+00	0.00E+00									

3188	480984.3	3768998	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
3189	480993.4	3769001	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
3190	481002.5	3769004	1.58E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
3191	481011.6	3769006	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
3192	481020.7	3769009	1.46E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
3193	481029.8	3769012	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
3197	480967.9	3769021	1.56E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
3198	480960.3	3769016	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
3199	480952.7	3769011	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
3200	480945.1	3769005	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
3201	480937.5	3769000	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
3202	480929.9	3768994	1.99E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
3203	480922.3	3768989	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
3204	480914.7	3768984	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
3205	480907.1	3768978	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
3206	480899.4	3768973	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
3207	480891.8	3768967	2.51E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
3208	480884.2	3768962	2.62E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
3209	480876.6	3768957	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
3210	480869	3768951	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
3211	480861.4	3768946	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00
3212	480853.8	3768940	3.11E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
3213	480846.2	3768935	3.23E-03	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
3214	480838.6	3768930	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
3215	480831	3768924	3.49E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00
3216	480823.3	3768919	3.62E-03	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
3217	480815.7	3768913	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
3218	480808.1	3768908	3.87E-03	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00
3219	480800.5	3768903	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
3220	480792.9	3768897	4.13E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
3221	480785.3	3768892	4.25E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00
3222	480777.7	3768886	4.37E-03	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
3223	480770.1	3768881	4.49E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
3224	480762.5	3768876	4.61E-03	0.00E+00	0.00E+00	4.56E-03	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00
3225	480754.8	3768870	4.72E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
3226	480747.2	3768865	4.83E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00
3227	480709.2	3768858	5.31E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
3228	480701.6	3768852	5.39E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.80E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
3229	480694	3768847	5.47E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00
3230	480686.3	3768842	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
3231	480675.9	3768837	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
3232	480673.1	3768798	5.86E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00
3233	480670.2	3768789	5.98E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
3234	480667.4	3768781	6.09E-03	0.00E+00	0.00E+00	6.03E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00
3235	480664.5	3768772	6.20E-03	0.00E+00	0.00E+00	6.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00
3236	480661.7	3768763	6.30E-03	0.00E+00	0.00E+00	6.24E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00
3237	480653.2	3768756	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
3238	480650.3	3768747	6.62E-03	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00
3239	480647.5	3768738	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00
3240	480644.6	3768729	6.73E-03	0.00E+00	0.00E+00	6.66E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
3241	480641.8	3768721	6.77E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
3242	480638.9	3768712	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
3243	480636.1	3768703	6.81E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00
3244	480633.3	3768694	6.81E-03	0.00E+00	0.00E+00	6.74E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00
3245	480630.4	3768685	6.80E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00
3246	480627.6	3768676	6.79E-03	0.00E+00	0.00E+00	6.72E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
3247	480624.7	3768667	6.76E-03	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00
3248	480621.9	3768658	6.72E-03	0.00E+00	0.00E+00	6.65E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00
3249	480619	3768649	6.67E-03	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
3250	480616.2	3768640	6.61E-03	0.00E+00	0.00E+00	6.55E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00
3251	480613.4	3768631	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00
3252	480610.5	3768622	6.47E-03	0.00E+00	0.00E+00	6.40E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00
3253	480607.7	3768613	6.38E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00
3254	480604.8	3768604	6.29E-03	0.00E+00	0.00									

3289	480860.2	3768980	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
3290	480852.6	3768974	2.59E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
3291	480845	3768969	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
3292	480837.3	3768964	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
3293	480829.7	3768958	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00
3294	480822.1	3768953	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
3295	480814.5	3768947	3.16E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
3296	480806.9	3768942	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
3297	480799.2	3768937	3.39E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
3298	480791.6	3768931	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
3299	480784	3768926	3.62E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00
3300	480776.4	3768920	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
3301	480768.8	3768915	3.86E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00
3302	480761.2	3768910	3.97E-03	0.00E+00	0.00E+00	3.93E-03	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00
3303	480753.5	3768904	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
3304	480745.9	3768899	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00
3305	480738.3	3768893	4.30E-03	0.00E+00	0.00E+00	4.36E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00
3306	480730.7	3768887	4.41E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
3307	480723.1	3768881	4.52E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
3308	480715.5	3768875	4.63E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
3309	480707.9	3768869	4.74E-03	0.00E+00	0.00E+00	4.80E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00
3310	480700.3	3768863	4.85E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
3311	480692.7	3768857	4.96E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00
3312	480685.1	3768851	5.07E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.30E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00
3313	480677.5	3768845	5.18E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00
3314	480669.9	3768839	5.29E-03	0.00E+00	0.00E+00	5.35E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00
3315	480662.3	3768833	5.40E-03	0.00E+00	0.00E+00	5.46E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00
3316	480654.7	3768827	5.51E-03	0.00E+00	0.00E+00	5.57E-03	0.00E+00	0.00E+00	1.014E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00
3317	480647.1	3768821	5.62E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.035E-03	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00
3318	480639.5	3768815	5.73E-03	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	1.056E-03	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00
3319	480631.9	3768809	5.84E-03	0.00E+00	0.00E+00	5.90E-03	0.00E+00	0.00E+00	1.077E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00
3320	480624.3	3768803	5.95E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.098E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
3321	480616.7	3768797	6.06E-03	0.00E+00	0.00E+00	6.12E-03	0.00E+00	0.00E+00	1.119E-03	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00
3322	480609.1	3768791	6.17E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.140E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00
3323	480601.5	3768785	6.28E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.161E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
3324	480593.9	3768779	6.39E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.182E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
3325	480586.3	3768773	6.50E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.203E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00
3326	480578.7	3768767	6.61E-03	0.00E+00	0.00E+00	6.67E-03	0.00E+00	0.00E+00	1.224E-03	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00
3327	480571.1	3768761	6.72E-03	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00	1.245E-03	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00
3328	480563.5	3768755	6.83E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.266E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00
3329	480555.9	3768749	6.94E-03	0.00E+00	0.00E+00	7.00E-03	0.00E+00	0.00E+00	1.287E-03	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00
3330	480548.3	3768743	7.05E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.308E-03	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00
3331	480540.7	3768737	7.16E-03	0.00E+00	0.00E+00	7.22E-03	0.00E+00	0.00E+00	1.329E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00
3332	480533.1	3768731	7.27E-03	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	1.350E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00
3333	480525.5	3768725	7.38E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.371E-03	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00
3334	480517.9	3768719	7.49E-03	0.00E+00	0.00E+00	7.55E-03	0.00E+00	0.00E+00	1.392E-03	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00
3335	480510.3	3768713	7.60E-03	0.00E+00	0.00E+00	7.66E-03	0.00E+00	0.00E+00	1.413E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00
3336	480502.7	3768707	7.71E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.434E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00
3337	480495.1	3768701	7.82E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.455E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00
3338	480487.5	3768695	7.93E-03	0.00E+00	0.00E+00	7.99E-03	0.00E+00	0.00E+00	1.476E-03	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00
3339	480479.9	3768689	8.04E-03	0.00E+00	0.00E+00	8.10E-03	0.00E+00	0.00E+00	1.497E-03	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00
3340	480472.3	3768683	8.15E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.518E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00
3341	480464.7	3768677	8.26E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.539E-03	0.00E+00	0.00E+00	8.69E-04	0.00E+00	0.00E+00
3342	480457.1	3768671	8.37E-03	0.00E+00	0.00E+00	8.43E-03	0.00E+00	0.00E+00	1.560E-03	0.00E+00	0.00E+00	8.81E-04	0.00E+00	0.00E+00
3343	480449.5	3768665	8.48E-03	0.00E+00	0.00E+00	8.54E-03	0.00E+00	0.00E+00	1.581E-03	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00
3344	480441.9	3768659	8.59E-03	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00	1.602E-03	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00
3345	480434.3	3768653	8.70E-03	0.00E+00	0.00E+00	8.76E-03	0.00E+00	0.00E+00	1.623E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00
3346	480426.7	3768647	8.81E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.644E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00
3347	480419.1	3768641	8.92E-03	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	1.665E-03	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00
3348	480411.5	3768635	9.03E-03	0.00E+00	0.00E+00	9.09E-03	0.00E+00	0.00E+00	1.686E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00
3349	480403.9	3768629	9.14E-03	0.00E+00	0.00E+00	9.20E-03	0.00E+00	0.00E+00	1.707E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00
3350	480396.3	3768623	9.25E-03	0.00E+00	0.00E+00	9.31E-03	0.00E+00	0.00E+00	1.728E-03	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00
3351	480388.7	3768617	9.36E-03	0.00E+00	0.00E+00	9.42E-03	0.00E+00	0.00E+00	1.749E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00
3352	480381.1	37												

3385	481240.4	3768538	5.90E-02	0.00E+00	0.00E+00	5.84E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	5.98E-03	0.00E+00	0.00E+00
3386	481229.7	3768545	5.17E-02	0.00E+00	0.00E+00	5.12E-02	0.00E+00	0.00E+00	9.40E-03	0.00E+00	0.00E+00	5.25E-03	0.00E+00	0.00E+00
3387	481226.8	3768554	4.54E-02	0.00E+00	0.00E+00	4.49E-02	0.00E+00	0.00E+00	8.24E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00
3388	481224	3768564	4.01E-02	0.00E+00	0.00E+00	3.97E-02	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00
3389	481221.1	3768573	3.57E-02	0.00E+00	0.00E+00	3.53E-02	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00
3390	481218.3	3768582	3.18E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00
3391	481215.4	3768592	2.85E-02	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	5.18E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00
3392	481212.5	3768601	2.56E-02	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00
3393	481209.7	3768611	2.30E-02	0.00E+00	0.00E+00	2.28E-02	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00
3394	481206.8	3768620	2.08E-02	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00
3395	481204	3768629	1.88E-02	0.00E+00	0.00E+00	1.86E-02	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00
3396	481201.1	3768639	1.70E-02	0.00E+00	0.00E+00	1.69E-02	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
3397	481198.2	3768648	1.55E-02	0.00E+00	0.00E+00	1.53E-02	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00
3398	481195.4	3768658	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
3399	481192.5	3768667	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
3400	481189.7	3768676	1.17E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
3401	481186.8	3768686	1.07E-02	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00
3402	481183.9	3768695	9.78E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00
3403	481181.1	3768705	8.97E-03	0.00E+00	0.00E+00	8.87E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00
3404	481178.2	3768714	8.23E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00
3405	481175.4	3768724	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
3406	481172.5	3768733	6.97E-03	0.00E+00	0.00E+00	6.90E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00
3407	481169.7	3768743	6.40E-03	0.00E+00	0.00E+00	6.32E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00
3408	481167.1	3768753	5.90E-03	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
3409	481164.5	3768763	5.45E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
3410	481161.9	3768773	5.05E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00
3411	481159.3	3768783	4.70E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00
3412	481156.7	3768793	4.38E-03	0.00E+00	0.00E+00	4.31E-03	0.00E+00	0.00E+00	7.86E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
3413	481154.1	3768803	4.09E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00
3414	481151.5	3768813	3.83E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
3415	481148.9	3768823	3.59E-03	0.00E+00	0.00E+00	3.52E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
3416	481146.3	3768833	3.37E-03	0.00E+00	0.00E+00	3.30E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
3417	481143.7	3768843	3.17E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
3418	481141.1	3768853	2.99E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
3419	481138.5	3768863	2.83E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
3420	481135.9	3768873	2.69E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
3421	481133.3	3768883	2.56E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
3422	481130.7	3768893	2.45E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
3423	481128.1	3768903	2.35E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00
3424	481125.5	3768913	2.26E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
3425	481122.9	3768923	2.18E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
3426	481120.3	3768933	2.11E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
3427	481117.7	3768943	2.05E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
3428	481115.1	3768953	2.00E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	9.20E-05	0.00E+00	0.00E+00
3429	481112.5	3768963	1.95E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00
3430	481110.0	3768973	1.90E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00
3431	481107.4	3768983	1.85E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00
3432	481104.8	3768993	1.80E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00
3433	481102.2	3769003	1.75E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00
3434	481099.6	3769013	1.70E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00
3435	481097.0	3769023	1.65E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00
3436	481094.4	3769033	1.60E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00
3437	481091.8	3769043	1.55E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	1.60E-05	0.00E+00	0.00E+00
3438	481089.2	3769053	1.50E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00
3439	481086.6	3769063	1.45E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	9.00E-06	0.00E+00	0.00E+00
3440	481084.0	3769073	1.40E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.90E-06	0.00E+00	0.00E+00
3441	481081.4	3769083	1.35E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.30E-06	0.00E+00	0.00E+00
3442	481078.8	3769093	1.30E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	9.6E-05	0.00E+00	0.00E+00	4.10E-06	0.00E+00	0.00E+00
3443	481076.2	3769103	1.25E-03	0.00E+00	0.00E+00	9.8E-04	0.00E+00	0.00E+00	8.9E-05	0.00E+00	0.00E+00	3.10E-06	0.00E+00	0.00E+00
3444	481073.6	3769113	1.20E-03	0.00E+00	0.00E+00	9.2E-04	0.00E+00	0.00E+00	8.3E-05	0.00E+00	0.00E+00	2.30E-06	0.00E+00	0.00E+00
3445	481071.0	3769123	1.15E-03	0.00E+00	0.00E+00	8.6E-04	0.00E+00	0.00E+00	7.7E-05	0.00E+00	0.00E+00	1.70E-06	0.00E+00	0.00E+00
3446	481068.4	3769133	1.10E-03	0.00E+00	0.00E+00	8.0E-04	0.00E+00	0.00E+00	7.2E-05	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00
3447	481065.8	3769143	1.05E-03	0.00E+00	0.00E+00	7.4E-04	0.00E+00	0.00E+00	6.7E-05	0.00E+00	0.00E+00	8.90E-07	0.00E+00	0.00E+00
3448	481063.2	3769153	1.00E-03	0.00E+00	0.00E+00									

3494	481262.8	3768574	3.55E-02	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00
3495	481260.3	3768584	3.10E-02	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	5.64E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00
3496	481257.7	3768593	2.73E-02	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	4.96E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00
3497	481255.2	3768603	2.41E-02	0.00E+00	0.00E+00	2.38E-02	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00
3498	481252.6	3768612	2.14E-02	0.00E+00	0.00E+00	2.11E-02	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00
3499	481250.1	3768622	1.90E-02	0.00E+00	0.00E+00	1.88E-02	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
3500	481247.5	3768631	1.69E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00
3501	481245	3768641	1.52E-02	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00
3502	481242.4	3768650	1.36E-02	0.00E+00	0.00E+00	1.35E-02	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00
3503	481239.9	3768660	1.22E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
3504	481237.3	3768669	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
3505	481234.8	3768679	9.98E-03	0.00E+00	0.00E+00	9.87E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
3506	481232.2	3768688	9.04E-03	0.00E+00	0.00E+00	8.94E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00
3507	481229.7	3768698	8.21E-03	0.00E+00	0.00E+00	8.13E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00
3508	481227.1	3768707	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
3509	481224.6	3768717	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
3510	481222	3768726	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
3511	481212.8	3768734	5.98E-03	0.00E+00	0.00E+00	5.92E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00
3512	481205.1	3768763	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00
3513	481202.6	3768772	4.32E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00
3514	481200	3768782	4.00E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
3515	481197.5	3768791	3.71E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
3516	481194.9	3768801	3.46E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00
3517	481192.4	3768810	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
3518	481184.6	3768839	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
3519	481170.1	3768866	2.27E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
3520	481183.5	3768870	2.11E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
3521	481169	3768897	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
3522	481154.6	3768924	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
3523	481167.9	3768928	1.53E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00
3524	481146.8	3768953	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
3525	481160.2	3768957	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
3526	481139	3768982	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
3527	481152.4	3768986	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
3528	481144.6	3769015	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
3529	481278.5	3768557	4.62E-02	0.00E+00	0.00E+00	4.58E-02	0.00E+00	0.00E+00	8.40E-03	0.00E+00	0.00E+00	4.69E-03	0.00E+00	0.00E+00
3530	481276.9	3768567	3.95E-02	0.00E+00	0.00E+00	3.91E-02	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00
3531	481275.3	3768577	3.40E-02	0.00E+00	0.00E+00	3.37E-02	0.00E+00	0.00E+00	6.18E-03	0.00E+00	0.00E+00	3.45E-03	0.00E+00	0.00E+00
3532	481273.7	3768586	2.95E-02	0.00E+00	0.00E+00	2.92E-02	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00
3533	481272.1	3768596	2.57E-02	0.00E+00	0.00E+00	2.54E-02	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
3534	481270.5	3768606	2.25E-02	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00
3535	481262.3	3768615	2.04E-02	0.00E+00	0.00E+00	2.01E-02	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00
3536	481275.6	3768617	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00
3537	481260.7	3768624	1.80E-02	0.00E+00	0.00E+00	1.78E-02	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00
3538	481274	3768626	1.68E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
3539	481259.1	3768634	1.59E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3540	481272.4	3768636	1.48E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00
3541	481257.5	3768644	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
3542	481270.9	3768646	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3543	481251.4	3768652	1.29E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3544	481262.6	3768654	1.21E-02	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00
3545	481249.5	3768662	1.16E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00
3546	481261	3768664	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
3547	481247.6	3768672	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
3548	481259.4	3768674	9.65E-03	0.00E+00	0.00E+00	9.55E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00
3549	481245.7	3768681	9.33E-03	0.00E+00	0.00E+00	9.23E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.46E-04	0.00E+00	0.00E+00
3550	481257.8	3768684	8.65E-03	0.00E+00	0.00E+00	8.56E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00
3551	481243.8	3768691	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
3552	481256.2	3768693	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
3553	481241.9	3768701	7.60E-03	0.00E+00	0.00E+00	7.53E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
3554	481254.6	3768703	7.02E-03	0.00E+00	0.00E+00	6.94E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00
3555	481239.9	3768710	6.89E-03	0.00E+00	0.00E+00	6.82E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00
3556	481253	3768713	6.34E-03	0.00E+00	0.00E+00	6.28E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00
3557	481239.7	3768720	6.20E-03	0.00E+00	0.00E+00									

