

Antares Orb-1 - Middle Trajectory

TIME (sec)	ALT (ft)	LONG (deg)	GDLAT (deg)	XF (ft)	YF (ft)	ZF (ft)
0.001646	-35.3097	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.19998	-35.3097	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.201646	-35.3097	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.399979	-35.3146	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.599979	-35.3168	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.799979	-35.3231	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.999979	-35.3296	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.199979	-35.3363	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.399979	-35.3438	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.599979	-35.3514	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.799979	-35.3591	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.999979	-35.3677	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.199979	-35.3713	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.399979	-35.2203	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.408313	-35.2087	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.599979	-34.8223	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.799979	-34.1745	-75.4877	37.83387	4146667	-1.6E+07	12765390
2.999979	-33.2758	-75.4877	37.83387	4146667	-1.6E+07	12765390
3.199979	-32.1252	-75.4877	37.83387	4146668	-1.6E+07	12765391
3.399979	-30.7197	-75.4877	37.83387	4146668	-1.6E+07	12765392
3.599979	-29.0498	-75.4877	37.83387	4146668	-1.6E+07	12765393
3.799979	-27.1106	-75.4877	37.83387	4146668	-1.6E+07	12765394
3.999979	-24.9014	-75.4877	37.83387	4146669	-1.6E+07	12765395
4.199979	-22.4215	-75.4877	37.83387	4146669	-1.6E+07	12765397
4.399979	-19.669	-75.4877	37.83387	4146670	-1.6E+07	12765398
4.599979	-16.6428	-75.4877	37.83387	4146671	-1.6E+07	12765400
4.799979	-13.3419	-75.4877	37.83387	4146672	-1.6E+07	12765402
4.999979	-9.7653	-75.4877	37.83387	4146673	-1.6E+07	12765404
5.199979	-5.91181	-75.4877	37.83387	4146674	-1.6E+07	12765406
5.399979	-1.77964	-75.4877	37.83387	4146675	-1.6E+07	12765408
5.599979	2.633131	-75.4877	37.83387	4146676	-1.6E+07	12765410
5.799979	7.328112	-75.4877	37.83386	4146678	-1.6E+07	12765413
5.999979	12.30668	-75.4877	37.83386	4146679	-1.6E+07	12765415
6.199979	17.5701	-75.4877	37.83386	4146680	-1.6E+07	12765418
6.399979	23.11956	-75.4877	37.83386	4146682	-1.6E+07	12765421
6.599979	28.95637	-75.4877	37.83386	4146684	-1.6E+07	12765424
6.799979	35.08191	-75.4877	37.83386	4146685	-1.6E+07	12765427
6.999979	41.49758	-75.4877	37.83385	4146687	-1.6E+07	12765430
7.199979	48.20468	-75.4877	37.83385	4146689	-1.6E+07	12765434
7.399979	55.20462	-75.4877	37.83385	4146691	-1.6E+07	12765438
7.599979	62.49861	-75.4877	37.83385	4146693	-1.6E+07	12765442
7.799979	70.08777	-75.4877	37.83385	4146695	-1.6E+07	12765446

7.999979	77.97336	-75.4877	37.83384	4146697	-1.6E+07	12765450
8.199979	86.15665	-75.4877	37.83384	4146700	-1.6E+07	12765454
8.399979	94.6389	-75.4877	37.83384	4146702	-1.6E+07	12765459
8.599979	103.4214	-75.4877	37.83384	4146704	-1.6E+07	12765464
8.799979	112.5054	-75.4877	37.83384	4146707	-1.6E+07	12765469
8.999979	121.8923	-75.4877	37.83383	4146709	-1.6E+07	12765474
9.199979	131.5831	-75.4877	37.83383	4146712	-1.6E+07	12765479
9.399979	141.5793	-75.4877	37.83383	4146714	-1.6E+07	12765485
9.599979	151.8821	-75.4876	37.83383	4146717	-1.6E+07	12765490
9.799979	162.4927	-75.4876	37.83382	4146720	-1.6E+07	12765496
9.999979	173.4125	-75.4876	37.83382	4146723	-1.6E+07	12765502
10.19998	184.6427	-75.4876	37.83382	4146726	-1.6E+07	12765509
10.39998	196.1846	-75.4876	37.83382	4146729	-1.6E+07	12765515
10.59998	208.0395	-75.4876	37.83382	4146732	-1.6E+07	12765522
10.79998	220.2086	-75.4876	37.83381	4146735	-1.6E+07	12765528
10.99998	232.6933	-75.4876	37.83381	4146739	-1.6E+07	12765535
11.19998	245.4949	-75.4876	37.83381	4146742	-1.6E+07	12765543
11.39998	258.6146	-75.4876	37.83381	4146745	-1.6E+07	12765550
11.59998	272.0537	-75.4876	37.8338	4146749	-1.6E+07	12765558
11.79998	285.8134	-75.4876	37.8338	4146753	-1.6E+07	12765565
11.99998	299.8952	-75.4876	37.8338	4146756	-1.6E+07	12765573
12.19998	314.3003	-75.4876	37.8338	4146760	-1.6E+07	12765581
12.39998	329.0299	-75.4876	37.83379	4146764	-1.6E+07	12765590
12.59998	344.0855	-75.4876	37.83379	4146768	-1.6E+07	12765598
12.79998	359.4684	-75.4876	37.83379	4146772	-1.6E+07	12765607
12.99998	375.1797	-75.4876	37.83379	4146776	-1.6E+07	12765616
13.19998	391.2209	-75.4876	37.83378	4146781	-1.6E+07	12765625
13.39998	407.5933	-75.4876	37.83378	4146785	-1.6E+07	12765634
13.59998	424.2981	-75.4876	37.83378	4146789	-1.6E+07	12765644
13.79998	441.3366	-75.4876	37.83378	4146794	-1.6E+07	12765654
13.99998	458.7103	-75.4876	37.83377	4146799	-1.6E+07	12765664
14.19998	476.4203	-75.4876	37.83377	4146803	-1.6E+07	12765674
14.39998	494.4682	-75.4876	37.83377	4146808	-1.6E+07	12765684
14.59998	512.8551	-75.4876	37.83377	4146813	-1.6E+07	12765694
14.79998	531.5826	-75.4876	37.83376	4146818	-1.6E+07	12765705
14.99998	550.6517	-75.4876	37.83376	4146823	-1.6E+07	12765716
15.19998	570.0639	-75.4876	37.83376	4146828	-1.6E+07	12765727
15.39998	589.8205	-75.4876	37.83376	4146834	-1.6E+07	12765739
15.59998	609.9229	-75.4876	37.83375	4146839	-1.6E+07	12765750
15.79998	630.3724	-75.4875	37.83375	4146845	-1.6E+07	12765762
15.99998	651.1705	-75.4875	37.83375	4146850	-1.6E+07	12765774
16.19998	672.3183	-75.4875	37.83374	4146856	-1.6E+07	12765786
16.39998	693.8174	-75.4875	37.83374	4146862	-1.6E+07	12765798
16.59998	715.6691	-75.4875	37.83374	4146868	-1.6E+07	12765811
16.79998	737.8747	-75.4875	37.83374	4146874	-1.6E+07	12765824
16.99998	760.4357	-75.4875	37.83373	4146880	-1.6E+07	12765837
17.19998	783.3533	-75.4875	37.83373	4146886	-1.6E+07	12765850

17.39998	806.629	-75.4875	37.83373	4146892	-1.6E+07	12765863
17.59998	830.2641	-75.4875	37.83372	4146899	-1.6E+07	12765877
17.79998	854.2601	-75.4875	37.83372	4146905	-1.6E+07	12765891
17.99998	878.6184	-75.4875	37.83372	4146912	-1.6E+07	12765905
18.19998	903.3405	-75.4875	37.83371	4146919	-1.6E+07	12765919
18.39998	928.4276	-75.4875	37.83371	4146926	-1.6E+07	12765933
18.59998	953.8812	-75.4875	37.83371	4146933	-1.6E+07	12765948
18.79998	979.7027	-75.4875	37.8337	4146940	-1.6E+07	12765963
18.99998	1005.893	-75.4875	37.8337	4146947	-1.6E+07	12765978
19.19998	1032.455	-75.4874	37.8337	4146955	-1.6E+07	12765994
19.39998	1059.389	-75.4874	37.83369	4146962	-1.6E+07	12766009
19.59998	1086.696	-75.4874	37.83369	4146970	-1.6E+07	12766025
19.79998	1114.379	-75.4874	37.83369	4146977	-1.6E+07	12766041
19.99998	1142.438	-75.4874	37.83368	4146985	-1.6E+07	12766057
20.19998	1170.876	-75.4874	37.83368	4146993	-1.6E+07	12766074
20.39998	1199.693	-75.4874	37.83368	4147001	-1.6E+07	12766090
20.59998	1228.891	-75.4874	37.83367	4147010	-1.6E+07	12766107
20.79998	1258.471	-75.4874	37.83367	4147018	-1.6E+07	12766124
20.99998	1288.436	-75.4874	37.83367	4147026	-1.6E+07	12766142
21.19998	1318.785	-75.4874	37.83366	4147035	-1.6E+07	12766159
21.39998	1349.523	-75.4874	37.83366	4147044	-1.6E+07	12766177
21.59998	1380.648	-75.4874	37.83366	4147053	-1.6E+07	12766195
21.79998	1412.164	-75.4873	37.83365	4147061	-1.6E+07	12766213
21.99998	1444.072	-75.4873	37.83365	4147071	-1.6E+07	12766232
22.19998	1476.372	-75.4873	37.83364	4147080	-1.6E+07	12766250
22.39998	1509.068	-75.4873	37.83364	4147089	-1.6E+07	12766269
22.59998	1542.16	-75.4873	37.83364	4147099	-1.6E+07	12766288
22.79998	1575.649	-75.4873	37.83363	4147108	-1.6E+07	12766308
22.99998	1609.539	-75.4873	37.83363	4147118	-1.6E+07	12766328
23.19998	1643.829	-75.4873	37.83362	4147128	-1.6E+07	12766347
23.39998	1678.522	-75.4873	37.83362	4147138	-1.6E+07	12766368
23.59998	1713.619	-75.4873	37.83362	4147148	-1.6E+07	12766388
23.79998	1749.123	-75.4872	37.83361	4147158	-1.6E+07	12766408
23.99998	1785.034	-75.4872	37.83361	4147169	-1.6E+07	12766429
24.19998	1821.354	-75.4872	37.8336	4147179	-1.6E+07	12766450
24.39998	1858.083	-75.4872	37.8336	4147190	-1.6E+07	12766472
24.59998	1895.213	-75.4872	37.83359	4147201	-1.6E+07	12766493
24.79998	1932.733	-75.4872	37.83359	4147212	-1.6E+07	12766515
24.99998	1970.632	-75.4872	37.83359	4147223	-1.6E+07	12766537
25.19998	2008.898	-75.4872	37.83358	4147234	-1.6E+07	12766559
25.39998	2047.52	-75.4872	37.83358	4147246	-1.6E+07	12766581
25.59998	2086.496	-75.4871	37.83357	4147257	-1.6E+07	12766604
25.79998	2125.828	-75.4871	37.83357	4147269	-1.6E+07	12766627
25.99998	2165.519	-75.4871	37.83356	4147281	-1.6E+07	12766650
26.19998	2205.568	-75.4871	37.83356	4147292	-1.6E+07	12766673
26.39998	2245.979	-75.4871	37.83355	4147305	-1.6E+07	12766697
26.59998	2286.752	-75.4871	37.83355	4147317	-1.6E+07	12766720

26.79998	2327.889	-75.4871	37.83354	4147329	-1.6E+07	12766744
26.99998	2369.392	-75.487	37.83354	4147341	-1.6E+07	12766768
27.19998	2411.262	-75.487	37.83353	4147354	-1.6E+07	12766792
27.39998	2453.5	-75.487	37.83353	4147367	-1.6E+07	12766817
27.59998	2496.11	-75.487	37.83352	4147380	-1.6E+07	12766841
27.79998	2539.091	-75.487	37.83352	4147393	-1.6E+07	12766866
27.99998	2582.445	-75.487	37.83351	4147406	-1.6E+07	12766892
28.19998	2626.175	-75.487	37.83351	4147419	-1.6E+07	12766917
28.39998	2670.282	-75.4869	37.8335	4147432	-1.6E+07	12766942
28.59998	2714.767	-75.4869	37.8335	4147446	-1.6E+07	12766968
28.79998	2759.633	-75.4869	37.83349	4147460	-1.6E+07	12766994
28.99998	2804.881	-75.4869	37.83349	4147474	-1.6E+07	12767020
29.19998	2850.513	-75.4869	37.83348	4147488	-1.6E+07	12767047
29.39998	2896.529	-75.4869	37.83348	4147502	-1.6E+07	12767073
29.59998	2942.933	-75.4868	37.83347	4147516	-1.6E+07	12767100
29.79998	2989.726	-75.4868	37.83347	4147530	-1.6E+07	12767127
29.99998	3036.91	-75.4868	37.83346	4147545	-1.6E+07	12767155
30.04998	3048.767	-75.4868	37.83346	4147549	-1.6E+07	12767162
30.19998	3084.485	-75.4868	37.83346	4147560	-1.6E+07	12767182
30.24998	3096.44	-75.4868	37.83345	4147563	-1.6E+07	12767189
30.39998	3132.454	-75.4868	37.83345	4147575	-1.6E+07	12767210
30.59998	3180.818	-75.4867	37.83344	4147590	-1.6E+07	12767238
30.79998	3229.58	-75.4867	37.83344	4147605	-1.6E+07	12767266
30.99998	3278.741	-75.4867	37.83343	4147620	-1.6E+07	12767295
31.19998	3328.302	-75.4867	37.83343	4147636	-1.6E+07	12767324
31.39998	3378.265	-75.4867	37.83342	4147651	-1.6E+07	12767352
31.59998	3428.631	-75.4867	37.83341	4147667	-1.6E+07	12767382
31.79998	3479.403	-75.4866	37.83341	4147683	-1.6E+07	12767411
31.99998	3530.582	-75.4866	37.8334	4147699	-1.6E+07	12767441
32.19998	3582.169	-75.4866	37.8334	4147716	-1.6E+07	12767470
32.39998	3634.167	-75.4866	37.83339	4147732	-1.6E+07	12767501
32.59998	3686.577	-75.4866	37.83338	4147749	-1.6E+07	12767531
32.79998	3739.399	-75.4865	37.83338	4147766	-1.6E+07	12767561
32.99998	3792.637	-75.4865	37.83337	4147783	-1.6E+07	12767592
33.19998	3846.292	-75.4865	37.83336	4147800	-1.6E+07	12767623
33.39998	3900.365	-75.4865	37.83336	4147817	-1.6E+07	12767655
33.59998	3954.858	-75.4864	37.83335	4147834	-1.6E+07	12767686
33.79998	4009.772	-75.4864	37.83334	4147852	-1.6E+07	12767718
33.99998	4065.11	-75.4864	37.83334	4147870	-1.6E+07	12767750
34.19998	4120.872	-75.4864	37.83333	4147888	-1.6E+07	12767782
34.39998	4177.062	-75.4863	37.83332	4147906	-1.6E+07	12767815
34.59998	4233.679	-75.4863	37.83332	4147924	-1.6E+07	12767847
34.79998	4290.726	-75.4863	37.83331	4147943	-1.6E+07	12767880
34.99998	4348.205	-75.4863	37.8333	4147961	-1.6E+07	12767913
35.19998	4406.117	-75.4863	37.83329	4147980	-1.6E+07	12767947
35.39998	4464.464	-75.4862	37.83329	4147999	-1.6E+07	12767981
35.59998	4523.247	-75.4862	37.83328	4148018	-1.6E+07	12768015

35.79998	4582.469	-75.4862	37.83327	4148038	-1.6E+07	12768049
35.99998	4642.131	-75.4861	37.83327	4148057	-1.6E+07	12768083
36.19998	4702.234	-75.4861	37.83326	4148077	-1.6E+07	12768118
36.39998	4762.781	-75.4861	37.83325	4148097	-1.6E+07	12768153
36.59998	4823.773	-75.4861	37.83324	4148117	-1.6E+07	12768188
36.79998	4885.211	-75.486	37.83324	4148137	-1.6E+07	12768224
36.99998	4947.098	-75.486	37.83323	4148158	-1.6E+07	12768259
37.19998	5009.435	-75.486	37.83322	4148178	-1.6E+07	12768295
37.39998	5072.224	-75.486	37.83321	4148199	-1.6E+07	12768332
37.59998	5135.467	-75.4859	37.8332	4148220	-1.6E+07	12768368
37.79998	5199.166	-75.4859	37.8332	4148241	-1.6E+07	12768405
37.99998	5263.321	-75.4859	37.83319	4148263	-1.6E+07	12768442
38.19998	5327.936	-75.4858	37.83318	4148284	-1.6E+07	12768479
38.39998	5393.01	-75.4858	37.83317	4148306	-1.6E+07	12768517
38.59998	5458.548	-75.4858	37.83316	4148328	-1.6E+07	12768555
38.79998	5524.55	-75.4857	37.83316	4148350	-1.6E+07	12768593
38.99998	5591.017	-75.4857	37.83315	4148372	-1.6E+07	12768631
39.19998	5657.953	-75.4857	37.83314	4148395	-1.6E+07	12768670
39.39998	5725.358	-75.4857	37.83313	4148417	-1.6E+07	12768709
39.59998	5793.234	-75.4856	37.83312	4148440	-1.6E+07	12768748
39.79998	5861.583	-75.4856	37.83311	4148463	-1.6E+07	12768787
39.99998	5930.408	-75.4856	37.8331	4148487	-1.6E+07	12768827
40.04998	5947.688	-75.4855	37.8331	4148493	-1.6E+07	12768837
40.19998	5999.709	-75.4855	37.83309	4148510	-1.6E+07	12768867
40.24998	6017.109	-75.4855	37.83309	4148516	-1.6E+07	12768877
40.39998	6069.489	-75.4855	37.83309	4148534	-1.6E+07	12768907
40.59998	6139.749	-75.4855	37.83308	4148558	-1.6E+07	12768948
40.79998	6210.491	-75.4854	37.83307	4148582	-1.6E+07	12768988
40.99998	6281.717	-75.4854	37.83306	4148606	-1.6E+07	12769029
41.19998	6353.429	-75.4854	37.83305	4148631	-1.6E+07	12769071
41.39998	6425.629	-75.4853	37.83304	4148655	-1.6E+07	12769112
41.59998	6498.318	-75.4853	37.83303	4148680	-1.6E+07	12769154
41.79998	6571.498	-75.4852	37.83302	4148705	-1.6E+07	12769196
41.99998	6645.172	-75.4852	37.83301	4148731	-1.6E+07	12769239
42.19998	6719.34	-75.4852	37.833	4148756	-1.6E+07	12769282
42.39998	6794.005	-75.4851	37.83299	4148782	-1.6E+07	12769325
42.59998	6869.169	-75.4851	37.83298	4148808	-1.6E+07	12769368
42.79998	6944.833	-75.4851	37.83297	4148834	-1.6E+07	12769411
42.99998	7021	-75.485	37.83296	4148861	-1.6E+07	12769455
43.19998	7097.671	-75.485	37.83295	4148887	-1.6E+07	12769499
43.39998	7174.849	-75.4849	37.83294	4148914	-1.6E+07	12769544
43.59998	7252.536	-75.4849	37.83293	4148941	-1.6E+07	12769589
43.79998	7330.732	-75.4849	37.83292	4148968	-1.6E+07	12769634
43.99998	7409.44	-75.4848	37.83291	4148996	-1.6E+07	12769679
44.19998	7488.66	-75.4848	37.8329	4149023	-1.6E+07	12769725
44.39998	7568.394	-75.4847	37.83289	4149051	-1.6E+07	12769770
44.59998	7648.643	-75.4847	37.83288	4149080	-1.6E+07	12769816

44.79998	7729.407	-75.4847	37.83287	4149108	-1.6E+07	12769863
44.99998	7810.688	-75.4846	37.83286	4149137	-1.6E+07	12769909
45.19998	7892.485	-75.4846	37.83285	4149166	-1.6E+07	12769956
45.39998	7974.802	-75.4845	37.83283	4149195	-1.6E+07	12770003
45.59998	8057.638	-75.4845	37.83282	4149225	-1.6E+07	12770050
45.79998	8140.995	-75.4844	37.83281	4149255	-1.6E+07	12770098
45.99998	8224.877	-75.4844	37.8328	4149285	-1.6E+07	12770146
46.19998	8309.283	-75.4843	37.83278	4149315	-1.6E+07	12770194
46.39998	8394.218	-75.4843	37.83277	4149346	-1.6E+07	12770242
46.59998	8479.682	-75.4842	37.83275	4149377	-1.6E+07	12770290
46.79998	8565.676	-75.4842	37.83274	4149408	-1.6E+07	12770339
46.99998	8652.203	-75.4841	37.83273	4149440	-1.6E+07	12770388
47.19998	8739.264	-75.4841	37.83271	4149472	-1.6E+07	12770437
47.39998	8826.863	-75.484	37.8327	4149504	-1.6E+07	12770486
47.59998	8915.001	-75.484	37.83268	4149537	-1.6E+07	12770536
47.79998	9003.678	-75.4839	37.83266	4149570	-1.6E+07	12770585
47.99998	9092.897	-75.4839	37.83265	4149603	-1.6E+07	12770635
48.19998	9182.659	-75.4838	37.83263	4149637	-1.6E+07	12770686
48.39998	9272.966	-75.4838	37.83261	4149671	-1.6E+07	12770736
48.59998	9363.821	-75.4837	37.8326	4149705	-1.6E+07	12770787
48.79998	9455.225	-75.4837	37.83258	4149739	-1.6E+07	12770838
48.99998	9547.179	-75.4836	37.83256	4149774	-1.6E+07	12770889
49.19997	9639.685	-75.4836	37.83254	4149810	-1.6E+07	12770940
49.39997	9732.745	-75.4835	37.83252	4149845	-1.6E+07	12770992
49.59997	9826.359	-75.4834	37.8325	4149881	-1.6E+07	12771044
49.79997	9920.532	-75.4834	37.83248	4149917	-1.6E+07	12771096
49.99997	10015.26	-75.4833	37.83246	4149954	-1.6E+07	12771148
50.19997	10110.55	-75.4833	37.83244	4149991	-1.6E+07	12771201
50.39997	10206.41	-75.4832	37.83242	4150028	-1.6E+07	12771254
50.59997	10302.83	-75.4831	37.8324	4150066	-1.6E+07	12771307
50.79997	10399.81	-75.4831	37.83238	4150104	-1.6E+07	12771360
50.99997	10497.36	-75.483	37.83236	4150142	-1.6E+07	12771413
51.19997	10595.48	-75.483	37.83233	4150181	-1.6E+07	12771467
51.39997	10694.17	-75.4829	37.83231	4150220	-1.6E+07	12771521
51.59997	10793.43	-75.4828	37.83229	4150259	-1.6E+07	12771575
51.79997	10893.27	-75.4828	37.83226	4150299	-1.6E+07	12771629
51.99997	10993.68	-75.4827	37.83224	4150339	-1.6E+07	12771684
52.19997	11094.67	-75.4826	37.83221	4150380	-1.6E+07	12771739
52.39997	11196.24	-75.4826	37.83219	4150421	-1.6E+07	12771794
52.59997	11298.39	-75.4825	37.83216	4150462	-1.6E+07	12771849
52.79997	11401.12	-75.4824	37.83214	4150504	-1.6E+07	12771904
52.99997	11504.44	-75.4823	37.83211	4150546	-1.6E+07	12771960
53.19997	11608.34	-75.4823	37.83208	4150589	-1.6E+07	12772016
53.39997	11712.83	-75.4822	37.83206	4150631	-1.6E+07	12772072
53.59997	11817.92	-75.4821	37.83203	4150675	-1.6E+07	12772128
53.79997	11923.59	-75.482	37.832	4150719	-1.6E+07	12772185
53.99997	12029.85	-75.482	37.83197	4150763	-1.6E+07	12772242

54.19997	12136.71	-75.4819	37.83194	4150807	-1.6E+07	12772299
54.39997	12244.17	-75.4818	37.83191	4150852	-1.6E+07	12772356
54.59997	12352.22	-75.4817	37.83188	4150898	-1.6E+07	12772414
54.79997	12460.88	-75.4816	37.83185	4150943	-1.6E+07	12772471
54.99997	12570.13	-75.4816	37.83182	4150990	-1.6E+07	12772529
55.19997	12679.99	-75.4815	37.83178	4151036	-1.6E+07	12772587
55.39997	12790.45	-75.4814	37.83175	4151083	-1.6E+07	12772646
55.59997	12901.52	-75.4813	37.83172	4151131	-1.6E+07	12772704
55.79997	13013.2	-75.4812	37.83168	4151179	-1.6E+07	12772763
55.99997	13125.49	-75.4811	37.83165	4151227	-1.6E+07	12772822
56.19997	13238.39	-75.4811	37.83162	4151276	-1.6E+07	12772881
56.39997	13351.9	-75.481	37.83158	4151326	-1.6E+07	12772940
56.59997	13466.03	-75.4809	37.83154	4151375	-1.6E+07	12773000
56.79997	13580.77	-75.4808	37.83151	4151426	-1.6E+07	12773060
56.99997	13696.13	-75.4807	37.83147	4151476	-1.6E+07	12773120
57.19997	13812.11	-75.4806	37.83143	4151527	-1.6E+07	12773180
57.39997	13928.72	-75.4805	37.83139	4151579	-1.6E+07	12773240
57.59997	14045.94	-75.4804	37.83135	4151631	-1.6E+07	12773301
57.79997	14163.79	-75.4803	37.83131	4151684	-1.6E+07	12773362
57.99997	14282.27	-75.4802	37.83127	4151737	-1.6E+07	12773423
58.19997	14401.37	-75.4801	37.83123	4151790	-1.6E+07	12773484
58.39997	14521.1	-75.48	37.83119	4151844	-1.6E+07	12773546
58.59997	14641.47	-75.4799	37.83115	4151899	-1.6E+07	12773607
58.79997	14762.47	-75.4798	37.83111	4151954	-1.6E+07	12773669
58.99997	14884.1	-75.4797	37.83106	4152009	-1.6E+07	12773731
59.19997	15006.36	-75.4796	37.83102	4152065	-1.6E+07	12773794
59.39997	15129.27	-75.4795	37.83097	4152122	-1.6E+07	12773856
59.59997	15252.81	-75.4794	37.83093	4152179	-1.6E+07	12773919
59.79997	15377	-75.4793	37.83088	4152236	-1.6E+07	12773982
59.99997	15501.82	-75.4792	37.83084	4152294	-1.6E+07	12774045
60.19997	15627.3	-75.4791	37.83079	4152353	-1.6E+07	12774108
60.39997	15753.41	-75.4789	37.83074	4152412	-1.6E+07	12774172
60.59997	15880.17	-75.4788	37.83069	4152472	-1.6E+07	12774235
60.79997	16007.59	-75.4787	37.83064	4152532	-1.6E+07	12774299
60.99997	16135.65	-75.4786	37.83059	4152592	-1.6E+07	12774363
61.19997	16264.36	-75.4785	37.83054	4152654	-1.6E+07	12774427
61.39997	16393.72	-75.4784	37.83049	4152715	-1.6E+07	12774492
61.59997	16523.74	-75.4782	37.83043	4152778	-1.6E+07	12774556
61.79997	16654.41	-75.4781	37.83038	4152841	-1.6E+07	12774621
61.99997	16785.74	-75.478	37.83033	4152904	-1.6E+07	12774686
62.19997	16917.73	-75.4779	37.83027	4152968	-1.6E+07	12774751
62.39997	17050.37	-75.4778	37.83022	4153033	-1.6E+07	12774816
62.59997	17183.67	-75.4776	37.83016	4153098	-1.6E+07	12774882
62.79997	17317.63	-75.4775	37.8301	4153163	-1.6E+07	12774948
62.99997	17452.26	-75.4774	37.83004	4153230	-1.6E+07	12775013
63.19997	17587.55	-75.4772	37.82999	4153296	-1.6E+07	12775079
63.39997	17723.5	-75.4771	37.82993	4153364	-1.6E+07	12775146