3590	481182.2	3768900	1.73E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
3591	481221	3768908	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00
3592	481203.5	3768936	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
3593	481191.7	3768933	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
3594	481179.8	3768930	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
3595	481216.1	3768938	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
3596	481198.3	3768965	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
3597	481185.6	3768962	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
3598	481172.9	3768960	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
3599	481211.3	3768968	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
3600	481193.8	3768995	1.00E-03	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
3601	481182	3768992	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
3602	481170.1	3768990	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
3603	481206.4	3768997	9.66E-04	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.80E-05	0.00E+00	0.00E+00
3604	481176	3769022	9.29E-04	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00
3605	481163.5	3769019	9.67E-04	0.00E+00	0.00E+00	9.57E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00
3606	481191.9	3769086	7.01E-04	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00
3607	481173.8	3769113	6.58E-04	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00
3608	481160.7	3769110	6.79E-04	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00
3609	481147.5	3769107	7.01E-04	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	7.11E-05	0.00E+00	0.00E+00
3610	481134.4	3769105	7.26E-04	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00
3611	481187	3769116	6.38E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
3612	481294.7	3768560	4.44E-02	0.00E+00	0.00E+00	4.39E-02	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00
3613	481303.6	3768561	4.32E-02	0.00E+00	0.00E+00	4.28E-02	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00
3614	481293.3	3768570	3.76E-02	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	3.81E-03	0.00E+00	0.00E+00
3615	481291.9	3768579	3.21E-02	0.00E+00	0.00E+00	3.17E-02	0.00E+00	0.00E+00	5.83E-03	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00
3616	481290.4	3768589	2.76E-02	0.00E+00	0.00E+00	2.73E-02	0.00E+00	0.00E+00	5.01E-03	0.00E+00	0.00E+00	2.80E-03	0.00E+00	0.00E+00
3617	481289	3768599	2.39E-02	0.00E+00	0.00E+00	2.36E-02	0.00E+00	0.00E+00	4.33E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00
3618	481287.6	3768609	2.07E-02	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00
3619	481286.2	3768618	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
3620	481284.7	3768628	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3621	481283.3	3768638	1.39E-02	0.00E+00	0.00E+00	1.38E-02	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3622	481281.9	3768647	1.23E-02	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00
3623	481271.6	3768656	1.15E-02	0.00E+00	0.00E+00	1.14E-02	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3624	481289.3	3768658	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3625	481270.1	3768666	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
3626	481279	3768667	9.67E-03	0.00E+00	0.00E+00	9.57E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00
3627	481268.7	3768675	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
3628	481277.6	3768677	8.62E-03	0.00E+00	0.00E+00	8.53E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00
3629	481267.3	3768685	8.15E-03	0.00E+00	0.00E+00	8.07E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00
3630	481276.2	3768686	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
3631	481265.9	3768695	7.32E-03	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00
3632	481274.8	3768696	6.92E-03	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00
3633	481264.4	3768705	6.59E-03	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00
3634	481282.2	3768707	5.88E-03	0.00E+00	0.00E+00	5.82E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00
3635	481263	3768714	5.96E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
3636	481280.8	3768717	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
3637	481261.6	3768724	5.40E-03	0.00E+00	0.00E+00	5.34E-03	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00
3638	481279.4	3768727	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
3639	481260.2	3768734	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
3640	481257.3	3768753	4.09E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
3641	481275.1	3768756	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
3642	481255.9	3768763	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
3643	481273.7	3768766	3.37E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
3644	481254.5	3768773	3.45E-03	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
3645	481272.2	3768775	3.11E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
3646	481253	3768782	3.18E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
3647	481270.8	3768785	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
3648	481251.6	3768792	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
3649	481269.4	3768795	2.67E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
3650	481250.2	3768802	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
3651	481268	3768805	2.48E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
3652	481248.8	3768812	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
3653	481266.5	3768814	2.31E-03	0.00E+00	0.00E+00	2								

3686	481314.3	3768631	1.34E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
3687	481298.7	3768640	1.27E-02	0.00E+00	0.00E+00	1.26E-02	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00
3688	481313.4	3768641	1.17E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00
3689	481297.9	3768650	1.12E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
3690	481312.6	3768651	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
3691	481304.3	3768660	9.39E-03	0.00E+00	0.00E+00	9.29E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00
3692	481292	3768669	8.91E-03	0.00E+00	0.00E+00	8.81E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00
3693	481303.4	3768670	8.29E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00
3694	481290.8	3768678	7.92E-03	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00
3695	481302.6	3768680	7.36E-03	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00
3696	481289.7	3768688	7.07E-03	0.00E+00	0.00E+00	6.99E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00
3697	481301.7	3768689	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
3698	481288.5	3768698	6.33E-03	0.00E+00	0.00E+00	6.27E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
3699	481300.8	3768699	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
3700	481292.6	3768708	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00
3701	481307.3	3768710	5.03E-03	0.00E+00	0.00E+00	4.97E-03	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00
3702	481291.7	3768718	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
3703	481306.4	3768720	4.54E-03	0.00E+00	0.00E+00	4.49E-03	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
3704	481290.8	3768728	4.49E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
3705	481305.5	3768729	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
3706	481288.2	3768757	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
3707	481302.9	3768759	3.13E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
3708	481287.3	3768767	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
3709	481302	3768769	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
3710	481286.4	3768777	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
3711	481301.1	3768778	2.66E-03	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
3712	481280.6	3768786	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
3713	481292.9	3768787	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
3714	481279.6	3768796	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
3715	481292	3768797	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
3716	481278.5	3768806	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
3717	481291.1	3768807	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
3718	481277.4	3768816	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
3719	481290.3	3768817	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
3720	481276.4	3768825	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
3721	481289.4	3768827	1.94E-03	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
3722	481273.1	3768855	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
3723	481286.7	3768857	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
3724	481269.9	3768885	1.43E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
3725	481284	3768886	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
3726	481266.7	3768915	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
3727	481281.3	3768916	1.18E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
3728	481265.4	3768945	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
3729	481253.6	3768943	1.11E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
3730	481278.7	3768946	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
3731	481262.3	3768975	9.42E-04	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00
3732	481276	3768976	9.10E-04	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	9.23E-05	0.00E+00	0.00E+00
3733	481254.5	3769064	6.80E-04	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00
3734	481267.9	3769066	6.62E-04	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00
3735	481251.5	3769094	6.19E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00
3736	481238.8	3769093	6.34E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.43E-05	0.00E+00	0.00E+00
3737	481265.2	3769096	6.04E-04	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00
3738	481248.5	3769124	5.67E-04	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00
3739	481235.1	3769122	5.80E-04	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00
3740	481262.6	3769125	5.53E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00
3741	481323.2	3768563	4.09E-02	0.00E+00	0.00E+00	4.05E-02	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00
3742	481336.7	3768563	3.97E-02	0.00E+00	0.00E+00	3.93E-02	0.00E+00	0.00E+00	7.21E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00
3743	481329.8	3768573	3.33E-02	0.00E+00	0.00E+00	3.29E-02	0.00E+00	0.00E+00	6.04E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00
3744	481343.3	3768573	3.18E-02	0.00E+00	0.00E+00	3.15E-02	0.00E+00	0.00E+00	5.79E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00
3745	481329.6	3768583	2.77E-02	0.00E+00	0.00E+00	2.74E-02	0.00E+00	0.00E+00	5.04E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
3746	481343.1	3768583	2.63E-02	0.00E+00	0.00E+00	2.61E-02	0.00E+00	0.00E+00	4.79E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00
3747	481329.4	3768593	2.33E-02	0.00E+00	0.00E+00	2.31E-02	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00
3748	481342.9	3768593	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00
3749	481329.2	3768602	1.97E-02	0.00E+00	0.00E+									

3782	481326.8	3768730	3.65E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00
3783	481340.3	3768730	3.40E-03	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
3784	481313.9	3768759	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
3785	481326.2	3768760	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
3786	481339.7	3768760	2.62E-03	0.00E+00	0.00E+00	2.59E-03	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00
3787	481313.5	3768769	2.72E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
3788	481326	3768770	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
3789	481339.5	3768770	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
3790	481313.1	3768779	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
3791	481325.8	3768779	2.38E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00
3792	481339.3	3768780	2.24E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
3793	481312.7	3768789	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
3794	481325.6	3768789	2.21E-03	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
3795	481339.1	3768790	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
3796	481312.3	3768799	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
3797	481325.4	3768799	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
3798	481339	3768799	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
3799	481311.8	3768808	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
3800	481325.3	3768809	1.92E-03	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00
3801	481338.8	3768809	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
3802	481313.1	3768818	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
3803	481302.8	3768818	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
3804	481325.1	3768819	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
3805	481338.6	3768819	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
3806	481312.8	3768828	1.76E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00
3807	481302.1	3768828	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
3808	481324.9	3768829	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
3809	481338.4	3768829	1.62E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
3810	481311.7	3768858	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
3811	481299.9	3768858	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
3812	481324.3	3768859	1.42E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
3813	481337.8	3768859	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
3814	481310.6	3768888	1.26E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00
3815	481297.8	3768887	1.31E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
3816	481323.7	3768889	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
3817	481337.2	3768889	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
3818	481310.9	3768918	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
3819	481299.8	3768918	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
3820	481323.1	3768919	1.06E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
3821	481336.7	3768919	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
3822	481309.9	3768948	9.54E-04	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00
3823	481297.9	3768947	9.81E-04	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00
3824	481322.6	3768949	9.28E-04	0.00E+00	0.00E+00	9.18E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00
3825	481336.1	3768949	9.03E-04	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00
3826	481296.1	3768977	8.69E-04	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00
3827	481320.8	3769039	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00
3828	481334.3	3769039	6.53E-04	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00
3829	481307.1	3769068	6.19E-04	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00
3830	481294.4	3769067	6.32E-04	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00
3831	481281.7	3769067	6.46E-04	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00
3832	481320.3	3769069	6.07E-04	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00
3833	481333.8	3769069	5.95E-04	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00
3834	481306.2	3769098	5.65E-04	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00
3835	481292.8	3769097	5.77E-04	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	5.86E-05	0.00E+00	0.00E+00
3836	481279.3	3769097	5.90E-04	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00
3837	481319.7	3769099	5.54E-04	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00
3838	481333.2	3769099	5.43E-04	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00
3839	481306.3	3769128	5.18E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
3840	481294.2	3769127	5.27E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	9.58E-05	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00
3841	481282	3769127	5.37E-04	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00
3842	481319.1	3769129	5.09E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00
3843	481332.6	3769129	4.99E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00
3844	481353.3	3768563	3.79E-02	0.00E+00	0.00E+00	3.75E-02	0.00E+00	0.00E+00	6.88E-03	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00
3845	481362.8	3768564	3.67E-02	0.00E+00	0.									

3878	481495.9	3768575	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
3879	481505.4	3768575	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
3880	481514.9	3768575	9.88E-03	0.00E+00	0.00E+00	9.78E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00
3881	481524.5	3768575	9.48E-03	0.00E+00	0.00E+00	9.39E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	9.62E-04	0.00E+00	0.00E+00
3882	481353	3768583	2.53E-02	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00
3883	481362.5	3768583	2.43E-02	0.00E+00	0.00E+00	2.40E-02	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00
3884	481372.1	3768583	2.32E-02	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00
3885	481381.6	3768583	2.20E-02	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	4.01E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00
3886	481391.1	3768584	2.09E-02	0.00E+00	0.00E+00	2.07E-02	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00
3887	481400.6	3768584	1.97E-02	0.00E+00	0.00E+00	1.95E-02	0.00E+00	0.00E+00	3.58E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00
3888	481410.1	3768584	1.84E-02	0.00E+00	0.00E+00	1.83E-02	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00
3889	481419.6	3768584	1.72E-02	0.00E+00	0.00E+00	1.70E-02	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00
3890	481429.2	3768584	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
3891	481438.7	3768584	1.47E-02	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
3892	481448.2	3768584	1.35E-02	0.00E+00	0.00E+00	1.34E-02	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
3893	481457.7	3768584	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
3894	481467.2	3768585	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00
3895	481476.8	3768585	1.05E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
3896	481486.3	3768585	9.73E-03	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00
3897	481495.8	3768585	9.15E-03	0.00E+00	0.00E+00	9.05E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00
3898	481505.3	3768585	8.70E-03	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00
3899	481514.8	3768585	8.35E-03	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00
3900	481524.3	3768585	8.06E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
3901	481352.9	3768593	2.10E-02	0.00E+00	0.00E+00	2.08E-02	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00
3902	481362.4	3768593	2.00E-02	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00
3903	481371.9	3768593	1.91E-02	0.00E+00	0.00E+00	1.89E-02	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00
3904	481381.5	3768593	1.81E-02	0.00E+00	0.00E+00	1.79E-02	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00
3905	481391	3768593	1.70E-02	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00
3906	481400.5	3768594	1.60E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00
3907	481410	3768594	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
3908	481419.5	3768594	1.39E-02	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00
3909	481429	3768594	1.29E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00
3910	481438.6	3768594	1.19E-02	0.00E+00	0.00E+00	1.18E-02	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00
3911	481448.1	3768594	1.10E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00
3912	481457.6	3768594	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
3913	481467.1	3768594	9.35E-03	0.00E+00	0.00E+00	9.25E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00
3914	481476.6	3768594	8.70E-03	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00
3915	481486.1	3768595	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
3916	481495.7	3768595	7.76E-03	0.00E+00	0.00E+00	7.68E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00
3917	481505.2	3768595	7.43E-03	0.00E+00	0.00E+00	7.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00
3918	481514.7	3768595	7.17E-03	0.00E+00	0.00E+00	7.09E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00
3919	481524.2	3768595	6.94E-03	0.00E+00	0.00E+00	6.87E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00
3920	481352.8	3768603	1.76E-02	0.00E+00	0.00E+00	1.74E-02	0.00E+00	0.00E+00	3.20E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00
3921	481362.3	3768603	1.67E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00
3922	481371.8	3768603	1.58E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00
3923	481381.3	3768603	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00
3924	481390.8	3768603	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
3925	481400.4	3768603	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
3926	481409.9	3768603	1.23E-02	0.00E+00	0.00E+00	1.21E-02	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00
3927	481419.4	3768604	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
3928	481428.9	3768604	1.06E-02	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00
3929	481438.4	3768604	9.79E-03	0.00E+00	0.00E+00	9.68E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00
3930	481447.9	3768604	9.06E-03	0.00E+00	0.00E+00	8.97E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00
3931	481457.5	3768604	8.41E-03	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00
3932	481467	3768604	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
3933	481476.5	3768604	7.37E-03	0.00E+00	0.00E+00	7.30E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00
3934	481486	3768604	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
3935	481495.5	3768605	6.68E-03	0.00E+00	0.00E+00	6.61E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00
3936	481505.1	3768605	6.43E-03	0.00E+00	0.00E+00	6.37E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00
3937	481514.6	3768605	6.23E-03	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00
3938	481524.1	3768605	6.04E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
3939	481352.7	3768613	1.49E-02	0.00E+00	0.00E+00	1.47E-02	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
3940	481362.2	3768613	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
3941	481371.7	3768613	1.33E-02	0.00E+00	0.00E+00									

3974	481504.8	3768624	4.97E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00
3975	481514.3	3768624	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
3976	481523.8	3768625	4.69E-03	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
3977	481352.4	3768632	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
3978	481361.9	3768632	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
3979	481371.4	3768632	9.58E-03	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00
3980	481381	3768633	8.99E-03	0.00E+00	0.00E+00	8.90E-03	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	9.12E-04	0.00E+00	0.00E+00
3981	481390.5	3768633	8.42E-03	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00
3982	481400	3768633	7.87E-03	0.00E+00	0.00E+00	7.79E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00
3983	481409.5	3768633	7.36E-03	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00
3984	481419	3768633	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00
3985	481428.5	3768633	6.43E-03	0.00E+00	0.00E+00	6.36E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00
3986	481438.1	3768633	6.03E-03	0.00E+00	0.00E+00	5.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00
3987	481447.6	3768633	5.68E-03	0.00E+00	0.00E+00	5.62E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00
3988	481457.1	3768634	5.37E-03	0.00E+00	0.00E+00	5.32E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00
3989	481466.6	3768634	5.12E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00
3990	481476.1	3768634	4.90E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00
3991	481485.6	3768634	4.71E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
3992	481495.2	3768634	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
3993	481504.7	3768634	4.42E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
3994	481514.2	3768634	4.30E-03	0.00E+00	0.00E+00	4.26E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
3995	481523.7	3768634	4.19E-03	0.00E+00	0.00E+00	4.15E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00
3996	481352.3	3768642	9.31E-03	0.00E+00	0.00E+00	9.21E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00
3997	481361.8	3768642	8.77E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00
3998	481371.3	3768642	8.24E-03	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00
3999	481380.8	3768642	7.73E-03	0.00E+00	0.00E+00	7.65E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00
4000	481390.3	3768643	7.24E-03	0.00E+00	0.00E+00	7.17E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00
4001	481399.9	3768643	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
4002	481409.4	3768643	6.35E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00
4003	481418.9	3768643	5.96E-03	0.00E+00	0.00E+00	5.89E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00
4004	481428.4	3768643	5.60E-03	0.00E+00	0.00E+00	5.54E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00
4005	481437.9	3768643	5.28E-03	0.00E+00	0.00E+00	5.22E-03	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00
4006	481447.5	3768643	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
4007	481457	3768643	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00
4008	481466.5	3768644	4.54E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
4009	481476	3768644	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
4010	481485.5	3768644	4.22E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
4011	481495	3768644	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
4012	481504.6	3768644	3.97E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00
4013	481514.1	3768644	3.86E-03	0.00E+00	0.00E+00	3.82E-03	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00
4014	481523.6	3768644	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
4015	481352.2	3768652	8.07E-03	0.00E+00	0.00E+00	7.98E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00
4016	481361.7	3768652	7.60E-03	0.00E+00	0.00E+00	7.52E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00
4017	481371.2	3768652	7.14E-03	0.00E+00	0.00E+00	7.07E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
4018	481380.7	3768652	6.71E-03	0.00E+00	0.00E+00	6.64E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00
4019	481390.2	3768652	6.29E-03	0.00E+00	0.00E+00	6.23E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00
4020	481399.7	3768653	5.91E-03	0.00E+00	0.00E+00	5.84E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
4021	481409.3	3768653	5.55E-03	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00
4022	481418.8	3768653	5.22E-03	0.00E+00	0.00E+00	5.17E-03	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00
4023	481428.3	3768653	4.93E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
4024	481437.8	3768653	4.66E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00
4025	481447.3	3768653	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
4026	481456.8	3768653	4.24E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.70E-04	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00
4027	481466.4	3768653	4.07E-03	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00
4028	481475.9	3768653	3.92E-03	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00
4029	481485.4	3768654	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00
4030	481494.9	3768654	3.68E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00
4031	481504.4	3768654	3.59E-03	0.00E+00	0.00E+00	3.55E-03	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00
4032	481513.9	3768654	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
4033	481523.5	3768654	3.42E-03	0.00E+00	0.00E+00	3.39E-03	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00
4034	481352	3768662	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
4035	481361.5	3768662	6.63E-03	0.00E+00	0.00E+00	6.56E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00
4036	481371.1	3768662	6.24E-03	0.00E+00	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00
4037	481380.6	3768662	5.87E-03	0.00E+00	0.00E+00									

4070	481513.7	3768674	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
4071	481523.2	3768674	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00
4072	481351.8	3768681	5.46E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
4073	481361.3	3768682	5.16E-03	0.00E+00	0.00E+00	5.10E-03	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00
4074	481370.8	3768682	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
4075	481380.3	3768682	4.60E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
4076	481389.8	3768682	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
4077	481399.4	3768682	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
4078	481408.9	3768682	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
4079	481418.4	3768682	3.72E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
4080	481427.9	3768682	3.55E-03	0.00E+00	0.00E+00	3.51E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00
4081	481437.4	3768683	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
4082	481447	3768683	3.27E-03	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00
4083	481456.5	3768683	3.15E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
4084	481466	3768683	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
4085	481475.5	3768683	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00
4086	481485	3768683	2.88E-03	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00
4087	481494.5	3768683	2.81E-03	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00
4088	481504.1	3768683	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
4089	481513.6	3768683	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
4090	481351.7	3768691	4.86E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00
4091	481361.2	3768691	4.59E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
4092	481370.7	3768692	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
4093	481380.2	3768692	4.11E-03	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00
4094	481389.7	3768692	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
4095	481399.2	3768692	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
4096	481408.8	3768692	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
4097	481418.3	3768692	3.37E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
4098	481427.8	3768692	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
4099	481437.3	3768692	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00
4100	481446.8	3768692	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
4101	481456.3	3768693	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
4102	481465.9	3768693	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
4103	481475.4	3768693	2.72E-03	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00
4104	481484.9	3768693	2.65E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00
4105	481494.4	3768693	2.59E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
4106	481503.9	3768693	2.54E-03	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00
4107	481513.4	3768693	2.49E-03	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00
4108	481351.5	3768701	4.35E-03	0.00E+00	0.00E+00	4.30E-03	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00
4109	481361	3768701	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
4110	481370.6	3768701	3.91E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
4111	481380.1	3768701	3.71E-03	0.00E+00	0.00E+00	3.67E-03	0.00E+00	0.00E+00	6.73E-04	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00
4112	481389.6	3768702	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
4113	481399.1	3768702	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
4114	481408.6	3768702	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
4115	481418.2	3768702	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
4116	481427.7	3768702	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
4117	481437.2	3768702	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
4118	481446.7	3768702	2.74E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4119	481456.2	3768702	2.66E-03	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00
4120	481465.7	3768703	2.58E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
4121	481475.3	3768703	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
4122	481484.8	3768703	2.46E-03	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00
4123	481494.3	3768703	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
4124	481503.8	3768703	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
4125	481513.3	3768703	2.31E-03	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00
4126	481351.4	3768711	3.91E-03	0.00E+00	0.00E+00	3.87E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00
4127	481360.9	3768711	3.71E-03	0.00E+00	0.00E+00	3.68E-03	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00
4128	481370.4	3768711	3.53E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00
4129	481380	3768711	3.36E-03	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
4130	481389.5	3768711	3.21E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
4131	481399	3768712	3.06E-03	0.00E+00	0.00E+00	3.03E-03	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
4132	481408.5	3768712	2.94E-03	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
4133	481418	3768712	2.82E-03	0.00E+00	0.00E+00									

4454	481355.6	3769129	4.85E-04	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	8.81E-05	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00
4455	481365.1	3769129	4.79E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	8.71E-05	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00
4456	481374.7	3769129	4.73E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
4457	481384.2	3769129	4.68E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00
4458	481393.7	3769130	4.62E-04	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	8.40E-05	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00
4459	481403.2	3769130	4.57E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	8.31E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
4460	481412.7	3769130	4.52E-04	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	8.22E-05	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00
4461	481422.3	3769130	4.47E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	4.54E-05	0.00E+00	0.00E+00
4462	481431.8	3769130	4.42E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.04E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
4463	481441.3	3769130	4.37E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00
4464	481450.8	3769130	4.33E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	7.86E-05	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00
4465	481460.3	3769130	4.28E-04	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	7.78E-05	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00
4466	481469.8	3769131	4.24E-04	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00
4467	481479.4	3769131	4.20E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	7.63E-05	0.00E+00	0.00E+00	4.26E-05	0.00E+00	0.00E+00
4468	481488.9	3769131	4.16E-04	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00
4469	481498.4	3769131	4.11E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	7.48E-05	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00
4470	481507.9	3769131	4.08E-04	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	7.40E-05	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00
4471	481517.4	3769131	4.04E-04	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00
4472	481550.8	3768565	1.02E-02	0.00E+00	0.00E+00	1.01E-02	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4473	481558	3768572	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
4474	481549.6	3768575	8.66E-03	0.00E+00	0.00E+00	8.57E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.79E-04	0.00E+00	0.00E+00
4475	481576.7	3768567	8.68E-03	0.00E+00	0.00E+00	8.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00
4476	481565.1	3768579	7.70E-03	0.00E+00	0.00E+00	7.62E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00
4477	481548.8	3768585	7.41E-03	0.00E+00	0.00E+00	7.34E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00
4478	481586.9	3768567	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
4479	481572.2	3768586	6.80E-03	0.00E+00	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00
4480	481556.1	3768592	6.55E-03	0.00E+00	0.00E+00	6.48E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
4481	481598.5	3768563	8.38E-03	0.00E+00	0.00E+00	8.29E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00
4482	481594.7	3768572	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00
4483	481590.9	3768581	6.83E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
4484	481578.1	3768593	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
4485	481569	3768597	5.93E-03	0.00E+00	0.00E+00	5.86E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00
4486	481560	3768600	5.80E-03	0.00E+00	0.00E+00	5.74E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00
4487	481551	3768604	5.66E-03	0.00E+00	0.00E+00	5.60E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00
4488	481608.7	3768562	8.08E-03	0.00E+00	0.00E+00	8.00E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00
4489	481605	3768570	7.37E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
4490	481601.3	3768579	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00
4491	481597.6	3768588	6.09E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
4492	481585.2	3768600	5.43E-03	0.00E+00	0.00E+00	5.37E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00
4493	481576.4	3768603	5.33E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00
4494	481567.7	3768607	5.22E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
4495	481558.9	3768611	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.28E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
4496	481550.1	3768614	4.99E-03	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00
4497	481618.9	3768561	7.78E-03	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
4498	481615.3	3768569	7.14E-03	0.00E+00	0.00E+00	7.06E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00
4499	481611.7	3768578	6.54E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
4500	481608.1	3768586	5.98E-03	0.00E+00	0.00E+00	5.91E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00
4501	481604.4	3768595	5.46E-03	0.00E+00	0.00E+00	5.40E-03	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
4502	481592.3	3768607	4.91E-03	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00
4503	481583.7	3768610	4.82E-03	0.00E+00	0.00E+00	4.77E-03	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00
4504	481575.1	3768614	4.73E-03	0.00E+00	0.00E+00	4.68E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
4505	481566.6	3768617	4.63E-03	0.00E+00	0.00E+00	4.58E-03	0.00E+00	0.00E+00	8.41E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
4506	481558	3768621	4.53E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00
4507	481549.4	3768624	4.44E-03	0.00E+00	0.00E+00	4.39E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00
4508	481629	3768560	7.47E-03	0.00E+00	0.00E+00	7.39E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
4509	481621.9	3768577	6.36E-03	0.00E+00	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00
4510	481614.8	3768594	5.37E-03	0.00E+00	0.00E+00	5.31E-03	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00
4511	481611.3	3768602	4.93E-03	0.00E+00	0.00E+00	4.88E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
4512	481599.3	3768614	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
4513	481590.9	3768617	4.38E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00
4514	481582.5	3768621	4.30E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
4515	481574.1	3768624	4.22E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
4516	481565.7	3768627	4.13E-03	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
4517	481557.2	3768631	4.05E-03	0.00E+00	0.00E+00									

4550	481640.3	3768580	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
4551	481636.5	3768589	5.30E-03	0.00E+00	0.00E+00	5.24E-03	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00
4552	481632.8	3768598	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
4553	481629	3768607	4.48E-03	0.00E+00	0.00E+00	4.43E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00
4554	481625.3	3768616	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
4555	481612.6	3768628	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
4556	481603.7	3768632	3.66E-03	0.00E+00	0.00E+00	3.62E-03	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
4557	481594.7	3768635	3.59E-03	0.00E+00	0.00E+00	3.56E-03	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00
4558	481585.8	3768639	3.52E-03	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00
4559	481576.9	3768642	3.45E-03	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00
4560	481568	3768646	3.39E-03	0.00E+00	0.00E+00	3.35E-03	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00
4561	481559	3768650	3.33E-03	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00
4562	481550.1	3768653	3.27E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
4563	481663.3	3768467	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4564	481663.3	3768457	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
4565	481663.4	3768447	1.38E-02	0.00E+00	0.00E+00	1.36E-02	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00
4566	481663.5	3768437	1.41E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
4567	481663.6	3768427	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
4568	481663.6	3768417	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
4569	481663.7	3768407	1.44E-02	0.00E+00	0.00E+00	1.43E-02	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00
4570	481663.8	3768397	1.43E-02	0.00E+00	0.00E+00	1.42E-02	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00
4571	481663.8	3768388	1.41E-02	0.00E+00	0.00E+00	1.40E-02	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00
4572	481654.2	3768571	6.05E-03	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00
4573	481650.5	3768579	5.61E-03	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00
4574	481646.8	3768588	5.19E-03	0.00E+00	0.00E+00	5.14E-03	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00
4575	481643.1	3768597	4.80E-03	0.00E+00	0.00E+00	4.75E-03	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00
4576	481639.5	3768606	4.43E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.04E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
4577	481635.8	3768614	4.09E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
4578	481632.1	3768623	3.78E-03	0.00E+00	0.00E+00	3.74E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
4579	481619.6	3768635	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
4580	481610.9	3768639	3.38E-03	0.00E+00	0.00E+00	3.34E-03	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00
4581	481602.1	3768642	3.32E-03	0.00E+00	0.00E+00	3.28E-03	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00
4582	481593.3	3768646	3.26E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
4583	481584.6	3768649	3.19E-03	0.00E+00	0.00E+00	3.16E-03	0.00E+00	0.00E+00	5.80E-04	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00
4584	481575.8	3768653	3.14E-03	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
4585	481567	3768656	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00
4586	481558.3	3768660	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00
4587	481549.5	3768663	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
4588	481673.1	3768467	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
4589	481673.2	3768457	1.24E-02	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00
4590	481673.2	3768447	1.28E-02	0.00E+00	0.00E+00	1.27E-02	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00
4591	481673.3	3768437	1.31E-02	0.00E+00	0.00E+00	1.30E-02	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00
4592	481673.4	3768428	1.33E-02	0.00E+00	0.00E+00	1.32E-02	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00
4593	481673.5	3768418	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
4594	481673.5	3768408	1.35E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00
4595	481673.6	3768398	1.34E-02	0.00E+00	0.00E+00	1.33E-02	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00
4596	481673.7	3768388	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
4597	481664.3	3768570	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
4598	481660.7	3768579	5.46E-03	0.00E+00	0.00E+00	5.41E-03	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00
4599	481657.1	3768587	5.08E-03	0.00E+00	0.00E+00	5.03E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
4600	481653.4	3768596	4.71E-03	0.00E+00	0.00E+00	4.66E-03	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00
4601	481649.8	3768604	4.37E-03	0.00E+00	0.00E+00	4.32E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00
4602	481646.2	3768613	4.04E-03	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00
4603	481642.5	3768622	3.75E-03	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
4604	481638.9	3768630	3.48E-03	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00
4605	481626.6	3768642	3.18E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
4606	481618	3768646	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
4607	481609.4	3768649	3.07E-03	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00
4608	481600.8	3768652	3.02E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
4609	481592.1	3768656	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
4610	481583.5	3768659	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
4611	481574.9	3768663	2.86E-03	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00
4612	481566.2	3768666	2.82E-03	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00
4613	481557.6	3768670	2.78E-03	0.00E+00	0.00E+									

4646	481652.8	3768644	3.00E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
4647	481640	3768656	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4648	481631	3768660	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
4649	481622	3768664	2.65E-03	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
4650	481613	3768667	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
4651	481604	3768671	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
4652	481595	3768674	2.51E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
4653	481585.9	3768678	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
4654	481576.9	3768682	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
4655	481567.9	3768685	2.40E-03	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00
4656	481558.9	3768689	2.37E-03	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
4657	481549.9	3768692	2.34E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
4658	481703.1	3768408	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4659	481703.1	3768398	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00
4660	481703.2	3768388	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
4661	481689.6	3768580	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
4662	481685.8	3768589	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
4663	481682.1	3768598	4.25E-03	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
4664	481678.4	3768607	3.97E-03	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00
4665	481674.6	3768616	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
4666	481670.9	3768624	3.44E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00
4667	481667.2	3768633	3.20E-03	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
4668	481663.4	3768642	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
4669	481659.7	3768651	2.79E-03	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00
4670	481647.1	3768663	2.56E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
4671	481638.2	3768667	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
4672	481629.3	3768670	2.47E-03	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00
4673	481620.4	3768674	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
4674	481611.5	3768678	2.39E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
4675	481602.7	3768681	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
4676	481593.8	3768685	2.32E-03	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
4677	481584.9	3768688	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4678	481576	3768692	2.26E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
4679	481567.1	3768695	2.23E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
4680	481558.2	3768699	2.20E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00
4681	481549.4	3768702	2.17E-03	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00
4682	481712.9	3768408	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
4683	481713	3768398	1.09E-02	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00
4684	481713	3768388	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
4685	481696	3768588	4.45E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
4686	481692.3	3768597	4.17E-03	0.00E+00	0.00E+00	4.12E-03	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00
4687	481688.7	3768606	3.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
4688	481685	3768615	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00
4689	481681.3	3768623	3.40E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00
4690	481677.6	3768632	3.17E-03	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00
4691	481673.9	3768641	2.96E-03	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
4692	481670.2	3768649	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
4693	481666.5	3768658	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
4694	481654.1	3768670	2.40E-03	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00
4695	481645.3	3768674	2.36E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
4696	481636.5	3768677	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00
4697	481627.8	3768681	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4698	481619	3768684	2.25E-03	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00
4699	481610.2	3768688	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
4700	481601.5	3768691	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00
4701	481592.7	3768695	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4702	481583.9	3768698	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
4703	481575.2	3768702	2.10E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
4704	481566.4	3768705	2.07E-03	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00
4705	481557.7	3768709	2.05E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
4706	481548.9	3768712	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
4707	481722.7	3768408	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
4708	481722.8	3768398	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00
4709	481722.9	3768388	1.02E-02	0.00E+00	0.00E+00	1.01E-0								

4742	481680.4	3768672	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
4743	481667.5	3768684	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
4744	481658.5	3768688	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
4745	481649.4	3768692	2.05E-03	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00
4746	481640.3	3768695	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
4747	481631.2	3768699	1.99E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
4748	481622.2	3768703	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
4749	481613.1	3768706	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
4750	481604	3768710	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4751	481594.9	3768714	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
4752	481585.9	3768717	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
4753	481576.8	3768721	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
4754	481567.7	3768724	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
4755	481558.6	3768728	1.79E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
4756	481549.6	3768732	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
4757	481741.9	3768478	7.85E-03	0.00E+00	0.00E+00	7.76E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00
4758	481742	3768468	8.17E-03	0.00E+00	0.00E+00	8.09E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
4759	481742	3768458	8.47E-03	0.00E+00	0.00E+00	8.38E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00
4760	481742.1	3768448	8.72E-03	0.00E+00	0.00E+00	8.63E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00
4761	481742.2	3768438	8.93E-03	0.00E+00	0.00E+00	8.84E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00
4762	481742.3	3768428	9.09E-03	0.00E+00	0.00E+00	9.00E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00
4763	481742.3	3768418	9.21E-03	0.00E+00	0.00E+00	9.11E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00
4764	481742.4	3768408	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00
4765	481742.5	3768398	9.28E-03	0.00E+00	0.00E+00	9.18E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00
4766	481742.6	3768388	9.23E-03	0.00E+00	0.00E+00	9.13E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00
4767	481721.2	3768599	3.80E-03	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00
4768	481717.4	3768608	3.57E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00
4769	481713.7	3768617	3.35E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00
4770	481709.9	3768626	3.14E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00
4771	481706.1	3768634	2.94E-03	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00
4772	481702.3	3768643	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
4773	481698.6	3768652	2.58E-03	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00
4774	481694.8	3768661	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
4775	481691	3768670	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
4776	481687.3	3768679	2.14E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
4777	481674.5	3768691	1.99E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
4778	481665.6	3768695	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
4779	481656.6	3768699	1.93E-03	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00
4780	481647.7	3768702	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4781	481638.7	3768706	1.87E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
4782	481629.7	3768709	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00
4783	481620.8	3768713	1.82E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00
4784	481611.8	3768717	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00
4785	481602.9	3768720	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
4786	481593.9	3768724	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
4787	481584.9	3768727	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
4788	481576	3768731	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
4789	481567	3768735	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00
4790	481751.7	3768478	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00
4791	481751.8	3768468	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
4792	481751.9	3768458	8.06E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
4793	481752	3768448	8.30E-03	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00
4794	481752	3768438	8.50E-03	0.00E+00	0.00E+00	8.41E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00
4795	481752.1	3768428	8.65E-03	0.00E+00	0.00E+00	8.56E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00
4796	481752.2	3768418	8.76E-03	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.88E-04	0.00E+00	0.00E+00
4797	481752.2	3768408	8.82E-03	0.00E+00	0.00E+00	8.73E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00
4798	481752.3	3768398	8.83E-03	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00
4799	481752.4	3768388	8.79E-03	0.00E+00	0.00E+00	8.70E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00
4800	481750	3768554	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
4801	481746.3	3768563	4.64E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00
4802	481731.4	3768598	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00
4803	481727.7	3768607	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
4804	481723.9	3768616	3.30E-03	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00
4805	481720.2	3768625	3.10E-03	0.00E+00	0.00E+00	3								