63.59997	17860.12	-75.477	37.82987	4153432	-1.6E+07	12775212
63.79997	17997.41	-75.4768	37.8298	4153500	-1.6E+07	12775278
63.99997	18135.36	-75.4767	37.82974	4153570	-1.6E+07	12775345
64.19997	18273.98	-75.4766	37.82968	4153639	-1.6E+07	12775412
64.39997	18413.28	-75.4764	37.82961	4153710	-1.6E+07	12775479
64.59997	18553.24	-75.4763	37.82955	4153781	-1.6E+07	12775546
64.79997	18693.88	-75.4761	37.82948	4153852	-1.6E+07	12775614
64.99997	18835.19	-75.476	37.82942	4153924	-1.6E+07	12775681
65.19997	18977.17	-75.4758	37.82935	4153997	-1.6E+07	12775749
65.39997	19119.84	-75.4757	37.82928	4154071	-1.6E+07	12775816
65.59997	19263.16	-75.4755	37.82921	4154145	-1.6E+07	12775884
65.79997	19407.13	-75.4754	37.82914	4154219	-1.6E+07	12775952
65.99997	19551.73	-75.4752	37.82907	4154295	-1.6E+07	12776021
66.19997	19696.95	-75.4751	37.829	4154370	-1.6E+07	12776089
66.39997	19842.78	-75.4749	37.82893	4154447	-1.6E+07	12776157
66.59997	19989.21	-75.4748	37.82885	4154524	-1.6E+07	12776226
66.79997	20136.24	-75.4746	37.82878	4154602	-1.6E+07	12776295
66.99997	20283.87	-75.4745	37.8287	4154680	-1.6E+07	12776363
67.19997	20432.11	-75.4743	37.82862	4154759	-1.6E+07	12776432
67.39997	20580.95	-75.4741	37.82855	4154838	-1.6E+07	12776501
67.59997	20730.4	-75.474	37.82847	4154919	-1.6E+07	12776570
67.79997	20880.46	-75.4738	37.82839	4154999	-1.6E+07	12776639
67.99997	21031.13	-75.4736	37.82831	4155081	-1.6E+07	12776708
68.19997	21182.4	-75.4735	37.82823	4155163	-1.6E+07	12776778
68.39997	21334.29	-75.4733	37.82814	4155246	-1.6E+07	12776847
68.59997	21486.78	-75.4731	37.82806	4155329	-1.6E+07	12776916
68.79997	21639.9	-75.4729	37.82798	4155413	-1.6E+07	12776986
68.99997	21793.62	-75.4728	37.82789	4155498	-1.6E+07	12777056
69.19997	21947.95	-75.4726	37.8278	4155583	-1.6E+07	12777125
69.39997	22102.9	-75.4724	37.82772	4155669	-1.6E+07	12777195
69.59997	22258.47	-75.4722	37.82763	4155755	-1.6E+07	12777265
69.79997	22414.65	-75.472	37.82754	4155843	-1.6E+07	12777335
69.99997	22571.45	-75.4719	37.82745	4155931	-1.6E+07	12777405
70.19997	22728.87	-75.4717	37.82735	4156019	-1.6E+07	12777475
70.39997	22886.91	-75.4715	37.82726	4156109	-1.6E+07	12777545
70.59997	23045.56	-75.4713	37.82717	4156199	-1.6E+07	12777615
70.79997	23204.83	-75.4711	37.82707	4156289	-1.6E+07	12777685
70.99997	23364.73	-75.4709	37.82697	4156381	-1.6E+07	12777756
71.19997	23525.24	-75.4707	37.82688	4156473	-1.6E+07	12777826
71.39997	23686.37	-75.4705	37.82678	4156566	-1.6E+07	12777896
71.59997	23848.12	-75.4703	37.82668	4156659	-1.6E+07	12777967
71.79997	24010.5	-75.4701	37.82658	4156753	-1.6E+07	12778037
71.99997	24173.49	-75.4699	37.82647	4156848	-1.6E+07	12778108
72.19997	24337.1	-75.4697	37.82637	4156944	-1.6E+07	12778178
72.39997	24501.34	-75.4695	37.82627	4157040	-1.6E+07	12778249
72.59997	24666.19	-75.4693	37.82616	4157137	-1.6E+07	12778319
72.79997	24831.67	-75.4691	37.82605	4157235	-1.6E+07	12778390

72.99997	24997.76	-75.4689	37.82595	4157334	-1.6E+07	12778461
73.19997	25164.48	-75.4687	37.82584	4157433	-1.6E+07	12778531
73.39997	25331.82	-75.4684	37.82572	4157533	-1.6E+07	12778602
73.59997	25499.78	-75.4682	37.82561	4157634	-1.6E+07	12778673
73.79997	25668.36	-75.468	37.8255	4157735	-1.6E+07	12778744
73.99997	25837.56	-75.4678	37.82538	4157837	-1.6E+07	12778814
74.19997	26007.39	-75.4676	37.82527	4157940	-1.6E+07	12778885
74.39997	26177.83	-75.4673	37.82515	4158044	-1.6E+07	12778956
74.59997	26348.9	-75.4671	37.82503	4158148	-1.6E+07	12779027
74.79997	26520.58	-75.4669	37.82491	4158254	-1.6E+07	12779097
74.99997	26692.89	-75.4666	37.82479	4158360	-1.6E+07	12779168
75.19997	26865.82	-75.4664	37.82467	4158466	-1.6E+07	12779239
75.39997	27039.37	-75.4662	37.82455	4158574	-1.6E+07	12779310
75.59997	27213.54	-75.4659	37.82442	4158682	-1.6E+07	12779380
75.79997	27388.33	-75.4657	37.82429	4158791	-1.6E+07	12779451
75.99997	27563.74	-75.4654	37.82417	4158901	-1.6E+07	12779522
76.19997	27739.77	-75.4652	37.82404	4159012	-1.6E+07	12779592
76.39997	27916.42	-75.465	37.82391	4159123	-1.6E+07	12779663
76.59997	28093.68	-75.4647	37.82377	4159236	-1.6E+07	12779734
76.79997	28271.56	-75.4645	37.82364	4159349	-1.6E+07	12779804
76.99997	28450.07	-75.4642	37.8235	4159463	-1.6E+07	12779875
77.19997	28629.18	-75.4639	37.82337	4159577	-1.6E+07	12779945
77.39997	28808.92	-75.4637	37.82323	4159693	-1.6E+07	12780016
77.59997	28989.27	-75.4634	37.82309	4159809	-1.6E+07	12780086
77.79997	29170.23	-75.4632	37.82295	4159926	-1.6E+07	12780156
77.99997	29351.8	-75.4629	37.82281	4160044	-1.6E+07	12780227
78.19997	29533.99	-75.4626	37.82266	4160163	-1.6E+07	12780297
78.39997	29716.79	-75.4624	37.82252	4160283	-1.6E+07	12780367
78.59997	29900.19	-75.4621	37.82237	4160403	-1.6E+07	12780437
78.79997	30084.21	-75.4618	37.82222	4160524	-1.6E+07	12780507
78.99997	30268.83	-75.4615	37.82207	4160646	-1.6E+07	12780577
79.19997	30454.06	-75.4613	37.82192	4160769	-1.6E+07	12780647
79.39997	30639.9	-75.461	37.82177	4160893	-1.6E+07	12780717
79.59997	30826.34	-75.4607	37.82161	4161018	-1.6E+07	12780787
79.79997	31013.39	-75.4604	37.82145	4161143	-1.6E+07	12780856
79.99997	31201.04	-75.4601	37.8213	4161270	-1.6E+07	12780926
80.04997	31248.05	-75.4601	37.82126	4161302	-1.6E+07	12780943
80.19997	31389.29	-75.4598	37.82114	4161397	-1.6E+07	12780995
80.24997	31436.45	-75.4598	37.8211	4161429	-1.6E+07	12781012
80.39997	31578.15	-75.4596	37.82098	4161525	-1.6E+07	12781064
80.59997	31767.6	-75.4593	37.82081	4161654	-1.6E+07	12781134
80.79997	31957.66	-75.459	37.82065	4161784	-1.6E+07	12781203
80.99997	32148.31	-75.4587	37.82048	4161915	-1.6E+07	12781272
81.19997	32339.57	-75.4584	37.82031	4162046	-1.6E+07	12781341
81.39997	32531.42	-75.4581	37.82014	4162179	-1.6E+07	12781410
81.59997	32723.88	-75.4578	37.81997	4162312	-1.6E+07	12781478
81.79997	32916.94	-75.4574	37.8198	4162446	-1.6E+07	12781547

81.99997	33110.59	-75.4571	37.81963	4162581	-1.6E+07	12781615
82.19997	33304.85	-75.4568	37.81945	4162717	-1.6E+07	12781684
82.39997	33499.71	-75.4565	37.81927	4162854	-1.6E+07	12781752
82.59997	33695.17	-75.4562	37.81909	4162992	-1.6E+07	12781820
82.79997	33891.23	-75.4559	37.81891	4163131	-1.6E+07	12781888
82.99997	34087.89	-75.4556	37.81873	4163270	-1.6E+07	12781956
83.19997	34285.15	-75.4552	37.81854	4163411	-1.6E+07	12782023
83.39997	34483.01	-75.4549	37.81836	4163552	-1.6E+07	12782091
83.59997	34681.47	-75.4546	37.81817	4163695	-1.6E+07	12782158
83.79997	34880.54	-75.4542	37.81798	4163838	-1.6E+07	12782225
83.99997	35080.2	-75.4539	37.81778	4163982	-1.6E+07	12782292
84.19997	35280.47	-75.4536	37.81759	4164128	-1.6E+07	12782359
84.39997	35481.34	-75.4532	37.81739	4164274	-1.6E+07	12782426
84.59997	35682.81	-75.4529	37.8172	4164421	-1.6E+07	12782493
84.79997	35884.88	-75.4525	37.817	4164569	-1.6E+07	12782559
84.99997	36087.55	-75.4522	37.8168	4164718	-1.6E+07	12782625
85.19997	36290.81	-75.4518	37.81659	4164868	-1.6E+07	12782691
85.39997	36494.69	-75.4515	37.81639	4165019	-1.6E+07	12782757
85.59997	36699.16	-75.4511	37.81618	4165171	-1.6E+07	12782823
85.79997	36904.24	-75.4508	37.81597	4165324	-1.6E+07	12782888
85.99997	37109.91	-75.4504	37.81576	4165478	-1.6E+07	12782954
86.19997	37316.18	-75.45	37.81555	4165632	-1.6E+07	12783019
86.39997	37523.06	-75.4497	37.81533	4165788	-1.6E+07	12783084
86.59997	37730.54	-75.4493	37.81512	4165945	-1.6E+07	12783149
86.79997	37938.62	-75.4489	37.8149	4166103	-1.6E+07	12783213
86.99997	38147.3	-75.4486	37.81468	4166262	-1.6E+07	12783278
87.19997	38356.58	-75.4482	37.81445	4166422	-1.6E+07	12783342
87.39997	38566.46	-75.4478	37.81423	4166583	-1.6E+07	12783406
87.59997	38776.94	-75.4474	37.814	4166745	-1.6E+07	12783469
87.79997	38988.03	-75.447	37.81377	4166907	-1.6E+07	12783533
87.99997	39199.72	-75.4466	37.81354	4167071	-1.6E+07	12783596
88.19997	39412	-75.4463	37.81331	4167236	-1.6E+07	12783659
88.39997	39624.88	-75.4459	37.81308	4167402	-1.6E+07	12783722
88.59997	39838.37	-75.4455	37.81284	4167569	-1.6E+07	12783785
88.79997	40052.46	-75.4451	37.8126	4167738	-1.6E+07	12783847
88.99997	40267.15	-75.4447	37.81236	4167907	-1.6E+07	12783909
89.19997	40482.43	-75.4442	37.81212	4168077	-1.6E+07	12783971
89.39997	40698.31	-75.4438	37.81187	4168248	-1.6E+07	12784033
89.59997	40914.79	-75.4434	37.81162	4168421	-1.6E+07	12784095
89.79997	41131.88	-75.443	37.81138	4168594	-1.6E+07	12784156
89.99997	41349.56	-75.4426	37.81112	4168769	-1.6E+07	12784217
90.04997	41404.07	-75.4425	37.81106	4168813	-1.6E+07	12784232
90.19997	41567.83	-75.4422	37.81087	4168944	-1.6E+07	12784277
90.24997	41622.49	-75.4421	37.81081	4168988	-1.6E+07	12784293
90.39997	41786.7	-75.4417	37.81061	4169121	-1.6E+07	12784338
90.59997	42006.17	-75.4413	37.81036	4169299	-1.6E+07	12784398
90.79997	42226.23	-75.4409	37.8101	4169478	-1.6E+07	12784458

90.99997	42446.89	-75.4405	37.80983	4169658	-1.6E+07	12784518
91.19997	42668.13	-75.44	37.80957	4169839	-1.6E+07	12784577
91.39997	42889.96	-75.4396	37.8093	4170021	-1.6E+07	12784636
91.59997	43112.39	-75.4391	37.80903	4170205	-1.6E+07	12784695
91.79997	43335.41	-75.4387	37.80876	4170389	-1.6E+07	12784753
91.99997	43559.01	-75.4382	37.80849	4170575	-1.6E+07	12784812
92.19997	43783.2	-75.4378	37.80821	4170762	-1.6E+07	12784870
92.39997	44007.98	-75.4373	37.80794	4170950	-1.6E+07	12784927
92.59997	44233.34	-75.4369	37.80765	4171139	-1.6E+07	12784984
92.79997	44459.29	-75.4364	37.80737	4171329	-1.6E+07	12785041
92.99997	44685.83	-75.4359	37.80709	4171521	-1.6E+07	12785098
93.19997	44912.94	-75.4355	37.8068	4171714	-1.6E+07	12785154
93.39997	45140.63	-75.435	37.80651	4171907	-1.6E+07	12785211
93.59997	45368.91	-75.4345	37.80622	4172102	-1.6E+07	12785266
93.79997	45597.78	-75.4341	37.80592	4172299	-1.6E+07	12785322
93.99997	45827.21	-75.4336	37.80563	4172496	-1.6E+07	12785377
94.19997	46057.23	-75.4331	37.80533	4172695	-1.6E+07	12785431
94.39997	46287.82	-75.4326	37.80503	4172895	-1.6E+07	12785486
94.59997	46518.98	-75.4321	37.80472	4173096	-1.6E+07	12785540
94.79997	46750.72	-75.4316	37.80442	4173298	-1.6E+07	12785594
94.99997	46983.04	-75.4311	37.80411	4173502	-1.6E+07	12785647
95.19997	47215.92	-75.4306	37.8038	4173707	-1.6E+07	12785700
95.39997	47449.37	-75.4301	37.80348	4173913	-1.6E+07	12785753
95.59997	47683.39	-75.4296	37.80317	4174120	-1.6E+07	12785805
95.79997	47917.97	-75.4291	37.80285	4174328	-1.6E+07	12785857
95.99997	48153.13	-75.4286	37.80253	4174538	-1.6E+07	12785908
96.19997	48388.84	-75.428	37.8022	4174749	-1.6E+07	12785959
96.39997	48625.12	-75.4275	37.80188	4174962	-1.6E+07	12786010
96.59997	48861.96	-75.427	37.80155	4175175	-1.6E+07	12786060
96.79997	49099.36	-75.4264	37.80122	4175390	-1.6E+07	12786110
96.99997	49337.32	-75.4259	37.80088	4175607	-1.6E+07	12786160
97.19997	49575.84	-75.4254	37.80055	4175824	-1.6E+07	12786209
97.39997	49814.91	-75.4248	37.80021	4176043	-1.6E+07	12786258
97.59997	50054.53	-75.4243	37.79986	4176263	-1.6E+07	12786306
97.79997	50294.71	-75.4237	37.79952	4176485	-1.6E+07	12786354
97.99997	50535.44	-75.4232	37.79917	4176708	-1.6E+07	12786402
98.19997	50776.71	-75.4226	37.79882	4176932	-1.6E+07	12786449
98.39997	51018.53	-75.4221	37.79847	4177157	-1.6E+07	12786495
98.59997	51260.9	-75.4215	37.79812	4177384	-1.6E+07	12786541
98.79997	51503.82	-75.4209	37.79776	4177612	-1.6E+07	12786587
98.99997	51747.28	-75.4203	37.7974	4177842	-1.6E+07	12786633
99.19997	51991.28	-75.4198	37.79704	4178073	-1.6E+07	12786677
99.39997	52235.81	-75.4192	37.79667	4178305	-1.6E+07	12786722
99.59997	52480.89	-75.4186	37.7963	4178539	-1.6E+07	12786766
99.79997	52726.5	-75.418	37.79593	4178774	-1.6E+07	12786809
99.99997	52972.65	-75.4174	37.79556	4179010	-1.6E+07	12786852
100.2	53219.34	-75.4168	37.79518	4179248	-1.6E+07	12786895

100.4	53466.55	-75.4162	37.7948	4179487	-1.6E+07	12786937
100.6	53714.3	-75.4156	37.79442	4179728	-1.6E+07	12786979
100.8	53962.58	-75.415	37.79404	4179970	-1.6E+07	12787020
101	54211.39	-75.4144	37.79365	4180214	-1.6E+07	12787061
101.2	54460.72	-75.4138	37.79326	4180459	-1.6E+07	12787101
101.4	54710.57	-75.4131	37.79286	4180705	-1.6E+07	12787140
101.6	54960.96	-75.4125	37.79247	4180953	-1.6E+07	12787180
101.8	55211.86	-75.4119	37.79207	4181202	-1.6E+07	12787218
102	55463.29	-75.4113	37.79167	4181453	-1.6E+07	12787256
102.2	55715.24	-75.4106	37.79126	4181705	-1.6E+07	12787294
102.4	55967.7	-75.41	37.79086	4181959	-1.6E+07	12787331
102.6	56220.69	-75.4093	37.79045	4182214	-1.6E+07	12787368
102.8	56474.19	-75.4087	37.79003	4182471	-1.6E+07	12787404
103	56728.21	-75.408	37.78962	4182729	-1.6E+07	12787439
103.2	56982.73	-75.4074	37.7892	4182988	-1.6E+07	12787474
103.4	57237.76	-75.4067	37.78878	4183250	-1.6E+07	12787509
103.6	57493.31	-75.406	37.78835	4183512	-1.6E+07	12787543
103.8	57749.36	-75.4053	37.78792	4183776	-1.6E+07	12787576
104	58005.91	-75.4047	37.78749	4184042	-1.6E+07	12787609
104.2	58262.96	-75.404	37.78706	4184309	-1.6E+07	12787641
104.4	58520.51	-75.4033	37.78662	4184578	-1.6E+07	12787673
104.6	58778.55	-75.4026	37.78618	4184848	-1.6E+07	12787704
104.8	59037.1	-75.4019	37.78574	4185120	-1.6E+07	12787735
105	59296.14	-75.4012	37.78529	4185394	-1.6E+07	12787765
105.2	59555.66	-75.4005	37.78484	4185668	-1.6E+07	12787794
105.4	59815.67	-75.3998	37.78439	4185945	-1.6E+07	12787823
105.6	60076.18	-75.3991	37.78393	4186223	-1.6E+07	12787851
105.8	60337.17	-75.3984	37.78348	4186503	-1.6E+07	12787879
106	60598.65	-75.3976	37.78301	4186784	-1.6E+07	12787906
106.2	60860.61	-75.3969	37.78255	4187067	-1.6E+07	12787932
106.4	61123.04	-75.3962	37.78208	4187351	-1.6E+07	12787958
106.6	61385.97	-75.3954	37.78161	4187638	-1.6E+07	12787983
106.8	61649.37	-75.3947	37.78114	4187925	-1.6E+07	12788008
107	61913.24	-75.3939	37.78066	4188215	-1.6E+07	12788032
107.2	62177.59	-75.3932	37.78018	4188506	-1.6E+07	12788055
107.4	62442.41	-75.3924	37.7797	4188798	-1.6E+07	12788078
107.6	62707.71	-75.3917	37.77921	4189092	-1.6E+07	12788100
107.8	62973.48	-75.3909	37.77872	4189388	-1.6E+07	12788121
108	63239.71	-75.3901	37.77823	4189686	-1.6E+07	12788142
108.2	63506.41	-75.3894	37.77773	4189985	-1.6E+07	12788162
108.4	63773.56	-75.3886	37.77723	4190286	-1.6E+07	12788181
108.6	64041.19	-75.3878	37.77673	4190588	-1.6E+07	12788200
108.8	64309.27	-75.387	37.77622	4190892	-1.6E+07	12788218
109	64577.82	-75.3862	37.77571	4191198	-1.6E+07	12788236
109.2	64846.81	-75.3854	37.7752	4191506	-1.6E+07	12788253
109.4	65116.27	-75.3846	37.77468	4191815	-1.6E+07	12788269
109.6	65386.18	-75.3838	37.77417	4192126	-1.6E+07	12788284

109.8	65656.56	-75.383	37.77364	4192438	-1.6E+07	12788299
110	65927.41	-75.3821	37.77312	4192753	-1.6E+07	12788313
110.2	66198.71	-75.3813	37.77259	4193069	-1.6E+07	12788326
110.4	66470.49	-75.3805	37.77206	4193387	-1.6E+07	12788339
110.6	66742.74	-75.3796	37.77152	4193706	-1.6E+07	12788351
110.8	67015.47	-75.3788	37.77098	4194027	-1.6E+07	12788362
111	67288.66	-75.378	37.77044	4194350	-1.6E+07	12788373
111.2	67562.33	-75.3771	37.76989	4194675	-1.6E+07	12788383
111.4	67836.48	-75.3762	37.76934	4195001	-1.6E+07	12788392
111.6	68111.11	-75.3754	37.76879	4195329	-1.6E+07	12788401
111.8	68386.22	-75.3745	37.76824	4195659	-1.6E+07	12788409
112	68661.81	-75.3736	37.76768	4195990	-1.6E+07	12788416
112.2	68937.87	-75.3728	37.76711	4196323	-1.6E+07	12788423
112.4	69214.41	-75.3719	37.76655	4196658	-1.6E+07	12788429
112.6	69491.44	-75.371	37.76598	4196995	-1.6E+07	12788434
112.8	69768.95	-75.3701	37.76541	4197334	-1.6E+07	12788439
113	70046.94	-75.3692	37.76483	4197674	-1.6E+07	12788442
113.2	70325.4	-75.3683	37.76425	4198016	-1.6E+07	12788446
113.4	70604.35	-75.3674	37.76367	4198360	-1.6E+07	12788448
113.6	70883.78	-75.3665	37.76308	4198706	-1.6E+07	12788450
113.8	71163.69	-75.3655	37.76249	4199053	-1.6E+07	12788451
114	71444.08	-75.3646	37.7619	4199402	-1.6E+07	12788451
114.2	71724.95	-75.3637	37.7613	4199753	-1.6E+07	12788450
114.4	72006.3	-75.3628	37.7607	4200106	-1.6E+07	12788449
114.6	72288.14	-75.3618	37.76009	4200460	-1.6E+07	12788447
114.8	72570.46	-75.3609	37.75949	4200817	-1.6E+07	12788445
115	72853.25	-75.3599	37.75888	4201175	-1.6E+07	12788441
115.2	73136.53	-75.359	37.75826	4201535	-1.6E+07	12788437
115.4	73420.3	-75.358	37.75764	4201897	-1.6E+07	12788433
115.6	73704.56	-75.357	37.75702	4202261	-1.6E+07	12788427
115.8	73989.3	-75.3561	37.7564	4202626	-1.6E+07	12788421
116	74274.53	-75.3551	37.75577	4202993	-1.6E+07	12788414
116.2	74560.24	-75.3541	37.75514	4203362	-1.6E+07	12788406
116.4	74846.44	-75.3531	37.7545	4203733	-1.6E+07	12788398
116.6	75133.14	-75.3521	37.75386	4204106	-1.6E+07	12788389
116.8	75420.33	-75.3511	37.75322	4204481	-1.6E+07	12788379
117	75708.01	-75.3501	37.75257	4204858	-1.6E+07	12788368
117.2	75996.18	-75.3491	37.75192	4205236	-1.6E+07	12788357
117.4	76284.84	-75.3481	37.75127	4205616	-1.6E+07	12788344
117.6	76573.99	-75.3471	37.75061	4205998	-1.6E+07	12788331
117.8	76863.64	-75.346	37.74995	4206382	-1.6E+07	12788318
118	77153.78	-75.345	37.74929	4206768	-1.6E+07	12788303
118.2	77444.41	-75.344	37.74862	4207156	-1.6E+07	12788288
118.4	77735.54	-75.3429	37.74795	4207546	-1.6E+07	12788272
118.6	78027.17	-75.3419	37.74727	4207937	-1.6E+07	12788255
118.8	78319.29	-75.3408	37.74659	4208331	-1.6E+07	12788238
119	78611.91	-75.3397	37.74591	4208726	-1.6E+07	12788220

119.2	78905.02	-75.3387	37.74522	4209123	-1.6E+07	12788201
119.4	79198.63	-75.3376	37.74453	4209522	-1.6E+07	12788181
119.6	79492.75	-75.3365	37.74384	4209924	-1.6E+07	12788160
119.8	79787.36	-75.3354	37.74314	4210327	-1.6E+07	12788139
120	80082.47	-75.3343	37.74244	4210732	-1.6E+07	12788117
120.2	80378.08	-75.3332	37.74173	4211138	-1.6E+07	12788094
120.4	80674.19	-75.3321	37.74102	4211547	-1.6E+07	12788070
120.6	80970.81	-75.331	37.74031	4211958	-1.6E+07	12788046
120.8	81267.94	-75.3299	37.73959	4212371	-1.6E+07	12788020
121	81565.56	-75.3288	37.73887	4212785	-1.6E+07	12787994
121.2	81863.69	-75.3277	37.73815	4213202	-1.6E+07	12787968
121.4	82162.32	-75.3266	37.73742	4213620	-1.6E+07	12787940
121.6	82461.46	-75.3254	37.73669	4214041	-1.6E+07	12787911
121.8	82761.11	-75.3243	37.73595	4214463	-1.6E+07	12787882
122	83061.27	-75.3231	37.73522	4214888	-1.6E+07	12787852
122.2	83361.93	-75.322	37.73447	4215314	-1.6E+07	12787821
122.4	83663.11	-75.3208	37.73373	4215742	-1.6E+07	12787790
122.6	83964.8	-75.3197	37.73297	4216173	-1.6E+07	12787757
122.8	84267.01	-75.3185	37.73222	4216605	-1.6E+07	12787724
123	84569.72	-75.3173	37.73146	4217039	-1.6E+07	12787690
123.2	84872.95	-75.3161	37.7307	4217476	-1.6E+07	12787655
123.4	85176.71	-75.3149	37.72993	4217914	-1.6E+07	12787619
123.6	85480.98	-75.3137	37.72916	4218354	-1.6E+07	12787583
123.8	85785.78	-75.3125	37.72839	4218796	-1.6E+07	12787545
124	86091.09	-75.3113	37.72761	4219241	-1.6E+07	12787507
124.2	86396.93	-75.3101	37.72683	4219687	-1.6E+07	12787468
124.4	86703.3	-75.3089	37.72604	4220135	-1.6E+07	12787428
124.6	87010.19	-75.3077	37.72525	4220586	-1.6E+07	12787388
124.8	87317.62	-75.3064	37.72446	4221038	-1.6E+07	12787346
125	87625.57	-75.3052	37.72366	4221493	-1.6E+07	12787304
125.2	87934.05	-75.304	37.72286	4221949	-1.6E+07	12787261
125.4	88243.07	-75.3027	37.72205	4222408	-1.6E+07	12787217
125.6	88552.63	-75.3015	37.72124	4222868	-1.6E+07	12787172
125.8	88862.72	-75.3002	37.72043	4223331	-1.6E+07	12787127
126	89173.35	-75.2989	37.71961	4223795	-1.6E+07	12787080
126.2	89484.52	-75.2977	37.71879	4224262	-1.6E+07	12787033
126.4	89796.24	-75.2964	37.71797	4224731	-1.6E+07	12786985
126.6	90108.5	-75.2951	37.71714	4225202	-1.6E+07	12786936
126.8	90421.31	-75.2938	37.7163	4225674	-1.6E+07	12786886
127	90734.66	-75.2925	37.71547	4226149	-1.6E+07	12786835
127.2	91048.56	-75.2912	37.71462	4226626	-1.6E+07	12786784
127.4	91363.01	-75.2899	37.71378	4227106	-1.6E+07	12786732
127.6	91678	-75.2886	37.71293	4227587	-1.6E+07	12786679
127.8	91993.54	-75.2873	37.71208	4228070	-1.6E+07	12786624
128	92309.61	-75.2859	37.71122	4228555	-1.6E+07	12786570
128.2	92626.22	-75.2846	37.71036	4229043	-1.6E+07	12786514
128.4	92943.38	-75.2833	37.70949	4229533	-1.6E+07	12786457