4838	481732.2	3768620	3.15E-03	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00
4839	481728.3	3768629	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
4840	481724.4	3768638	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
4841	481720.6	3768647	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00
4842	481716.7	3768656	2.44E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
4843	481712.8	3768665	2.29E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00
4844	481708.9	3768674	2.15E-03	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4845	481705	3768684	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
4846	481701.1	3768693	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4847	481688	3768706	1.77E-03	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
4848	481678.8	3768709	1.75E-03	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00
4849	481669.6	3768713	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
4850	481660.4	3768717	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
4851	481651.1	3768720	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
4852	481641.9	3768724	1.65E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4853	481632.7	3768728	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
4854	481623.5	3768731	1.61E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00
4855	481614.2	3768735	1.59E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
4856	481568.1	3768754	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
4857	481558.9	3768757	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
4858	481549.6	3768761	1.49E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
4859	481771.3	3768488	6.53E-03	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00
4860	481771.4	3768478	6.82E-03	0.00E+00	0.00E+00	6.75E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00
4861	481771.5	3768468	7.08E-03	0.00E+00	0.00E+00	7.01E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00
4862	481771.6	3768458	7.32E-03	0.00E+00	0.00E+00	7.25E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00
4863	481771.6	3768448	7.53E-03	0.00E+00	0.00E+00	7.45E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00
4864	481771.7	3768438	7.71E-03	0.00E+00	0.00E+00	7.63E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00
4865	481771.8	3768428	7.85E-03	0.00E+00	0.00E+00	7.77E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00
4866	481771.9	3768418	7.96E-03	0.00E+00	0.00E+00	7.88E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00
4867	481771.9	3768408	8.03E-03	0.00E+00	0.00E+00	7.95E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00
4868	481772	3768398	8.05E-03	0.00E+00	0.00E+00	7.96E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00
4869	481772.1	3768388	8.02E-03	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00
4870	481765.5	3768564	4.21E-03	0.00E+00	0.00E+00	4.17E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00
4871	481746.4	3768609	3.29E-03	0.00E+00	0.00E+00	3.26E-03	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00
4872	481742.5	3768618	3.10E-03	0.00E+00	0.00E+00	3.07E-03	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00
4873	481738.7	3768628	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
4874	481734.8	3768637	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
4875	481731	3768646	2.58E-03	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00
4876	481727.2	3768655	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
4877	481723.3	3768664	2.28E-03	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00
4878	481719.5	3768673	2.15E-03	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00
4879	481715.7	3768682	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
4880	481711.8	3768691	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
4881	481708	3768700	1.80E-03	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
4882	481695	3768713	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00
4883	481685.9	3768716	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
4884	481676.8	3768720	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
4885	481667.7	3768724	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
4886	481658.6	3768727	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
4887	481649.5	3768731	1.57E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00
4888	481640.3	3768734	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
4889	481594.8	3768753	1.47E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
4890	481585.7	3768756	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
4891	481576.5	3768760	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
4892	481567.4	3768764	1.43E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00
4893	481558.3	3768767	1.42E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00
4894	481549.2	3768771	1.41E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
4895	481781.2	3768488	6.26E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00
4896	481781.3	3768478	6.52E-03	0.00E+00	0.00E+00	6.46E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00
4897	481781.3	3768468	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
4898	481781.4	3768458	7.00E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
4899	481781.5	3768448	7.19E-03	0.00E+00	0.00E+00	7.12E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00
4900	481781.5	3768438	7.36E-03	0.00E+00	0.00E+00	7.28E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
4901	481781.6	3768428	7.50E-03	0.00E+00	0.00E+00									

4934	481791.1	3768478	6.25E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00
4935	481791.2	3768468	6.49E-03	0.00E+00	0.00E+00	6.42E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00
4936	481791.2	3768458	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00
4937	481791.3	3768448	6.89E-03	0.00E+00	0.00E+00	6.81E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00
4938	481791.4	3768438	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00
4939	481791.5	3768428	7.18E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
4940	481791.5	3768418	7.28E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
4941	481791.6	3768408	7.34E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
4942	481791.7	3768398	7.36E-03	0.00E+00	0.00E+00	7.29E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.47E-04	0.00E+00	0.00E+00
4943	481791.7	3768388	7.35E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
4944	481781.8	3768572	3.76E-03	0.00E+00	0.00E+00	3.72E-03	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00
4945	481766.8	3768608	3.03E-03	0.00E+00	0.00E+00	2.99E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
4946	481763	3768617	3.00E-03	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
4947	481759.2	3768626	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
4948	481755.5	3768634	2.53E-03	0.00E+00	0.00E+00	2.50E-03	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
4949	481751.7	3768643	2.37E-03	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00
4950	481748	3768652	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
4951	481744.2	3768661	2.11E-03	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
4952	481740.5	3768670	2.00E-03	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00
4953	481736.7	3768679	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
4954	481732.9	3768688	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
4955	481729.2	3768696	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
4956	481725.4	3768705	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
4957	481721.7	3768714	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
4958	481709	3768727	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
4959	481700.1	3768730	1.50E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00
4960	481691.2	3768734	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
4961	481637.6	3768755	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
4962	481628.7	3768759	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
4963	481619.8	3768762	1.35E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00
4964	481610.8	3768766	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
4965	481601.9	3768769	1.33E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
4966	481593	3768773	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
4967	481584.1	3768777	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
4968	481575.1	3768780	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
4969	481566.2	3768784	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
4970	481557.3	3768787	1.27E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
4971	481548.4	3768791	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
4972	481800.8	3768498	5.51E-03	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00
4973	481800.9	3768488	5.76E-03	0.00E+00	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00
4974	481800.9	3768478	6.00E-03	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00
4975	481801	3768468	6.22E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
4976	481801.1	3768458	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
4977	481801.1	3768448	6.60E-03	0.00E+00	0.00E+00	6.53E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00
4978	481801.2	3768438	6.75E-03	0.00E+00	0.00E+00	6.68E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00
4979	481801.3	3768428	6.87E-03	0.00E+00	0.00E+00	6.80E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00
4980	481801.4	3768418	6.97E-03	0.00E+00	0.00E+00	6.89E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00
4981	481801.4	3768408	7.03E-03	0.00E+00	0.00E+00	6.96E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00
4982	481801.5	3768399	7.06E-03	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00
4983	481801.6	3768389	7.05E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00
4984	481790.9	3768574	3.62E-03	0.00E+00	0.00E+00	3.59E-03	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00
4985	481775.4	3768611	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
4986	481771.5	3768620	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
4987	481767.6	3768629	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
4988	481763.7	3768638	2.41E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
4989	481759.8	3768647	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
4990	481755.9	3768657	2.13E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
4991	481752	3768666	2.01E-03	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00
4992	481748.2	3768675	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00
4993	481744.3	3768684	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
4994	481740.4	3768693	1.70E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00
4995	481736.5	3768702	1.61E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00
4996	481732.6	3768712	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
4997	481728.7	3768721	1.45E-03	0.00E+00	0.00E+00									

5030	481762.5	3768664	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
5031	481758.6	3768674	1.89E-03	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
5032	481754.8	3768683	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
5033	481750.9	3768692	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
5034	481747.1	3768701	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
5035	481743.2	3768710	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
5036	481739.4	3768719	1.45E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
5037	481735.5	3768728	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
5038	481686	3768755	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
5039	481676.8	3768759	1.30E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
5040	481667.7	3768763	1.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
5041	481658.5	3768766	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
5042	481649.4	3768770	1.26E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5043	481640.2	3768774	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
5044	481631.1	3768777	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
5045	481621.9	3768781	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5046	481612.8	3768785	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
5047	481603.7	3768788	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5048	481594.5	3768792	1.19E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00
5049	481585.4	3768796	1.18E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
5050	481576.2	3768799	1.17E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00
5051	481567.1	3768803	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
5052	481557.9	3768807	1.16E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5053	481548.8	3768810	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5054	481820.3	3768518	4.63E-03	0.00E+00	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.42E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00
5055	481820.4	3768508	4.87E-03	0.00E+00	0.00E+00	4.82E-03	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00
5056	481820.5	3768498	5.10E-03	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00
5057	481820.5	3768488	5.32E-03	0.00E+00	0.00E+00	5.27E-03	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00
5058	481820.6	3768478	5.54E-03	0.00E+00	0.00E+00	5.48E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00
5059	481820.7	3768469	5.73E-03	0.00E+00	0.00E+00	5.67E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
5060	481820.8	3768459	5.92E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00
5061	481820.8	3768449	6.08E-03	0.00E+00	0.00E+00	6.01E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00
5062	481820.9	3768439	6.22E-03	0.00E+00	0.00E+00	6.15E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00
5063	481821	3768429	6.33E-03	0.00E+00	0.00E+00	6.26E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	6.42E-04	0.00E+00	0.00E+00
5064	481821	3768419	6.42E-03	0.00E+00	0.00E+00	6.35E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00
5065	481821.1	3768409	6.47E-03	0.00E+00	0.00E+00	6.41E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00
5066	481821.2	3768399	6.50E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00
5067	481821.3	3768389	6.51E-03	0.00E+00	0.00E+00	6.44E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00
5068	481826.3	3768537	4.10E-03	0.00E+00	0.00E+00	4.05E-03	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00
5069	481822.5	3768546	3.94E-03	0.00E+00	0.00E+00	3.90E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00
5070	481818.6	3768555	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.86E-04	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00
5071	481807.2	3768582	3.28E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00
5072	481792	3768618	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
5073	481788.1	3768627	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5074	481784.3	3768636	2.35E-03	0.00E+00	0.00E+00	2.33E-03	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00
5075	481780.5	3768645	2.22E-03	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00
5076	481776.7	3768654	2.10E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00
5077	481772.9	3768663	1.98E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00
5078	481769.1	3768672	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00
5079	481765.3	3768681	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00
5080	481761.5	3768690	1.68E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
5081	481757.6	3768699	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
5082	481753.8	3768708	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
5083	481750	3768717	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
5084	481746.2	3768726	1.38E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
5085	481742.4	3768735	1.31E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00
5086	481711.4	3768755	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5087	481702.4	3768759	1.27E-03	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00
5088	481693.3	3768762	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5089	481684.2	3768766	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
5090	481675.2	3768769	1.23E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5091	481666.1	3768773	1.21E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00
5092	481657.1	3768777	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5093	481648	3768780	1.19E-03	0.00E+00	0.00E+00									

5126	481836.9	3768583	3.00E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
5127	481817.6	3768629	2.33E-03	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
5128	481813.7	3768638	2.21E-03	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00
5129	481809.8	3768647	2.09E-03	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00
5130	481806	3768656	1.97E-03	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00
5131	481802.1	3768665	1.86E-03	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00
5132	481798.2	3768674	1.76E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00
5133	481794.4	3768683	1.67E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00
5134	481790.5	3768693	1.59E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
5135	481786.6	3768702	1.51E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00
5136	481782.8	3768711	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
5137	481778.9	3768720	1.37E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00
5138	481775	3768729	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
5139	481763.4	3768756	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
5140	481750.4	3768769	1.09E-03	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00
5141	481741.2	3768773	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5142	481732	3768776	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
5143	481722.9	3768780	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
5144	481713.7	3768784	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5145	481704.5	3768788	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
5146	481695.3	3768791	1.08E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5147	481686.1	3768795	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00
5148	481676.9	3768799	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5149	481667.8	3768802	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00
5150	481658.6	3768806	1.04E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
5151	481649.4	3768810	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
5152	481640.2	3768813	1.02E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
5153	481631	3768817	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
5154	481621.8	3768821	1.01E-03	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00
5155	481612.7	3768824	9.99E-04	0.00E+00	0.00E+00	9.88E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
5156	481603.5	3768828	9.93E-04	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
5157	481594.3	3768832	9.86E-04	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
5158	481585.1	3768835	9.80E-04	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00
5159	481575.9	3768839	9.74E-04	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.88E-05	0.00E+00	0.00E+00
5160	481566.8	3768843	9.69E-04	0.00E+00	0.00E+00	9.59E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.83E-05	0.00E+00	0.00E+00
5161	481557.6	3768846	9.65E-04	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00
5162	481548.4	3768850	9.61E-04	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00
5163	481860.1	3768529	3.84E-03	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00
5164	481860.1	3768519	4.03E-03	0.00E+00	0.00E+00	3.99E-03	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00
5165	481860.2	3768509	4.23E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
5166	481860.3	3768499	4.41E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
5167	481860.4	3768489	4.59E-03	0.00E+00	0.00E+00	4.55E-03	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00
5168	481860.4	3768479	4.76E-03	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00
5169	481860.5	3768469	4.92E-03	0.00E+00	0.00E+00	4.87E-03	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00
5170	481860.6	3768459	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00
5171	481860.7	3768449	5.20E-03	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00
5172	481860.7	3768439	5.32E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
5173	481886.3	3768538	3.39E-03	0.00E+00	0.00E+00	3.36E-03	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00
5174	481882.5	3768547	3.28E-03	0.00E+00	0.00E+00	3.24E-03	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00
5175	481878.7	3768556	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00
5176	481875	3768564	3.04E-03	0.00E+00	0.00E+00	3.01E-03	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00
5177	481871.2	3768573	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
5178	481867.4	3768582	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
5179	481863.6	3768591	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5180	481844.8	3768636	2.13E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00
5181	481841	3768645	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
5182	481837.2	3768653	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00
5183	481833.4	3768662	1.81E-03	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
5184	481829.7	3768671	1.71E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
5185	481825.9	3768680	1.62E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
5186	481822.1	3768689	1.55E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
5187	481818.3	3768698	1.47E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
5188	481814.6	3768707	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
5189	481810.8	3768716	1.34E-03	0.00E+00	0.00E+00									

5222	481890.1	3768519	3.67E-03	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00
5223	481890.2	3768509	3.83E-03	0.00E+00	0.00E+00	3.79E-03	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00
5224	481890.3	3768499	3.99E-03	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00
5225	481890.4	3768489	4.15E-03	0.00E+00	0.00E+00	4.10E-03	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00
5226	481890.4	3768479	4.29E-03	0.00E+00	0.00E+00	4.25E-03	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00
5227	481890.5	3768469	4.43E-03	0.00E+00	0.00E+00	4.38E-03	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00
5228	481890.6	3768459	4.56E-03	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
5229	481890.7	3768449	4.67E-03	0.00E+00	0.00E+00	4.62E-03	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00
5230	481890.7	3768439	4.77E-03	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00
5231	481890.8	3768429	4.86E-03	0.00E+00	0.00E+00	4.81E-03	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00
5232	481916.3	3768538	3.12E-03	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00
5233	481912.4	3768547	3.01E-03	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00
5234	481908.6	3768556	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5235	481904.8	3768565	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
5236	481901	3768574	2.70E-03	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00
5237	481897.1	3768583	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5238	481893.3	3768592	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5239	481889.5	3768601	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5240	481870.4	3768646	1.91E-03	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
5241	481866.6	3768655	1.81E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00
5242	481862.7	3768664	1.72E-03	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00
5243	481858.9	3768673	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
5244	481855.1	3768682	1.55E-03	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00
5245	481851.3	3768691	1.48E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00
5246	481847.5	3768700	1.40E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00
5247	481843.6	3768709	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
5248	481839.8	3768718	1.28E-03	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00
5249	481836	3768727	1.22E-03	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00
5250	481824.5	3768754	1.07E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5251	481820.7	3768763	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00
5252	481816.9	3768772	9.89E-04	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00
5253	481813.1	3768781	9.50E-04	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00
5254	481809.2	3768790	9.14E-04	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	9.27E-05	0.00E+00	0.00E+00
5255	481805.4	3768799	8.81E-04	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00
5256	481792.5	3768812	8.49E-04	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00
5257	481783.4	3768816	8.45E-04	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00
5258	481920.1	3768529	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
5259	481920.1	3768519	3.36E-03	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00
5260	481920.2	3768509	3.50E-03	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00
5261	481920.3	3768499	3.63E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00
5262	481920.4	3768489	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
5263	481920.4	3768479	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
5264	481920.5	3768469	4.01E-03	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00
5265	481920.6	3768459	4.12E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00
5266	481920.7	3768449	4.22E-03	0.00E+00	0.00E+00	4.18E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00
5267	481920.7	3768439	4.31E-03	0.00E+00	0.00E+00	4.27E-03	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00
5268	481920.8	3768429	4.39E-03	0.00E+00	0.00E+00	4.34E-03	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00
5269	481920.9	3768419	4.45E-03	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00
5270	481921	3768409	4.50E-03	0.00E+00	0.00E+00	4.45E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00
5271	481921	3768399	4.53E-03	0.00E+00	0.00E+00	4.48E-03	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00
5272	481921.1	3768389	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5273	481921.2	3768379	4.55E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00
5274	481921.2	3768369	4.54E-03	0.00E+00	0.00E+00	4.50E-03	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00
5275	481921.3	3768359	4.52E-03	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00
5276	481921.4	3768349	4.49E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.15E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
5277	481946.2	3768538	2.87E-03	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00
5278	481930.8	3768575	2.51E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00
5279	481926.9	3768584	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5280	481923	3768593	2.33E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
5281	481919.2	3768602	2.23E-03	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00
5282	481915.3	3768611	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
5283	481896	3768657	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
5284	481892.1	3768666	1.64E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
5285	481888.3	3768675	1.57E-03	0.00E+00	0.00E+00									

5318	481968.7	3768556	2.49E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5319	481964.9	3768565	2.42E-03	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00
5320	481961.1	3768574	2.34E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00
5321	481957.3	3768583	2.26E-03	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
5322	481953.5	3768592	2.18E-03	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5323	481949.7	3768601	2.11E-03	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00
5324	481946	3768610	2.03E-03	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00
5325	481919.4	3768672	1.52E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
5326	481915.6	3768681	1.45E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00
5327	481911.8	3768690	1.38E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00
5328	481908	3768699	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
5329	481904.2	3768708	1.26E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5330	481900.5	3768717	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5331	481896.7	3768726	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5332	481892.9	3768735	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
5333	481881.5	3768762	9.70E-04	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.84E-05	0.00E+00	0.00E+00
5334	481877.7	3768771	9.33E-04	0.00E+00	0.00E+00	9.23E-04	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00
5335	481873.9	3768780	8.99E-04	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00
5336	481834.6	3768855	6.89E-04	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00
5337	481825.6	3768858	6.85E-04	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00
5338	481816.6	3768862	6.82E-04	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00
5339	481807.6	3768866	6.78E-04	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00
5340	481798.5	3768869	6.75E-04	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00
5341	481789.5	3768873	6.72E-04	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00
5342	481780.5	3768876	6.68E-04	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.78E-05	0.00E+00	0.00E+00
5343	481771.5	3768880	6.65E-04	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00
5344	481762.5	3768884	6.63E-04	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00
5345	481753.5	3768887	6.60E-04	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00
5346	481744.5	3768891	6.58E-04	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00
5347	481735.5	3768894	6.55E-04	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00
5348	481708.5	3768905	6.45E-04	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00
5349	481699.5	3768909	6.43E-04	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00
5350	481690.5	3768913	6.40E-04	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00
5351	481681.5	3768916	6.38E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
5352	481672.4	3768920	6.50E-04	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.59E-05	0.00E+00	0.00E+00
5353	481663.4	3768923	6.47E-04	0.00E+00	0.00E+00	6.40E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00
5354	481654.4	3768927	6.44E-04	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00
5355	481645.4	3768931	6.40E-04	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00
5356	481636.4	3768934	6.38E-04	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00
5357	481627.4	3768938	6.35E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00
5358	481618.4	3768941	6.32E-04	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00
5359	481609.4	3768945	6.29E-04	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00
5360	481600.4	3768949	6.27E-04	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00
5361	481591.4	3768952	6.25E-04	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00
5362	481582.4	3768956	6.23E-04	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00
5363	481573.4	3768959	6.21E-04	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00
5364	481564.4	3768963	6.20E-04	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00
5365	481555.4	3768967	6.18E-04	0.00E+00	0.00E+00	6.12E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.27E-05	0.00E+00	0.00E+00
5366	481546.3	3768970	6.17E-04	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00
5367	481980.1	3768530	2.73E-03	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00
5368	481980.1	3768520	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5369	481980.2	3768510	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
5370	481980.3	3768500	3.05E-03	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00
5371	481980.4	3768490	3.16E-03	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
5372	481980.4	3768480	3.25E-03	0.00E+00	0.00E+00	3.22E-03	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00
5373	481980.5	3768470	3.35E-03	0.00E+00	0.00E+00	3.31E-03	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00
5374	481980.6	3768460	3.43E-03	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00
5375	481980.7	3768450	3.51E-03	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00
5376	481980.7	3768440	3.58E-03	0.00E+00	0.00E+00	3.54E-03	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00
5377	481980.8	3768430	3.64E-03	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00
5378	481980.9	3768420	3.69E-03	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00
5379	481981	3768410	3.73E-03	0.00E+00	0.00E+00	3.69E-03	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00
5380	481981	3768400	3.77E-03	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00
5381	481981.1	3768390	3.79E-03	0.00E+00	0.00									

5510	481720.4	3768960	5.33E-04	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	9.69E-05	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00
5511	481711.2	3768964	5.32E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00
5512	481702.1	3768968	5.30E-04	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00
5513	481692.9	3768971	5.29E-04	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
5514	481683.7	3768975	5.26E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	9.57E-05	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00
5515	481674.5	3768979	5.24E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00
5516	481665.4	3768982	5.22E-04	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00
5517	481656.2	3768986	5.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00
5518	481647	3768990	5.19E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	9.43E-05	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00
5519	481637.8	3768993	5.28E-04	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	9.59E-05	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00
5520	481628.7	3768997	5.26E-04	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	9.56E-05	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00
5521	481619.5	3769001	5.24E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00
5522	481610.3	3769004	5.23E-04	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	9.49E-05	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00
5523	481601.1	3769008	5.21E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00
5524	481592	3769012	5.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	9.44E-05	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00
5525	481582.8	3769015	5.18E-04	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00
5526	481573.6	3769019	5.17E-04	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
5527	481564.4	3769023	5.16E-04	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00
5528	481555.3	3769026	5.15E-04	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00
5529	481546.1	3769030	5.14E-04	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	9.34E-05	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00
5530	482040.1	3768530	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
5531	482040.1	3768520	2.43E-03	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00
5532	482040.2	3768510	2.52E-03	0.00E+00	0.00E+00	2.49E-03	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00
5533	482040.3	3768500	2.60E-03	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5534	482040.4	3768490	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5535	482040.4	3768480	2.76E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5536	482040.5	3768470	2.84E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00
5537	482040.6	3768460	2.91E-03	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00
5538	482040.7	3768450	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
5539	482040.7	3768440	3.03E-03	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00
5540	482040.8	3768430	3.08E-03	0.00E+00	0.00E+00	3.05E-03	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00
5541	482040.9	3768420	3.12E-03	0.00E+00	0.00E+00	3.09E-03	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00
5542	482041	3768410	3.16E-03	0.00E+00	0.00E+00	3.13E-03	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00
5543	482041	3768400	3.19E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00
5544	482041.1	3768390	3.21E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
5545	482041.2	3768380	3.22E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
5546	482041.2	3768370	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00
5547	482041.3	3768360	3.23E-03	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00
5548	482041.4	3768350	3.22E-03	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00
5549	482066.2	3768539	2.14E-03	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00
5550	482062.3	3768549	2.08E-03	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00
5551	482058.4	3768558	2.02E-03	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00
5552	482054.5	3768567	1.96E-03	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00
5553	482050.6	3768576	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
5554	482046.7	3768585	1.84E-03	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
5555	482042.8	3768594	1.78E-03	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
5556	482038.9	3768604	1.72E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00
5557	482035	3768613	1.66E-03	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00
5558	482031.1	3768622	1.60E-03	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00
5559	482027.3	3768631	1.54E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00
5560	482023.4	3768640	1.49E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
5561	482019.5	3768649	1.44E-03	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
5562	482015.6	3768659	1.39E-03	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
5563	482007.8	3768677	1.30E-03	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00
5564	482003.9	3768686	1.25E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00
5565	482000	3768695	1.20E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00
5566	481996.1	3768704	1.15E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00
5567	481992.2	3768714	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00
5568	481988.3	3768723	1.06E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5569	481984.4	3768732	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
5570	481980.5	3768741	9.71E-04	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00
5571	481937.7	3768842	6.51E-04	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00
5572	481933.8	3768851	6.32E-04	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00
5573	481929.9	3768860	6.14E-04	0.00E+00	0.00E+00									

5606	481647.7	3769019	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00
5607	481638.4	3769023	4.84E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00
5608	481629.2	3769027	4.83E-04	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00
5609	481619.9	3769030	4.81E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	8.74E-05	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00
5610	481610.7	3769034	4.80E-04	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	4.87E-05	0.00E+00	0.00E+00
5611	481601.4	3769038	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
5612	481592.2	3769041	4.77E-04	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	8.67E-05	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00
5613	481582.9	3769045	4.76E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	8.65E-05	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00
5614	481573.7	3769049	4.75E-04	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	8.64E-05	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00
5615	481564.4	3769053	4.74E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.62E-05	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00
5616	481555.2	3769056	4.74E-04	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	8.60E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
5617	481545.9	3769060	4.73E-04	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00
5618	482070.1	3768530	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5619	482070.1	3768520	2.27E-03	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	4.13E-04	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00
5620	482070.2	3768510	2.35E-03	0.00E+00	0.00E+00	2.32E-03	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00
5621	482070.3	3768500	2.42E-03	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00
5622	482070.4	3768490	2.50E-03	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00
5623	482070.4	3768480	2.57E-03	0.00E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00
5624	482070.5	3768470	2.63E-03	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00
5625	482070.6	3768460	2.69E-03	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00
5626	482070.7	3768450	2.75E-03	0.00E+00	0.00E+00	2.72E-03	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00
5627	482070.7	3768440	2.80E-03	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00
5628	482070.8	3768430	2.85E-03	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00
5629	482070.9	3768420	2.89E-03	0.00E+00	0.00E+00	2.86E-03	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00
5630	482071	3768410	2.92E-03	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00
5631	482071	3768400	2.95E-03	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00
5632	482071.1	3768391	2.97E-03	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	5.40E-04	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00
5633	482071.2	3768381	2.98E-03	0.00E+00	0.00E+00	2.95E-03	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5634	482071.2	3768371	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5635	482071.3	3768361	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00
5636	482071.4	3768351	2.99E-03	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00
5637	482096.2	3768539	2.00E-03	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00
5638	482092.4	3768548	1.95E-03	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	1.98E-04	0.00E+00	0.00E+00
5639	482088.6	3768558	1.90E-03	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	1.93E-04	0.00E+00	0.00E+00
5640	482084.7	3768567	1.85E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00
5641	482080.9	3768576	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00
5642	482077.1	3768585	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
5643	482073.2	3768594	1.68E-03	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
5644	482069.4	3768603	1.63E-03	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00
5645	482065.6	3768612	1.57E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00
5646	482061.7	3768621	1.52E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00
5647	482057.9	3768630	1.47E-03	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00
5648	482054.1	3768639	1.41E-03	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00
5649	482050.2	3768648	1.36E-03	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00
5650	482046.4	3768657	1.32E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00
5651	482038.7	3768675	1.23E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00
5652	482034.9	3768684	1.19E-03	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00
5653	482031.1	3768693	1.14E-03	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00
5654	482027.2	3768702	1.10E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00
5655	482023.4	3768711	1.05E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00
5656	482019.6	3768720	1.01E-03	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00
5657	482015.7	3768729	9.76E-04	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00
5658	482011.9	3768738	9.39E-04	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00
5659	481965.9	3768847	6.25E-04	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	6.34E-05	0.00E+00	0.00E+00
5660	481962.1	3768856	6.08E-04	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	6.17E-05	0.00E+00	0.00E+00
5661	481958.2	3768865	5.91E-04	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	5.99E-05	0.00E+00	0.00E+00
5662	481954.4	3768874	5.74E-04	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00
5663	481950.6	3768883	5.59E-04	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00
5664	481946.7	3768892	5.45E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	9.90E-05	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00
5665	481942.9	3768901	5.32E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00
5666	481938.5	3768910	5.20E-04	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	9.42E-05	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00
5667	481934.1	3768919	5.08E-04	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	9.18E-05	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00
5668	481929.7	3768928	4.96E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00
5669	481925.3	3768937	4.84E-04	0.00E+00										

5702	481590.7	3769072	4.40E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
5703	481581.5	3769076	4.39E-04	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	4.46E-05	0.00E+00	0.00E+00
5704	481572.4	3769079	4.38E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.97E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
5705	481563.3	3769083	4.38E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	7.95E-05	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00
5706	481554.2	3769087	4.37E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00
5707	481545.1	3769090	4.37E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00
5708	482100.1	3768530	2.05E-03	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00
5709	482100.1	3768520	2.12E-03	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00
5710	482100.2	3768510	2.19E-03	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00
5711	482100.3	3768500	2.26E-03	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00
5712	482100.4	3768491	2.32E-03	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00
5713	482100.4	3768481	2.39E-03	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00
5714	482100.5	3768471	2.45E-03	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00
5715	482100.6	3768461	2.50E-03	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00
5716	482100.7	3768451	2.55E-03	0.00E+00	0.00E+00	2.53E-03	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00
5717	482100.7	3768441	2.60E-03	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00
5718	482100.8	3768431	2.64E-03	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00
5719	482100.9	3768421	2.68E-03	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00
5720	482100.9	3768411	2.71E-03	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00
5721	482101	3768401	2.74E-03	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00
5722	482101.1	3768391	2.76E-03	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00
5723	482101.2	3768381	2.77E-03	0.00E+00	0.00E+00	2.74E-03	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00
5724	482101.2	3768371	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
5725	482101.3	3768361	2.78E-03	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00
5726	482126.2	3768540	1.88E-03	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00
5727	482122.3	3768549	1.83E-03	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00
5728	482118.5	3768558	1.79E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00
5729	482114.6	3768567	1.74E-03	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00
5730	482110.8	3768576	1.69E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00
5731	482106.9	3768585	1.63E-03	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00
5732	482103	3768594	1.58E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00
5733	482099.2	3768603	1.53E-03	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00
5734	482095.3	3768613	1.48E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00
5735	482091.5	3768622	1.44E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00
5736	482087.6	3768631	1.39E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00
5737	482083.7	3768640	1.34E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00
5738	482079.9	3768649	1.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00
5739	482076	3768658	1.24E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00
5740	482068.3	3768676	1.16E-03	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00
5741	482064.4	3768685	1.12E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00
5742	482060.6	3768694	1.08E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00
5743	482056.7	3768704	1.03E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00
5744	482052.8	3768713	9.97E-04	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00
5745	482049	3768722	9.61E-04	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	0.00E+00
5746	482002.6	3768831	6.35E-04	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00
5747	481998.8	3768840	6.17E-04	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00
5748	481994.9	3768849	6.01E-04	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	6.09E-05	0.00E+00	0.00E+00
5749	481991.1	3768858	5.84E-04	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00
5750	481987.2	3768867	5.68E-04	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00
5751	481983.3	3768876	5.52E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00
5752	481979.5	3768885	5.37E-04	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	9.76E-05	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00
5753	481975.6	3768895	5.24E-04	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	5.32E-05	0.00E+00	0.00E+00
5754	481971.8	3768904	5.12E-04	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00
5755	481967.9	3768913	5.00E-04	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00
5756	481964	3768922	4.89E-04	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00
5757	481960.2	3768931	4.78E-04	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00
5758	481956.3	3768940	4.68E-04	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	4.75E-05	0.00E+00	0.00E+00
5759	481952.4	3768949	4.58E-04	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00
5760	481921.1	3768969	4.44E-04	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	8.07E-05	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00
5761	481911.9	3768973	4.43E-04	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00
5762	481902.7	3768977	4.42E-04	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	8.03E-05	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00
5763	481893.5	3768980	4.41E-04	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00
5764	481884.4	3768984	4.39E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	7.98E-05	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00
5765	481875.2	3768988	4.37E-04	0.00E+00	0.00E+									