128.6	93261.07	-75.2819	37.70862	4230024	-1.6E+07	12786400
128.8	93579.29	-75.2806	37.70774	4230518	-1.6E+07	12786341
129	93898.04	-75.2792	37.70687	4231014	-1.6E+07	12786282
129.2	94217.32	-75.2778	37.70598	4231512	-1.6E+07	12786222
129.4	94537.14	-75.2765	37.7051	4232012	-1.6E+07	12786161
129.6	94857.47	-75.2751	37.70421	4232515	-1.6E+07	12786099
129.8	95178.33	-75.2737	37.70331	4233019	-1.6E+07	12786036
130	95499.71	-75.2723	37.70241	4233526	-1.6E+07	12785972
130.2	95821.62	-75.2709	37.70151	4234035	-1.6E+07	12785907
130.4	96144.05	-75.2695	37.7006	4234546	-1.6E+07	12785842
130.6	96467	-75.2681	37.69969	4235059	-1.6E+07	12785775
130.8	96790.47	-75.2667	37.69877	4235575	-1.6E+07	12785707
131	97114.45	-75.2653	37.69785	4236092	-1.6E+07	12785639
131.2	97438.96	-75.2638	37.69692	4236612	-1.6E+07	12785570
131.4	97763.99	-75.2624	37.69599	4237134	-1.6E+07	12785499
131.6	98089.53	-75.261	37.69506	4237658	-1.6E+07	12785428
131.8	98415.59	-75.2595	37.69412	4238184	-1.6E+07	12785356
132	98742.16	-75.2581	37.69318	4238713	-1.6E+07	12785282
132.2	99069.25	-75.2566	37.69223	4239244	-1.6E+07	12785208
132.4	99396.85	-75.2551	37.69128	4239777	-1.6E+07	12785133
132.6	99724.97	-75.2536	37.69032	4240312	-1.6E+07	12785057
132.8	100053.6	-75.2522	37.68936	4240850	-1.6E+07	12784980
133	100382.7	-75.2507	37.6884	4241389	-1.6E+07	12784902
133.2	100712.4	-75.2492	37.68743	4241931	-1.6E+07	12784823
133.4	101042.5	-75.2477	37.68646	4242476	-1.6E+07	12784743
133.6	101373.2	-75.2462	37.68548	4243022	-1.6E+07	12784662
133.8	101704.4	-75.2447	37.6845	4243571	-1.6E+07	12784580
134	102036.1	-75.2431	37.68351	4244122	-1.6E+07	12784497
134.2	102368.3	-75.2416	37.68252	4244675	-1.6E+07	12784413
134.4	102701	-75.2401	37.68152	4245231	-1.6E+07	12784328
134.6	103034.2	-75.2385	37.68052	4245788	-1.6E+07	12784242
134.8	103367.9	-75.237	37.67952	4246348	-1.6E+07	12784155
135	103702.1	-75.2354	37.67851	4246911	-1.6E+07	12784067
135.2	104036.8	-75.2339	37.6775	4247476	-1.6E+07	12783978
135.4	104372	-75.2323	37.67648	4248043	-1.6E+07	12783888
135.6	104707.7	-75.2307	37.67545	4248612	-1.6E+07	12783797
135.8	105044	-75.2291	37.67443	4249184	-1.6E+07	12783705
136	105380.7	-75.2275	37.67339	4249758	-1.6E+07	12783611
136.2	105718	-75.2259	37.67236	4250334	-1.6E+07	12783517
136.4	106055.7	-75.2243	37.67132	4250912	-1.6E+07	12783422
136.6	106393.9	-75.2227	37.67027	4251493	-1.6E+07	12783326
136.8	106732.7	-75.2211	37.66922	4252077	-1.6E+07	12783228
137	107071.9	-75.2195	37.66817	4252662	-1.6E+07	12783130
137.2	107411.7	-75.2179	37.66711	4253250	-1.6E+07	12783030
137.4	107752	-75.2162	37.66604	4253841	-1.6E+07	12782930
137.6	108092.7	-75.2146	37.66497	4254433	-1.6E+07	12782828
137.8	108434	-75.2129	37.6639	4255028	-1.6E+07	12782726

138	108775.7	-75.2113	37.66282	4255626	-1.6E+07	12782622
138.2	109118	-75.2096	37.66174	4256226	-1.6E+07	12782517
138.4	109460.8	-75.2079	37.66065	4256828	-1.6E+07	12782411
138.6	109804	-75.2062	37.65956	4257432	-1.6E+07	12782304
138.8	110147.8	-75.2046	37.65846	4258039	-1.6E+07	12782196
139	110492	-75.2029	37.65736	4258649	-1.6E+07	12782087
139.2	110836.8	-75.2012	37.65625	4259261	-1.6E+07	12781977
139.4	111182	-75.1995	37.65514	4259875	-1.6E+07	12781866
139.6	111527.8	-75.1977	37.65402	4260492	-1.6E+07	12781753
139.8	111874.1	-75.196	37.6529	4261111	-1.6E+07	12781640
140	112220.8	-75.1943	37.65177	4261732	-1.6E+07	12781525
140.2	112568	-75.1925	37.65064	4262356	-1.6E+07	12781409
140.4	112915.8	-75.1908	37.6495	4262982	-1.6E+07	12781293
140.6	113264	-75.189	37.64836	4263611	-1.6E+07	12781175
140.8	113612.8	-75.1873	37.64722	4264243	-1.6E+07	12781055
141	113962	-75.1855	37.64607	4264876	-1.6E+07	12780935
141.2	114311.7	-75.1837	37.64491	4265513	-1.6E+07	12780814
141.4	114662	-75.182	37.64375	4266151	-1.6E+07	12780691
141.6	115012.7	-75.1802	37.64259	4266792	-1.6E+07	12780568
141.8	115363.9	-75.1784	37.64142	4267436	-1.6E+07	12780443
142	115715.7	-75.1766	37.64024	4268082	-1.6E+07	12780317
142.2	116067.9	-75.1748	37.63906	4268731	-1.6E+07	12780190
142.4	116420.6	-75.1729	37.63788	4269382	-1.6E+07	12780062
142.6	116773.9	-75.1711	37.63669	4270035	-1.6E+07	12779932
142.8	117127.6	-75.1693	37.63549	4270692	-1.6E+07	12779802
143	117481.8	-75.1674	37.63429	4271350	-1.6E+07	12779670
143.2	117836.5	-75.1656	37.63309	4272011	-1.6E+07	12779537
143.4	118191.8	-75.1637	37.63188	4272675	-1.6E+07	12779403
143.6	118547.5	-75.1619	37.63066	4273341	-1.6E+07	12779268
143.8	118903.7	-75.16	37.62944	4274010	-1.6E+07	12779132
144	119260.4	-75.1581	37.62822	4274681	-1.6E+07	12778994
144.2	119617.7	-75.1562	37.62698	4275355	-1.6E+07	12778855
144.4	119975.4	-75.1544	37.62575	4276031	-1.6E+07	12778715
144.6	120333.6	-75.1525	37.62451	4276710	-1.6E+07	12778574
144.8	120692.3	-75.1505	37.62326	4277392	-1.6E+07	12778432
145	121051.5	-75.1486	37.62201	4278076	-1.6E+07	12778288
145.2	121411.2	-75.1467	37.62076	4278763	-1.6E+07	12778144
145.4	121771.5	-75.1448	37.6195	4279452	-1.6E+07	12777998
145.6	122132.2	-75.1428	37.61823	4280144	-1.6E+07	12777850
145.8	122493.4	-75.1409	37.61696	4280838	-1.6E+07	12777702
146	122855.1	-75.1389	37.61568	4281535	-1.6E+07	12777552
146.2	123217.3	-75.137	37.6144	4282235	-1.6E+07	12777402
146.4	123580	-75.135	37.61311	4282937	-1.6E+07	12777250
146.6	123943.2	-75.133	37.61182	4283642	-1.6E+07	12777096
146.8	124306.9	-75.131	37.61052	4284350	-1.6E+07	12776942
147	124671.1	-75.129	37.60922	4285060	-1.6E+07	12776786
147.2	125035.8	-75.127	37.60791	4285773	-1.6E+07	12776629

147.4	125401	-75.125	37.6066	4286488	-1.6E+07	12776471
147.6	125766.7	-75.123	37.60528	4287206	-1.6E+07	12776311
147.8	126132.9	-75.121	37.60396	4287927	-1.6E+07	12776150
148	126499.6	-75.119	37.60263	4288650	-1.6E+07	12775988
148.2	126866.8	-75.1169	37.60129	4289376	-1.6E+07	12775825
148.4	127234.5	-75.1149	37.59995	4290105	-1.6E+07	12775661
148.6	127602.7	-75.1128	37.59861	4290836	-1.6E+07	12775495
148.8	127971.4	-75.1108	37.59726	4291570	-1.6E+07	12775328
149	128340.6	-75.1087	37.5959	4292307	-1.6E+07	12775160
149.2	128710.3	-75.1066	37.59454	4293046	-1.6E+07	12774990
149.4	129080.5	-75.1045	37.59317	4293789	-1.6E+07	12774819
149.6	129451.3	-75.1024	37.5918	4294534	-1.6E+07	12774647
149.8	129822.5	-75.1003	37.59042	4295281	-1.6E+07	12774473
150	130194.2	-75.0982	37.58904	4296031	-1.6E+07	12774299
150.2	130566.5	-75.0961	37.58765	4296784	-1.6E+07	12774123
150.4	130939.2	-75.094	37.58626	4297540	-1.6E+07	12773945
150.6	131312.4	-75.0918	37.58486	4298299	-1.6E+07	12773766
150.8	131686.2	-75.0897	37.58346	4299060	-1.6E+07	12773587
151	132060.4	-75.0875	37.58204	4299824	-1.6E+07	12773405
151.2	132435.2	-75.0854	37.58063	4300591	-1.6E+07	12773223
151.4	132810.4	-75.0832	37.57921	4301360	-1.6E+07	12773039
151.6	133186.2	-75.081	37.57778	4302132	-1.6E+07	12772853
151.8	133562.5	-75.0788	37.57635	4302907	-1.6E+07	12772667
152	133939.3	-75.0766	37.57491	4303685	-1.6E+07	12772479
152.2	134316.6	-75.0744	37.57347	4304466	-1.6E+07	12772290
152.4	134694.4	-75.0722	37.57202	4305249	-1.6E+07	12772099
152.6	135072.7	-75.07	37.57056	4306035	-1.6E+07	12771907
152.8	135451.5	-75.0678	37.5691	4306824	-1.6E+07	12771714
153	135830.8	-75.0655	37.56764	4307616	-1.6E+07	12771519
153.2	136210.6	-75.0633	37.56616	4308411	-1.6E+07	12771323
153.4	136590.9	-75.0611	37.56469	4309208	-1.6E+07	12771126
153.6	136971.8	-75.0588	37.5632	4310009	-1.6E+07	12770927
153.8	137353.1	-75.0565	37.56172	4310812	-1.6E+07	12770727
154	137735	-75.0542	37.56022	4311618	-1.6E+07	12770526
154.2	138117.4	-75.052	37.55872	4312426	-1.6E+07	12770323
154.4	138500.2	-75.0497	37.55721	4313238	-1.6E+07	12770119
154.6	138883.6	-75.0474	37.5557	4314053	-1.6E+07	12769913
154.8	139267.5	-75.0451	37.55419	4314870	-1.6E+07	12769706
155	139651.9	-75.0427	37.55266	4315690	-1.6E+07	12769498
155.2	140036.8	-75.0404	37.55113	4316513	-1.6E+07	12769288
155.4	140422.3	-75.0381	37.5496	4317339	-1.6E+07	12769077
155.6	140808.2	-75.0357	37.54806	4318168	-1.6E+07	12768865
155.8	141194.7	-75.0334	37.54651	4319000	-1.6E+07	12768651
156	141581.6	-75.031	37.54496	4319835	-1.6E+07	12768435
156.2	141969.1	-75.0286	37.5434	4320673	-1.6E+07	12768218
156.4	142357.1	-75.0263	37.54184	4321513	-1.6E+07	12768000
156.6	142745.6	-75.0239	37.54027	4322357	-1.6E+07	12767781

156.8	143134.6	-75.0215	37.53869	4323203	-1.6E+07	12767560
157	143524.1	-75.0191	37.53711	4324052	-1.6E+07	12767337
157.2	143914.2	-75.0167	37.53552	4324905	-1.6E+07	12767113
157.4	144304.7	-75.0142	37.53393	4325760	-1.6E+07	12766888
157.6	144695.8	-75.0118	37.53233	4326618	-1.6E+07	12766661
157.8	145087.4	-75.0094	37.53072	4327479	-1.6E+07	12766433
158	145479.5	-75.0069	37.52911	4328344	-1.6E+07	12766203
158.2	145872.1	-75.0045	37.5275	4329211	-1.6E+07	12765972
158.4	146265.3	-75.002	37.52587	4330081	-1.6E+07	12765739
158.6	146658.9	-74.9995	37.52424	4330954	-1.6E+07	12765505
158.8	147053.1	-74.997	37.52261	4331830	-1.6E+07	12765270
159	147447.8	-74.9945	37.52097	4332709	-1.6E+07	12765033
159.2	147843	-74.992	37.51932	4333591	-1.6E+07	12764794
159.4	148238.8	-74.9895	37.51767	4334476	-1.6E+07	12764554
159.6	148635.1	-74.987	37.51601	4335365	-1.6E+07	12764313
159.8	149031.8	-74.9845	37.51434	4336256	-1.6E+07	12764070
160	149429.2	-74.982	37.51267	4337150	-1.6E+07	12763826
160.2	149827	-74.9794	37.51099	4338047	-1.6E+07	12763580
160.4	150225.4	-74.9769	37.50931	4338948	-1.6E+07	12763332
160.6	150624.3	-74.9743	37.50761	4339851	-1.6E+07	12763083
160.8	151023.7	-74.9717	37.50592	4340757	-1.6E+07	12762833
161	151423.6	-74.9691	37.50422	4341667	-1.6E+07	12762581
161.2	151824.1	-74.9665	37.50251	4342580	-1.6E+07	12762327
161.4	152225.1	-74.9639	37.50079	4343495	-1.6E+07	12762073
161.6	152626.7	-74.9613	37.49907	4344414	-1.6E+07	12761816
161.8	153028.7	-74.9587	37.49734	4345336	-1.6E+07	12761558
162	153431.3	-74.9561	37.49561	4346261	-1.6E+07	12761298
162.2	153834.5	-74.9534	37.49387	4347189	-1.6E+07	12761037
162.4	154238.1	-74.9508	37.49212	4348120	-1.6E+07	12760775
162.6	154642.4	-74.9481	37.49037	4349055	-1.6E+07	12760511
162.8	155047.1	-74.9455	37.48861	4349992	-1.6E+07	12760245
163	155452.4	-74.9428	37.48684	4350933	-1.6E+07	12759978
163.2	155858.2	-74.9401	37.48507	4351877	-1.6E+07	12759709
163.4	156264.6	-74.9374	37.48329	4352824	-1.6E+07	12759439
163.6	156671.5	-74.9347	37.48151	4353774	-1.6E+07	12759167
163.8	157078.9	-74.932	37.47972	4354727	-1.6E+07	12758893
164	157486.9	-74.9293	37.47792	4355683	-1.6E+07	12758618
164.2	157895.5	-74.9266	37.47612	4356643	-1.6E+07	12758341
164.4	158304.6	-74.9238	37.47431	4357606	-1.6E+07	12758063
164.6	158714.2	-74.9211	37.47249	4358572	-1.6E+07	12757784
164.8	159124.4	-74.9183	37.47067	4359541	-1.6E+07	12757502
165	159535.2	-74.9156	37.46884	4360514	-1.6E+07	12757219
165.2	159946.5	-74.9128	37.467	4361489	-1.6E+07	12756935
165.4	160358.3	-74.91	37.46516	4362468	-1.6E+07	12756649
165.6	160770.7	-74.9072	37.46331	4363450	-1.6E+07	12756361
165.8	161183.7	-74.9044	37.46145	4364436	-1.6E+07	12756071
166	161597.2	-74.9016	37.45959	4365425	-1.6E+07	12755781

166.2	162011.3	-74.8988	37.45772	4366416	-1.6E+07	12755488
166.4	162425.9	-74.8959	37.45585	4367412	-1.6E+07	12755194
166.6	162841.1	-74.8931	37.45396	4368410	-1.6E+07	12754898
166.8	163256.9	-74.8902	37.45208	4369412	-1.6E+07	12754601
167	163673.2	-74.8874	37.45018	4370417	-1.6E+07	12754302
167.2	164090.1	-74.8845	37.44828	4371425	-1.6E+07	12754001
167.4	164507.6	-74.8816	37.44637	4372437	-1.6E+07	12753699
167.6	164925.6	-74.8787	37.44445	4373452	-1.6E+07	12753395
167.8	165344.2	-74.8758	37.44253	4374470	-1.6E+07	12753089
168	165763.4	-74.8729	37.4406	4375491	-1.6E+07	12752782
168.2	166183.1	-74.87	37.43867	4376516	-1.6E+07	12752473
168.4	166603.4	-74.8671	37.43673	4377545	-1.6E+07	12752162
168.6	167024.3	-74.8641	37.43478	4378576	-1.6E+07	12751850
168.8	167445.8	-74.8612	37.43282	4379611	-1.6E+07	12751536
169	167867.8	-74.8582	37.43086	4380649	-1.6E+07	12751221
169.2	168290.5	-74.8552	37.42889	4381691	-1.6E+07	12750904
169.4	168713.7	-74.8522	37.42691	4382736	-1.6E+07	12750585
169.6	169137.5	-74.8493	37.42493	4383785	-1.6E+07	12750264
169.8	169561.9	-74.8463	37.42294	4384837	-1.6E+07	12749942
170	169986.9	-74.8432	37.42094	4385892	-1.6E+07	12749618
170.2	170412.4	-74.8402	37.41894	4386950	-1.6E+07	12749292
170.4	170838.6	-74.8372	37.41693	4388013	-1.6E+07	12748965
170.6	171265.3	-74.8342	37.41491	4389078	-1.6E+07	12748636
170.8	171692.7	-74.8311	37.41288	4390147	-1.6E+07	12748305
171	172120.6	-74.828	37.41085	4391219	-1.6E+07	12747973
171.2	172549.1	-74.825	37.40881	4392295	-1.6E+07	12747639
171.4	172978.3	-74.8219	37.40677	4393375	-1.6E+07	12747303
171.6	173408	-74.8188	37.40472	4394457	-1.6E+07	12746965
171.8	173838.3	-74.8157	37.40266	4395544	-1.6E+07	12746626
172	174269.3	-74.8126	37.40059	4396633	-1.6E+07	12746285
172.2	174700.8	-74.8095	37.39852	4397727	-1.6E+07	12745942
172.4	175133	-74.8063	37.39643	4398823	-1.6E+07	12745597
172.6	175565.7	-74.8032	37.39435	4399924	-1.6E+07	12745251
172.8	175999.1	-74.8001	37.39225	4401027	-1.6E+07	12744903
173	176433.1	-74.7969	37.39015	4402135	-1.6E+07	12744553
173.2	176867.7	-74.7937	37.38804	4403246	-1.6E+07	12744202
173.4	177302.9	-74.7905	37.38592	4404360	-1.6E+07	12743849
173.6	177738.7	-74.7873	37.3838	4405478	-1.6E+07	12743493
173.8	178175.2	-74.7841	37.38167	4406599	-1.6E+07	12743137
174	178612.3	-74.7809	37.37953	4407724	-1.6E+07	12742778
174.2	179050	-74.7777	37.37739	4408853	-1.6E+07	12742418
174.4	179488.3	-74.7745	37.37523	4409985	-1.6E+07	12742055
174.6	179927.2	-74.7712	37.37307	4411121	-1.6E+07	12741691
174.8	180366.8	-74.768	37.3709	4412261	-1.6E+07	12741326
175	180807	-74.7647	37.36873	4413404	-1.6E+07	12740958
175.2	181247.8	-74.7614	37.36655	4414550	-1.6E+07	12740589
175.4	181689.3	-74.7581	37.36436	4415700	-1.6E+07	12740218

175.6	182131.4	-74.7548	37.36216	4416854	-1.6E+07	12739845
175.8	182574.1	-74.7515	37.35996	4418012	-1.6E+07	12739470
176	183017.5	-74.7482	37.35775	4419173	-1.6E+07	12739093
176.2	183461.5	-74.7449	37.35553	4420338	-1.6E+07	12738715
176.4	183906.1	-74.7415	37.3533	4421507	-1.6E+07	12738334
176.6	184351.4	-74.7382	37.35107	4422679	-1.6E+07	12737952
176.8	184797.4	-74.7348	37.34883	4423855	-1.6E+07	12737568
177	185244	-74.7315	37.34658	4425034	-1.6E+07	12737183
177.2	185691.2	-74.7281	37.34432	4426218	-1.6E+07	12736795
177.4	186139.1	-74.7247	37.34206	4427405	-1.6E+07	12736405
177.6	186587.7	-74.7213	37.33979	4428596	-1.6E+07	12736014
177.8	187036.9	-74.7179	37.33751	4429790	-1.6E+07	12735621
178	187486.7	-74.7144	37.33522	4430989	-1.6E+07	12735226
178.2	187937.2	-74.711	37.33293	4432191	-1.6E+07	12734829
178.4	188388.4	-74.7075	37.33062	4433396	-1.6E+07	12734430
178.6	188840.3	-74.7041	37.32831	4434606	-1.6E+07	12734029
178.8	189292.8	-74.7006	37.326	4435819	-1.6E+07	12733626
179	189746	-74.6971	37.32367	4437036	-1.6E+07	12733222
179.2	190199.8	-74.6936	37.32134	4438257	-1.6E+07	12732815
179.4	190654.4	-74.6901	37.319	4439482	-1.6E+07	12732407
179.6	191109.5	-74.6866	37.31665	4440711	-1.6E+07	12731997
179.8	191565.4	-74.6831	37.31429	4441943	-1.6E+07	12731585
180	192022	-74.6796	37.31193	4443179	-1.6E+07	12731171
180.05	192136.2	-74.6787	37.31134	4443489	-1.6E+07	12731067
180.2	192479.2	-74.676	37.30956	4444419	-1.6E+07	12730755
180.25	192593.7	-74.6751	37.30896	4444730	-1.6E+07	12730650
180.4	192937.2	-74.6724	37.30718	4445663	-1.6E+07	12730337
180.6	193395.8	-74.6689	37.30479	4446911	-1.6E+07	12729917
180.8	193855.1	-74.6653	37.3024	4448163	-1.6E+07	12729495
181	194315.1	-74.6617	37.29999	4449419	-1.6E+07	12729071
181.2	194775.8	-74.6581	37.29758	4450678	-1.6E+07	12728646
181.4	195237.2	-74.6545	37.29516	4451941	-1.6E+07	12728218
181.6	195699.3	-74.6509	37.29274	4453209	-1.6E+07	12727788
181.8	196162.1	-74.6472	37.2903	4454480	-1.6E+07	12727357
182	196625.6	-74.6436	37.28786	4455755	-1.6E+07	12726923
182.2	197089.8	-74.6399	37.28541	4457034	-1.6E+07	12726488
182.4	197554.7	-74.6362	37.28295	4458317	-1.6E+07	12726050
182.6	198020.4	-74.6325	37.28048	4459604	-1.6E+07	12725611
182.8	198486.7	-74.6289	37.27801	4460895	-1.6E+07	12725169
183	198953.8	-74.6251	37.27552	4462190	-1.6E+07	12724726
183.2	199421.6	-74.6214	37.27303	4463490	-1.6E+07	12724280
183.4	199890.1	-74.6177	37.27053	4464793	-1.6E+07	12723833
183.6	200359.4	-74.614	37.26803	4466100	-1.6E+07	12723383
183.8	200829.3	-74.6102	37.26551	4467411	-1.6E+07	12722932
184	201300	-74.6064	37.26299	4468726	-1.6E+07	12722478
184.2	201771.5	-74.6027	37.26045	4470045	-1.6E+07	12722023
184.4	202243.7	-74.5989	37.25791	4471368	-1.6E+07	12721565

184.6	202716.6	-74.5951	37.25536	4472695	-1.6E+07	12721106
184.8	203190.3	-74.5913	37.25281	4474027	-1.6E+07	12720644
185	203664.7	-74.5874	37.25024	4475362	-1.6E+07	12720181
185.2	204139.9	-74.5836	37.24767	4476702	-1.6E+07	12719715
185.4	204615.8	-74.5798	37.24508	4478046	-1.6E+07	12719247
185.6	205092.5	-74.5759	37.24249	4479393	-1.6E+07	12718777
185.8	205570	-74.572	37.23989	4480745	-1.6E+07	12718306
186	206048.2	-74.5681	37.23729	4482102	-1.6E+07	12717832
186.2	206527.2	-74.5642	37.23467	4483462	-1.6E+07	12717356
186.4	207006.9	-74.5603	37.23205	4484826	-1.6E+07	12716877
186.6	207487.5	-74.5564	37.22941	4486195	-1.6E+07	12716397
186.8	207968.8	-74.5525	37.22677	4487568	-1.6E+07	12715915
187	208450.9	-74.5485	37.22412	4488945	-1.6E+07	12715431
187.2	208933.7	-74.5446	37.22146	4490326	-1.6E+07	12714944
187.4	209417.4	-74.5406	37.2188	4491711	-1.6E+07	12714456
187.6	209901.8	-74.5366	37.21612	4493101	-1.6E+07	12713965
187.8	210387.1	-74.5326	37.21344	4494495	-1.6E+07	12713472
188	210873.1	-74.5286	37.21074	4495893	-1.6E+07	12712977
188.2	211359.9	-74.5246	37.20804	4497296	-1.6E+07	12712480
188.4	211847.6	-74.5206	37.20533	4498702	-1.6E+07	12711981
188.6	212336	-74.5166	37.20261	4500113	-1.6E+07	12711480
188.8	212825.3	-74.5125	37.19988	4501529	-1.6E+07	12710976
189	213315.4	-74.5084	37.19715	4502948	-1.6E+07	12710471
189.2	213806.3	-74.5044	37.1944	4504372	-1.6E+07	12709963
189.4	214298	-74.5003	37.19165	4505801	-1.6E+07	12709453
189.6	214790.5	-74.4962	37.18888	4507233	-1.6E+07	12708941
189.8	215283.9	-74.492	37.18611	4508670	-1.6E+07	12708427
190	215778.1	-74.4879	37.18333	4510112	-1.6E+07	12707910
190.05	215901.8	-74.4869	37.18263	4510473	-1.6E+07	12707781
190.2	216273.2	-74.4838	37.18054	4511558	-1.6E+07	12707391
190.25	216397.1	-74.4827	37.17984	4511920	-1.6E+07	12707261
190.4	216769	-74.4796	37.17774	4513008	-1.6E+07	12706871
190.6	217265.8	-74.4755	37.17493	4514462	-1.6E+07	12706348
190.8	217763.4	-74.4713	37.17211	4515922	-1.6E+07	12705822
191	218261.8	-74.4671	37.16929	4517385	-1.6E+07	12705295
191.2	218761.1	-74.4629	37.16645	4518853	-1.6E+07	12704765
191.4	219261.2	-74.4587	37.16361	4520325	-1.6E+07	12704234
191.6	219762.3	-74.4544	37.16075	4521802	-1.6E+07	12703700
191.8	220264.2	-74.4502	37.15789	4523284	-1.6E+07	12703163
192	220766.9	-74.4459	37.15502	4524769	-1.6E+07	12702625
192.2	221270.6	-74.4417	37.15214	4526260	-1.6E+07	12702084
192.4	221775.1	-74.4374	37.14925	4527755	-1.6E+07	12701541
192.6	222280.5	-74.4331	37.14635	4529254	-1.6E+07	12700996
192.8	222786.8	-74.4288	37.14344	4530758	-1.6E+07	12700448
193	223294	-74.4245	37.14052	4532267	-1.6E+07	12699898
193.2	223802.1	-74.4201	37.13759	4533780	-1.6E+07	12699346
193.4	224311	-74.4158	37.13466	4535298	-1.6E+07	12698792