5894	481393.5	3768287	8.09E-03	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00
5895	481384	3768287	7.77E-03	0.00E+00	0.00E+00	7.69E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00
5896	481374.5	3768287	7.48E-03	0.00E+00	0.00E+00	7.40E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00
5897	481365	3768287	7.22E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00
5898	481355.5	3768287	7.01E-03	0.00E+00	0.00E+00	6.93E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00
5899	481346	3768287	6.84E-03	0.00E+00	0.00E+00	6.76E-03	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
5900	481551	3768288	1.18E-02	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00
5901	481567.3	3768295	1.25E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
5902	481578.7	3768306	1.40E-02	0.00E+00	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00
5903	481585.3	3768323	1.65E-02	0.00E+00	0.00E+00	1.63E-02	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00
5904	481517.2	3768278	1.01E-02	0.00E+00	0.00E+00	9.95E-03	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00
5905	481507.7	3768278	9.91E-03	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00
5906	481498.2	3768278	9.75E-03	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00
5907	481488.7	3768278	9.57E-03	0.00E+00	0.00E+00	9.47E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.70E-04	0.00E+00	0.00E+00
5908	481479.1	3768278	9.36E-03	0.00E+00	0.00E+00	9.27E-03	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00
5909	481469.6	3768277	9.11E-03	0.00E+00	0.00E+00	9.01E-03	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00
5910	481460.1	3768277	8.83E-03	0.00E+00	0.00E+00	8.74E-03	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00
5911	481450.6	3768277	8.54E-03	0.00E+00	0.00E+00	8.45E-03	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00
5912	481441.1	3768277	8.24E-03	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00
5913	481431.6	3768277	7.94E-03	0.00E+00	0.00E+00	7.86E-03	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00
5914	481422.1	3768277	7.64E-03	0.00E+00	0.00E+00	7.56E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00
5915	481412.6	3768277	7.34E-03	0.00E+00	0.00E+00	7.26E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
5916	481403.1	3768277	7.05E-03	0.00E+00	0.00E+00	6.98E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00
5917	481393.6	3768277	6.77E-03	0.00E+00	0.00E+00	6.70E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
5918	481384.1	3768277	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
5919	481374.5	3768277	6.28E-03	0.00E+00	0.00E+00	6.22E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00
5920	481365	3768277	6.08E-03	0.00E+00	0.00E+00	6.02E-03	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00
5921	481355.5	3768277	5.91E-03	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00
5922	481346	3768277	5.77E-03	0.00E+00	0.00E+00	5.71E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00
5923	481566.5	3768285	1.10E-02	0.00E+00	0.00E+00	1.09E-02	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
5924	481585.6	3768299	1.26E-02	0.00E+00	0.00E+00	1.25E-02	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00
5925	481592.1	3768315	1.47E-02	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00
5926	481517.2	3768268	8.74E-03	0.00E+00	0.00E+00	8.65E-03	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00
5927	481507.7	3768268	8.59E-03	0.00E+00	0.00E+00	8.50E-03	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00
5928	481498.2	3768268	8.43E-03	0.00E+00	0.00E+00	8.34E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00
5929	481488.7	3768268	8.25E-03	0.00E+00	0.00E+00	8.16E-03	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00
5930	481479.2	3768268	8.05E-03	0.00E+00	0.00E+00	7.97E-03	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00
5931	481469.7	3768268	7.81E-03	0.00E+00	0.00E+00	7.73E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00
5932	481460.2	3768268	7.57E-03	0.00E+00	0.00E+00	7.49E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00
5933	481450.7	3768268	7.31E-03	0.00E+00	0.00E+00	7.23E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00
5934	481441.2	3768268	7.04E-03	0.00E+00	0.00E+00	6.97E-03	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00
5935	481431.6	3768267	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
5936	481422.1	3768267	6.52E-03	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00
5937	481412.6	3768267	6.26E-03	0.00E+00	0.00E+00	6.19E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00
5938	481403.1	3768267	6.02E-03	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00
5939	481393.6	3768267	5.79E-03	0.00E+00	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00
5940	481384.1	3768267	5.57E-03	0.00E+00	0.00E+00	5.52E-03	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00
5941	481374.6	3768267	5.38E-03	0.00E+00	0.00E+00	5.33E-03	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00
5942	481365.1	3768267	5.22E-03	0.00E+00	0.00E+00	5.16E-03	0.00E+00	0.00E+00	9.48E-04	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00
5943	481355.6	3768267	5.07E-03	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00
5944	481346.1	3768267	4.96E-03	0.00E+00	0.00E+00	4.91E-03	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00
5945	481565.9	3768274	9.73E-03	0.00E+00	0.00E+00	9.63E-03	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00
5946	481581.6	3768281	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
5947	481592.6	3768292	1.14E-02	0.00E+00	0.00E+00	1.13E-02	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00
5948	481599	3768308	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
5949	481605.4	3768324	1.49E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	2.71E-03	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00
5950	481517.3	3768258	7.65E-03	0.00E+00	0.00E+00	7.57E-03	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00
5951	481507.8	3768258	7.50E-03	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00
5952	481498.2	3768258	7.35E-03	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00
5953	481488.7	3768258	7.18E-03	0.00E+00	0.00E+00	7.10E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
5954	481479.2	3768258	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00
5955	481469.7	3768258	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00
5956	481460.2	3768258	6.56E-03	0.00E+00	0.00E+00	6.49E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00
5957	481450.7	3768258	6.33E-03	0.00E+00	0.00E+00									

5990	481422.2	3768248	4.94E-03	0.00E+00	0.00E+00	4.89E-03	0.00E+00	0.00E+00	8.97E-04	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00
5991	481412.7	3768248	4.75E-03	0.00E+00	0.00E+00	4.70E-03	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00
5992	481403.2	3768248	4.58E-03	0.00E+00	0.00E+00	4.53E-03	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00
5993	481393.7	3768248	4.41E-03	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00
5994	481384.2	3768248	4.26E-03	0.00E+00	0.00E+00	4.22E-03	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00
5995	481374.7	3768248	4.13E-03	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00
5996	481365.2	3768248	4.01E-03	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00
5997	481355.7	3768247	3.90E-03	0.00E+00	0.00E+00	3.86E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00
5998	481346.1	3768247	3.82E-03	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00
5999	481336.6	3768247	3.74E-03	0.00E+00	0.00E+00	3.70E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
6000	481552.4	3768249	7.18E-03	0.00E+00	0.00E+00	7.11E-03	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00
6001	481560.9	3768253	7.52E-03	0.00E+00	0.00E+00	7.44E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00
6002	481569.4	3768256	7.83E-03	0.00E+00	0.00E+00	7.75E-03	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00
6003	481577.9	3768260	8.14E-03	0.00E+00	0.00E+00	8.05E-03	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.25E-04	0.00E+00	0.00E+00
6004	481586.4	3768263	8.41E-03	0.00E+00	0.00E+00	8.33E-03	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00
6005	481594.9	3768267	8.66E-03	0.00E+00	0.00E+00	8.57E-03	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00
6006	481606.8	3768279	9.58E-03	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	9.72E-04	0.00E+00	0.00E+00
6007	481610.3	3768288	1.03E-02	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00
6008	481613.8	3768296	1.11E-02	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00
6009	481617.3	3768305	1.18E-02	0.00E+00	0.00E+00	1.17E-02	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00
6010	481620.7	3768313	1.26E-02	0.00E+00	0.00E+00	1.24E-02	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00
6011	481624.2	3768322	1.32E-02	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00
6031	481551.9	3768239	6.40E-03	0.00E+00	0.00E+00	6.34E-03	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00
6032	481560.3	3768243	6.70E-03	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00
6033	481568.6	3768246	6.99E-03	0.00E+00	0.00E+00	6.92E-03	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00
6034	481577	3768250	7.27E-03	0.00E+00	0.00E+00	7.20E-03	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00
6035	481585.3	3768253	7.54E-03	0.00E+00	0.00E+00	7.46E-03	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00
6036	481593.7	3768257	7.78E-03	0.00E+00	0.00E+00	7.70E-03	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00
6039	481620.6	3768289	1.01E-02	0.00E+00	0.00E+00	1.00E-02	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00
6040	481624	3768297	1.08E-02	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00
6041	481630.8	3768314	1.20E-02	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00
6061	481551.6	3768229	5.74E-03	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00
6062	481568	3768236	6.27E-03	0.00E+00	0.00E+00	6.20E-03	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00
6063	481584.5	3768243	6.78E-03	0.00E+00	0.00E+00	6.71E-03	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00
6064	481600.9	3768250	7.22E-03	0.00E+00	0.00E+00	7.14E-03	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00
6066	481627.4	3768281	9.27E-03	0.00E+00	0.00E+00	9.17E-03	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00
6067	481634.2	3768298	1.04E-02	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00
6089	481567.6	3768226	5.64E-03	0.00E+00	0.00E+00	5.58E-03	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00
6090	481583.8	3768233	6.11E-03	0.00E+00	0.00E+00	6.05E-03	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00
6091	481600	3768240	6.53E-03	0.00E+00	0.00E+00	6.47E-03	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00
6118	481553.1	3768210	4.72E-03	0.00E+00	0.00E+00	4.67E-03	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00
6119	481561.8	3768214	4.95E-03	0.00E+00	0.00E+00	4.90E-03	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00
6120	481570.5	3768217	5.19E-03	0.00E+00	0.00E+00	5.13E-03	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00
6121	481579.2	3768221	5.42E-03	0.00E+00	0.00E+00	5.36E-03	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00
6122	481587.9	3768225	5.65E-03	0.00E+00	0.00E+00	5.59E-03	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00
6123	481596.6	3768228	5.86E-03	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00
6156	481552.7	3768200	4.28E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00
6157	481561.3	3768204	4.49E-03	0.00E+00	0.00E+00	4.44E-03	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00
6158	481569.9	3768207	4.70E-03	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00
6159	481578.4	3768211	4.91E-03	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00
6160	481587	3768214	5.11E-03	0.00E+00	0.00E+00	5.06E-03	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00
6161	481595.5	3768218	5.31E-03	0.00E+00	0.00E+00	5.26E-03	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00
6196	481552.4	3768190	3.89E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
6197	481560.9	3768194	4.08E-03	0.00E+00	0.00E+00	4.04E-03	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00
6198	481569.3	3768197	4.27E-03	0.00E+00	0.00E+00	4.23E-03	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00
6199	481577.8	3768201	4.46E-03	0.00E+00	0.00E+00	4.41E-03	0.00E+00	0.00E+00	8.10E-04	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00
6200	481586.2	3768204	4.64E-03	0.00E+00	0.00E+00	4.60E-03	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00
6201	481594.7	3768208	4.83E-03	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00
6202	481603.1	3768211	5.01E-03	0.00E+00	0.00E+00	4.95E-03	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00
6239	481568.9	3768187	3.90E-03	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00
6240	481577.2	3768191	4.06E-03	0.00E+00	0.00E+00	4.02E-03	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00
6241	481585.6	3768194	4.23E-03	0.00E+00	0.00E+00	4.19E-03	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00
6242	481593.9	3768198	4.40E-03	0.00E+00	0.00E+00	4.35E-03	0.00E+00	0.00E+00	7.99E-04	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00
6243	481602.3	3768201	4.56E-03	0.00E+00	0.00E+									

7768	481462.4	3767741	3.67E-04	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00
7769	481452.8	3767741	3.63E-04	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00
7770	481443.3	3767741	3.59E-04	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00

Warehouse	Daily Trips				Total
	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	
	866				
Percentage	72.5%	4.6%	5.7%	17.2%	100%
# Daily Vehicles	627.85	39.84	49.36	148.95	866
# Annual Vehicles	229,165	14,540	18,017	54,367	316,090

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	14,540	16.7%	2.49E-05
3-Axle Trks	18,017	20.7%	2.86E-05
4-Axle Trks	54,367	62.5%	6.83E-05
Total	86,925	100%	---

DPM Lbs/ Yr	TEN_IN1	KAN_IN1	WES_IN1	TEN_OUT1	KAN_OUT1	WES_OUT1	Total
Distance (m)	726.5	1009.4	342.3	726.8	990.3	370.6	4165.9
Miles	0.45	0.63	0.21	0.45	0.62	0.23	2.59
2-Axle Trks	1.12E-05	1.56E-05	5.30E-06	1.12E-05	1.53E-05	5.74E-06	2.69E-05
3-Axle Trks	1.29E-05	1.79E-05	6.08E-06	1.29E-05	1.76E-05	6.58E-06	3.08E-05
4-Axle Trks	3.09E-05	4.29E-05	1.45E-05	3.09E-05	4.21E-05	1.57E-05	7.37E-05
Total	5.50E-05	7.64E-05	2.59E-05	5.50E-05	7.50E-05	2.81E-05	1.31E-04

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	14,540	16.7%	6.39E-05
3-Axle Trks	18,017	20.7%	2.55E-05
4-Axle Trks	54,367	62.5%	7.00E-05
Total	86,925	100%	---

DPM Lbs/ Yr	IN	IN2	IN3	OUT1	OUT2	OUT3	Total
Gas Only	N	N	N	N	N	N	N
Distance (m)	245.8	108	210.1	245.8	108	210.1	1127.8
Miles	0.15	0.07	0.13	0.15	0.07	0.13	0.70
2-Axle Trks	9.76E-06	4.29E-06	8.34E-06	9.76E-06	4.29E-06	8.34E-06	4.48E-05
3-Axle Trks	3.89E-06	1.71E-06	3.33E-06	3.89E-06	1.71E-06	3.33E-06	1.75E-05
4-Axle Trks	1.07E-05	4.70E-06	9.14E-06	1.07E-05	4.70E-06	9.14E-06	4.91E-05
Total	2.43E-05	1.07E-05	2.08E-05	2.43E-05	1.07E-05	2.08E-05	1.12E-04

Truck Idle

Truck Idling											
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs/ Yr /Unit	14	0	0	0	0	Total
2-Axle Trks	14,540	6.09E-05	0.25	2.21E-01	1.58E-02	2.21E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-01
3-Axle Trks	18,017	5.55E-05	0.25	2.50E-01	1.79E-02	2.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-01
4-Axle Trks	54,367	8.80E-05	0.25	1.20E+00	8.55E-02	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+00
Total	86,925	---	---	1.67E+00	1.19E-01	1.19E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E+00

TRUs

Onsite TRU Emissions			
Category	Percentage	# of TRUs / Yr	*DPM EF (lbs/Event)
2-Axle Trks	15.5	0	0.00
3-Axle Trks	4.9	0	4.19E-03
4-Axle Trks	24.3	0	0.00
Total	45	0	Emission/Unit

*TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	229,165	68%	32.14%
# Vehicles	155,501		73,664

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	3.21E-05	5.26E-04
LDT	7.55E-05	9.27E-04

CARB TOG Speciation Profile Run Exhaust		Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA
75070	Acetaldehyde	2.80E-03	1.40E-02
107028	Acrolein	1.30E-03	6.48E-03
71432	Benzene	2.47E-02	1.23E-01
106990	1,3-Butadiene	5.50E-03	2.74E-02
100414	Ethylbenzene	1.05E-02	5.24E-02
50000	Formaldehyde	1.58E-02	7.88E-02
110543	Hexane	1.60E-02	7.98E-02
67561	Methanol	1.20E-03	5.98E-03
78933	Methyl Ethyl Ketone	2.00E-04	9.97E-04
91203	Naphthalene	5.00E-04	2.49E-03
115071	Propylene	3.06E-02	1.53E-01
100425	Styrene	1.20E-03	5.98E-03
108883	Toluene	5.76E-02	2.87E-01
1330207	Xylenes	4.80E-02	2.39E-01
9901	Diesel	1.61E-02	5.53E+00

Vehicle Emissions Travel Summary

Emissions Summary	CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/Yr	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance			
					TEN_IN1	KAN_IN1	WES_IN1	TEN_OUT1	KAN_OUT1	WES_OUT1	IN	IN2	IN3	OUT1	OUT2	OUT3	Lbs/Hr	Lbs/Yr	Lbs/Hr	Lbs/Yr	Lbs/Hr	Lbs/Yr	Lbs/Hr	Lbs/Yr	Lbs/Hr	Lbs/Yr	Lbs/Hr	Lbs/Yr			Lbs/Hr	Lbs/Yr	
					0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			0%	0%	0%
						13.72%	19.07%	6.47%	13.73%	18.71%	7.00%	4.64%	2.04%	3.97%	4.64%	2.04%	3.97%	4.64%	2.04%	3.97%	4.64%	2.04%	3.97%	4.64%	2.04%	3.97%	4.64%	2.04%	3.97%	100.00%	5293.7		
						0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
						9.84E-06	2.95E-02	6.10E-07	1.83E-03	1.18E-06	3.53E-03	1.35E-07	4.06E-04	6.10E-07	1.83E-03	1.13E-06	3.40E-03	1.59E-07	4.76E-04	6.98E-08	2.09E-04	1.35E-08	4.04E-05	5.10E-08	1.53E-04	6.98E-08	2.09E-04	1.35E-08	4.04E-05	5.10E-08	1.53E-04	4.09E-06	1.23E-02
						4.57E-06	1.37E-02	2.83E-07	8.50E-04	5.47E-07	1.64E-03	6.29E-08	1.89E-04	2.83E-07	8.50E-04	5.26E-07	1.58E-03	7.37E-08	2.21E-04	3.24E-08	9.73E-05	6.26E-09	1.88E-05	2.37E-08	7.11E-05	3.24E-08	9.73E-05	6.26E-09	1.88E-05	2.37E-08	7.11E-05	1.90E-06	5.70E-03
						9.95E-05	2.98E-01	6.17E-06	1.85E-02	1.19E-05	3.57E-02	1.37E-06	4.11E-03	6.17E-06	1.85E-02	1.15E-05	3.44E-02	1.60E-06	4.81E-03	7.06E-07	2.12E-03	1.36E-07	4.09E-04	5.16E-07	1.55E-03	7.06E-07	2.12E-03	1.36E-07	4.09E-04	5.16E-07	1.55E-03	4.14E-05	1.24E-01
						1.93E-05	5.80E-02	1.20E-06	3.59E-03	2.31E-06	6.94E-03	2.66E-07	7.98E-04	1.20E-06	3.59E-03	2.23E-06	6.68E-03	3.12E-07	9.35E-04	1.37E-07	4.11E-04	2.65E-08	7.94E-05	1.00E-07	3.01E-04	1.37E-07	4.11E-04	2.65E-08	7.94E-05	1.00E-07	3.01E-04	8.04E-06	2.41E-02
						4.11E-05	1.23E-01	2.54E-06	7.63E-03	4.91E-06	1.47E-02	5.65E-07	1.69E-03	2.55E-06	7.64E-03	4.73E-06	1.42E-02	6.62E-07	1.99E-03	2.91E-07	8.74E-04	5.62E-08	1.69E-04	2.13E-07	6.38E-04	2.91E-07	8.74E-04	5.62E-08	1.69E-04	2.13E-07	6.38E-04	1.71E-05	5.12E-02
						5.55E-05	1.67E-01	3.44E-06	1.03E-02	6.64E-06	1.99E-02	7.64E-07	2.29E-03	3.44E-06	1.03E-02	6.40E-06	1.92E-02	8.96E-07	1.18E-03	7.61E-08	2.28E-04	2.88E-07	8.64E-04	3.94E-07	1.18E-03	7.61E-08	2.28E-04	2.88E-07	8.64E-04	3.94E-07	1.18E-03	2.31E-05	6.93E-02
						1.10E-04	3.31E-01	6.84E-06	2.05E-02	1.32E-05	3.96E-02	1.52E-06	4.56E-03	6.85E-06	2.05E-02	1.27E-05	3.81E-02	1.78E-06	5.34E-03	7.83E-07	2.35E-03	1.51E-07	4.54E-04	5.72E-07	1.72E-03	7.83E-07	2.35E-03	1.51E-07	4.54E-04	5.72E-07	1.72E-03	4.59E-05	1.38E-01
						4.22E-06	1.27E-02	2.61E-07	7.84E-04	5.05E-07	1.51E-03	5.80E-08	1.74E-04	2.62E-07	7.85E-04	4.86E-07	1.46E-03	6.80E-08	2.04E-04	2.99E-08	8.98E-05	5.78E-09	1.73E-05	2.19E-08	6.56E-05	2.99E-08	8.98E-05	5.78E-09	1.73E-05	2.19E-08	6.56E-05	1.75E-06	5.26E-03
						7.03E-07	2.11E-03	4.36E-08	1.31E-04	8.41E-08	2.52E-04	9.67E-09	2.90E-05	4.36E-08	1.31E-04	8.10E-08	2.43E-04	1.13E-08	3.40E-05	4.99E-09	1.50E-05	9.63E-10	2.89E-06	3.64E-09	1.09E-05	4.99E-09	1.50E-05	9.63E-10	2.89E-06	3.64E-09	1.09E-05	2.92E-07	8.77E-04
						1.76E-06	5.27E-03	1.09E-07	3.27E-04	2.10E-07	6.31E-04	2.42E-08	7.25E-05	1.09E-07	3.27E-04	2.02E-07	6.07E-04	2.83E-08	8.50E-05	1.25E-08	3.74E-05	2.41E-09	7.22E-06	9.11E-09	2.73E-05	1.25E-08	3.74E-05	2.41E-09	7.22E-06	9.11E-09	2.73E-05	7.31E-07	2.19E-03
						1.08E-04	3.23E-01	6.67E-06	2.00E-02	1.29E-05	3.86E-02	1.48E-06	4.44E-03	6.67E-06	2.00E-02	1.24E-05	3.72E-02	1.73E-06	5.20E-03	7.63E-07	2.29E-03	1.47E-07	4.42E-04	5.58E-07	1.67E-03	7.63E-07	2.29E-03	1.47E-07	4.42E-04	5.58E-07	1.67E-03	4.47E-05	1.34E-01
						4.22E-06	1.27E-02	2.61E-07	7.84E-04	5.05E-07	1.51E-03	5.80E-08	1.74E-04	2.62E-07	7.85E-04	4.86E-07	1.46E-03	6.80E-08	2.04E-04	2.99E-08	8.98E-05	5.78E-09	1.73E-05	2.19E-08	6.56E-05	2.99E-08	8.98E-05	5.78E-09	1.73E-05	2.19E-08	6.56E-05	1.75E-06	5.26E-03
						2.62E-04	7.87E-01	1.63E-05	4.88E-02	3.14E-05	9.41E-02	3.61E-06	1.08E-02	1.17E-05	4.88E-02	3.02E-05	9.06E-02	4.23E-06	1.27E-02	1.86E-06	5.58E-03	3.59E-07	1.08E-03	1.36E-06	4.08E-03	1.86E-06	5.58E-03	3.59E-07	1.08E-03	1.36E-06	4.08E-03	1.06E-04	3.27E-01
						1.89E-04	5.67E-01	1.17E-05	3.51E-02	2.26E-05	6.79E-02	2.60E-06	7.80E-03	1.17E-05	3.52E-02	2.18E-05	6.53E-02																