193.6	224820.9	-74.4114	37.13171	4536820	-1.6E+07	12698235
193.8	225331.7	-74.4071	37.12876	4538347	-1.6E+07	12697677
194	225843.5	-74.4027	37.12579	4539879	-1.6E+07	12697115
194.2	226356.1	-74.3983	37.12282	4541415	-1.6E+07	12696552
194.4	226869.6	-74.3939	37.11983	4542956	-1.6E+07	12695986
194.6	227384.1	-74.3894	37.11684	4544501	-1.6E+07	12695418
194.8	227899.6	-74.385	37.11384	4546051	-1.6E+07	12694848
195	228415.9	-74.3805	37.11082	4547606	-1.6E+07	12694275
195.2	228933.2	-74.3761	37.1078	4549166	-1.6E+07	12693700
195.4	229451.5	-74.3716	37.10477	4550730	-1.6E+07	12693123
195.6	229970.7	-74.3671	37.10173	4552299	-1.6E+07	12692543
195.8	230490.9	-74.3626	37.09868	4553873	-1.6E+07	12691961
196	231012	-74.3581	37.09562	4555452	-1.6E+07	12691377
196.2	231534.1	-74.3535	37.09255	4557035	-1.6E+07	12690790
196.4	232057.1	-74.349	37.08947	4558624	-1.6E+07	12690201
196.6	232581.2	-74.3444	37.08638	4560217	-1.6E+07	12689609
196.8	233106.2	-74.3399	37.08328	4561814	-1.6E+07	12689015
197	233632.2	-74.3353	37.08017	4563417	-1.6E+07	12688419
197.2	234159.2	-74.3307	37.07705	4565025	-1.6E+07	12687820
197.4	234687.2	-74.3261	37.07392	4566637	-1.6E+07	12687219
197.6	235216.2	-74.3214	37.07078	4568254	-1.6E+07	12686616
197.8	235746.2	-74.3168	37.06763	4569877	-1.6E+07	12686010
198	236277.2	-74.3121	37.06447	4571504	-1.6E+07	12685402
198.2	236809.2	-74.3075	37.0613	4573136	-1.6E+07	12684791
198.4	237342.2	-74.3028	37.05812	4574773	-1.6E+07	12684178
198.6	237876.3	-74.2981	37.05493	4576415	-1.6E+07	12683562
198.8	238411.4	-74.2934	37.05173	4578061	-1.6E+07	12682944
199	238947.6	-74.2886	37.04852	4579713	-1.6E+07	12682324
199.2	239484.8	-74.2839	37.0453	4581370	-1.6E+07	12681701
199.4	240023	-74.2791	37.04207	4583032	-1.6E+07	12681076
199.6	240562.3	-74.2744	37.03883	4584699	-1.6E+07	12680448
199.8	241102.7	-74.2696	37.03558	4586371	-1.6E+07	12679818
200	241644.1	-74.2648	37.03232	4588048	-1.6E+07	12679185
200.2	242186.6	-74.26	37.02905	4589730	-1.6E+07	12678550
200.4	242730.2	-74.2552	37.02576	4591417	-1.6E+07	12677912
200.6	243274.8	-74.2503	37.02247	4593110	-1.6E+07	12677272
200.8	243820.5	-74.2455	37.01917	4594807	-1.6E+07	12676629
201	244367.4	-74.2406	37.01586	4596510	-1.6E+07	12675983
201.2	244915.3	-74.2357	37.01253	4598217	-1.6E+07	12675336
201.4	245464.4	-74.2308	37.0092	4599930	-1.6E+07	12674685
201.6	246014.5	-74.2259	37.00585	4601649	-1.6E+07	12674032
201.8	246565.8	-74.221	37.0025	4603372	-1.6E+07	12673377
202	247118.2	-74.216	36.99913	4605100	-1.6E+07	12672719
202.2	247671.7	-74.2111	36.99575	4606834	-1.6E+07	12672059
202.4	248226.4	-74.2061	36.99237	4608573	-1.6E+07	12671396
202.6	248782.2	-74.2011	36.98897	4610318	-1.6E+07	12670730
202.8	249339.2	-74.1961	36.98556	4612067	-1.6E+07	12670062

203	249897.3	-74.1911	36.98214	4613822	-1.6E+07	12669391
203.2	250456.5	-74.186	36.97871	4615583	-1.6E+07	12668717
203.4	251017	-74.181	36.97527	4617348	-1.6E+07	12668041
203.6	251578.6	-74.1759	36.97181	4619119	-1.6E+07	12667363
203.8	252141.4	-74.1709	36.96835	4620895	-1.6E+07	12666682
204	252705.4	-74.1658	36.96488	4622677	-1.6E+07	12665998
204.2	253270.6	-74.1607	36.96139	4624464	-1.6E+07	12665311
204.4	253837	-74.1555	36.95789	4626257	-1.6E+07	12664622
204.6	254404.5	-74.1504	36.95439	4628055	-1.6E+07	12663930
204.8	254973.3	-74.1452	36.95087	4629859	-1.6E+07	12663236
205	255543.4	-74.1401	36.94734	4631668	-1.6E+07	12662539
205.2	256114.6	-74.1349	36.9438	4633482	-1.6E+07	12661839
205.4	256687.1	-74.1297	36.94024	4635302	-1.6E+07	12661137
205.6	257260.9	-74.1245	36.93668	4637128	-1.6E+07	12660432
205.8	257835.8	-74.1192	36.9331	4638959	-1.6E+07	12659724
206	258412.1	-74.114	36.92952	4640795	-1.6E+07	12659013
206.2	258989.6	-74.1087	36.92592	4642638	-1.6E+07	12658300
206.4	259568.3	-74.1034	36.92231	4644486	-1.6E+07	12657584
206.6	260148.4	-74.0982	36.91869	4646339	-1.6E+07	12656866
206.8	260729.7	-74.0928	36.91506	4648198	-1.6E+07	12656144
207	261312.3	-74.0875	36.91141	4650063	-1.6E+07	12655420
207.2	261896.2	-74.0822	36.90776	4651933	-1.6E+07	12654693
207.4	262481.3	-74.0768	36.90409	4653809	-1.6E+07	12653964
207.6	263067.7	-74.0714	36.90041	4655691	-1.6E+07	12653232
207.8	263655.4	-74.0661	36.89672	4657578	-1.6E+07	12652497
208	264244.3	-74.0607	36.89302	4659471	-1.6E+07	12651759
208.2	264834.5	-74.0552	36.88931	4661370	-1.6E+07	12651019
208.4	265426	-74.0498	36.88559	4663274	-1.6E+07	12650276
208.6	266018.7	-74.0444	36.88185	4665183	-1.6E+07	12649530
208.8	266612.7	-74.0389	36.87811	4667098	-1.6E+07	12648781
209	267207.9	-74.0334	36.87435	4669019	-1.6E+07	12648030
209.2	267804.4	-74.0279	36.87058	4670946	-1.6E+07	12647276
209.4	268402.2	-74.0224	36.8668	4672878	-1.6E+07	12646519
209.6	269001.2	-74.0169	36.86301	4674815	-1.6E+07	12645759
209.8	269601.4	-74.0113	36.8592	4676759	-1.6E+07	12644997
210	270203	-74.0058	36.85539	4678707	-1.6E+07	12644232
210.2	270805.7	-74.0002	36.85156	4680662	-1.6E+07	12643465
210.4	271409.8	-73.9946	36.84772	4682622	-1.6E+07	12642694
210.6	272015.1	-73.989	36.84387	4684587	-1.6E+07	12641921
210.8	272621.6	-73.9834	36.84001	4686558	-1.6E+07	12641145
211	273229.3	-73.9777	36.83614	4688535	-1.6E+07	12640366
211.2	273838.3	-73.9721	36.83226	4690517	-1.6E+07	12639585
211.4	274448.5	-73.9664	36.82836	4692505	-1.6E+07	12638801
211.6	275059.9	-73.9607	36.82446	4694498	-1.6E+07	12638014
211.8	275672.6	-73.955	36.82054	4696497	-1.6E+07	12637224
212	276286.4	-73.9493	36.81661	4698502	-1.6E+07	12636431
212.2	276901.3	-73.9436	36.81267	4700512	-1.6E+07	12635636

212.4	277517.5	-73.9379	36.80872	4702527	-1.6E+07	12634838
212.6	278134.7	-73.9321	36.80475	4704548	-1.6E+07	12634037
212.8	278753.1	-73.9263	36.80078	4706575	-1.6E+07	12633233
213	279372.6	-73.9205	36.79679	4708607	-1.6E+07	12632426
213.2	279993.2	-73.9147	36.79279	4710645	-1.6E+07	12631617
213.4	280614.8	-73.9089	36.78878	4712688	-1.6E+07	12630805
213.6	281237.5	-73.9031	36.78476	4714736	-1.6E+07	12629989
213.8	281861.2	-73.8972	36.78073	4716790	-1.6E+07	12629171
214	282485.9	-73.8913	36.77669	4718850	-1.6E+07	12628350
214.2	283111.6	-73.8855	36.77263	4720915	-1.6E+07	12627526
214.4	283738.2	-73.8796	36.76857	4722986	-1.6E+07	12626699
214.6	284365.8	-73.8737	36.76449	4725062	-1.6E+07	12625870
214.8	284994.3	-73.8677	36.7604	4727144	-1.6E+07	12625037
215	285623.7	-73.8618	36.7563	4729231	-1.6E+07	12624201
215.2	286253.9	-73.8558	36.75219	4731323	-1.6E+07	12623362
215.4	286885	-73.8498	36.74807	4733421	-1.6E+07	12622520
215.6	287516.9	-73.8439	36.74393	4735525	-1.6E+07	12621676
215.8	288149.6	-73.8379	36.73978	4737634	-1.6E+07	12620828
216	288783.1	-73.8318	36.73563	4739748	-1.6E+07	12619977
216.2	289417.4	-73.8258	36.73146	4741868	-1.6E+07	12619123
216.4	290052.4	-73.8198	36.72728	4743993	-1.6E+07	12618266
216.6	290688.2	-73.8137	36.72309	4746124	-1.6E+07	12617406
216.8	291324.7	-73.8076	36.71888	4748260	-1.6E+07	12616543
217	291962	-73.8015	36.71467	4750401	-1.6E+07	12615676
217.2	292600	-73.7954	36.71044	4752548	-1.6E+07	12614807
217.4	293238.6	-73.7893	36.7062	4754701	-1.6E+07	12613935
217.6	293878	-73.7831	36.70196	4756858	-1.6E+07	12613059
217.8	294518.1	-73.777	36.6977	4759021	-1.6E+07	12612181
218	295158.9	-73.7708	36.69342	4761190	-1.6E+07	12611299
218.2	295800.3	-73.7646	36.68914	4763364	-1.6E+07	12610414
218.4	296442.4	-73.7584	36.68485	4765543	-1.6E+07	12609526
218.6	297085.2	-73.7522	36.68054	4767727	-1.6E+07	12608635
218.8	297728.7	-73.746	36.67623	4769917	-1.6E+07	12607741
219	298372.8	-73.7397	36.6719	4772112	-1.6E+07	12606844
219.2	299017.6	-73.7335	36.66756	4774313	-1.6E+07	12605944
219.4	299663.1	-73.7272	36.66321	4776519	-1.6E+07	12605041
219.6	300309.2	-73.7209	36.65885	4778730	-1.6E+07	12604134
219.8	300955.9	-73.7146	36.65447	4780946	-1.6E+07	12603225
220	301603.3	-73.7083	36.65009	4783168	-1.6E+07	12602312
220.2	302251.4	-73.702	36.64569	4785395	-1.6E+07	12601397
220.4	302900	-73.6956	36.64129	4787627	-1.6E+07	12600478
220.6	303549.4	-73.6892	36.63687	4789865	-1.6E+07	12599556
220.8	304199.3	-73.6829	36.63244	4792107	-1.6E+07	12598631
221	304849.9	-73.6765	36.628	4794355	-1.6E+07	12597703
221.2	305501.2	-73.6701	36.62355	4796609	-1.6E+07	12596772
221.4	306153	-73.6636	36.61909	4798867	-1.6E+07	12595838
221.6	306805.5	-73.6572	36.61462	4801131	-1.6E+07	12594901

221.8	307458.6	-73.6508	36.61013	4803400	-1.6E+07	12593960
222	308112.3	-73.6443	36.60564	4805674	-1.6E+07	12593017
222.2	308766.6	-73.6378	36.60113	4807953	-1.6E+07	12592071
222.4	309421.6	-73.6313	36.59661	4810238	-1.6E+07	12591121
222.6	310077.2	-73.6248	36.59208	4812527	-1.6E+07	12590169
222.8	310733.3	-73.6183	36.58754	4814822	-1.6E+07	12589213
223	311390.1	-73.6118	36.58299	4817122	-1.6E+07	12588254
223.2	312047.4	-73.6052	36.57843	4819427	-1.6E+07	12587293
223.4	312705.4	-73.5986	36.57386	4821737	-1.6E+07	12586328
223.6	313363.9	-73.5921	36.56928	4824052	-1.6E+07	12585360
223.8	314023.1	-73.5855	36.56468	4826373	-1.6E+07	12584389
224	314682.8	-73.5789	36.56008	4828698	-1.6E+07	12583415
224.2	315343.1	-73.5722	36.55546	4831029	-1.6E+07	12582438
224.4	316004	-73.5656	36.55084	4833364	-1.6E+07	12581458
224.6	316665.5	-73.559	36.5462	4835705	-1.6E+07	12580475
224.8	317327.5	-73.5523	36.54155	4838051	-1.6E+07	12579489
225	317990.1	-73.5456	36.53689	4840401	-1.6E+07	12578500
225.2	318653.2	-73.5389	36.53222	4842757	-1.6E+07	12577508
225.4	319316.9	-73.5322	36.52754	4845118	-1.6E+07	12576513
225.6	319981.2	-73.5255	36.52285	4847483	-1.6E+07	12575515
225.8	320646	-73.5188	36.51815	4849854	-1.6E+07	12574514
226	321311.4	-73.512	36.51343	4852229	-1.6E+07	12573509
226.2	321977.2	-73.5053	36.50871	4854610	-1.6E+07	12572502
226.4	322643.7	-73.4985	36.50398	4856995	-1.6E+07	12571492
226.6	323310.6	-73.4917	36.49923	4859386	-1.6E+07	12570479
226.8	323978.1	-73.4849	36.49448	4861781	-1.6E+07	12569462
227	324646.2	-73.4781	36.48971	4864181	-1.6E+07	12568443
227.2	325314.7	-73.4713	36.48494	4866586	-1.6E+07	12567421
227.4	325983.8	-73.4644	36.48015	4868996	-1.6E+07	12566396
227.6	326653.4	-73.4576	36.47535	4871411	-1.6E+07	12565368
227.8	327323.4	-73.4507	36.47055	4873830	-1.6E+07	12564336
228	327994	-73.4439	36.46573	4876255	-1.6E+07	12563302
228.2	328665.1	-73.437	36.4609	4878684	-1.6E+07	12562265
228.4	329336.7	-73.4301	36.45606	4881118	-1.6E+07	12561225
228.6	330008.8	-73.4231	36.45121	4883557	-1.6E+07	12560182
228.8	330681.3	-73.4162	36.44635	4886000	-1.6E+07	12559136
229	331354.4	-73.4093	36.44148	4888448	-1.6E+07	12558087
229.2	332027.9	-73.4023	36.4366	4890901	-1.6E+07	12557035
229.4	332701.9	-73.3953	36.43171	4893359	-1.6E+07	12555980
229.6	333376.3	-73.3884	36.42681	4895821	-1.6E+07	12554922
229.8	334051.3	-73.3814	36.4219	4898288	-1.6E+07	12553861
230	334726.7	-73.3744	36.41698	4900760	-1.6E+07	12552798
230.2	335402.5	-73.3673	36.41205	4903236	-1.6E+07	12551731
230.4	336078.8	-73.3603	36.40711	4905717	-1.6E+07	12550661
230.6	336755.6	-73.3533	36.40216	4908202	-1.6E+07	12549589
230.8	337432.8	-73.3462	36.3972	4910693	-1.6E+07	12548514
231	338110.4	-73.3391	36.39222	4913187	-1.6E+07	12547435

231.2	338788.5	-73.3321	36.38724	4915687	-1.6E+07	12546354
231.4	339467.1	-73.325	36.38225	4918191	-1.6E+07	12545270
231.6	340146.2	-73.3179	36.37725	4920700	-1.6E+07	12544182
231.8	340825.7	-73.3107	36.37224	4923214	-1.6E+07	12543092
232	341505.8	-73.3036	36.36721	4925732	-1.6E+07	12541999
232.2	342186.3	-73.2965	36.36218	4928255	-1.6E+07	12540903
232.4	342867.2	-73.2893	36.35714	4930783	-1.6E+07	12539804
232.6	343548.7	-73.2821	36.35208	4933315	-1.6E+07	12538701
232.8	344230.7	-73.2749	36.34702	4935852	-1.6E+07	12537596
233	344913.2	-73.2677	36.34195	4938395	-1.6E+07	12536488
233.2	345596.1	-73.2605	36.33686	4940941	-1.6E+07	12535377
233.4	346279.6	-73.2533	36.33176	4943493	-1.6E+07	12534262
233.6	346963.6	-73.2461	36.32666	4946050	-1.6E+07	12533145
233.8	347648.1	-73.2388	36.32154	4948611	-1.6E+07	12532025
233.94	348127.6	-73.2337	36.31795	4950407	-1.6E+07	12531239
234	348333.2	-73.2316	36.31641	4951177	-1.6E+07	12530901
234.2	349018.1	-73.2243	36.31128	4953746	-1.6E+07	12529776
234.4	349702.4	-73.217	36.30615	4956315	-1.6E+07	12528649
234.6	350386.1	-73.2097	36.30101	4958884	-1.6E+07	12527522
234.8	351069.1	-73.2025	36.29587	4961454	-1.6E+07	12526393
235	351751.6	-73.1952	36.29073	4964024	-1.6E+07	12525264
235.2	352433.3	-73.1879	36.28559	4966595	-1.6E+07	12524133
235.4	353114.4	-73.1807	36.28045	4969165	-1.6E+07	12523002
235.6	353794.8	-73.1734	36.2753	4971736	-1.6E+07	12521869
235.8	354474.5	-73.1661	36.27016	4974307	-1.6E+07	12520736
235.94	354949.9	-73.161	36.26656	4976106	-1.6E+07	12519942
236	355153.5	-73.1589	36.26501	4976878	-1.6E+07	12519601
236.2	355831.8	-73.1516	36.25987	4979448	-1.6E+07	12518466
236.4	356509.4	-73.1443	36.25472	4982019	-1.6E+07	12517330
236.6	357186.1	-73.1371	36.24957	4984589	-1.6E+07	12516193
236.8	357862.2	-73.1298	36.24443	4987160	-1.6E+07	12515056
237	358537.4	-73.1225	36.23928	4989730	-1.6E+07	12513918
237.2	359211.9	-73.1153	36.23413	4992300	-1.6E+07	12512778
237.4	359885.5	-73.108	36.22898	4994869	-1.6E+07	12511639
237.6	360558.4	-73.1007	36.22383	4997438	-1.6E+07	12510498
237.8	361230.5	-73.0935	36.21868	5000007	-1.6E+07	12509357
237.94	361700.4	-73.0884	36.21508	5001805	-1.6E+07	12508557
238	361901.7	-73.0862	36.21353	5002576	-1.6E+07	12508215
238.2	362572.2	-73.079	36.20838	5005144	-1.6E+07	12507072
238.4	363241.9	-73.0717	36.20323	5007712	-1.6E+07	12505928
238.6	363910.8	-73.0645	36.19808	5010280	-1.6E+07	12504784
238.8	364578.9	-73.0572	36.19293	5012847	-1.6E+07	12503639
238.94	365054.4	-73.0521	36.18926	5014676	-1.6E+07	12502822
239	365254.5	-73.0499	36.18772	5015446	-1.6E+07	12502478
239.2	365920.9	-73.0426	36.18257	5018013	-1.6E+07	12501332
239.4	366586.7	-73.0354	36.17742	5020579	-1.6E+07	12500185
239.6	367251.6	-73.0282	36.17226	5023145	-1.6E+07	12499037

239.8	367915.7	-73.0209	36.16711	5025711	-1.6E+07	12497888
240	368579	-73.0137	36.16196	5028277	-1.6E+07	12496739
240.2	369241.6	-73.0064	36.15681	5030842	-1.6E+07	12495588
240.4	369903.3	-72.9992	36.15166	5033407	-1.6E+07	12494438
240.4416	370041.1	-72.9977	36.15058	5033941	-1.6E+07	12494198
240.6	370564.2	-72.992	36.1465	5035971	-1.6E+07	12493286
240.8	371224.4	-72.9847	36.14135	5038535	-1.6E+07	12492133
241	371883.7	-72.9775	36.1362	5041099	-1.6E+07	12490980
241.2	372542.3	-72.9703	36.13105	5043663	-1.6E+07	12489826
241.4	373200.1	-72.963	36.12589	5046226	-1.6E+07	12488672
241.6	373857	-72.9558	36.12074	5048789	-1.6E+07	12487517
241.8	374513.2	-72.9486	36.11558	5051352	-1.6E+07	12486361
242	375168.6	-72.9414	36.11043	5053914	-1.6E+07	12485204
242.2	375823.1	-72.9341	36.10528	5056476	-1.6E+07	12484046
242.4	376476.9	-72.9269	36.10012	5059038	-1.6E+07	12482888
242.6	377129.9	-72.9197	36.09497	5061599	-1.6E+07	12481729
242.8	377782.1	-72.9125	36.08981	5064160	-1.6E+07	12480569
243	378433.5	-72.9052	36.08466	5066721	-1.6E+07	12479409
243.2	379084	-72.898	36.0795	5069281	-1.6E+07	12478248
243.4	379733.8	-72.8908	36.07435	5071841	-1.6E+07	12477086
243.6	380382.8	-72.8836	36.06919	5074401	-1.6E+07	12475923
243.8	381031	-72.8764	36.06403	5076960	-1.6E+07	12474760
244	381678.4	-72.8692	36.05888	5079519	-1.6E+07	12473596
244.2	382325.1	-72.862	36.05372	5082078	-1.6E+07	12472431
244.4	382970.9	-72.8548	36.04856	5084636	-1.6E+07	12471265
244.6	383615.9	-72.8476	36.04341	5087194	-1.6E+07	12470099
244.8	384260.1	-72.8404	36.03825	5089752	-1.6E+07	12468932
245	384903.5	-72.8332	36.03309	5092310	-1.6E+07	12467764
245.2	385546.2	-72.826	36.02793	5094867	-1.6E+07	12466596
245.4	386188	-72.8188	36.02278	5097424	-1.6E+07	12465427
245.6	386829	-72.8116	36.01762	5099980	-1.6E+07	12464257
245.8	387469.3	-72.8044	36.01246	5102536	-1.6E+07	12463086
246	388108.7	-72.7972	36.0073	5105092	-1.6E+07	12461915
246.2	388747.4	-72.79	36.00214	5107647	-1.6E+07	12460743
246.4	389385.2	-72.7828	35.99698	5110203	-1.6E+07	12459570
246.6	390022.3	-72.7756	35.99182	5112758	-1.6E+07	12458396
246.8	390658.5	-72.7684	35.98666	5115312	-1.6E+07	12457222
247	391294	-72.7612	35.98151	5117866	-1.6E+07	12456047
247.2	391928.7	-72.754	35.97635	5120420	-1.6E+07	12454871
247.4	392562.6	-72.7469	35.97118	5122974	-1.6E+07	12453695
247.6	393195.6	-72.7397	35.96602	5125527	-1.6E+07	12452517
247.8	393827.9	-72.7325	35.96086	5128080	-1.6E+07	12451339
248	394459.4	-72.7253	35.9557	5130632	-1.6E+07	12450161
248.2	395090.1	-72.7181	35.95054	5133185	-1.6E+07	12448981
248.4	395720	-72.711	35.94538	5135737	-1.7E+07	12447801
248.6	396349.1	-72.7038	35.94022	5138288	-1.7E+07	12446620
248.8	396977.4	-72.6966	35.93506	5140840	-1.7E+07	12445439

249	397604.9	-72.6894	35.9299	5143391	-1.7E+07	12444257
249.2	398231.7	-72.6823	35.92473	5145941	-1.7E+07	12443074
249.4	398857.6	-72.6751	35.91957	5148492	-1.7E+07	12441890
249.6	399482.7	-72.6679	35.91441	5151042	-1.7E+07	12440705
249.8	400107	-72.6608	35.90925	5153591	-1.7E+07	12439520
250	400730.6	-72.6536	35.90408	5156141	-1.7E+07	12438334
250.2	401353.3	-72.6464	35.89892	5158690	-1.7E+07	12437148
250.4	401975.3	-72.6393	35.89375	5161238	-1.7E+07	12435960
250.6	402596.4	-72.6321	35.88859	5163787	-1.7E+07	12434772
250.8	403216.8	-72.625	35.88343	5166335	-1.7E+07	12433583
251	403836.3	-72.6178	35.87826	5168882	-1.7E+07	12432394
251.2	404455.1	-72.6107	35.8731	5171430	-1.7E+07	12431203
251.4	405073.1	-72.6035	35.86793	5173977	-1.7E+07	12430012
251.6	405690.3	-72.5964	35.86277	5176524	-1.7E+07	12428821
251.8	406306.6	-72.5892	35.8576	5179070	-1.7E+07	12427628
252	406922.2	-72.5821	35.85244	5181616	-1.7E+07	12426435
252.2	407537	-72.5749	35.84727	5184162	-1.7E+07	12425241
252.4	408151	-72.5678	35.84211	5186707	-1.7E+07	12424046
252.6	408764.2	-72.5606	35.83694	5189252	-1.7E+07	12422851
252.8	409376.6	-72.5535	35.83177	5191797	-1.7E+07	12421655
253	409988.2	-72.5463	35.82661	5194342	-1.7E+07	12420458
253.2	410599.1	-72.5392	35.82144	5196886	-1.7E+07	12419261
253.4	411209.1	-72.5321	35.81627	5199430	-1.7E+07	12418062
253.6	411818.3	-72.5249	35.81111	5201973	-1.7E+07	12416863
253.8	412426.8	-72.5178	35.80594	5204516	-1.7E+07	12415664
254	413034.4	-72.5106	35.80077	5207059	-1.7E+07	12414463
254.2	413641.2	-72.5035	35.7956	5209601	-1.7E+07	12413262
254.4	414247.3	-72.4964	35.79043	5212144	-1.7E+07	12412060
254.6	414852.6	-72.4893	35.78527	5214685	-1.7E+07	12410858
254.8	415457	-72.4821	35.7801	5217227	-1.7E+07	12409654
255	416060.7	-72.475	35.77493	5219768	-1.7E+07	12408450
255.2	416663.6	-72.4679	35.76976	5222309	-1.7E+07	12407246
255.4	417265.6	-72.4608	35.76459	5224849	-1.7E+07	12406040
255.6	417866.9	-72.4536	35.75942	5227390	-1.7E+07	12404834
255.8	418467.4	-72.4465	35.75425	5229930	-1.7E+07	12403627
256	419067.1	-72.4394	35.74908	5232469	-1.7E+07	12402419
256.2	419666	-72.4323	35.74391	5235008	-1.7E+07	12401211
256.4	420264.1	-72.4252	35.73874	5237547	-1.7E+07	12400002
256.6	420861.4	-72.418	35.73357	5240086	-1.7E+07	12398792
256.8	421457.9	-72.4109	35.7284	5242624	-1.7E+07	12397581
257	422053.7	-72.4038	35.72323	5245162	-1.7E+07	12396370
257.2	422648.6	-72.3967	35.71806	5247699	-1.7E+07	12395158
257.4	423242.7	-72.3896	35.71288	5250237	-1.7E+07	12393945
257.6	423836.1	-72.3825	35.70771	5252774	-1.7E+07	12392732
257.8	424428.6	-72.3754	35.70254	5255310	-1.7E+07	12391518
258	425020.4	-72.3683	35.69737	5257846	-1.7E+07	12390303
258.2	425611.3	-72.3612	35.69219	5260382	-1.7E+07	12389087

258.4	426201.5	-72.3541	35.68702	5262918	-1.7E+07	12387871
258.6	426790.9	-72.347	35.68185	5265453	-1.7E+07	12386654
258.8	427379.4	-72.3399	35.67667	5267988	-1.7E+07	12385436
259	427967.2	-72.3328	35.6715	5270523	-1.7E+07	12384218
259.2	428554.2	-72.3257	35.66633	5273057	-1.7E+07	12382999
259.4	429140.4	-72.3186	35.66115	5275591	-1.7E+07	12381779
259.6	429725.8	-72.3115	35.65598	5278125	-1.7E+07	12380558
259.8	430310.4	-72.3044	35.6508	5280658	-1.7E+07	12379337
260	430894.2	-72.2973	35.64563	5283191	-1.7E+07	12378115
260.2	431477.2	-72.2902	35.64045	5285723	-1.7E+07	12376892
260.4	432059.5	-72.2831	35.63528	5288256	-1.7E+07	12375668
260.6	432640.9	-72.2761	35.6301	5290788	-1.7E+07	12374444
260.8	433221.5	-72.269	35.62493	5293319	-1.7E+07	12373219
261	433801.4	-72.2619	35.61975	5295851	-1.7E+07	12371994
261.2	434380.4	-72.2548	35.61458	5298382	-1.7E+07	12370767
261.4	434958.7	-72.2477	35.6094	5300912	-1.7E+07	12369540
261.6	435536.2	-72.2407	35.60422	5303443	-1.7E+07	12368312
261.8	436112.8	-72.2336	35.59905	5305972	-1.7E+07	12367084
262	436688.7	-72.2265	35.59387	5308502	-1.7E+07	12365854
262.2	437263.8	-72.2194	35.58869	5311031	-1.7E+07	12364624
262.4	437838.1	-72.2124	35.58351	5313560	-1.7E+07	12363394
262.6	438411.6	-72.2053	35.57834	5316089	-1.7E+07	12362162
262.8	438984.3	-72.1982	35.57316	5318617	-1.7E+07	12360930
263	439556.2	-72.1911	35.56798	5321145	-1.7E+07	12359697
263.2	440127.3	-72.1841	35.5628	5323673	-1.7E+07	12358464
263.4	440697.7	-72.177	35.55762	5326200	-1.7E+07	12357229
263.6	441267.2	-72.1699	35.55244	5328727	-1.7E+07	12355994
263.8	441836	-72.1629	35.54726	5331254	-1.7E+07	12354759
264	442403.9	-72.1558	35.54208	5333780	-1.7E+07	12353522
264.2	442971.1	-72.1488	35.5369	5336306	-1.7E+07	12352285
264.4	443537.4	-72.1417	35.53172	5338832	-1.7E+07	12351047
264.6	444103	-72.1347	35.52654	5341357	-1.7E+07	12349809
264.8	444667.8	-72.1276	35.52136	5343882	-1.7E+07	12348569
265	445231.8	-72.1205	35.51618	5346407	-1.7E+07	12347329
265.2	445795	-72.1135	35.511	5348931	-1.7E+07	12346089
265.4	446357.4	-72.1064	35.50582	5351455	-1.7E+07	12344847
265.6	446919	-72.0994	35.50064	5353979	-1.7E+07	12343605
265.8	447479.8	-72.0923	35.49546	5356502	-1.7E+07	12342362
266	448039.8	-72.0853	35.49028	5359025	-1.7E+07	12341119
266.2	448599	-72.0782	35.48509	5361548	-1.7E+07	12339874
266.4	449157.5	-72.0712	35.47991	5364070	-1.7E+07	12338629
266.6	449715.1	-72.0642	35.47473	5366592	-1.7E+07	12337383
266.8	450272	-72.0571	35.46955	5369114	-1.7E+07	12336137
267	450828	-72.0501	35.46436	5371635	-1.7E+07	12334890
267.2	451383.3	-72.043	35.45918	5374156	-1.7E+07	12333642
267.4	451937.8	-72.036	35.454	5376677	-1.7E+07	12332393
267.6	452491.5	-72.029	35.44881	5379197	-1.7E+07	12331144

267.8	453044.4	-72.0219	35.44363	5381718	-1.7E+07	12329894
268	453596.5	-72.0149	35.43844	5384237	-1.7E+07	12328643
268.2	454147.8	-72.0079	35.43326	5386757	-1.7E+07	12327392
268.4	454698.3	-72.0008	35.42807	5389276	-1.7E+07	12326140
268.6	455248	-71.9938	35.42289	5391794	-1.7E+07	12324887
268.8	455796.9	-71.9868	35.4177	5394313	-1.7E+07	12323633
268.94	456180.7	-71.9819	35.41407	5396075	-1.7E+07	12322755
268.99	456317.7	-71.9801	35.41278	5396705	-1.7E+07	12322442
269	456345.1	-71.9798	35.41252	5396831	-1.7E+07	12322379
269.19	456865.1	-71.9731	35.40759	5399222	-1.7E+07	12321187
269.2	456892.4	-71.9727	35.40733	5399348	-1.7E+07	12321124
269.4	457439	-71.9657	35.40215	5401866	-1.7E+07	12319868
269.6	457984.7	-71.9587	35.39696	5404383	-1.7E+07	12318612
269.8	458529.7	-71.9517	35.39177	5406899	-1.7E+07	12317354
270	459073.9	-71.9447	35.38659	5409416	-1.7E+07	12316097
270.2	459617.3	-71.9376	35.3814	5411931	-1.7E+07	12314838
270.4	460159.9	-71.9306	35.37621	5414447	-1.7E+07	12313579
270.6	460701.7	-71.9236	35.37102	5416962	-1.7E+07	12312319
270.8	461242.7	-71.9166	35.36584	5419477	-1.7E+07	12311058
271	461782.9	-71.9096	35.36065	5421992	-1.7E+07	12309796
271.2	462322.3	-71.9026	35.35546	5424506	-1.7E+07	12308534
271.4	462860.9	-71.8956	35.35027	5427020	-1.7E+07	12307271
271.6	463398.8	-71.8886	35.34508	5429534	-1.7E+07	12306008
271.8	463935.8	-71.8816	35.33989	5432047	-1.7E+07	12304743
272	464472.1	-71.8746	35.3347	5434560	-1.7E+07	12303478
272.2	465007.6	-71.8676	35.32952	5437073	-1.7E+07	12302213
272.4	465542.2	-71.8605	35.32433	5439585	-1.7E+07	12300946
272.6	466076.1	-71.8535	35.31914	5442097	-1.7E+07	12299679
272.8	466609.2	-71.8466	35.31395	5444609	-1.7E+07	12298411
273	467141.5	-71.8396	35.30875	5447120	-1.7E+07	12297143
273.2	467673	-71.8326	35.30356	5449631	-1.7E+07	12295874
273.4	468203.8	-71.8256	35.29837	5452142	-1.7E+07	12294604
273.6	468733.7	-71.8186	35.29318	5454652	-1.7E+07	12293333
273.8	469262.8	-71.8116	35.28799	5457162	-1.7E+07	12292061
274	469791.2	-71.8046	35.2828	5459672	-1.7E+07	12290789
274.2	470318.7	-71.7976	35.27761	5462181	-1.7E+07	12289516
274.4	470845.5	-71.7906	35.27241	5464690	-1.7E+07	12288243
274.6	471371.4	-71.7836	35.26722	5467198	-1.7E+07	12286969
274.8	471896.6	-71.7766	35.26203	5469707	-1.7E+07	12285694
275	472421	-71.7697	35.25684	5472215	-1.7E+07	12284418
275.2	472944.6	-71.7627	35.25164	5474722	-1.7E+07	12283142
275.4	473467.4	-71.7557	35.24645	5477229	-1.7E+07	12281865
275.6	473989.4	-71.7487	35.24126	5479736	-1.7E+07	12280587
275.8	474510.7	-71.7417	35.23606	5482243	-1.7E+07	12279308
276	475031.1	-71.7348	35.23087	5484749	-1.7E+07	12278029
276.2	475550.7	-71.7278	35.22567	5487255	-1.7E+07	12276749
276.4	476069.6	-71.7208	35.22048	5489761	-1.7E+07	12275469

276.6	476587.6	-71.7138	35.21528	5492266	-1.7E+07	12274187
276.8	477104.9	-71.7069	35.21009	5494771	-1.7E+07	12272905
277	477621.4	-71.6999	35.20489	5497275	-1.7E+07	12271622
277.2	478137.1	-71.6929	35.1997	5499779	-1.7E+07	12270339
277.4	478652	-71.686	35.1945	5502283	-1.7E+07	12269055
277.6	479166.1	-71.679	35.1893	5504787	-1.7E+07	12267770
277.8	479679.4	-71.672	35.18411	5507290	-1.7E+07	12266484
278	480191.9	-71.6651	35.17891	5509793	-1.7E+07	12265198
278.2	480703.6	-71.6581	35.17371	5512295	-1.7E+07	12263911
278.4	481214.6	-71.6511	35.16852	5514798	-1.7E+07	12262623
278.6	481724.7	-71.6442	35.16332	5517299	-1.7E+07	12261335
278.8	482234.1	-71.6372	35.15812	5519801	-1.7E+07	12260046
279	482742.6	-71.6303	35.15292	5522302	-1.7E+07	12258756
279.2	483250.4	-71.6233	35.14773	5524803	-1.7E+07	12257465
279.4	483757.4	-71.6164	35.14253	5527303	-1.7E+07	12256174
279.6	484263.6	-71.6094	35.13733	5529804	-1.7E+07	12254882
279.8	484769	-71.6025	35.13213	5532303	-1.7E+07	12253589
280	485273.6	-71.5955	35.12693	5534803	-1.7E+07	12252296
280.2	485777.5	-71.5886	35.12173	5537302	-1.7E+07	12251002
280.4	486280.5	-71.5816	35.11653	5539801	-1.7E+07	12249707
280.6	486782.7	-71.5747	35.11133	5542299	-1.7E+07	12248412
280.8	487284.2	-71.5677	35.10613	5544797	-1.7E+07	12247115
281	487784.9	-71.5608	35.10093	5547295	-1.7E+07	12245819
281.2	488284.7	-71.5538	35.09573	5549792	-1.7E+07	12244521
281.4	488783.8	-71.5469	35.09053	5552290	-1.7E+07	12243223
281.6	489282.1	-71.54	35.08533	5554786	-1.7E+07	12241924
281.8	489779.6	-71.533	35.08013	5557283	-1.7E+07	12240624
282	490276.3	-71.5261	35.07492	5559779	-1.7E+07	12239323
282.2	490772.2	-71.5192	35.06972	5562274	-1.7E+07	12238022
282.4	491267.4	-71.5122	35.06452	5564770	-1.7E+07	12236720
282.6	491761.7	-71.5053	35.05932	5567265	-1.7E+07	12235418
282.8	492255.3	-71.4984	35.05411	5569760	-1.7E+07	12234115
283	492748	-71.4914	35.04891	5572254	-1.7E+07	12232811
283.2	493240	-71.4845	35.04371	5574748	-1.7E+07	12231506
283.4	493731.2	-71.4776	35.0385	5577242	-1.7E+07	12230201
283.6	494221.6	-71.4707	35.0333	5579735	-1.7E+07	12228895
283.8	494711.2	-71.4637	35.0281	5582228	-1.7E+07	12227588
284	495200	-71.4568	35.02289	5584721	-1.7E+07	12226280
284.2	495688	-71.4499	35.01769	5587213	-1.7E+07	12224972
284.4	496175.2	-71.443	35.01248	5589705	-1.7E+07	12223663
284.6	496661.7	-71.4361	35.00728	5592197	-1.7E+07	12222354
284.8	497147.3	-71.4291	35.00207	5594688	-1.7E+07	12221043
285	497632.2	-71.4222	34.99687	5597179	-1.7E+07	12219732
285.2	498116.2	-71.4153	34.99166	5599669	-1.7E+07	12218421
285.4	498599.5	-71.4084	34.98645	5602160	-1.7E+07	12217108
285.6	499082	-71.4015	34.98125	5604650	-1.7E+07	12215795
285.8	499563.7	-71.3946	34.97604	5607139	-1.7E+07	12214481

286	500044.6	-71.3877	34.97083	5609628	-1.7E+07	12213167
286.2	500524.7	-71.3808	34.96563	5612117	-1.7E+07	12211852
286.4	501004.1	-71.3738	34.96042	5614606	-1.7E+07	12210536
286.6	501482.6	-71.3669	34.95521	5617094	-1.7E+07	12209219
286.8	501960.4	-71.36	34.95	5619582	-1.7E+07	12207902
287	502437.3	-71.3531	34.9448	5622069	-1.7E+07	12206584
287.2	502913.5	-71.3462	34.93959	5624557	-1.7E+07	12205265
287.4	503388.9	-71.3393	34.93438	5627043	-1.7E+07	12203945
287.6	503863.5	-71.3324	34.92917	5629530	-1.7E+07	12202625
287.8	504337.3	-71.3255	34.92396	5632016	-1.7E+07	12201304
288	504810.3	-71.3186	34.91875	5634502	-1.7E+07	12199983
288.2	505282.5	-71.3117	34.91354	5636987	-1.7E+07	12198661
288.4	505754	-71.3049	34.90833	5639472	-1.7E+07	12197338
288.6	506224.6	-71.298	34.90312	5641957	-1.7E+07	12196014
288.8	506694.5	-71.2911	34.89791	5644442	-1.7E+07	12194690
289	507163.5	-71.2842	34.8927	5646926	-1.7E+07	12193365
289.2	507631.8	-71.2773	34.88749	5649409	-1.7E+07	12192039
289.4	508099.3	-71.2704	34.88228	5651893	-1.7E+07	12190712
289.6	508566	-71.2635	34.87707	5654376	-1.7E+07	12189385
289.8	509031.9	-71.2566	34.87185	5656859	-1.7E+07	12188057
290	509497	-71.2498	34.86664	5659341	-1.7E+07	12186729
290.2	509961.4	-71.2429	34.86143	5661823	-1.7E+07	12185400
290.4	510424.9	-71.236	34.85622	5664305	-1.7E+07	12184070
290.6	510887.7	-71.2291	34.851	5666786	-1.7E+07	12182739
290.8	511349.6	-71.2222	34.84579	5669267	-1.7E+07	12181408
291	511810.8	-71.2154	34.84058	5671748	-1.7E+07	12180076
291.2	512271.2	-71.2085	34.83536	5674228	-1.7E+07	12178743
291.4	512730.8	-71.2016	34.83015	5676708	-1.7E+07	12177409
291.6	513189.6	-71.1947	34.82494	5679187	-1.7E+07	12176075
291.8	513647.6	-71.1879	34.81972	5681667	-1.7E+07	12174740
292	514104.8	-71.181	34.81451	5684146	-1.7E+07	12173405
292.2	514561.3	-71.1741	34.80929	5686624	-1.7E+07	12172069
292.4	515016.9	-71.1673	34.80408	5689102	-1.7E+07	12170732
292.6	515471.8	-71.1604	34.79886	5691580	-1.7E+07	12169394
292.8	515925.9	-71.1535	34.79364	5694058	-1.7E+07	12168056
293	516379.2	-71.1467	34.78843	5696535	-1.7E+07	12166717
293.2	516831.7	-71.1398	34.78321	5699012	-1.7E+07	12165377
293.4	517283.4	-71.133	34.778	5701488	-1.7E+07	12164036
293.6	517734.3	-71.1261	34.77278	5703964	-1.7E+07	12162695
293.8	518184.4	-71.1192	34.76756	5706440	-1.7E+07	12161353
294	518633.8	-71.1124	34.76234	5708916	-1.7E+07	12160011
294.2	519082.3	-71.1055	34.75713	5711391	-1.7E+07	12158668
294.4	519530.1	-71.0987	34.75191	5713866	-1.7E+07	12157324
294.6	519977.1	-71.0918	34.74669	5716340	-1.7E+07	12155979
294.8	520423.3	-71.085	34.74147	5718814	-1.7E+07	12154634
295	520868.7	-71.0781	34.73625	5721288	-1.7E+07	12153288
295.2	521313.3	-71.0713	34.73103	5723761	-1.7E+07	12151941

295.4	521757.1	-71.0644	34.72582	5726234	-1.7E+07	12150594
295.6	522200.1	-71.0576	34.7206	5728707	-1.7E+07	12149245
295.8	522642.4	-71.0507	34.71538	5731179	-1.7E+07	12147897
296	523083.8	-71.0439	34.71016	5733651	-1.7E+07	12146547
296.2	523524.5	-71.037	34.70494	5736123	-1.7E+07	12145197
296.4	523964.4	-71.0302	34.69971	5738594	-1.7E+07	12143846
296.6	524403.5	-71.0234	34.69449	5741065	-1.7E+07	12142494
296.8	524841.8	-71.0165	34.68927	5743536	-1.7E+07	12141142
297	525279.3	-71.0097	34.68405	5746006	-1.7E+07	12139789
297.2	525716	-71.0028	34.67883	5748476	-1.7E+07	12138435
297.4	526151.9	-70.996	34.67361	5750945	-1.7E+07	12137081
297.6	526587.1	-70.9892	34.66839	5753414	-1.7E+07	12135726
297.8	527021.4	-70.9823	34.66316	5755883	-1.7E+07	12134370
298	527455	-70.9755	34.65794	5758352	-1.7E+07	12133014
298.2	527887.8	-70.9687	34.65272	5760820	-1.7E+07	12131657
298.4	528319.8	-70.9619	34.64749	5763288	-1.7E+07	12130299
298.6	528751	-70.955	34.64227	5765755	-1.7E+07	12128940
298.8	529181.4	-70.9482	34.63705	5768222	-1.7E+07	12127581
299	529611.1	-70.9414	34.63182	5770689	-1.7E+07	12126221
299.2	530039.9	-70.9346	34.6266	5773156	-1.7E+07	12124860
299.4	530468	-70.9277	34.62137	5775622	-1.7E+07	12123499
299.6	530895.2	-70.9209	34.61615	5778087	-1.7E+07	12122137
299.8	531321.7	-70.9141	34.61092	5780553	-1.7E+07	12120774
300	531747.4	-70.9073	34.6057	5783018	-1.7E+07	12119411
300.2	532172.3	-70.9005	34.60047	5785482	-1.7E+07	12118047
300.4	532596.4	-70.8936	34.59525	5787947	-1.7E+07	12116682
300.6	533019.7	-70.8868	34.59002	5790411	-1.7E+07	12115316
300.8	533442.3	-70.88	34.58479	5792874	-1.7E+07	12113950
301	533864	-70.8732	34.57957	5795338	-1.7E+07	12112583
301.2	534285	-70.8664	34.57434	5797801	-1.7E+07	12111216
301.4	534705.2	-70.8596	34.56911	5800263	-1.7E+07	12109847
301.6	535124.6	-70.8528	34.56388	5802725	-1.7E+07	12108478
301.8	535543.2	-70.846	34.55866	5805187	-1.7E+07	12107109
302	535961	-70.8392	34.55343	5807649	-1.7E+07	12105738
302.2	536378	-70.8324	34.5482	5810110	-1.7E+07	12104367
302.4	536794.2	-70.8256	34.54297	5812571	-1.7E+07	12102995
302.6	537209.7	-70.8187	34.53774	5815031	-1.7E+07	12101623
302.8	537624.4	-70.8119	34.53251	5817491	-1.7E+07	12100250
303	538038.2	-70.8051	34.52728	5819951	-1.7E+07	12098876
303.2	538451.3	-70.7984	34.52205	5822411	-1.7E+07	12097502
303.4	538863.6	-70.7916	34.51682	5824870	-1.7E+07	12096126
303.6	539275.1	-70.7848	34.51159	5827328	-1.7E+07	12094750
303.8	539685.8	-70.778	34.50636	5829787	-1.7E+07	12093374
304	540095.8	-70.7712	34.50113	5832245	-1.7E+07	12091997
304.2	540504.9	-70.7644	34.4959	5834702	-1.7E+07	12090619
304.4	540913.3	-70.7576	34.49067	5837160	-1.7E+07	12089240
304.6	541320.9	-70.7508	34.48544	5839617	-1.7E+07	12087861

304.8	541727.6	-70.744	34.48021	5842073	-1.7E+07	12086480
305	542133.6	-70.7372	34.47497	5844530	-1.7E+07	12085100
305.2	542538.9	-70.7304	34.46974	5846985	-1.7E+07	12083718
305.4	542943.3	-70.7237	34.46451	5849441	-1.7E+07	12082336
305.6	543346.9	-70.7169	34.45927	5851896	-1.7E+07	12080953
305.8	543749.8	-70.7101	34.45404	5854351	-1.7E+07	12079570
306	544151.8	-70.7033	34.44881	5856806	-1.7E+07	12078186
306.2	544553.1	-70.6965	34.44357	5859260	-1.7E+07	12076801
306.4	544953.6	-70.6897	34.43834	5861714	-1.7E+07	12075415
306.6	545353.3	-70.683	34.43311	5864167	-1.7E+07	12074029
306.8	545752.2	-70.6762	34.42787	5866620	-1.7E+07	12072642
307	546150.3	-70.6694	34.42264	5869073	-1.7E+07	12071254
307.2	546547.7	-70.6626	34.4174	5871525	-1.7E+07	12069866
307.4	546944.2	-70.6559	34.41216	5873977	-1.7E+07	12068477
307.6	547340	-70.6491	34.40693	5876429	-1.7E+07	12067087
307.8	547734.9	-70.6423	34.40169	5878880	-1.7E+07	12065697
308	548129.1	-70.6356	34.39646	5881331	-1.7E+07	12064306
308.2	548522.5	-70.6288	34.39122	5883782	-1.7E+07	12062914
308.4	548915.1	-70.622	34.38598	5886232	-1.7E+07	12061521
308.6	549307	-70.6153	34.38075	5888682	-1.7E+07	12060128
308.8	549698	-70.6085	34.37551	5891132	-1.7E+07	12058734
309	550088.3	-70.6017	34.37027	5893581	-1.7E+07	12057340
309.2	550477.7	-70.595	34.36503	5896030	-1.7E+07	12055944
309.4	550866.4	-70.5882	34.35979	5898478	-1.7E+07	12054548
309.6	551254.3	-70.5815	34.35455	5900926	-1.7E+07	12053152
309.8	551641.4	-70.5747	34.34932	5903374	-1.7E+07	12051755
310	552027.7	-70.5679	34.34408	5905822	-1.7E+07	12050357
310.2	552413.3	-70.5612	34.33884	5908269	-1.7E+07	12048958
310.4	552798	-70.5544	34.3336	5910715	-1.7E+07	12047559
310.6	553182	-70.5477	34.32836	5913162	-1.7E+07	12046158
310.8	553565.1	-70.5409	34.32312	5915608	-1.7E+07	12044758
311	553947.5	-70.5342	34.31788	5918054	-1.7E+07	12043356
311.2	554329.1	-70.5274	34.31264	5920499	-1.7E+07	12041954
311.4	554709.9	-70.5207	34.30739	5922944	-1.7E+07	12040551
311.6	555089.9	-70.5139	34.30215	5925388	-1.7E+07	12039148
311.8	555469.2	-70.5072	34.29691	5927833	-1.7E+07	12037744
312	555847.6	-70.5004	34.29167	5930277	-1.7E+07	12036339
312.2	556225.3	-70.4937	34.28643	5932720	-1.7E+07	12034933
312.4	556602.2	-70.487	34.28118	5935163	-1.7E+07	12033527
312.6	556978.3	-70.4802	34.27594	5937606	-1.7E+07	12032120
312.8	557353.6	-70.4735	34.2707	5940049	-1.7E+07	12030712
313	557728.1	-70.4667	34.26545	5942491	-1.7E+07	12029304
313.2	558101.8	-70.46	34.26021	5944933	-1.7E+07	12027895
313.4	558474.8	-70.4533	34.25497	5947374	-1.7E+07	12026485
313.6	558846.9	-70.4465	34.24972	5949815	-1.7E+07	12025075
313.8	559218.3	-70.4398	34.24448	5952256	-1.7E+07	12023664
314	559588.9	-70.4331	34.23923	5954696	-1.7E+07	12022252

314.2	559958.7	-70.4263	34.23399	5957136	-1.7E+07	12020840
314.4	560327.7	-70.4196	34.22874	5959576	-1.7E+07	12019427
314.6	560695.9	-70.4129	34.2235	5962015	-1.7E+07	12018013
314.8	561063.3	-70.4062	34.21825	5964454	-1.7E+07	12016598
315	561430	-70.3994	34.213	5966892	-1.7E+07	12015183
315.2	561795.8	-70.3927	34.20776	5969331	-1.7E+07	12013767
315.4	562160.9	-70.386	34.20251	5971769	-1.7E+07	12012351
315.6	562525.2	-70.3793	34.19726	5974206	-1.7E+07	12010934
315.8	562888.7	-70.3725	34.19202	5976643	-1.7E+07	12009516
316	563251.4	-70.3658	34.18677	5979080	-1.7E+07	12008097
316.2	563613.4	-70.3591	34.18152	5981516	-1.7E+07	12006678
316.4	563974.5	-70.3524	34.17627	5983952	-1.7E+07	12005258
316.6	564334.9	-70.3457	34.17102	5986388	-1.7E+07	12003837
316.8	564694.5	-70.3389	34.16577	5988824	-1.7E+07	12002416
317	565053.2	-70.3322	34.16052	5991259	-1.7E+07	12000994
317.2	565411.2	-70.3255	34.15528	5993693	-1.7E+07	11999571
317.4	565768.5	-70.3188	34.15003	5996127	-1.7E+07	11998148
317.6	566124.9	-70.3121	34.14478	5998561	-1.7E+07	11996724
317.8	566480.5	-70.3054	34.13953	6000995	-1.7E+07	11995299
318	566835.4	-70.2987	34.13427	6003428	-1.7E+07	11993873
318.2	567189.5	-70.292	34.12902	6005861	-1.7E+07	11992447
318.4	567542.7	-70.2853	34.12377	6008294	-1.7E+07	11991020
318.6	567895.2	-70.2786	34.11852	6010726	-1.7E+07	11989593
318.8	568246.9	-70.2719	34.11327	6013157	-1.7E+07	11988165
319	568597.9	-70.2652	34.10802	6015589	-1.7E+07	11986736
319.2	568948	-70.2585	34.10276	6018020	-1.7E+07	11985306
319.4	569297.4	-70.2518	34.09751	6020451	-1.7E+07	11983876
319.6	569645.9	-70.2451	34.09226	6022881	-1.7E+07	11982445
319.8	569993.7	-70.2384	34.08701	6025311	-1.7E+07	11981014
320	570340.7	-70.2317	34.08175	6027741	-1.7E+07	11979581
320.2	570686.9	-70.225	34.0765	6030170	-1.7E+07	11978148
320.4	571032.3	-70.2183	34.07124	6032599	-1.7E+07	11976715
320.6	571377	-70.2116	34.06599	6035027	-1.7E+07	11975280
320.8	571720.8	-70.2049	34.06074	6037456	-1.7E+07	11973845
321	572063.9	-70.1982	34.05548	6039883	-1.7E+07	11972410
321.2	572406.2	-70.1915	34.05023	6042311	-1.7E+07	11970973
321.4	572747.7	-70.1848	34.04497	6044738	-1.7E+07	11969536
321.6	573088.4	-70.1781	34.03971	6047165	-1.7E+07	11968098
321.8	573428.3	-70.1714	34.03446	6049591	-1.7E+07	11966660
322	573767.4	-70.1648	34.0292	6052017	-1.7E+07	11965221
322.2	574105.8	-70.1581	34.02394	6054443	-1.7E+07	11963781
322.4	574443.4	-70.1514	34.01869	6056868	-1.7E+07	11962341
322.6	574780.1	-70.1447	34.01343	6059293	-1.7E+07	11960900
322.8	575116.1	-70.138	34.00817	6061718	-1.7E+07	11959458
323	575451.3	-70.1313	34.00291	6064142	-1.7E+07	11958015
323.2	575785.8	-70.1247	33.99766	6066566	-1.7E+07	11956572
323.4	576119.4	-70.118	33.9924	6068989	-1.7E+07	11955128

323.6	576452.3	-70.1113	33.98714	6071413	-1.7E+07	11953684
323.8	576784.3	-70.1046	33.98188	6073835	-1.7E+07	11952238
324	577115.6	-70.098	33.97662	6076258	-1.7E+07	11950792
324.2	577446.1	-70.0913	33.97136	6078680	-1.7E+07	11949346
324.4	577775.8	-70.0846	33.9661	6081102	-1.7E+07	11947899
324.6	578104.7	-70.078	33.96084	6083523	-1.7E+07	11946451
324.78	578400.1	-70.072	33.95611	6085702	-1.7E+07	11945147
324.8	578432.9	-70.0713	33.95558	6085944	-1.7E+07	11945002
324.83	578482	-70.0703	33.95479	6086307	-1.7E+07	11944785
325	578760.2	-70.0646	33.95032	6088365	-1.7E+07	11943553
325.03	578809.3	-70.0636	33.94953	6088728	-1.7E+07	11943335
325.2	579086.8	-70.058	33.94506	6090785	-1.7E+07	11942103
325.4	579412.6	-70.0513	33.9398	6093205	-1.7E+07	11940652
325.6	579737.6	-70.0446	33.93454	6095624	-1.7E+07	11939201
325.8	580061.8	-70.038	33.92927	6098043	-1.7E+07	11937749
326	580385.2	-70.0313	33.92401	6100462	-1.7E+07	11936296
326.2	580707.8	-70.0246	33.91875	6102881	-1.7E+07	11934843
326.4	581029.7	-70.018	33.91349	6105299	-1.7E+07	11933388
326.6	581350.8	-70.0113	33.90822	6107717	-1.7E+07	11931934
326.8	581671	-70.0047	33.90296	6110134	-1.7E+07	11930478
327	581990.5	-69.998	33.89769	6112551	-1.7E+07	11929022
327.2	582309.3	-69.9914	33.89243	6114968	-1.7E+07	11927565
327.4	582627.2	-69.9847	33.88717	6117384	-1.7E+07	11926108
327.6	582944.3	-69.978	33.8819	6119800	-1.7E+07	11924650
327.8	583260.7	-69.9714	33.87664	6122215	-1.7E+07	11923191
328	583576.3	-69.9647	33.87137	6124631	-1.7E+07	11921731
328.2	583891	-69.9581	33.86611	6127046	-1.7E+07	11920271
328.4	584205	-69.9514	33.86084	6129460	-1.7E+07	11918810
328.6	584518.3	-69.9448	33.85557	6131874	-1.7E+07	11917349
328.8	584830.7	-69.9382	33.85031	6134288	-1.7E+07	11915887
329	585142.3	-69.9315	33.84504	6136701	-1.7E+07	11914424
329.2	585453.2	-69.9249	33.83977	6139114	-1.7E+07	11912960
329.4	585763.3	-69.9182	33.83451	6141527	-1.7E+07	11911496
329.6	586072.6	-69.9116	33.82924	6143939	-1.7E+07	11910031
329.8	586381.1	-69.9049	33.82397	6146351	-1.7E+07	11908566
330	586688.8	-69.8983	33.8187	6148763	-1.7E+07	11907099
330.2	586995.7	-69.8917	33.81343	6151174	-1.7E+07	11905632
330.4	587301.9	-69.885	33.80816	6153585	-1.7E+07	11904165
330.6	587607.2	-69.8784	33.8029	6155995	-1.7E+07	11902696
330.8	587911.8	-69.8718	33.79763	6158405	-1.7E+07	11901227
331	588215.6	-69.8651	33.79236	6160815	-1.7E+07	11899758
331.2	588518.6	-69.8585	33.78709	6163225	-1.7E+07	11898287
331.4	588820.8	-69.8519	33.78182	6165634	-1.7E+07	11896816
331.6	589122.3	-69.8452	33.77654	6168042	-1.7E+07	11895345
331.8	589422.9	-69.8386	33.77127	6170451	-1.7E+07	11893872
332	589722.8	-69.832	33.766	6172859	-1.7E+07	11892399
332.2	590021.9	-69.8253	33.76073	6175266	-1.7E+07	11890926