10	26	109	10	12	OUT1	0	0	100425 Styrene	1	8.98E-05	2.99E-08	1
10	26	110	10	13	OUT1	0	0	108883 Toluene	1	5.58E-03	1.86E-06	1
10	26	111	10	14	OUT1	0	0	1330207 Xylenes	1	4.02E-03	1.34E-06	1
10	26	112	10	15	OUT1	0	0	9901 Diesel	1	5.79E-02	1.93E-05	1
11	28	98	11	1	OUT2	0	0	75070 Acetaldehyde	1	4.04E-05	1.35E-08	1
11	28	99	11	2	OUT2	0	0	107028 Acrolein	1	1.88E-05	6.26E-09	1
11	28	100	11	3	OUT2	0	0	71432 Benzene	1	4.09E-04	1.36E-07	1
11	28	101	11	4	OUT2	0	0	106990 1-3,Butadiene	1	7.94E-05	2.65E-08	1
11	28	102	11	5	OUT2	0	0	100414 Ethylbenzene	1	1.69E-04	5.62E-08	1
11	28	103	11	6	OUT2	0	0	50000 Formaldehyde	1	2.28E-04	7.61E-08	1
11	28	104	11	7	OUT2	0	0	110543 Hexane	1	4.54E-04	1.51E-07	1
11	28	105	11	8	OUT2	0	0	67561 Methanol	1	1.73E-05	5.78E-09	1
11	28	106	11	9	OUT2	0	0	78933 Methyl Ethyl Ketone	1	2.89E-06	9.83E-10	1
11	28	107	11	10	OUT2	0	0	91203 Naphthalene	1	7.22E-06	2.41E-09	1
11	28	108	11	11	OUT2	0	0	115071 Propylene	1	4.42E-04	1.47E-07	1
11	28	109	11	12	OUT2	0	0	100425 Styrene	1	1.73E-05	5.78E-09	1
11	28	110	11	13	OUT2	0	0	108883 Toluene	1	1.08E-03	3.59E-07	1
11	28	111	11	14	OUT2	0	0	1330207 Xylenes	1	7.77E-04	2.59E-07	1
11	28	112	11	15	OUT2	0	0	9901 Diesel	1	1.12E-02	3.72E-06	1
12	30	98	12	1	OUT3	0	0	75070 Acetaldehyde	1	1.53E-04	5.10E-08	1
12	30	99	12	2	OUT3	0	0	107028 Acrolein	1	7.11E-05	2.37E-08	1
12	30	100	12	3	OUT3	0	0	71432 Benzene	1	1.55E-03	5.16E-07	1
12	30	101	12	4	OUT3	0	0	106990 1-3,Butadiene	1	3.01E-04	1.00E-07	1
12	30	102	12	5	OUT3	0	0	100414 Ethylbenzene	1	6.38E-04	2.13E-07	1
12	30	103	12	6	OUT3	0	0	50000 Formaldehyde	1	8.64E-04	2.88E-07	1
12	30	104	12	7	OUT3	0	0	110543 Hexane	1	1.72E-03	5.72E-07	1
12	30	105	12	8	OUT3	0	0	67561 Methanol	1	6.56E-05	2.19E-08	1
12	30	106	12	9	OUT3	0	0	78933 Methyl Ethyl Ketone	1	1.09E-05	3.64E-09	1
12	30	107	12	10	OUT3	0	0	91203 Naphthalene	1	2.73E-05	9.11E-09	1
12	30	108	12	11	OUT3	0	0	115071 Propylene	1	1.67E-03	5.58E-07	1
12	30	109	12	12	OUT3	0	0	100425 Styrene	1	6.56E-05	2.19E-08	1
12	30	110	12	13	OUT3	0	0	108883 Toluene	1	4.08E-03	1.36E-06	1
12	30	111	12	14	OUT3	0	0	1330207 Xylenes	1	2.94E-03	9.80E-07	1
12	30	112	12	15	OUT3	0	0	9901 Diesel	1	4.23E-02	1.41E-05	1
Idle	8	98	13	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle	0	0	9901 Diesel	1	1.19E-01	0.00E+00	1
Idle	9	98	14	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	99	14	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	9	100	14	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	9	101	14	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	9	102	14	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	9	103	14	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	104	14	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	9	105	14	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	9	106	14	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	9	107	14	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	9	108	14	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	9	109	14	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	9	110	14	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	9	111	14	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	9	37	14	15	Idle	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
Idle	10	98	15	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	99	15	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	10	100	15	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	10	101	15	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	10	102	15	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	10	103	15	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	104	15	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	10	105	15	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	10	106	15	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	10	107	15	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	10	108	15	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	10	109	15	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	10	110	15	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	10	111	15	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	10	37	15	15	Idle	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
Idle	11	98	16	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	99	16	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	11	100	16	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	11	101	16	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	11	102	16	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	11	103	16	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	104	16	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	11	105	16	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	11	106	16	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	11	107	16	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	11	108	16	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	11	109	16	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	11	110	16	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	11	111	16	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	11	37	16	15	Idle	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
Idle	12	98	17	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	99	17	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	12	100	17	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	12	101	17	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	12	102	17	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	12	103	17	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	104	17	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	12	105	17	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	12	106	17	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	12	107	17	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	12	108	17	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	12	109	17	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	12	110	17	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	12	111	17	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	12	37	17	15	Idle	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
Idle	13	98	18	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	99	18	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	13	100	18	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	13	101	18	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1

10	26	109	10	12	OUT1	0	0	100425 Styrene	1	7.59E-06	2.53E-09	1
10	26	110	10	13	OUT1	0	0	108883 Toluene	1	4.72E-04	1.57E-07	1
10	26	111	10	14	OUT1	0	0	1330207 Xylenes	1	3.40E-04	1.13E-07	1
10	26	112	10	15	OUT1	0	0	9901 Diesel	1	4.91E-03	1.63E-06	1
11	28	98	11	1	OUT2	0	0	75070 Acetaldehyde	1	3.42E-06	1.14E-09	1
11	28	99	11	2	OUT2	0	0	107028 Acrolein	1	1.59E-06	5.29E-10	1
11	28	100	11	3	OUT2	0	0	71432 Benzene	1	3.46E-05	1.15E-08	1
11	28	101	11	4	OUT2	0	0	106990 1-3,Butadiene	1	6.72E-06	2.24E-09	1
11	28	102	11	5	OUT2	0	0	100414 Ethylbenzene	1	1.43E-05	4.75E-09	1
11	28	103	11	6	OUT2	0	0	50000 Formaldehyde	1	1.93E-05	6.43E-09	1
11	28	104	11	7	OUT2	0	0	110543 Hexane	1	3.83E-05	1.28E-08	1
11	28	105	11	8	OUT2	0	0	67561 Methanol	1	1.47E-06	4.88E-10	1
11	28	106	11	9	OUT2	0	0	78933 Methyl Ethyl Ketone	1	2.44E-07	8.14E-11	1
11	28	107	11	10	OUT2	0	0	91203 Naphthalene	1	6.11E-07	2.04E-10	1
11	28	108	11	11	OUT2	0	0	115071 Propylene	1	3.74E-05	1.25E-08	1
11	28	109	11	12	OUT2	0	0	100425 Styrene	1	1.47E-06	4.88E-10	1
11	28	110	11	13	OUT2	0	0	108883 Toluene	1	9.11E-05	3.04E-08	1
11	28	111	11	14	OUT2	0	0	1330207 Xylenes	1	6.57E-05	2.19E-08	1
11	28	112	11	15	OUT2	0	0	9901 Diesel	1	9.55E-04	3.15E-07	1
12	30	98	12	1	OUT3	0	0	75070 Acetaldehyde	1	1.29E-05	4.31E-09	1
12	30	99	12	2	OUT3	0	0	107028 Acrolein	1	6.01E-06	2.00E-09	1
12	30	100	12	3	OUT3	0	0	71432 Benzene	1	1.31E-04	4.36E-08	1
12	30	101	12	4	OUT3	0	0	106990 1-3,Butadiene	1	2.54E-05	8.47E-09	1
12	30	102	12	5	OUT3	0	0	100414 Ethylbenzene	1	5.40E-05	1.80E-08	1
12	30	103	12	6	OUT3	0	0	50000 Formaldehyde	1	7.30E-05	2.43E-08	1
12	30	104	12	7	OUT3	0	0	110543 Hexane	1	1.45E-04	4.84E-08	1
12	30	105	12	8	OUT3	0	0	67561 Methanol	1	5.55E-06	1.85E-09	1
12	30	106	12	9	OUT3	0	0	78933 Methyl Ethyl Ketone	1	9.24E-07	3.08E-10	1
12	30	107	12	10	OUT3	0	0	91203 Naphthalene	1	2.31E-06	7.70E-10	1
12	30	108	12	11	OUT3	0	0	115071 Propylene	1	1.41E-04	4.71E-08	1
12	30	109	12	12	OUT3	0	0	100425 Styrene	1	5.55E-06	1.85E-09	1
12	30	110	12	13	OUT3	0	0	108883 Toluene	1	3.45E-04	1.15E-07	1
12	30	111	12	14	OUT3	0	0	1330207 Xylenes	1	2.49E-04	8.29E-08	1
12	30	112	12	15	OUT3	0	0	9901 Diesel	1	3.59E-03	1.19E-06	1
Idle	8	98	13	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle	0	0	9901 Diesel	1	2.10E-02	0.00E+00	1
Idle	9	98	14	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	99	14	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	9	100	14	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	9	101	14	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	9	102	14	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	9	103	14	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	9	104	14	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	9	105	14	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	9	106	14	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	9	107	14	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	9	108	14	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	9	109	14	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	9	110	14	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	9	111	14	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	9	37	14	15	Idle	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
Idle	10	98	15	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	99	15	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	10	100	15	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	10	101	15	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	10	102	15	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	10	103	15	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	10	104	15	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	10	105	15	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	10	106	15	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	10	107	15	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	10	108	15	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	10	109	15	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	10	110	15	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	10	111	15	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	10	37	15	15	Idle	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
Idle	11	98	16	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	99	16	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	11	100	16	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	11	101	16	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	11	102	16	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	11	103	16	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	11	104	16	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	11	105	16	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	11	106	16	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	11	107	16	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	11	108	16	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	11	109	16	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	11	110	16	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	11	111	16	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	11	37	16	15	Idle	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
Idle	12	98	17	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	99	17	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	12	100	17	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	12	101	17	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	12	102	17	5	Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	12	103	17	6	Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	12	104	17	7	Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
Idle	12	105	17	8	Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	12	106	17	9	Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	12	107	17	10	Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	12	108	17	11	Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	12	109	17	12	Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	12	110	17	13	Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	12	111	17	14	Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	12	37	17	15	Idle	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
Idle	13	98	18	1	Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	13	99	18	2	Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	13	100	18	3	Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	13	101	18	4	Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1

TEN_IN1	0	0	75070 Acetaldehyde	1	1.98E-03	6.62E-07	1
TEN_IN1	0	0	107028 Acrolein	1	9.21E-04	3.07E-07	1
TEN_IN1	0	0	71432 Benzene	1	2.01E-02	6.69E-06	1
TEN_IN1	0	0	106990 1-3,Butadiene	1	3.90E-03	1.30E-06	1
TEN_IN1	0	0	100414 Ethylbenzene	1	8.28E-03	2.76E-06	1
TEN_IN1	0	0	50000 Formaldehyde	1	1.12E-02	3.73E-06	1
TEN_IN1	0	0	110543 Hexane	1	2.23E-02	7.42E-06	1
TEN_IN1	0	0	67561 Methanol	1	8.51E-04	2.84E-07	1
TEN_IN1	0	0	78933 Methyl Ethyl Ketone	1	1.42E-04	4.73E-08	1
TEN_IN1	0	0	91203 Naphthalene	1	3.54E-04	1.18E-07	1
TEN_IN1	0	0	115071 Propylene	1	2.17E-02	7.23E-06	1
TEN_IN1	0	0	100425 Styrene	1	8.51E-04	2.84E-07	1
TEN_IN1	0	0	108883 Toluene	1	5.29E-02	1.76E-05	1
TEN_IN1	0	0	1330207 Xylenes	1	3.81E-02	1.27E-05	1
TEN_IN1	0	0	9901 Diesel	1	5.48E-01	1.83E-04	1
KAN_IN1	0	0	75070 Acetaldehyde	1	3.83E-03	1.28E-06	1
KAN_IN1	0	0	107028 Acrolein	1	1.78E-03	5.93E-07	1
KAN_IN1	0	0	71432 Benzene	1	3.87E-02	1.29E-05	1
KAN_IN1	0	0	106990 1-3,Butadiene	1	7.53E-03	2.51E-06	1
KAN_IN1	0	0	100414 Ethylbenzene	1	1.60E-02	5.33E-06	1
KAN_IN1	0	0	50000 Formaldehyde	1	2.16E-02	7.21E-06	1
KAN_IN1	0	0	110543 Hexane	1	4.30E-02	1.43E-05	1
KAN_IN1	0	0	67561 Methanol	1	1.64E-03	5.47E-07	1
KAN_IN1	0	0	78933 Methyl Ethyl Ketone	1	2.74E-04	9.12E-08	1
KAN_IN1	0	0	91203 Naphthalene	1	6.84E-04	2.28E-07	1
KAN_IN1	0	0	115071 Propylene	1	4.19E-02	1.40E-05	1
KAN_IN1	0	0	100425 Styrene	1	1.64E-03	5.47E-07	1
KAN_IN1	0	0	108883 Toluene	1	1.02E-01	3.40E-05	1
KAN_IN1	0	0	1330207 Xylenes	1	7.36E-02	2.45E-05	1
KAN_IN1	0	0	9901 Diesel	1	1.06E+00	3.53E-04	1
WES_IN1	0	0	75070 Acetaldehyde	1	4.41E-04	1.47E-07	1
WES_IN1	0	0	107028 Acrolein	1	2.05E-04	6.82E-08	1
WES_IN1	0	0	71432 Benzene	1	4.45E-03	1.48E-06	1
WES_IN1	0	0	106990 1-3,Butadiene	1	8.65E-04	2.88E-07	1
WES_IN1	0	0	100414 Ethylbenzene	1	1.84E-03	6.13E-07	1
WES_IN1	0	0	50000 Formaldehyde	1	2.49E-03	8.29E-07	1
WES_IN1	0	0	110543 Hexane	1	4.94E-03	1.65E-06	1
WES_IN1	0	0	67561 Methanol	1	1.89E-04	6.29E-08	1
WES_IN1	0	0	78933 Methyl Ethyl Ketone	1	3.15E-05	1.05E-08	1
WES_IN1	0	0	91203 Naphthalene	1	7.87E-05	2.62E-08	1
WES_IN1	0	0	115071 Propylene	1	4.82E-03	1.61E-06	1
WES_IN1	0	0	100425 Styrene	1	1.89E-04	6.29E-08	1
WES_IN1	0	0	108883 Toluene	1	1.17E-02	3.91E-06	1
WES_IN1	0	0	1330207 Xylenes	1	8.46E-03	2.82E-06	1
WES_IN1	0	0	9901 Diesel	1	1.22E-01	4.05E-05	1
TEN_OUT1	0	0	75070 Acetaldehyde	1	1.99E-03	6.62E-07	1