332.4	590320.2	-69.8187	33.75546	6177673	-1.7E+07	11889451
332.6	590617.7	-69.8121	33.75019	6180080	-1.7E+07	11887976
332.8	590914.4	-69.8055	33.74491	6182487	-1.7E+07	11886500
333	591210.4	-69.7989	33.73964	6184893	-1.7E+07	11885024
333.2	591505.5	-69.7922	33.73437	6187299	-1.7E+07	11883547
333.4	591799.9	-69.7856	33.72909	6189704	-1.7E+07	11882069
333.6	592093.5	-69.779	33.72382	6192109	-1.7E+07	11880591
333.8	592386.3	-69.7724	33.71855	6194514	-1.7E+07	11879112
334	592678.3	-69.7658	33.71327	6196918	-1.7E+07	11877632
334.2	592969.6	-69.7591	33.708	6199322	-1.7E+07	11876151
334.4	593260	-69.7525	33.70272	6201725	-1.7E+07	11874670
334.6	593549.7	-69.7459	33.69745	6204129	-1.7E+07	11873188
334.8	593838.6	-69.7393	33.69217	6206531	-1.7E+07	11871706
335	594126.7	-69.7327	33.6869	6208934	-1.7E+07	11870223
335.2	594414	-69.7261	33.68162	6211336	-1.7E+07	11868739
335.4	594700.5	-69.7195	33.67634	6213738	-1.7E+07	11867254
335.6	594986.3	-69.7129	33.67107	6216139	-1.7E+07	11865769
335.8	595271.2	-69.7063	33.66579	6218540	-1.7E+07	11864283
336	595555.4	-69.6997	33.66051	6220941	-1.7E+07	11862797
336.2	595838.8	-69.6931	33.65523	6223341	-1.7E+07	11861310
336.4	596121.4	-69.6864	33.64996	6225741	-1.7E+07	11859822
336.58	596375.1	-69.6805	33.64521	6227900	-1.7E+07	11858482
336.6	596403.2	-69.6798	33.64468	6228140	-1.7E+07	11858333
336.7	596543.8	-69.6765	33.64204	6229340	-1.7E+07	11857589
336.78	596655.9	-69.6739	33.63993	6230299	-1.7E+07	11856993
336.8	596684	-69.6732	33.6394	6230539	-1.7E+07	11856844
337	596964.2	-69.6666	33.63412	6232938	-1.7E+07	11855354
337.1999	597243.7	-69.66	33.62884	6235336	-1.7E+07	11853863
337.3999	597522.4	-69.6534	33.62356	6237734	-1.7E+07	11852372
337.5999	597800.3	-69.6469	33.61828	6240132	-1.7E+07	11850880
337.7999	598077.4	-69.6403	33.613	6242530	-1.7E+07	11849388
337.9999	598353.8	-69.6337	33.60772	6244927	-1.7E+07	11847894
338.1999	598629.3	-69.6271	33.60244	6247323	-1.7E+07	11846401
338.3999	598904.1	-69.6205	33.59716	6249719	-1.7E+07	11844906
338.5999	599178.1	-69.6139	33.59188	6252115	-1.7E+07	11843411
338.7999	599451.3	-69.6073	33.5866	6254511	-1.7E+07	11841915
338.9999	599723.7	-69.6007	33.58131	6256906	-1.7E+07	11840418
339.1999	599995.4	-69.5941	33.57603	6259301	-1.7E+07	11838921
339.3999	600266.2	-69.5875	33.57075	6261695	-1.7E+07	11837423
339.5999	600536.3	-69.5809	33.56547	6264089	-1.7E+07	11835924
339.7799	600778.7	-69.575	33.56071	6266244	-1.7E+07	11834575
339.7999	600805.6	-69.5744	33.56018	6266483	-1.7E+07	11834425
339.8299	600845.9	-69.5734	33.55939	6266842	-1.7E+07	11834200
339.9999	601074.1	-69.5678	33.5549	6268876	-1.7E+07	11832925
340.0299	601114.3	-69.5668	33.55411	6269235	-1.7E+07	11832700
340.1999	601341.8	-69.5612	33.54961	6271269	-1.7E+07	11831424
340.3999	601608.8	-69.5546	33.54433	6273662	-1.7E+07	11829923

340.5999	601874.9	-69.548	33.53905	6276054	-1.7E+07	11828421
340.7999	602140.3	-69.5415	33.53376	6278446	-1.7E+07	11826918
340.9999	602404.9	-69.5349	33.52848	6280837	-1.7E+07	11825415
341.1999	602668.6	-69.5283	33.52319	6283228	-1.7E+07	11823911
341.3999	602931.7	-69.5217	33.5179	6285619	-1.7E+07	11822406
341.5999	603193.9	-69.5151	33.51262	6288009	-1.7E+07	11820901
341.7799	603429.4	-69.5092	33.50786	6290161	-1.7E+07	11819545
341.7999	603455.5	-69.5086	33.50733	6290400	-1.7E+07	11819395
341.9999	603716.1	-69.502	33.50204	6292789	-1.7E+07	11817888
342.1999	603976.1	-69.4954	33.49676	6295179	-1.7E+07	11816381
342.3999	604235.2	-69.4889	33.49147	6297568	-1.7E+07	11814873
342.5999	604493.5	-69.4823	33.48618	6299956	-1.7E+07	11813364
342.7999	604751.1	-69.4757	33.48089	6302344	-1.7E+07	11811854
342.9999	605007.8	-69.4692	33.47561	6304732	-1.7E+07	11810344
343.1999	605263.8	-69.4626	33.47032	6307120	-1.7E+07	11808834
343.3999	605519	-69.456	33.46503	6309507	-1.7E+07	11807322
343.5999	605773.4	-69.4495	33.45974	6311893	-1.7E+07	11805810
343.7999	606027.1	-69.4429	33.45445	6314280	-1.7E+07	11804297
343.9999	606279.9	-69.4363	33.44916	6316666	-1.7E+07	11802784
344.1999	606532	-69.4298	33.44387	6319051	-1.7E+07	11801270
344.3999	606783.2	-69.4232	33.43858	6321436	-1.7E+07	11799755
344.5999	607033.7	-69.4166	33.43329	6323821	-1.7E+07	11798240
344.7999	607283.5	-69.4101	33.428	6326206	-1.7E+07	11796724
344.9999	607532.4	-69.4035	33.4227	6328590	-1.7E+07	11795207
345.1999	607780.5	-69.397	33.41741	6330974	-1.7E+07	11793690
345.3999	608027.9	-69.3904	33.41212	6333357	-1.7E+07	11792171
345.5999	608274.5	-69.3839	33.40683	6335740	-1.7E+07	11790653
345.7816	608497.8	-69.3779	33.40202	6337904	-1.7E+07	11789273
345.7999	608520.3	-69.3773	33.40153	6338123	-1.7E+07	11789133
345.9999	608765.5	-69.3708	33.39624	6340505	-1.7E+07	11787613
346.1999	609010.7	-69.3642	33.39095	6342889	-1.7E+07	11786092
346.3999	609255.8	-69.3577	33.38565	6345273	-1.7E+07	11784570
346.5999	609500.9	-69.3511	33.38035	6347657	-1.7E+07	11783048
346.7999	609745.9	-69.3445	33.37504	6350043	-1.7E+07	11781524
346.9999	609990.9	-69.338	33.36974	6352429	-1.7E+07	11780000
347.1999	610235.9	-69.3314	33.36443	6354816	-1.7E+07	11778475
347.3999	610480.9	-69.3249	33.35912	6357203	-1.7E+07	11776949
347.5999	610725.8	-69.3183	33.35381	6359592	-1.7E+07	11775422
347.7999	610970.7	-69.3117	33.3485	6361981	-1.7E+07	11773894
347.9999	611215.6	-69.3052	33.34318	6364371	-1.7E+07	11772365
348.1999	611460.4	-69.2986	33.33786	6366762	-1.7E+07	11770835
348.3999	611705.2	-69.292	33.33254	6369153	-1.7E+07	11769304
348.5999	611949.9	-69.2855	33.32722	6371545	-1.7E+07	11767772
348.7999	612194.5	-69.2789	33.32189	6373939	-1.7E+07	11766239
348.9999	612439.1	-69.2723	33.31656	6376333	-1.7E+07	11764705
349.1999	612683.7	-69.2657	33.31123	6378727	-1.7E+07	11763170
349.3999	612928.2	-69.2592	33.30589	6381123	-1.7E+07	11761634

349.5999	613172.6	-69.2526	33.30055	6383519	-1.7E+07	11760097
349.7999	613417	-69.246	33.29521	6385917	-1.7E+07	11758559
349.9999	613661.4	-69.2394	33.28987	6388315	-1.7E+07	11757020
350.1999	613905.8	-69.2328	33.28452	6390714	-1.7E+07	11755480
350.3999	614150.2	-69.2262	33.27917	6393114	-1.7E+07	11753939
350.5999	614394.5	-69.2196	33.27382	6395515	-1.7E+07	11752397
350.7999	614638.8	-69.2131	33.26847	6397916	-1.7E+07	11750854
350.9999	614883.2	-69.2065	33.26311	6400319	-1.7E+07	11749310
351.1999	615127.5	-69.1999	33.25775	6402722	-1.7E+07	11747765
351.3999	615371.8	-69.1933	33.25238	6405127	-1.7E+07	11746219
351.5999	615616.2	-69.1867	33.24702	6407532	-1.7E+07	11744672
351.7999	615860.5	-69.1801	33.24165	6409938	-1.7E+07	11743124
351.9999	616104.9	-69.1735	33.23628	6412345	-1.7E+07	11741575
352.1999	616349.4	-69.1669	33.2309	6414754	-1.7E+07	11740024
352.3999	616593.8	-69.1603	33.22553	6417163	-1.7E+07	11738473
352.5999	616838.3	-69.1537	33.22014	6419573	-1.7E+07	11736921
352.7999	617082.9	-69.147	33.21476	6421984	-1.7E+07	11735367
352.9999	617327.5	-69.1404	33.20937	6424396	-1.7E+07	11733813
353.1999	617572.1	-69.1338	33.20398	6426810	-1.7E+07	11732257
353.3999	617816.9	-69.1272	33.19859	6429224	-1.7E+07	11730701
353.5999	618061.7	-69.1206	33.1932	6431639	-1.7E+07	11729143
353.7999	618306.6	-69.114	33.1878	6434055	-1.7E+07	11727584
353.9999	618551.5	-69.1073	33.18239	6436473	-1.7E+07	11726024
354.1999	618796.6	-69.1007	33.17699	6438891	-1.7E+07	11724463
354.3999	619041.7	-69.0941	33.17158	6441311	-1.7E+07	11722901
354.5999	619286.9	-69.0874	33.16617	6443732	-1.7E+07	11721338
354.7999	619532.3	-69.0808	33.16075	6446154	-1.7E+07	11719774
354.9999	619777.7	-69.0742	33.15533	6448577	-1.7E+07	11718208
355.1999	620023.3	-69.0675	33.14991	6451001	-1.7E+07	11716642
355.3999	620269	-69.0609	33.14449	6453426	-1.7E+07	11715074
355.5999	620514.8	-69.0543	33.13906	6455853	-1.7E+07	11713505
355.7999	620760.8	-69.0476	33.13363	6458281	-1.7E+07	11711935
355.9999	621006.9	-69.041	33.12819	6460709	-1.7E+07	11710364
356.1999	621253.1	-69.0343	33.12275	6463140	-1.7E+07	11708792
356.3999	621499.5	-69.0277	33.11731	6465571	-1.7E+07	11707219
356.5999	621746.1	-69.021	33.11186	6468004	-1.7E+07	11705644
356.7999	621992.8	-69.0143	33.10641	6470437	-1.7E+07	11704069
356.9999	622239.7	-69.0077	33.10096	6472873	-1.7E+07	11702492
357.1999	622486.7	-69.001	33.0955	6475309	-1.7E+07	11700914
357.3999	622733.9	-68.9943	33.09004	6477747	-1.7E+07	11699334
357.5999	622981.4	-68.9877	33.08458	6480186	-1.7E+07	11697754
357.7999	623229	-68.981	33.07911	6482626	-1.7E+07	11696172
357.9999	623476.8	-68.9743	33.07364	6485068	-1.7E+07	11694589
358.1999	623724.8	-68.9677	33.06817	6487511	-1.7E+07	11693005
358.3999	623973	-68.961	33.06269	6489955	-1.7E+07	11691420
358.5999	624221.4	-68.9543	33.0572	6492401	-1.7E+07	11689834
358.7999	624470	-68.9476	33.05172	6494848	-1.7E+07	11688246

358.9999	624718.9	-68.9409	33.04623	6497297	-1.7E+07	11686657
359.1999	624967.9	-68.9342	33.04073	6499747	-1.7E+07	11685067
359.3999	625217.2	-68.9275	33.03524	6502198	-1.7E+07	11683475
359.5999	625466.7	-68.9208	33.02973	6504651	-1.7E+07	11681883
359.7999	625716.4	-68.9141	33.02423	6507105	-1.7E+07	11680289
359.9999	625966.3	-68.9074	33.01872	6509561	-1.7E+07	11678694
360.1999	626216.4	-68.9007	33.01321	6512018	-1.7E+07	11677097
360.3999	626466.7	-68.894	33.00769	6514476	-1.7E+07	11675500
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360.7999	626968	-68.8806	32.99664	6519397	-1.7E+07	11672301
360.9999	627219	-68.8738	32.99111	6521859	-1.7E+07	11670700
361.1999	627470.2	-68.8671	32.98558	6524323	-1.7E+07	11669097
361.3999	627721.6	-68.8604	32.98004	6526789	-1.7E+07	11667493
361.5999	627973.2	-68.8536	32.9745	6529256	-1.7E+07	11665888
361.7999	628225	-68.8469	32.96896	6531724	-1.7E+07	11664282
361.9999	628477.1	-68.8402	32.96341	6534194	-1.7E+07	11662674
362.1999	628729.3	-68.8334	32.95786	6536665	-1.7E+07	11661065
362.3999	628981.8	-68.8267	32.9523	6539137	-1.7E+07	11659455
362.5999	629234.5	-68.8199	32.94674	6541611	-1.7E+07	11657844
362.7999	629487.5	-68.8132	32.94118	6544087	-1.7E+07	11656231
362.9999	629740.6	-68.8064	32.93561	6546564	-1.7E+07	11654617
363.1999	629994	-68.7997	32.93004	6549042	-1.7E+07	11653002
363.3999	630247.5	-68.7929	32.92446	6551522	-1.7E+07	11651385
363.5999	630501.3	-68.7862	32.91888	6554004	-1.7E+07	11649767
363.7999	630755.4	-68.7794	32.9133	6556486	-1.7E+07	11648148
363.9999	631009.6	-68.7726	32.90771	6558971	-1.7E+07	11646528
364.1999	631264.1	-68.7659	32.90212	6561457	-1.7E+07	11644906
364.3999	631518.8	-68.7591	32.89652	6563944	-1.7E+07	11643283
364.5999	631773.7	-68.7523	32.89092	6566433	-1.7E+07	11641659
364.7999	632028.9	-68.7455	32.88532	6568923	-1.7E+07	11640033
364.9999	632284.2	-68.7387	32.87971	6571415	-1.7E+07	11638406
365.1999	632539.9	-68.7319	32.8741	6573908	-1.7E+07	11636778
365.3999	632795.7	-68.7251	32.86848	6576403	-1.7E+07	11635148
365.5999	633051.8	-68.7184	32.86286	6578900	-1.7E+07	11633517
365.7999	633308.1	-68.7116	32.85724	6581398	-1.7E+07	11631885
365.9999	633564.7	-68.7047	32.85161	6583897	-1.7E+07	11630251
366.1999	633821.5	-68.6979	32.84597	6586398	-1.7E+07	11628616
366.3999	634078.5	-68.6911	32.84034	6588901	-1.7E+07	11626980
366.5999	634335.8	-68.6843	32.83469	6591405	-1.7E+07	11625342
366.7999	634593.3	-68.6775	32.82905	6593911	-1.7E+07	11623703
366.9999	634851.1	-68.6707	32.8234	6596418	-1.7E+07	11622062
367.1999	635109.1	-68.6639	32.81774	6598927	-1.7E+07	11620421
367.3999	635367.3	-68.657	32.81208	6601438	-1.7E+07	11618777
367.5999	635625.8	-68.6502	32.80642	6603950	-1.7E+07	11617133
367.7999	635884.5	-68.6434	32.80075	6606464	-1.7E+07	11615487
367.9999	636143.5	-68.6365	32.79508	6608979	-1.7E+07	11613840
368.1999	636402.7	-68.6297	32.78941	6611496	-1.7E+07	11612191

368.3999	636662.2	-68.6228	32.78373	6614015	-1.7E+07	11610541
368.5999	636921.9	-68.616	32.77804	6616535	-1.7E+07	11608889
368.7999	637181.9	-68.6091	32.77235	6619057	-1.7E+07	11607236
368.9999	637442.1	-68.6023	32.76666	6621580	-1.7E+07	11605582
369.1999	637702.6	-68.5954	32.76096	6624106	-1.7E+07	11603926
369.3999	637963.3	-68.5886	32.75526	6626632	-1.7E+07	11602269
369.5999	638224.3	-68.5817	32.74955	6629161	-1.7E+07	11600611
369.7999	638485.5	-68.5748	32.74384	6631691	-1.7E+07	11598951
369.9999	638747	-68.5679	32.73812	6634223	-1.7E+07	11597289
370.1999	639008.8	-68.5611	32.7324	6636756	-1.7E+07	11595626
370.3999	639270.8	-68.5542	32.72668	6639292	-1.7E+07	11593962
370.5999	639533.1	-68.5473	32.72095	6641829	-1.7E+07	11592296
370.7999	639795.6	-68.5404	32.71522	6644367	-1.7E+07	11590629
370.9999	640058.4	-68.5335	32.70948	6646908	-1.7E+07	11588960
371.1999	640321.5	-68.5266	32.70373	6649450	-1.7E+07	11587290
371.3999	640584.8	-68.5197	32.69799	6651994	-1.7E+07	11585619
371.5999	640848.4	-68.5128	32.69223	6654539	-1.7E+07	11583946
371.7999	641112.3	-68.5059	32.68648	6657087	-1.7E+07	11582271
371.9999	641376.4	-68.499	32.68071	6659636	-1.7E+07	11580595
372.1999	641640.9	-68.4921	32.67495	6662187	-1.7E+07	11578917
372.3999	641905.5	-68.4851	32.66918	6664739	-1.7E+07	11577238
372.5999	642170.5	-68.4782	32.6634	6667294	-1.7E+07	11575558
372.7999	642435.8	-68.4713	32.65762	6669850	-1.7E+07	11573875
372.9999	642701.3	-68.4643	32.65183	6672408	-1.7E+07	11572192
373.1999	642967.1	-68.4574	32.64604	6674968	-1.7E+07	11570507
373.3999	643233.1	-68.4505	32.64025	6677530	-1.7E+07	11568820
373.5999	643499.5	-68.4435	32.63445	6680093	-1.7E+07	11567132
373.7999	643766.1	-68.4366	32.62864	6682659	-1.7E+07	11565442
373.9999	644033	-68.4296	32.62283	6685226	-1.7E+07	11563751
374.1999	644300.2	-68.4227	32.61702	6687795	-1.7E+07	11562058
374.3999	644567.7	-68.4157	32.6112	6690366	-1.7E+07	11560363
374.5999	644835.4	-68.4087	32.60538	6692938	-1.7E+07	11558667
374.7999	645103.5	-68.4017	32.59955	6695513	-1.7E+07	11556969
374.9999	645371.8	-68.3948	32.59371	6698090	-1.7E+07	11555270
375.1999	645640.4	-68.3878	32.58787	6700668	-1.7E+07	11553569
375.3999	645909.3	-68.3808	32.58203	6703248	-1.7E+07	11551867
375.5999	646178.5	-68.3738	32.57618	6705831	-1.7E+07	11550163
375.7999	646448	-68.3668	32.57032	6708415	-1.7E+07	11548457
375.9999	646717.8	-68.3598	32.56446	6711001	-1.7E+07	11546750
376.1999	646987.8	-68.3528	32.5586	6713589	-1.7E+07	11545041
376.3999	647258.2	-68.3458	32.55273	6716179	-1.7E+07	11543331
376.5999	647528.8	-68.3388	32.54685	6718771	-1.7E+07	11541619
376.7999	647799.8	-68.3318	32.54097	6721365	-1.7E+07	11539905
376.9999	648071	-68.3248	32.53509	6723961	-1.7E+07	11538190
377.1999	648342.5	-68.3177	32.5292	6726559	-1.7E+07	11536472
377.3999	648614.3	-68.3107	32.5233	6729158	-1.7E+07	11534754
377.5999	648886.5	-68.3037	32.5174	6731760	-1.7E+07	11533033

377.7999	649158.9	-68.2966	32.51149	6734364	-1.7E+07	11531311
377.9999	649431.6	-68.2896	32.50558	6736970	-1.7E+07	11529587
378.1999	649704.6	-68.2826	32.49967	6739578	-1.7E+07	11527862
378.3999	649977.9	-68.2755	32.49374	6742188	-1.7E+07	11526135
378.5999	650251.5	-68.2684	32.48782	6744800	-1.7E+07	11524406
378.7999	650525.4	-68.2614	32.48188	6747414	-1.7E+07	11522675
378.9999	650799.6	-68.2543	32.47594	6750030	-1.7E+07	11520943
379.1999	651074.1	-68.2472	32.47	6752648	-1.7E+07	11519209
379.3999	651348.9	-68.2402	32.46405	6755268	-1.7E+07	11517473
379.5999	651624	-68.2331	32.4581	6757890	-1.7E+07	11515736
379.7999	651899.4	-68.226	32.45214	6760515	-1.7E+07	11513996
379.9999	652175.1	-68.2189	32.44617	6763141	-1.7E+07	11512255
380.1999	652451.1	-68.2118	32.4402	6765770	-1.7E+07	11510513
380.3999	652727.3	-68.2047	32.43422	6768400	-1.7E+07	11508768
380.5999	653003.9	-68.1976	32.42824	6771033	-1.7E+07	11507022
380.7999	653280.8	-68.1905	32.42225	6773668	-1.7E+07	11505274
380.9999	653558	-68.1834	32.41626	6776305	-1.7E+07	11503524
381.1999	653835.5	-68.1763	32.41026	6778944	-1.7E+07	11501772
381.3999	654113.3	-68.1691	32.40425	6781585	-1.7E+07	11500019
381.5999	654391.4	-68.162	32.39824	6784229	-1.7E+07	11498263
381.7999	654669.8	-68.1549	32.39223	6786875	-1.7E+07	11496506
381.9999	654948.5	-68.1477	32.3862	6789522	-1.7E+07	11494747
382.1999	655227.5	-68.1406	32.38018	6792172	-1.7E+07	11492987
382.3999	655506.7	-68.1334	32.37414	6794825	-1.7E+07	11491224
382.5999	655786.3	-68.1263	32.3681	6797479	-1.7E+07	11489460
382.7999	656066.2	-68.1191	32.36206	6800136	-1.7E+07	11487693
382.9999	656346.4	-68.112	32.35601	6802795	-1.7E+07	11485925
383.1999	656626.9	-68.1048	32.34995	6805456	-1.7E+07	11484155
383.3999	656907.7	-68.0976	32.34389	6808119	-1.7E+07	11482383
383.5999	657188.7	-68.0904	32.33782	6810785	-1.7E+07	11480609
383.7999	657470.1	-68.0832	32.33175	6813452	-1.7E+07	11478834
383.9999	657751.8	-68.076	32.32567	6816123	-1.7E+07	11477056
384.1999	658033.7	-68.0689	32.31958	6818795	-1.7E+07	11475277
384.3999	658316	-68.0616	32.31349	6821470	-1.7E+07	11473495
384.5999	658598.5	-68.0544	32.30739	6824146	-1.7E+07	11471712
384.7999	658881.4	-68.0472	32.30128	6826826	-1.7E+07	11469926
384.9999	659164.5	-68.04	32.29517	6829507	-1.7E+07	11468139
385.1999	659447.9	-68.0328	32.28906	6832191	-1.7E+07	11466350
385.3999	659731.7	-68.0256	32.28294	6834877	-1.7E+07	11464559
385.5999	660015.7	-68.0183	32.27681	6837566	-1.7E+07	11462766
385.7999	660300	-68.0111	32.27067	6840256	-1.7E+07	11460971
385.9999	660584.5	-68.0038	32.26453	6842950	-1.7E+07	11459174
386.1999	660869.4	-67.9966	32.25838	6845645	-1.7E+07	11457375
386.3999	661154.6	-67.9893	32.25223	6848343	-1.7E+07	11455574
386.5999	661440	-67.9821	32.24607	6851043	-1.7E+07	11453771
386.7999	661725.8	-67.9748	32.23991	6853746	-1.7E+07	11451966
386.9999	662011.8	-67.9675	32.23373	6856451	-1.7E+07	11450159

387.1999	662298.1	-67.9602	32.22756	6859158	-1.7E+07	11448350
387.3999	662584.7	-67.953	32.22137	6861868	-1.7E+07	11446539
387.5999	662871.6	-67.9457	32.21518	6864580	-1.7E+07	11444725
387.7999	663158.7	-67.9384	32.20898	6867295	-1.7E+07	11442910
387.9999	663446.1	-67.9311	32.20278	6870012	-1.7E+07	11441093
388.1999	663733.9	-67.9238	32.19657	6872731	-1.7E+07	11439274
388.3999	664021.8	-67.9165	32.19035	6875453	-1.7E+07	11437452
388.5999	664310.1	-67.9091	32.18413	6878178	-1.7E+07	11435629
388.7999	664598.6	-67.9018	32.1779	6880904	-1.7E+07	11433803
388.9999	664887.4	-67.8945	32.17167	6883634	-1.7E+07	11431976
389.1999	665176.5	-67.8871	32.16542	6886365	-1.7E+07	11430146
389.3999	665465.8	-67.8798	32.15918	6889100	-1.7E+07	11428314
389.5999	665755.4	-67.8725	32.15292	6891836	-1.7E+07	11426480
389.7999	666045.3	-67.8651	32.14666	6894575	-1.7E+07	11424644
389.9999	666335.4	-67.8577	32.14039	6897317	-1.7E+07	11422806
390.1999	666625.8	-67.8504	32.13412	6900061	-1.7E+07	11420965
390.3999	666916.4	-67.843	32.12783	6902808	-1.7E+07	11419123
390.5999	667207.3	-67.8356	32.12155	6905557	-1.7E+07	11417278
390.7999	667498.4	-67.8282	32.11525	6908309	-1.7E+07	11415431
390.9999	667789.8	-67.8209	32.10895	6911063	-1.7E+07	11413582
391.1999	668081.5	-67.8135	32.10264	6913820	-1.7E+07	11411731
391.3999	668373.4	-67.8061	32.09633	6916579	-1.7E+07	11409877
391.5999	668665.5	-67.7986	32.09001	6919341	-1.7E+07	11408022
391.7999	668957.9	-67.7912	32.08368	6922106	-1.7E+07	11406164
391.9999	669250.5	-67.7838	32.07734	6924873	-1.7E+07	11404304
392.1999	669543.4	-67.7764	32.071	6927642	-1.7E+07	11402441
392.3999	669836.5	-67.769	32.06465	6930414	-1.7E+07	11400577
392.5999	670129.9	-67.7615	32.0583	6933189	-1.7E+07	11398710
392.7999	670423.4	-67.7541	32.05193	6935967	-1.7E+07	11396841
392.9999	670717.3	-67.7466	32.04556	6938747	-1.7E+07	11394970
393.1999	671011.3	-67.7392	32.03919	6941529	-1.7E+07	11393096
393.3999	671305.6	-67.7317	32.0328	6944314	-1.7E+07	11391220
393.5999	671600.1	-67.7242	32.02641	6947102	-1.7E+07	11389342
393.7999	671894.8	-67.7168	32.02002	6949893	-1.7E+07	11387462
393.9999	672189.8	-67.7093	32.01361	6952686	-1.7E+07	11385579
394.1999	672484.9	-67.7018	32.0072	6955482	-1.7E+07	11383694
394.3999	672780.3	-67.6943	32.00078	6958280	-1.7E+07	11381806
394.5999	673075.9	-67.6868	31.99436	6961081	-1.7E+07	11379917
394.7999	673371.7	-67.6793	31.98793	6963885	-1.7E+07	11378025
394.9999	673667.7	-67.6718	31.98149	6966691	-1.7E+07	11376130
395.1999	673963.9	-67.6642	31.97504	6969500	-1.7E+07	11374234
395.3999	674260.3	-67.6567	31.96859	6972312	-1.7E+07	11372335
395.5999	674557	-67.6492	31.96213	6975127	-1.7E+07	11370433
395.7999	674853.8	-67.6416	31.95566	6977944	-1.7E+07	11368529
395.9999	675150.8	-67.6341	31.94919	6980764	-1.7E+07	11366623
396.1999	675448	-67.6265	31.9427	6983587	-1.7E+07	11364714
396.3999	675745.4	-67.619	31.93621	6986412	-1.7E+07	11362803

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396.7999	676340.7	-67.6039	31.92321	6992071	-1.7E+07	11358974
396.9999	676638.7	-67.5963	31.9167	6994904	-1.7E+07	11357056
397.1999	676936.8	-67.5887	31.91018	6997741	-1.7E+07	11355135
397.3999	677235.1	-67.5811	31.90366	7000580	-1.7E+07	11353212
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397.7999	677832.2	-67.5659	31.89058	7006266	-1.7E+07	11349358
397.9999	678131	-67.5583	31.88404	7009114	-1.7E+07	11347428
398.1999	678429.9	-67.5507	31.87748	7011964	-1.7E+07	11345495
398.3999	678729	-67.543	31.87092	7014817	-1.7E+07	11343559
398.5999	679028.3	-67.5354	31.86435	7017673	-1.7E+07	11341621
398.7999	679327.7	-67.5278	31.85777	7020531	-1.7E+07	11339681
398.9999	679627.3	-67.5201	31.85119	7023393	-1.7E+07	11337738
399.1999	679927	-67.5125	31.84459	7026257	-1.7E+07	11335792
399.3999	680226.9	-67.5048	31.83799	7029124	-1.7E+07	11333844
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399.7999	680827	-67.4895	31.82477	7034866	-1.7E+07	11329940
399.9999	681127.3	-67.4818	31.81815	7037742	-1.7E+07	11327984
400.1999	681427.7	-67.4741	31.81152	7040620	-1.7E+07	11326026
400.3999	681728.2	-67.4664	31.80488	7043502	-1.7E+07	11324065
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400.7999	682329.6	-67.451	31.79158	7049273	-1.7E+07	11320135
400.9999	682630.5	-67.4433	31.78492	7052163	-1.7E+07	11318166
401.1999	682931.5	-67.4356	31.77825	7055056	-1.7E+07	11316195
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401.7999	683835.1	-67.4123	31.75819	7063752	-1.7E+07	11310265
401.9999	684136.5	-67.4046	31.75149	7066656	-1.7E+07	11308283
402.1999	684438	-67.3968	31.74479	7069563	-1.7E+07	11306299
402.3999	684739.5	-67.3891	31.73807	7072474	-1.7E+07	11304311
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402.7999	685342.9	-67.3735	31.72462	7078303	-1.7E+07	11300329
402.9999	685644.7	-67.3657	31.71788	7081222	-1.7E+07	11298333
403.1999	685946.5	-67.3579	31.71113	7084144	-1.7E+07	11296335
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403.7999	686852.5	-67.3345	31.69084	7092928	-1.7E+07	11290325
403.9999	687154.6	-67.3267	31.68406	7095862	-1.7E+07	11288316
404.1999	687456.7	-67.3189	31.67727	7098798	-1.7E+07	11286304
404.3999	687758.9	-67.311	31.67048	7101738	-1.7E+07	11284289
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404.7999	688363.4	-67.2953	31.65686	7107627	-1.7E+07	11280252
404.9999	688665.7	-67.2875	31.65004	7110575	-1.7E+07	11278229
405.1999	688968	-67.2796	31.64322	7113527	-1.7E+07	11276203
405.3999	689270.3	-67.2717	31.63638	7116482	-1.7E+07	11274175
405.5999	689572.7	-67.2638	31.62954	7119440	-1.7E+07	11272144
405.7999	689875	-67.256	31.62268	7122400	-1.7E+07	11270110

405.9999	690177.4	-67.2481	31.61582	7125364	-1.7E+07	11268073
406.1999	690479.8	-67.2402	31.60896	7128331	-1.7E+07	11266033
406.3999	690782.1	-67.2322	31.60208	7131301	-1.7E+07	11263990
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406.7999	691386.9	-67.2164	31.5883	7137250	-1.7E+07	11259896
406.9999	691689.2	-67.2085	31.5814	7140228	-1.7E+07	11257845
407.1999	691991.5	-67.2005	31.57449	7143210	-1.7E+07	11255791
407.3999	692293.8	-67.1926	31.56757	7146195	-1.7E+07	11253734
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407.7999	692898.3	-67.1767	31.55371	7152175	-1.7E+07	11249611
407.9999	693200.4	-67.1687	31.54677	7155169	-1.7E+07	11247546
408.1999	693502.6	-67.1607	31.53982	7158166	-1.7E+07	11245477
408.3999	693804.6	-67.1527	31.53286	7161166	-1.7E+07	11243405
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408.7999	694408.6	-67.1367	31.51891	7167176	-1.7E+07	11239253
408.9999	694710.5	-67.1287	31.51193	7170186	-1.7E+07	11237173
409.1999	695012.3	-67.1207	31.50494	7173199	-1.7E+07	11235089
409.3999	695314	-67.1127	31.49793	7176214	-1.7E+07	11233003
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409.7999	695917.2	-67.0966	31.4839	7182255	-1.7E+07	11228821
409.9999	696218.7	-67.0885	31.47688	7185280	-1.7E+07	11226725
410.1999	696520	-67.0805	31.46984	7188308	-1.7E+07	11224626
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410.7999	697423.4	-67.0563	31.44868	7197411	-1.7E+07	11218313
410.9999	697724.3	-67.0482	31.44161	7200452	-1.7E+07	11216202
411.1999	698025	-67.0401	31.43453	7203496	-1.7E+07	11214088
411.3999	698325.7	-67.032	31.42745	7206543	-1.7E+07	11211971
411.5999	698626.1	-67.0239	31.42035	7209593	-1.7E+07	11209851
411.7999	698926.5	-67.0158	31.41324	7212646	-1.7E+07	11207728
411.9999	699226.7	-67.0076	31.40613	7215702	-1.7E+07	11205602
412.1999	699526.7	-66.9995	31.39901	7218762	-1.7E+07	11203473
412.3999	699826.5	-66.9914	31.39188	7221824	-1.7E+07	11201341
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412.7999	700425.7	-66.975	31.37759	7227959	-1.7E+07	11197066
412.9999	700725	-66.9669	31.37043	7231031	-1.7E+07	11194924
413.1999	701024.1	-66.9587	31.36327	7234106	-1.7E+07	11192780
413.3999	701323.1	-66.9505	31.35609	7237185	-1.7E+07	11190631
413.5999	701621.8	-66.9423	31.34891	7240266	-1.7E+07	11188480
413.7999	701920.3	-66.9341	31.34171	7243351	-1.7E+07	11186326
413.9999	702218.6	-66.9259	31.33451	7246439	-1.7E+07	11184168
414.1999	702516.7	-66.9177	31.3273	7249530	-1.7E+07	11182007
414.3999	702814.5	-66.9095	31.32008	7252624	-1.7E+07	11179843
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414.7999	703409.5	-66.893	31.30562	7258822	-1.7E+07	11175505
414.9999	703706.6	-66.8848	31.29837	7261926	-1.7E+07	11173331
415.1999	704003.5	-66.8765	31.29112	7265033	-1.7E+07	11171154

415.3999	704300.1	-66.8683	31.28385	7268143	-1.7E+07	11168974
415.5999	704596.4	-66.86	31.27658	7271257	-1.7E+07	11166790
415.7999	704892.5	-66.8517	31.2693	7274373	-1.7E+07	11164603
415.9999	705188.3	-66.8434	31.26201	7277493	-1.7E+07	11162413
416.1999	705483.8	-66.8351	31.25471	7280616	-1.7E+07	11160220
416.3999	705779	-66.8268	31.2474	7283742	-1.7E+07	11158023
416.5999	706073.9	-66.8185	31.24008	7286872	-1.7E+07	11155823
416.7999	706368.4	-66.8102	31.23275	7290004	-1.7E+07	11153620
416.9999	706662.7	-66.8019	31.22542	7293140	-1.7E+07	11151413
417.1999	706956.6	-66.7935	31.21807	7296279	-1.7E+07	11149203
417.3999	707250.2	-66.7852	31.21072	7299421	-1.7E+07	11146990
417.5999	707543.5	-66.7768	31.20336	7302566	-1.7E+07	11144773
417.7999	707836.4	-66.7685	31.19598	7305715	-1.7E+07	11142553
417.9999	708128.9	-66.7601	31.1886	7308867	-1.7E+07	11140330
418.1999	708421.1	-66.7517	31.18121	7312021	-1.7E+07	11138103
418.3999	708713	-66.7434	31.17381	7315180	-1.7E+07	11135873
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418.7999	709295.5	-66.7266	31.15898	7321506	-1.7E+07	11131402
418.9999	709586.2	-66.7182	31.15156	7324673	-1.7E+07	11129162
419.1999	709876.4	-66.7097	31.14412	7327844	-1.7E+07	11126918
419.3999	710166.3	-66.7013	31.13667	7331019	-1.7E+07	11124671
419.5999	710455.8	-66.6929	31.12922	7334196	-1.7E+07	11122421
419.7999	710744.8	-66.6844	31.12176	7337377	-1.7E+07	11120166
419.9999	711033.4	-66.676	31.11428	7340560	-1.7E+07	11117909
420.1999	711321.6	-66.6675	31.1068	7343747	-1.7E+07	11115648
420.3999	711609.3	-66.6591	31.09931	7346938	-1.7E+07	11113384
420.5999	711896.6	-66.6506	31.09181	7350131	-1.7E+07	11111116
420.7999	712183.5	-66.6421	31.0843	7353328	-1.7E+07	11108844
420.9999	712469.8	-66.6336	31.07678	7356528	-1.7E+07	11106570
421.1999	712755.7	-66.6251	31.06925	7359731	-1.7E+07	11104291
421.3999	713041.2	-66.6166	31.06171	7362937	-1.7E+07	11102009
421.5999	713326.1	-66.6081	31.05416	7366147	-1.7E+07	11099724
421.7999	713610.6	-66.5996	31.04661	7369360	-1.7E+07	11097435
421.9999	713894.5	-66.591	31.03904	7372575	-1.7E+07	11095143
422.1999	714178	-66.5825	31.03146	7375795	-1.7E+07	11092847
422.3999	714460.9	-66.5739	31.02388	7379017	-1.7E+07	11090548
422.5999	714743.3	-66.5654	31.01628	7382243	-1.7E+07	11088245
422.7999	715025.2	-66.5568	31.00868	7385471	-1.7E+07	11085938
422.9999	715306.6	-66.5482	31.00107	7388703	-1.7E+07	11083628
423.1999	715587.4	-66.5396	30.99345	7391939	-1.7E+07	11081315
423.3999	715867.6	-66.5311	30.98581	7395177	-1.7E+07	11078997
423.5999	716147.3	-66.5225	30.97817	7398419	-1.7E+07	11076677
423.7999	716426.5	-66.5139	30.97052	7401663	-1.7E+07	11074352
423.9999	716705	-66.5052	30.96286	7404911	-1.7E+07	11072024
424.1999	716983	-66.4966	30.95519	7408163	-1.7E+07	11069693
424.3999	717260.4	-66.488	30.94751	7411417	-1.7E+07	11067358
424.5999	717537.2	-66.4793	30.93983	7414675	-1.7E+07	11065019

424.7999	717813.4	-66.4707	30.93213	7417935	-1.7E+07	11062677
424.9999	718088.9	-66.462	30.92442	7421199	-1.7E+07	11060331
425.1999	718363.9	-66.4534	30.91671	7424466	-1.7E+07	11057981
425.3999	718638.2	-66.4447	30.90898	7427737	-1.7E+07	11055628
425.5999	718911.9	-66.436	30.90124	7431010	-1.7E+07	11053271
425.7999	719185	-66.4273	30.8935	7434287	-1.7E+07	11050911
425.9999	719457.4	-66.4186	30.88574	7437567	-1.7E+07	11048546
426.1999	719729.1	-66.4099	30.87798	7440850	-1.7E+07	11046179
426.3999	720000.2	-66.4012	30.87021	7444136	-1.7E+07	11043807
426.5999	720270.6	-66.3925	30.86243	7447425	-1.7E+07	11041432
426.7999	720540.3	-66.3837	30.85463	7450718	-1.7E+07	11039053
426.9999	720809.4	-66.375	30.84683	7454013	-1.7E+07	11036671
427.1999	721077.7	-66.3662	30.83902	7457312	-1.7E+07	11034285
427.3999	721345.4	-66.3575	30.8312	7460614	-1.7E+07	11031895
427.5999	721612.3	-66.3487	30.82337	7463919	-1.7E+07	11029501
427.7999	721878.5	-66.3399	30.81553	7467227	-1.7E+07	11027104
427.9999	722144	-66.3312	30.80768	7470539	-1.7E+07	11024703
428.1999	722408.8	-66.3224	30.79982	7473853	-1.7E+07	11022299
428.3999	722672.8	-66.3136	30.79196	7477171	-1.7E+07	11019890
428.5999	722936.1	-66.3048	30.78408	7480491	-1.7E+07	11017478
428.7999	723198.6	-66.2959	30.77619	7483815	-1.7E+07	11015063
428.9999	723460.3	-66.2871	30.7683	7487142	-1.7E+07	11012643
429.1999	723721.3	-66.2783	30.76039	7490472	-1.7E+07	11010220
429.3999	723981.5	-66.2694	30.75248	7493805	-1.7E+07	11007793
429.5999	724240.9	-66.2606	30.74455	7497141	-1.7E+07	11005363
429.7999	724499.6	-66.2517	30.73662	7500481	-1.7E+07	11002928
429.9999	724757.4	-66.2429	30.72867	7503823	-1.7E+07	11000490
430.1999	725014.4	-66.234	30.72072	7507168	-1.7E+07	10998048
430.3999	725270.6	-66.2251	30.71276	7510517	-1.7E+07	10995603
430.5999	725526	-66.2162	30.70479	7513869	-1.7E+07	10993153
430.7999	725780.5	-66.2073	30.69681	7517223	-1.7E+07	10990700
430.9999	726034.2	-66.1984	30.68882	7520581	-1.7E+07	10988243
431.1999	726287.1	-66.1895	30.68082	7523942	-1.7E+07	10985783
431.3999	726539.1	-66.1806	30.67281	7527306	-1.7E+07	10983319
431.5999	726790.3	-66.1717	30.66479	7530673	-1.7E+07	10980850
431.7999	727040.6	-66.1627	30.65676	7534042	-1.7E+07	10978378
431.9999	727290	-66.1538	30.64872	7537415	-1.7E+07	10975903
432.1999	727538.5	-66.1448	30.64067	7540791	-1.7E+07	10973423
432.3999	727786.1	-66.1359	30.63262	7544170	-1.7E+07	10970940
432.5999	728032.9	-66.1269	30.62455	7547552	-1.7E+07	10968453
432.7999	728278.7	-66.1179	30.61647	7550937	-1.7E+07	10965962
432.9999	728523.7	-66.1089	30.60839	7554325	-1.7E+07	10963468
433.1999	728767.7	-66.0999	30.60029	7557716	-1.7E+07	10960969
433.3999	729010.8	-66.0909	30.59219	7561110	-1.7E+07	10958467
433.5999	729252.9	-66.0819	30.58408	7564507	-1.7E+07	10955961
433.7999	729494.1	-66.0729	30.57596	7567907	-1.7E+07	10953451
433.9999	729734.4	-66.0639	30.56782	7571310	-1.7E+07	10950938

434.1999	729973.7	-66.0548	30.55968	7574715	-1.7E+07	10948420
434.3999	730212.1	-66.0458	30.55153	7578124	-1.7E+07	10945899
434.5999	730449.5	-66.0367	30.54337	7581536	-1.7E+07	10943374
434.7999	730685.9	-66.0277	30.5352	7584950	-1.7E+07	10940845
434.9999	730921.3	-66.0186	30.52702	7588368	-1.7E+07	10938313
435.1999	731155.7	-66.0095	30.51883	7591788	-1.7E+07	10935776
435.3999	731389.1	-66.0005	30.51064	7595212	-1.7E+07	10933236
435.5999	731621.5	-65.9914	30.50243	7598638	-1.7E+07	10930692
435.7999	731852.9	-65.9823	30.49421	7602067	-1.7E+07	10928144
435.9999	732083.3	-65.9732	30.48599	7605499	-1.7E+07	10925593
436.1999	732312.7	-65.964	30.47775	7608934	-1.7E+07	10923037
436.3999	732541	-65.9549	30.46951	7612372	-1.7E+07	10920478
436.5999	732768.2	-65.9458	30.46126	7615813	-1.7E+07	10917914
436.7999	732994.5	-65.9367	30.45299	7619256	-1.7E+07	10915347
436.9999	733219.7	-65.9275	30.44472	7622702	-1.7E+07	10912777
437.1999	733443.8	-65.9184	30.43644	7626152	-1.7E+07	10910202
437.3999	733666.8	-65.9092	30.42815	7629604	-1.7E+07	10907624
437.5999	733888.8	-65.9	30.41985	7633058	-1.7E+07	10905041
437.7999	734109.7	-65.8908	30.41154	7636516	-1.7E+07	10902455
437.9999	734329.5	-65.8817	30.40322	7639977	-1.7E+07	10899865
438.1999	734548.2	-65.8725	30.3949	7643440	-1.7E+07	10897271
438.3999	734765.8	-65.8633	30.38656	7646906	-1.7E+07	10894674
438.5999	734982.3	-65.8541	30.37821	7650375	-1.7E+07	10892072
438.7999	735197.7	-65.8448	30.36986	7653846	-1.7E+07	10889467
438.9999	735412	-65.8356	30.36149	7657320	-1.7E+07	10886858
439.1999	735625.1	-65.8264	30.35312	7660797	-1.7E+07	10884245
439.3999	735837.1	-65.8172	30.34474	7664277	-1.7E+07	10881628
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439.7999	736257.8	-65.7987	30.32795	7671245	-1.7E+07	10876383
439.9999	736466.4	-65.7894	30.31954	7674733	-1.7E+07	10873755
440.1999	736673.8	-65.7801	30.31112	7678223	-1.7E+07	10871123
440.3999	736880.1	-65.7709	30.30269	7681717	-1.7E+07	10868487
440.5999	737085.2	-65.7616	30.29425	7685213	-1.7E+07	10865847
440.7999	737289.2	-65.7523	30.28581	7688711	-1.7E+07	10863204
440.9999	737492	-65.743	30.27735	7692213	-1.7E+07	10860557
441.1999	737693.6	-65.7337	30.26889	7695716	-1.7E+07	10857905
441.3999	737894	-65.7244	30.26041	7699223	-1.7E+07	10855250
441.5999	738093.2	-65.7151	30.25193	7702732	-1.7E+07	10852592
441.7999	738291.2	-65.7057	30.24344	7706244	-1.7E+07	10849929
441.9999	738488	-65.6964	30.23494	7709758	-1.7E+07	10847263
442.1999	738683.6	-65.6871	30.22643	7713275	-1.7E+07	10844593
442.3999	738878	-65.6777	30.21791	7716795	-1.7E+07	10841919
442.5999	739071.2	-65.6684	30.20939	7720317	-1.7E+07	10839241
442.7999	739263.1	-65.659	30.20085	7723842	-1.7E+07	10836559
442.9999	739453.8	-65.6496	30.1923	7727369	-1.7E+07	10833874
443.1999	739643.3	-65.6402	30.18375	7730899	-1.7E+07	10831185
443.3999	739831.5	-65.6309	30.17519	7734431	-1.7E+07	10828492

443.5999	740018.5	-65.6215	30.16662	7737966	-1.7E+07	10825795
443.7999	740204.2	-65.6121	30.15804	7741503	-1.7E+07	10823094
443.9999	740388.6	-65.6027	30.14945	7745043	-1.7E+07	10820390
444.1999	740571.8	-65.5933	30.14085	7748585	-1.7E+07	10817682
444.3999	740753.7	-65.5838	30.13224	7752130	-1.7E+07	10814970
444.5999	740934.4	-65.5744	30.12363	7755677	-1.7E+07	10812254
444.7999	741113.7	-65.565	30.115	7759226	-1.7E+07	10809534
444.9999	741291.8	-65.5555	30.10637	7762778	-1.7E+07	10806811
445.1999	741468.6	-65.5461	30.09773	7766333	-1.7E+07	10804084
445.3999	741644.1	-65.5366	30.08908	7769890	-1.7E+07	10801353
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445.7999	741991.1	-65.5177	30.07175	7777010	-1.7E+07	10795881
445.9999	742162.7	-65.5082	30.06308	7780574	-1.7E+07	10793139
446.1999	742332.9	-65.4988	30.05439	7784141	-1.7E+07	10790393
446.3999	742501.8	-65.4893	30.0457	7787709	-1.7E+07	10787643
446.5999	742669.4	-65.4798	30.037	7791280	-1.7E+07	10784890
446.7999	742835.7	-65.4703	30.02829	7794853	-1.7E+07	10782133
446.9999	743000.6	-65.4608	30.01957	7798429	-1.7E+07	10779372
447.1999	743164.2	-65.4513	30.01084	7802007	-1.7E+07	10776608
447.3999	743326.4	-65.4417	30.00211	7805587	-1.7E+07	10773840
447.5999	743487.3	-65.4322	29.99337	7809169	-1.7E+07	10771068
447.7999	743646.8	-65.4227	29.98461	7812754	-1.7E+07	10768292
447.9999	743805	-65.4132	29.97585	7816340	-1.7E+07	10765513
448.1999	743961.8	-65.4036	29.96708	7819929	-1.7E+07	10762730
448.3999	744117.3	-65.3941	29.95831	7823520	-1.7E+07	10759943
448.5999	744271.4	-65.3845	29.94952	7827114	-1.7E+07	10757153
448.7999	744424.1	-65.3749	29.94073	7830709	-1.7E+07	10754359
448.9999	744575.5	-65.3654	29.93192	7834307	-1.7E+07	10751561
449.1999	744725.5	-65.3558	29.92311	7837907	-1.7E+07	10748760
449.3999	744874.1	-65.3462	29.9143	7841509	-1.7E+07	10745955
449.5999	745021.3	-65.3366	29.90547	7845113	-1.7E+07	10743146
449.7999	745167.1	-65.327	29.89663	7848719	-1.7E+07	10740334
449.9999	745311.5	-65.3174	29.88779	7852328	-1.7E+07	10737518
450.1999	745454.6	-65.3078	29.87894	7855938	-1.7E+07	10734698
450.3999	745596.3	-65.2982	29.87008	7859551	-1.7E+07	10731875
450.5999	745736.5	-65.2886	29.86121	7863165	-1.7E+07	10729048
450.7999	745875.4	-65.279	29.85234	7866782	-1.7E+07	10726218
450.9999	746012.9	-65.2693	29.84345	7870400	-1.7E+07	10723383
451.1999	746148.9	-65.2597	29.83456	7874021	-1.7E+07	10720546
451.3999	746283.6	-65.2501	29.82566	7877644	-1.7E+07	10717704
451.5999	746416.8	-65.2404	29.81675	7881269	-1.7E+07	10714859
451.7999	746548.7	-65.2307	29.80784	7884895	-1.7E+07	10712011
451.9999	746679.1	-65.2211	29.79891	7888524	-1.7E+07	10709159
452.1999	746808.1	-65.2114	29.78998	7892155	-1.7E+07	10706303
452.3999	746935.7	-65.2018	29.78104	7895787	-1.7E+07	10703444
452.5999	747061.9	-65.1921	29.7721	7899422	-1.7E+07	10700581
452.7999	747186.7	-65.1824	29.76314	7903058	-1.7E+07	10697714

452.9999	747310	-65.1727	29.75418	7906696	-1.7E+07	10694844
453.1999	747431.9	-65.163	29.74521	7910337	-1.7E+07	10691971
453.3999	747552.4	-65.1533	29.73623	7913979	-1.7E+07	10689094
453.5999	747671.5	-65.1436	29.72724	7917623	-1.7E+07	10686213
453.7999	747789.2	-65.1339	29.71825	7921268	-1.7E+07	10683329
453.9999	747905.4	-65.1242	29.70925	7924916	-1.7E+07	10680442
454.1999	748020.2	-65.1145	29.70024	7928566	-1.7E+07	10677551
454.3999	748133.6	-65.1047	29.69122	7932217	-1.7E+07	10674656
454.5999	748245.5	-65.095	29.6822	7935870	-1.7E+07	10671758
454.7999	748356.1	-65.0853	29.67317	7939525	-1.7E+07	10668856
454.9999	748465.1	-65.0755	29.66413	7943181	-1.7E+07	10665951
455.1999	748572.8	-65.0658	29.65508	7946840	-1.7E+07	10663043
455.3999	748679	-65.056	29.64603	7950500	-1.7E+07	10660131
455.5999	748783.8	-65.0463	29.63696	7954162	-1.7E+07	10657216
455.7999	748887.2	-65.0365	29.62789	7957825	-1.7E+07	10654297
455.9999	748989.1	-65.0267	29.61882	7961491	-1.7E+07	10651375
456.1999	749089.6	-65.017	29.60973	7965158	-1.7E+07	10648449
456.3999	749188.6	-65.0072	29.60064	7968827	-1.7E+07	10645520
456.5999	749286.3	-64.9974	29.59154	7972497	-1.7E+07	10642587
456.7999	749382.4	-64.9876	29.58244	7976169	-1.7E+07	10639651
456.9999	749477.2	-64.9778	29.57332	7979843	-1.7E+07	10636712
457.1999	749570.5	-64.968	29.5642	7983518	-1.7E+07	10633769
457.3999	749662.3	-64.9582	29.55507	7987195	-1.7E+07	10630823
457.5999	749752.8	-64.9484	29.54594	7990873	-1.7E+07	10627874
457.7999	749841.8	-64.9386	29.5368	7994553	-1.7E+07	10624921
457.9999	749929.3	-64.9288	29.52765	7998235	-1.7E+07	10621965
458.1999	750015.4	-64.9189	29.51849	8001918	-1.7E+07	10619006
458.3999	750100.1	-64.9091	29.50933	8005603	-1.7E+07	10616043
458.5999	750183.4	-64.8993	29.50016	8009289	-1.7E+07	10613077
458.7999	750265.2	-64.8895	29.49098	8012977	-1.7E+07	10610108
458.9999	750345.5	-64.8796	29.48179	8016666	-1.7E+07	10607135
459.1999	750424.5	-64.8698	29.4726	8020357	-1.7E+07	10604159
459.3999	750501.9	-64.8599	29.4634	8024049	-1.7E+07	10601180
459.5999	750577.9	-64.8501	29.4542	8027743	-1.7E+07	10598197
459.7999	750652.5	-64.8402	29.44499	8031438	-1.7E+07	10595212
459.9999	750725.6	-64.8303	29.43577	8035134	-1.7E+07	10592223
460.1999	750797.1	-64.8205	29.42654	8038832	-1.7E+07	10589230
460.3999	750867.3	-64.8106	29.41731	8042531	-1.7E+07	10586235
460.5999	750935.9	-64.8007	29.40807	8046232	-1.7E+07	10583236
460.7999	751003	-64.7908	29.39882	8049933	-1.7E+07	10580235
460.9999	751068.7	-64.781	29.38957	8053637	-1.7E+07	10577230
461.1999	751132.9	-64.7711	29.38031	8057341	-1.7E+07	10574222
461.3999	751195.6	-64.7612	29.37105	8061047	-1.7E+07	10571210
461.5999	751256.9	-64.7513	29.36177	8064754	-1.7E+07	10568196
461.7999	751316.6	-64.7414	29.3525	8068462	-1.7E+07	10565178
461.9999	751375	-64.7315	29.34321	8072171	-1.7E+07	10562158
462.1999	751431.8	-64.7216	29.33392	8075882	-1.7E+07	10559134