TEN_OUT1	0	0	107028 Acrolein	1	9.22E-04	3.07E-07	1
TEN_OUT1	0	0	71432 Benzene	1	2.01E-02	6.69E-06	1
TEN_OUT1	0	0	106990 1-3,Butadiene	1	3.90E-03	1.30E-06	1
TEN_OUT1	0	0	100414 Ethylbenzene	1	8.29E-03	2.76E-06	1
TEN_OUT1	0	0	50000 Formaldehyde	1	1.12E-02	3.74E-06	1
TEN_OUT1	0	0	110543 Hexane	1	2.23E-02	7.43E-06	1
TEN_OUT1	0	0	67561 Methanol	1	8.51E-04	2.84E-07	1
TEN_OUT1	0	0	78933 Methyl Ethyl Ketone	1	1.42E-04	4.73E-08	1
TEN_OUT1	0	0	91203 Naphthalene	1	3.55E-04	1.18E-07	1
TEN_OUT1	0	0	115071 Propylene	1	2.17E-02	7.24E-06	1
TEN_OUT1	0	0	100425 Styrene	1	8.51E-04	2.84E-07	1
TEN_OUT1	0	0	108883 Toluene	1	5.29E-02	1.76E-05	1
TEN_OUT1	0	0	1330207 Xylenes	1	3.82E-02	1.27E-05	1
TEN_OUT1	0	0	9901 Diesel	1	5.49E-01	1.83E-04	1
KAN_OUT1	0	0	75070 Acetaldehyde	1	3.69E-03	1.23E-06	1
KAN_OUT1	0	0	107028 Acrolein	1	1.71E-03	5.71E-07	1
KAN_OUT1	0	0	71432 Benzene	1	3.73E-02	1.24E-05	1
KAN_OUT1	0	0	106990 1-3,Butadiene	1	7.24E-03	2.41E-06	1
KAN_OUT1	0	0	100414 Ethylbenzene	1	1.54E-02	5.13E-06	1
KAN_OUT1	0	0	50000 Formaldehyde	1	2.08E-02	6.94E-06	1
KAN_OUT1	0	0	110543 Hexane	1	4.14E-02	1.38E-05	1
KAN_OUT1	0	0	67561 Methanol	1	1.58E-03	5.27E-07	1
KAN_OUT1	0	0	78933 Methyl Ethyl Ketone	1	2.63E-04	8.78E-08	1
KAN_OUT1	0	0	91203 Naphthalene	1	6.59E-04	2.20E-07	1
KAN_OUT1	0	0	115071 Propylene	1	4.03E-02	1.34E-05	1
KAN_OUT1	0	0	100425 Styrene	1	1.58E-03	5.27E-07	1
KAN_OUT1	0	0	108883 Toluene	1	9.83E-02	3.28E-05	1
KAN_OUT1	0	0	1330207 Xylenes	1	7.08E-02	2.36E-05	1
KAN_OUT1	0	0	9901 Diesel	1	1.02E+00	3.39E-04	1
WES_OUT1	0	0	75070 Acetaldehyde	1	5.16E-04	1.72E-07	1
WES_OUT1	0	0	107028 Acrolein	1	2.40E-04	7.99E-08	1
WES_OUT1	0	0	71432 Benzene	1	5.22E-03	1.74E-06	1
WES_OUT1	0	0	106990 1-3,Butadiene	1	1.01E-03	3.38E-07	1
WES_OUT1	0	0	100414 Ethylbenzene	1	2.15E-03	7.18E-07	1
WES_OUT1	0	0	50000 Formaldehyde	1	2.91E-03	9.71E-07	1
WES_OUT1	0	0	110543 Hexane	1	5.79E-03	1.93E-06	1
WES_OUT1	0	0	67561 Methanol	1	2.21E-04	7.38E-08	1
WES_OUT1	0	0	78933 Methyl Ethyl Ketone	1	3.69E-05	1.23E-08	1
WES_OUT1	0	0	91203 Naphthalene	1	9.22E-05	3.07E-08	1
WES_OUT1	0	0	115071 Propylene	1	5.64E-03	1.88E-06	1
WES_OUT1	0	0	100425 Styrene	1	2.21E-04	7.38E-08	1
WES_OUT1	0	0	108883 Toluene	1	1.38E-02	4.59E-06	1
WES_OUT1	0	0	1330207 Xylenes	1	9.92E-03	3.31E-06	1
WES_OUT1	0	0	9901 Diesel	1	1.43E-01	4.75E-05	1
IN	0	0	75070 Acetaldehyde	1	2.27E-04	7.57E-08	1
IN	0	0	107028 Acrolein	1	1.05E-04	3.52E-08	1
IN	0	0	71432 Benzene	1	2.30E-03	7.65E-07	1

IN	0	0	106990	1-3,Butadiene	1	4.46E-04	1.49E-07	1
IN	0	0	100414	Ethylbenzene	1	9.48E-04	3.16E-07	1
IN	0	0	50000	Formaldehyde	1	1.28E-03	4.27E-07	1
IN	0	0	110543	Hexane	1	2.55E-03	8.49E-07	1
IN	0	0	67561	Methanol	1	9.74E-05	3.25E-08	1
IN	0	0	78933	Methyl Ethyl Ketone	1	1.62E-05	5.41E-09	1
IN	0	0	91203	Naphthalene	1	4.06E-05	1.35E-08	1
IN	0	0	115071	Propylene	1	2.48E-03	8.28E-07	1
IN	0	0	100425	Styrene	1	9.74E-05	3.25E-08	1
IN	0	0	108883	Toluene	1	6.05E-03	2.02E-06	1
IN	0	0	1330207	Xylenes	1	4.36E-03	1.45E-06	1
IN	0	0	9901	Diesel	1	6.28E-02	2.09E-05	1
IN2	0	0	75070	Acetaldehyde	1	4.39E-05	1.46E-08	1
IN2	0	0	107028	Acrolein	1	2.04E-05	6.79E-09	1
IN2	0	0	71432	Benzene	1	4.43E-04	1.48E-07	1
IN2	0	0	106990	1-3,Butadiene	1	8.62E-05	2.87E-08	1
IN2	0	0	100414	Ethylbenzene	1	1.83E-04	6.10E-08	1
IN2	0	0	50000	Formaldehyde	1	2.47E-04	8.25E-08	1
IN2	0	0	110543	Hexane	1	4.92E-04	1.64E-07	1
IN2	0	0	67561	Methanol	1	1.88E-05	6.27E-09	1
IN2	0	0	78933	Methyl Ethyl Ketone	1	3.13E-06	1.04E-09	1
IN2	0	0	91203	Naphthalene	1	7.83E-06	2.61E-09	1
IN2	0	0	115071	Propylene	1	4.79E-04	1.60E-07	1
IN2	0	0	100425	Styrene	1	1.88E-05	6.27E-09	1
IN2	0	0	108883	Toluene	1	1.17E-03	3.90E-07	1
IN2	0	0	1330207	Xylenes	1	8.42E-04	2.81E-07	1
IN2	0	0	9901	Diesel	1	1.21E-02	4.04E-06	1
IN3	0	0	75070	Acetaldehyde	1	1.66E-04	5.53E-08	1
IN3	0	0	107028	Acrolein	1	7.71E-05	2.57E-08	1
IN3	0	0	71432	Benzene	1	1.68E-03	5.59E-07	1
IN3	0	0	106990	1-3,Butadiene	1	3.26E-04	1.09E-07	1
IN3	0	0	100414	Ethylbenzene	1	6.92E-04	2.31E-07	1
IN3	0	0	50000	Formaldehyde	1	9.37E-04	3.12E-07	1
IN3	0	0	110543	Hexane	1	1.86E-03	6.20E-07	1
IN3	0	0	67561	Methanol	1	7.11E-05	2.37E-08	1
IN3	0	0	78933	Methyl Ethyl Ketone	1	1.19E-05	3.95E-09	1
IN3	0	0	91203	Naphthalene	1	2.96E-05	9.88E-09	1
IN3	0	0	115071	Propylene	1	1.81E-03	6.05E-07	1
IN3	0	0	100425	Styrene	1	7.11E-05	2.37E-08	1
IN3	0	0	108883	Toluene	1	4.42E-03	1.47E-06	1
IN3	0	0	1330207	Xylenes	1	3.19E-03	1.06E-06	1
IN3	0	0	9901	Diesel	1	4.59E-02	1.53E-05	1
OUT1	0	0	75070	Acetaldehyde	1	2.27E-04	7.57E-08	1
OUT1	0	0	107028	Acrolein	1	1.05E-04	3.52E-08	1
OUT1	0	0	71432	Benzene	1	2.30E-03	7.65E-07	1
OUT1	0	0	106990	1-3,Butadiene	1	4.46E-04	1.49E-07	1
OUT1	0	0	100414	Ethylbenzene	1	9.48E-04	3.16E-07	1

OUT1	0	0	50000 Formaldehyde	1	1.28E-03	4.27E-07	1
OUT1	0	0	110543 Hexane	1	2.55E-03	8.49E-07	1
OUT1	0	0	67561 Methanol	1	9.74E-05	3.25E-08	1
OUT1	0	0	78933 Methyl Ethyl Ketone	1	1.62E-05	5.41E-09	1
OUT1	0	0	91203 Naphthalene	1	4.06E-05	1.35E-08	1
OUT1	0	0	115071 Propylene	1	2.48E-03	8.28E-07	1
OUT1	0	0	100425 Styrene	1	9.74E-05	3.25E-08	1
OUT1	0	0	108883 Toluene	1	6.05E-03	2.02E-06	1
OUT1	0	0	1330207 Xylenes	1	4.36E-03	1.45E-06	1
OUT1	0	0	9901 Diesel	1	6.28E-02	2.09E-05	1
OUT2	0	0	75070 Acetaldehyde	1	4.39E-05	1.46E-08	1
OUT2	0	0	107028 Acrolein	1	2.04E-05	6.79E-09	1
OUT2	0	0	71432 Benzene	1	4.43E-04	1.48E-07	1
OUT2	0	0	106990 1-3,Butadiene	1	8.62E-05	2.87E-08	1
OUT2	0	0	100414 Ethylbenzene	1	1.83E-04	6.10E-08	1
OUT2	0	0	50000 Formaldehyde	1	2.47E-04	8.25E-08	1
OUT2	0	0	110543 Hexane	1	4.92E-04	1.64E-07	1
OUT2	0	0	67561 Methanol	1	1.88E-05	6.27E-09	1
OUT2	0	0	78933 Methyl Ethyl Ketone	1	3.13E-06	1.04E-09	1
OUT2	0	0	91203 Naphthalene	1	7.83E-06	2.61E-09	1
OUT2	0	0	115071 Propylene	1	4.79E-04	1.60E-07	1
OUT2	0	0	100425 Styrene	1	1.88E-05	6.27E-09	1
OUT2	0	0	108883 Toluene	1	1.17E-03	3.90E-07	1
OUT2	0	0	1330207 Xylenes	1	8.42E-04	2.81E-07	1
OUT2	0	0	9901 Diesel	1	1.21E-02	4.04E-06	1
OUT3	0	0	75070 Acetaldehyde	1	1.66E-04	5.53E-08	1
OUT3	0	0	107028 Acrolein	1	7.71E-05	2.57E-08	1
OUT3	0	0	71432 Benzene	1	1.68E-03	5.59E-07	1
OUT3	0	0	106990 1-3,Butadiene	1	3.26E-04	1.09E-07	1
OUT3	0	0	100414 Ethylbenzene	1	6.92E-04	2.31E-07	1
OUT3	0	0	50000 Formaldehyde	1	9.37E-04	3.12E-07	1
OUT3	0	0	110543 Hexane	1	1.86E-03	6.20E-07	1
OUT3	0	0	67561 Methanol	1	7.11E-05	2.37E-08	1
OUT3	0	0	78933 Methyl Ethyl Ketone	1	1.19E-05	3.95E-09	1
OUT3	0	0	91203 Naphthalene	1	2.96E-05	9.88E-09	1
OUT3	0	0	115071 Propylene	1	1.81E-03	6.05E-07	1
OUT3	0	0	100425 Styrene	1	7.11E-05	2.37E-08	1
OUT3	0	0	108883 Toluene	1	4.42E-03	1.47E-06	1
OUT3	0	0	1330207 Xylenes	1	3.19E-03	1.06E-06	1
OUT3	0	0	9901 Diesel	1	4.59E-02	1.53E-05	1
Idle	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
Idle	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
Idle	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1

Idle	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
Idle	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
Idle	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
Idle	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
Idle	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
Idle	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
Idle	0	0	9901 Diesel	1	1.40E-01	0.00E+00	1
0	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
0	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
0	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
0	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
0	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
0	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
0	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
0	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
0	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
0	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
0	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
0	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
0	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
0	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
0	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
0	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
0	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
0	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
0	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
0	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
0	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
0	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
0	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
0	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
0	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
0	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
0	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
0	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
0	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
0	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
0	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
0	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
0	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1

0	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
0	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
0	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
0	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
0	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
0	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
0	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
0	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
0	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
0	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
0	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
0	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
0	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
0	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
0	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
0	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
0	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
0	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
0	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
0	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
0	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
0	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
0	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
0	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
0	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
0	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
0	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
0	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
0	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1
0	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
0	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
0	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
0	0	0	9901 Diesel	1	0.00E+00	0.00E+00	1
TRU	0	0	75070 Acetaldehyde	1	0.00E+00	0.00E+00	1
TRU	0	0	107028 Acrolein	1	0.00E+00	0.00E+00	1
TRU	0	0	71432 Benzene	1	0.00E+00	0.00E+00	1
TRU	0	0	106990 1-3,Butadiene	1	0.00E+00	0.00E+00	1
TRU	0	0	100414 Ethylbenzene	1	0.00E+00	0.00E+00	1
TRU	0	0	50000 Formaldehyde	1	0.00E+00	0.00E+00	1
TRU	0	0	110543 Hexane	1	0.00E+00	0.00E+00	1
TRU	0	0	67561 Methanol	1	0.00E+00	0.00E+00	1
TRU	0	0	78933 Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
TRU	0	0	91203 Naphthalene	1	0.00E+00	0.00E+00	1
TRU	0	0	115071 Propylene	1	0.00E+00	0.00E+00	1

TRU	0	0	100425 Styrene	1	0.00E+00	0.00E+00	1
TRU	0	0	108883 Toluene	1	0.00E+00	0.00E+00	1
TRU	0	0	1330207 Xylenes	1	0.00E+00	0.00E+00	1
TRU	0	0	9901 Diesel	1	2.34E+00	0.00E+00	1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM2.5_RUNEX	PM10_RUNEX
San Bernardino	2023	HHDT	Aggregate	5	Diesel	0.011583926	0.012107699
San Bernardino	2023	HHDT	Aggregate	10	Diesel	0.011861222	0.012397534
San Bernardino	2023	HHDT	Aggregate	15	Diesel	0.008971905	0.009377574
				Average		0.010805684	0.011294269
San Bernardino	2023	LDT1	Aggregate	5	Diesel	0.995952941	1.040985514
San Bernardino	2023	LDT1	Aggregate	10	Diesel	0.678651036	0.709336624
San Bernardino	2023	LDT1	Aggregate	15	Diesel	0.49261466	0.514888509
San Bernardino	2023	LDT2	Aggregate	5	Diesel	0.02172618	0.022708542
San Bernardino	2023	LDT2	Aggregate	10	Diesel	0.015701635	0.016411593
San Bernardino	2023	LDT2	Aggregate	15	Diesel	0.012393281	0.01295365
				Average		0.369506622	0.386214072
San Bernardino	2023	MHDT	Aggregate	5	Diesel	0.038188036	0.03991473
San Bernardino	2023	MHDT	Aggregate	10	Diesel	0.030692867	0.032080662
San Bernardino	2023	MHDT	Aggregate	15	Diesel	0.020091876	0.021000341
				Average		0.029657593	0.030998578

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Diesel %	Trips	PM2.5_RUNEX	PM10_RUNEX	TOG_RUNEX	TOG_RUNLOSS
San Bernardino	2023	LDA	Aggregate	Aggregate	Gasoline	773664.0019	33073440.07	33073440.07	0%	3594279.083	0.001215043	0.001321457	0.014546552	0.238651766
San Bernardino	2023	LDA	Aggregate	Aggregate	Diesel	2221.377014	77366.16142	77366.16142	66%	9541.620731	0.018899446	0.019753995	0.034363422	0
							33150806.23		67.9%					
San Bernardino	2023	LDT1	Aggregate	Aggregate	Gasoline	73981.30063	2503906.499	2503906.499	0%	318282.9673	0.002223713	0.002418354	0.068029965	0.768706396
San Bernardino	2023	LDT1	Aggregate	Aggregate	Diesel	29.71832479	424.1576698	424.1576698	0.4%	86.28629252	0.240668038	0.251549979	0.350404872	0
San Bernardino	2023	LDT2	Aggregate	Aggregate	Gasoline	323145.0561	13160212.62	13160212.62	0%	1508164.1	0.001244935	0.001353968	0.020137726	0.253569227
San Bernardino	2023	LDT2	Aggregate	Aggregate	Diesel	896.7674867	39572.03037	39572.03037	34%	4322.633894	0.006262919	0.0065461	0.016160828	0
							15704115.31		32.1%	117362		Gasoline Avg EF	0.034238081	0.42030913
									Diesel Wt EF	0.016138311				

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM10_RUNEX	PM10_IDLEX
San Bernardino	2023	HHDT	Aggregate	Aggregate	Diesel	26225.50302	4341337.171	4341337.171	468766.0938	0.030381381	0.038199519	0.031755092	0.039926732
San Bernardino	2023	MHDT	Aggregate	Aggregate	Diesel	17266.34205	797273.1639	797273.1639	214109.6493	0.011063512	0.024097548	0.011563755	0.025187133
San Bernardino	2023	LHDT1	Aggregate	Aggregate	Diesel	22607.19394	848721.5839	848721.5839	284370.06	0.029553458	0.026570826	0.030889734	0.027772241
San Bernardino	2023	LHDT2	Aggregate	Aggregate	Diesel	9499.536898	366079.7752	366079.7752	119492.2238	0.025872574	0.026291374	0.027042417	0.027480154
									Average	0.027713016	0.0264311	0.028966076	0.027626197