462.3999	751487.2	-64.7117	29.32462	8079594	-1.7E+07	10556107
462.5999	751541.1	-64.7018	29.31532	8083307	-1.7E+07	10553077
462.7999	751593.6	-64.6918	29.30601	8087021	-1.7E+07	10550044
462.9999	751644.6	-64.6819	29.29669	8090736	-1.7E+07	10547008
463.1999	751694.3	-64.672	29.28737	8094453	-1.7E+07	10543968
463.3999	751742.4	-64.6621	29.27804	8098170	-1.7E+07	10540926
463.5999	751789.2	-64.6521	29.2687	8101889	-1.7E+07	10537881
463.7999	751834.6	-64.6422	29.25936	8105609	-1.7E+07	10534833
463.9999	751878.5	-64.6322	29.25001	8109330	-1.7E+07	10531782
464.1999	751921.1	-64.6223	29.24066	8113052	-1.7E+07	10528727
464.3999	751962.3	-64.6123	29.2313	8116776	-1.7E+07	10525670
464.5999	752002.1	-64.6024	29.22194	8120500	-1.7E+07	10522610
464.7999	752040.5	-64.5924	29.21256	8124225	-1.7E+07	10519547
464.9999	752077.6	-64.5825	29.20319	8127952	-1.7E+07	10516481
465.1999	752113.3	-64.5725	29.1938	8131680	-1.7E+07	10513412
465.3999	752147.7	-64.5626	29.18441	8135408	-1.7E+07	10510341
465.5999	752180.8	-64.5526	29.17502	8139138	-1.7E+07	10507266
465.7999	752212.5	-64.5426	29.16562	8142868	-1.7E+07	10504189
465.9999	752242.9	-64.5326	29.15621	8146600	-1.7E+07	10501108
466.1999	752272.1	-64.5227	29.1468	8150333	-1.7E+07	10498025
466.3999	752299.9	-64.5127	29.13738	8154066	-1.7E+07	10494939
466.5999	752326.5	-64.5027	29.12795	8157801	-1.7E+07	10491851
466.7999	752351.8	-64.4927	29.11852	8161537	-1.7E+07	10488759
466.9999	752375.8	-64.4827	29.10909	8165273	-1.7E+07	10485665
467.1999	752398.6	-64.4727	29.09965	8169011	-1.7E+07	10482568
467.3999	752420.2	-64.4627	29.0902	8172749	-1.7E+07	10479468
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467.7999	752459.6	-64.4427	29.07129	8180229	-1.7E+07	10473260
467.9999	752477.5	-64.4327	29.06182	8183970	-1.7E+07	10470153
468.1999	752494.2	-64.4227	29.05235	8187712	-1.7E+07	10467042
468.3999	752509.7	-64.4127	29.04288	8191455	-1.7E+07	10463929
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468.7999	752537.3	-64.3927	29.02392	8198944	-1.7E+07	10457695
468.9999	752549.3	-64.3827	29.01442	8202690	-1.7E+07	10454574
469.1999	752560.2	-64.3726	29.00493	8206436	-1.7E+07	10451450
469.3999	752570	-64.3626	28.99543	8210184	-1.7E+07	10448324
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469.7999	752586.2	-64.3426	28.97641	8217681	-1.7E+07	10442064
469.9999	752592.6	-64.3325	28.96689	8221430	-1.7E+07	10438930
470.1999	752598	-64.3225	28.95737	8225181	-1.7E+07	10435793
470.3999	752602.2	-64.3125	28.94784	8228933	-1.7E+07	10432655
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470.7999	752607.6	-64.2924	28.92877	8236438	-1.7E+07	10426369
470.9999	752608.7	-64.2823	28.91923	8240191	-1.7E+07	10423223
471.1999	752608.8	-64.2723	28.90968	8243946	-1.7E+07	10420075
471.3999	752607.9	-64.2622	28.90013	8247701	-1.7E+07	10416924
471.5999	752606.1	-64.2522	28.89057	8251457	-1.7E+07	10413770

471.7999	752603.4	-64.2421	28.88101	8255213	-1.7E+07	10410615
471.9999	752599.8	-64.2321	28.87145	8258970	-1.7E+07	10407457
472.1999	752595.4	-64.222	28.86188	8262727	-1.7E+07	10404298
472.3999	752590.3	-64.212	28.8523	8266485	-1.7E+07	10401136
472.5999	752584.8	-64.2019	28.84273	8270243	-1.7E+07	10397973
472.7999	752578.8	-64.1919	28.83315	8274001	-1.7E+07	10394809
472.9999	752572.6	-64.1818	28.82357	8277758	-1.7E+07	10391644
473.1999	752566.2	-64.1718	28.81399	8281516	-1.7E+07	10388478
473.3999	752559.7	-64.1617	28.8044	8285273	-1.7E+07	10385311
473.5999	752553.2	-64.1517	28.79482	8289030	-1.7E+07	10382143
473.7999	752546.6	-64.1416	28.78523	8292786	-1.7E+07	10378975
473.9999	752540.1	-64.1316	28.77565	8296542	-1.7E+07	10375806
474.1999	752533.4	-64.1215	28.76606	8300298	-1.7E+07	10372637
474.3999	752526.8	-64.1115	28.75647	8304053	-1.7E+07	10369467
474.5999	752520.1	-64.1014	28.74688	8307807	-1.7E+07	10366296
474.7999	752513.5	-64.0914	28.73729	8311561	-1.7E+07	10363125
474.9999	752506.8	-64.0814	28.7277	8315315	-1.7E+07	10359953
475.1999	752500.1	-64.0713	28.71811	8319068	-1.7E+07	10356780
475.3999	752493.4	-64.0613	28.70851	8322821	-1.7E+07	10353607
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475.7999	752480	-64.0412	28.68932	8330326	-1.7E+07	10347259
475.9999	752473.3	-64.0312	28.67973	8334077	-1.7E+07	10344084
476.1999	752466.5	-64.0212	28.67013	8337828	-1.7E+07	10340908
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476.7999	752446.3	-63.9911	28.64133	8349079	-1.7E+07	10331378
476.9999	752439.5	-63.9811	28.63173	8352828	-1.7E+07	10328200
477.1999	752432.8	-63.9711	28.62213	8356577	-1.7E+07	10325022
477.3999	752426	-63.9611	28.61253	8360325	-1.7E+07	10321843
477.5999	752419.2	-63.9511	28.60292	8364073	-1.7E+07	10318663
477.7999	752412.4	-63.9411	28.59332	8367820	-1.7E+07	10315483
477.9999	752405.6	-63.9311	28.58371	8371567	-1.7E+07	10312302
478.1999	752398.8	-63.9211	28.57411	8375314	-1.7E+07	10309120
478.3999	752392	-63.9111	28.5645	8379060	-1.7E+07	10305938
478.5999	752385.2	-63.9011	28.55489	8382806	-1.7E+07	10302755
478.7999	752378.4	-63.8911	28.54528	8386551	-1.7E+07	10299572
478.9999	752371.6	-63.8811	28.53567	8390296	-1.7E+07	10296388
479.1999	752364.8	-63.8711	28.52606	8394040	-1.7E+07	10293204
479.3999	752357.9	-63.8611	28.51645	8397784	-1.7E+07	10290019
479.5999	752351.1	-63.8511	28.50683	8401527	-1.7E+07	10286833
479.7999	752344.3	-63.8411	28.49722	8405270	-1.7E+07	10283647
479.9999	752337.4	-63.8311	28.4876	8409013	-1.7E+07	10280460
480.1999	752330.6	-63.8211	28.47799	8412755	-1.7E+07	10277273
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480.7999	752310.1	-63.7912	28.44914	8423978	-1.7E+07	10267707
480.9999	752303.2	-63.7812	28.43952	8427718	-1.7E+07	10264517

481.1999	752296.3	-63.7712	28.4299	8431458	-1.7E+07	10261327
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481.7999	752275.8	-63.7413	28.40103	8442675	-1.7E+07	10251752
481.9999	752268.9	-63.7313	28.39141	8446412	-1.7E+07	10248560
482.1999	752262	-63.7214	28.38178	8450150	-1.7E+07	10245367
482.3999	752255.2	-63.7114	28.37216	8453887	-1.7E+07	10242173
482.5999	752248.3	-63.7014	28.36253	8457623	-1.7E+07	10238978
482.7999	752241.4	-63.6915	28.3529	8461359	-1.7E+07	10235783
482.9999	752234.6	-63.6815	28.34327	8465095	-1.7E+07	10232588
483.1999	752227.7	-63.6715	28.33364	8468830	-1.7E+07	10229392
483.3999	752220.8	-63.6616	28.32401	8472565	-1.7E+07	10226195
483.5999	752214	-63.6516	28.31438	8476299	-1.7E+07	10222998
483.7999	752207.1	-63.6417	28.30475	8480033	-1.7E+07	10219800
483.9999	752200.2	-63.6317	28.29512	8483766	-1.7E+07	10216601
484.1999	752193.3	-63.6218	28.28548	8487499	-1.7E+07	10213402
484.3999	752186.5	-63.6118	28.27585	8491231	-1.7E+07	10210202
484.5999	752179.6	-63.6019	28.26621	8494963	-1.7E+07	10207002
484.7999	752172.7	-63.592	28.25658	8498695	-1.7E+07	10203801
484.9999	752165.8	-63.582	28.24694	8502426	-1.7E+07	10200600
485.1999	752158.9	-63.5721	28.2373	8506156	-1.7E+07	10197398
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485.5999	752145.1	-63.5522	28.21802	8513616	-1.7E+07	10190992
485.7999	752138.3	-63.5423	28.20838	8517345	-1.7E+07	10187789
485.9999	752131.4	-63.5323	28.19874	8521074	-1.7E+07	10184585
486.1999	752124.5	-63.5224	28.1891	8524802	-1.7E+07	10181380
486.3999	752117.6	-63.5125	28.17945	8528530	-1.7E+07	10178174
486.5999	752110.7	-63.5026	28.16981	8532257	-1.7E+07	10174968
486.7999	752103.8	-63.4926	28.16016	8535984	-1.7E+07	10171762
486.9999	752096.8	-63.4827	28.15052	8539710	-1.7E+07	10168555
487.1999	752089.9	-63.4728	28.14087	8543436	-1.7E+07	10165347
487.3999	752083	-63.4629	28.13122	8547161	-1.7E+07	10162139
487.5999	752076.1	-63.453	28.12157	8550886	-1.7E+07	10158930
487.7999	752069.2	-63.4431	28.11192	8554610	-1.7E+07	10155720
487.9999	752062.3	-63.4331	28.10227	8558334	-1.7E+07	10152510
488.1999	752055.4	-63.4232	28.09262	8562058	-1.7E+07	10149300
488.3999	752048.5	-63.4133	28.08297	8565781	-1.7E+07	10146088
488.5999	752041.6	-63.4034	28.07332	8569504	-1.7E+07	10142877
488.7999	752034.7	-63.3935	28.06366	8573226	-1.7E+07	10139664
488.9999	752027.8	-63.3836	28.05401	8576947	-1.7E+07	10136451
489.1999	752021	-63.3737	28.04435	8580669	-1.7E+07	10133238
489.3999	752014.1	-63.3638	28.03469	8584389	-1.7E+07	10130024
489.5999	752007.2	-63.3539	28.02504	8588109	-1.7E+07	10126809
489.7999	752000.3	-63.344	28.01538	8591829	-1.7E+07	10123594
489.9999	751993.4	-63.3341	28.00572	8595549	-1.7E+07	10120378
490.1999	751986.5	-63.3242	27.99606	8599267	-1.7E+07	10117162
490.3999	751979.6	-63.3143	27.9864	8602986	-1.7E+07	10113945

490.5999	751972.7	-63.3045	27.97673	8606704	-1.7E+07	10110728
490.7999	751965.9	-63.2946	27.96707	8610421	-1.7E+07	10107510
490.9999	751959	-63.2847	27.95741	8614138	-1.7E+07	10104291
491.1999	751952.1	-63.2748	27.94774	8617855	-1.7E+07	10101072
491.3999	751945.2	-63.2649	27.93808	8621571	-1.7E+07	10097852
491.5999	751938.4	-63.2551	27.92841	8625286	-1.7E+07	10094632
491.7999	751931.5	-63.2452	27.91874	8629001	-1.7E+07	10091411
491.9999	751924.6	-63.2353	27.90908	8632716	-1.7E+07	10088190
492.1999	751917.8	-63.2254	27.89941	8636430	-1.7E+07	10084968
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492.5999	751904	-63.2057	27.88007	8643857	-1.7E+07	10078522
492.7999	751897.2	-63.1958	27.8704	8647570	-1.7E+07	10075298
492.9999	751890.3	-63.186	27.86072	8651282	-1.7E+07	10072074
493.1999	751883.5	-63.1761	27.85105	8654994	-1.7E+07	10068849
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493.7999	751863	-63.1465	27.82202	8666126	-1.7E+07	10059171
493.9999	751856.1	-63.1367	27.81235	8669836	-1.7E+07	10055944
494.1999	751849.3	-63.1268	27.80267	8673546	-1.7E+07	10052716
494.3999	751842.5	-63.117	27.79299	8677254	-1.7E+07	10049488
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494.7999	751828.8	-63.0973	27.77363	8684671	-1.7E+07	10043030
494.9999	751822	-63.0874	27.76395	8688378	-1.7E+07	10039800
495.1999	751815.2	-63.0776	27.75427	8692086	-1.7E+07	10036569
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495.7999	751794.7	-63.0481	27.72522	8703204	-1.7E+07	10026874
495.9999	751787.9	-63.0382	27.71553	8706909	-1.7E+07	10023641
496.1999	751781.1	-63.0284	27.70585	8710614	-1.7E+07	10020408
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496.9999	751754	-62.9891	27.66709	8725428	-1.7E+07	10007469
497.1999	751747.2	-62.9792	27.6574	8729130	-1.7E+07	10004233
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497.7999	751726.9	-62.9498	27.62833	8740234	-1.7E+07	9994521
497.9999	751720.1	-62.94	27.61863	8743934	-1.7E+07	9991282
498.1999	751713.4	-62.9301	27.60894	8747634	-1.7E+07	9988043
498.3999	751706.6	-62.9203	27.59924	8751334	-1.7E+07	9984804
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498.7999	751693.1	-62.9007	27.57985	8758731	-1.7E+07	9978323
498.9999	751686.4	-62.8909	27.57015	8762429	-1.7E+07	9975082
499.1999	751679.7	-62.8811	27.56045	8766127	-1.7E+07	9971840
499.3999	751672.9	-62.8713	27.55075	8769824	-1.7E+07	9968598
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499.7999	751659.5	-62.8517	27.53135	8777216	-1.7E+07	9962111

499.9999	751652.8	-62.8419	27.52165	8780912	-1.7E+07	9958867
500.1999	751646.1	-62.8321	27.51194	8784607	-1.7E+07	9955623
500.3999	751639.4	-62.8223	27.50224	8788302	-1.7E+07	9952378
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500.7999	751626	-62.8027	27.48283	8795690	-1.7E+07	9945886
500.9999	751619.3	-62.7929	27.47312	8799383	-1.7E+07	9942639
501.1999	751612.6	-62.7831	27.46341	8803076	-1.7E+07	9939392
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501.7999	751592.6	-62.7538	27.43429	8814151	-1.7E+07	9929646
501.9999	751585.9	-62.744	27.42458	8817842	-1.7E+07	9926396
502.1999	751579.3	-62.7342	27.41486	8821532	-1.7E+07	9923146
502.3999	751572.6	-62.7244	27.40515	8825222	-1.7E+07	9919896
502.5999	751566	-62.7146	27.39544	8828912	-1.7E+07	9916644
502.7999	751559.3	-62.7049	27.38572	8832601	-1.7E+07	9913393
502.9999	751552.7	-62.6951	27.37601	8836289	-1.7E+07	9910140
503.1999	751546	-62.6853	27.36629	8839977	-1.7E+07	9906887
503.3999	751539.4	-62.6756	27.35658	8843664	-1.7E+07	9903634
503.5999	751532.8	-62.6658	27.34686	8847351	-1.7E+07	9900380
503.7999	751526.2	-62.656	27.33714	8851038	-1.7E+07	9897125
503.9999	751519.6	-62.6463	27.32742	8854724	-1.7E+07	9893870
504.1999	751513	-62.6365	27.3177	8858409	-1.7E+07	9890614
504.2499	751511.3	-62.6341	27.31527	8859331	-1.7E+07	9889800
504.3999	751506.4	-62.6267	27.30798	8862094	-1.7E+07	9887358
504.4499	751504.7	-62.6243	27.30555	8863016	-1.7E+07	9886544
504.5999	751499.8	-62.617	27.29826	8865779	-1.7E+07	9884101
504.7999	751493.2	-62.6072	27.28854	8869463	-1.7E+07	9880844
504.9999	751486.6	-62.5975	27.27881	8873147	-1.7E+07	9877586
505.1999	751480.1	-62.5877	27.26909	8876830	-1.7E+07	9874327
505.3999	751473.5	-62.578	27.25937	8880512	-1.7E+07	9871068
505.5999	751467	-62.5682	27.24964	8884195	-1.7E+07	9867809
505.7999	751460.4	-62.5585	27.23991	8887876	-1.7E+07	9864549
505.9999	751453.9	-62.5487	27.23019	8891557	-1.7E+07	9861288
506.1999	751447.3	-62.539	27.22046	8895238	-1.7E+07	9858027
506.3999	751440.8	-62.5293	27.21073	8898918	-1.7E+07	9854765
506.5999	751434.3	-62.5195	27.201	8902598	-1.7E+07	9851502
506.7999	751427.8	-62.5098	27.19127	8906277	-1.7E+07	9848240
506.9999	751421.3	-62.5	27.18154	8909956	-1.7E+07	9844976
507.1999	751414.8	-62.4903	27.1718	8913634	-1.7E+07	9841712
507.3999	751408.3	-62.4806	27.16207	8917312	-1.7E+07	9838448
507.5999	751401.8	-62.4708	27.15234	8920990	-1.7E+07	9835183
507.7999	751395.3	-62.4611	27.1426	8924666	-1.7E+07	9831917
507.9999	751388.8	-62.4514	27.13287	8928343	-1.7E+07	9828651
508.1999	751382.4	-62.4417	27.12313	8932019	-1.7E+07	9825384
508.3999	751375.9	-62.4319	27.11339	8935694	-1.7E+07	9822117
508.5999	751369.5	-62.4222	27.10365	8939369	-1.7E+07	9818849
508.7999	751363	-62.4125	27.09392	8943043	-1.7E+07	9815580

508.9999	751356.6	-62.4028	27.08418	8946717	-1.7E+07	9812311
509.1999	751350.1	-62.3931	27.07444	8950391	-1.7E+07	9809042
509.3999	751343.7	-62.3834	27.06469	8954063	-1.7E+07	9805772
509.5999	751337.3	-62.3736	27.05495	8957736	-1.7E+07	9802501
509.7999	751330.9	-62.3639	27.04521	8961408	-1.7E+07	9799230
509.9999	751324.5	-62.3542	27.03547	8965079	-1.7E+07	9795958
510.1999	751318.1	-62.3445	27.02572	8968750	-1.7E+07	9792686
510.3999	751311.7	-62.3348	27.01598	8972421	-1.7E+07	9789413
510.5999	751305.3	-62.3251	27.00623	8976091	-1.7E+07	9786140
510.7999	751298.9	-62.3154	26.99648	8979760	-1.7E+07	9782866
510.9999	751292.5	-62.3057	26.98673	8983429	-1.7E+07	9779592
511.1999	751286.2	-62.296	26.97699	8987098	-1.7E+07	9776317
511.3999	751279.8	-62.2863	26.96724	8990766	-1.7E+07	9773041
511.5999	751273.5	-62.2766	26.95749	8994433	-1.7E+07	9769765
511.7999	751267.1	-62.2669	26.94773	8998101	-1.7E+07	9766489
511.9999	751260.8	-62.2572	26.93798	9001767	-1.7E+07	9763211
512.1999	751254.4	-62.2476	26.92823	9005433	-1.7E+07	9759934
512.3999	751248.1	-62.2379	26.91848	9009099	-1.7E+07	9756655
512.5999	751241.8	-62.2282	26.90872	9012764	-1.7E+07	9753377
512.7999	751235.5	-62.2185	26.89897	9016428	-1.7E+07	9750097
512.9999	751229.2	-62.2088	26.88921	9020093	-1.7E+07	9746817
513.1999	751222.9	-62.1991	26.87945	9023756	-1.7E+07	9743537
513.3999	751216.6	-62.1895	26.8697	9027419	-1.7E+07	9740256
513.5999	751210.3	-62.1798	26.85994	9031082	-1.7E+07	9736974
513.7999	751204	-62.1701	26.85018	9034744	-1.7E+07	9733692
513.9999	751197.7	-62.1604	26.84042	9038406	-1.7E+07	9730410
514.1999	751191.5	-62.1508	26.83066	9042067	-1.7E+07	9727127
514.3999	751185.2	-62.1411	26.8209	9045728	-1.7E+07	9723843
514.5999	751178.9	-62.1314	26.81113	9049388	-1.7E+07	9720559
514.7999	751172.7	-62.1218	26.80137	9053048	-1.7E+07	9717274
514.9999	751166.5	-62.1121	26.79161	9056707	-1.7E+07	9713989
515.1999	751160.2	-62.1024	26.78184	9060365	-1.7E+07	9710703
515.3999	751154	-62.0928	26.77208	9064024	-1.7E+07	9707416
515.5999	751147.8	-62.0831	26.76231	9067681	-1.7E+07	9704129
515.7999	751141.6	-62.0735	26.75254	9071339	-1.7E+07	9700842
515.9999	751135.3	-62.0638	26.74277	9074995	-1.7E+07	9697554
516.1999	751129.1	-62.0542	26.733	9078652	-1.7E+07	9694265
516.3999	751122.9	-62.0445	26.72323	9082307	-1.7E+07	9690976
516.5999	751116.8	-62.0349	26.71346	9085963	-1.7E+07	9687686
516.7999	751110.6	-62.0252	26.70369	9089617	-1.7E+07	9684396
516.9999	751104.4	-62.0156	26.69392	9093272	-1.7E+07	9681105
517.1999	751098.2	-62.0059	26.68415	9096925	-1.7E+07	9677814
517.3999	751092.1	-61.9963	26.67437	9100579	-1.7E+07	9674522
517.5999	751085.9	-61.9866	26.6646	9104231	-1.7E+07	9671230
517.7999	751079.8	-61.977	26.65482	9107884	-1.7E+07	9667937
517.9999	751073.6	-61.9674	26.64505	9111535	-1.7E+07	9664643
518.1999	751067.5	-61.9577	26.63527	9115187	-1.7E+07	9661349

518.3999	751061.4	-61.9481	26.62549	9118838	-1.7E+07	9658055
518.5999	751055.2	-61.9385	26.61572	9122488	-1.7E+07	9654760
518.7999	751049.1	-61.9288	26.60594	9126138	-1.7E+07	9651464
518.9999	751043	-61.9192	26.59616	9129787	-1.7E+07	9648168
519.1999	751036.9	-61.9096	26.58638	9133436	-1.7E+07	9644871
519.3999	751030.8	-61.8999	26.57659	9137084	-1.7E+07	9641574
519.5999	751024.7	-61.8903	26.56681	9140732	-1.7E+07	9638276
519.7999	751018.6	-61.8807	26.55703	9144379	-1.7E+07	9634978
519.9999	751012.6	-61.8711	26.54724	9148026	-1.7E+07	9631679
520.1999	751006.5	-61.8615	26.53746	9151672	-1.7E+07	9628380
520.3999	751000.4	-61.8519	26.52767	9155318	-1.7E+07	9625080
520.5999	750994.4	-61.8422	26.51789	9158963	-1.7E+07	9621779
520.7999	750988.3	-61.8326	26.5081	9162608	-1.7E+07	9618478
520.9999	750982.3	-61.823	26.49831	9166252	-1.7E+07	9615177
521.1999	750976.3	-61.8134	26.48852	9169896	-1.7E+07	9611875
521.3999	750970.2	-61.8038	26.47873	9173540	-1.7E+07	9608572
521.5999	750964.2	-61.7942	26.46894	9177182	-1.7E+07	9605269
521.7999	750958.2	-61.7846	26.45915	9180825	-1.7E+07	9601965
521.9999	750952.2	-61.775	26.44936	9184467	-1.7E+07	9598661
522.1999	750946.2	-61.7654	26.43957	9188108	-1.7E+07	9595356
522.3999	750940.2	-61.7558	26.42977	9191749	-1.7E+07	9592051
522.5999	750934.2	-61.7462	26.41998	9195389	-1.7E+07	9588745
522.7999	750928.2	-61.7366	26.41019	9199029	-1.7E+07	9585439
522.9999	750922.2	-61.727	26.40039	9202668	-1.7E+07	9582132
523.1999	750916.3	-61.7174	26.39059	9206307	-1.7E+07	9578824
523.3999	750910.3	-61.7078	26.3808	9209945	-1.7E+07	9575516
523.5999	750904.3	-61.6982	26.371	9213583	-1.7E+07	9572208
523.7999	750898.4	-61.6887	26.3612	9217220	-1.7E+07	9568899
523.9999	750892.5	-61.6791	26.3514	9220857	-1.7E+07	9565589
524.1999	750886.5	-61.6695	26.3416	9224493	-1.7E+07	9562279
524.3999	750880.6	-61.6599	26.3318	9228129	-1.7E+07	9558968
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524.7999	750868.7	-61.6407	26.31219	9235399	-1.7E+07	9552345
524.9999	750862.8	-61.6312	26.30239	9239034	-1.7E+07	9549033
525.1999	750856.9	-61.6216	26.29258	9242667	-1.7E+07	9545720
525.3999	750851	-61.612	26.28278	9246301	-1.7E+07	9542407
525.5999	750845.2	-61.6025	26.27297	9249934	-1.7E+07	9539093
525.7999	750839.3	-61.5929	26.26317	9253566	-1.7E+07	9535779
525.9999	750833.4	-61.5833	26.25336	9257198	-1.7E+07	9532464
526.1999	750827.5	-61.5738	26.24355	9260829	-1.7E+07	9529148
526.3999	750821.7	-61.5642	26.23374	9264460	-1.7E+07	9525832
526.5999	750815.8	-61.5546	26.22393	9268090	-1.7E+07	9522516
526.7999	750810	-61.5451	26.21412	9271720	-1.7E+07	9519199
526.9999	750804.1	-61.5355	26.20431	9275349	-1.7E+07	9515881
527.1999	750798.3	-61.526	26.1945	9278978	-1.7E+07	9512563
527.3999	750792.5	-61.5164	26.18468	9282606	-1.7E+07	9509245
527.5999	750786.6	-61.5068	26.17487	9286234	-1.7E+07	9505925

527.7999	750780.8	-61.4973	26.16506	9289861	-1.7E+07	9502606
527.9999	750775	-61.4877	26.15524	9293488	-1.7E+07	9499285
528.1999	750769.2	-61.4782	26.14543	9297114	-1.7E+07	9495965
528.3999	750763.4	-61.4686	26.13561	9300740	-1.7E+07	9492643
528.5999	750757.6	-61.4591	26.12579	9304365	-1.7E+07	9489322
528.7999	750751.9	-61.4496	26.11597	9307990	-1.7E+07	9485999
528.9999	750746.1	-61.44	26.10615	9311614	-1.7E+07	9482676
529.1999	750740.3	-61.4305	26.09633	9315237	-1.7E+07	9479353
529.3999	750734.6	-61.4209	26.08651	9318861	-1.7E+07	9476029
529.5999	750728.8	-61.4114	26.07669	9322483	-1.7E+07	9472704
529.7999	750723.1	-61.4019	26.06687	9326105	-1.7E+07	9469379
529.9999	750717.3	-61.3923	26.05705	9329727	-1.7E+07	9466054
530.1999	750711.6	-61.3828	26.04722	9333348	-1.7E+07	9462728
530.3999	750705.9	-61.3733	26.0374	9336969	-1.7E+07	9459401
530.5999	750700.2	-61.3638	26.02757	9340589	-1.7E+07	9456074
530.7999	750694.4	-61.3542	26.01775	9344209	-1.7E+07	9452746
530.9999	750688.7	-61.3447	26.00792	9347828	-1.7E+07	9449418
531.1999	750683	-61.3352	25.99809	9351446	-1.7E+07	9446090
531.3999	750677.3	-61.3257	25.98827	9355064	-1.7E+07	9442760
531.5999	750671.7	-61.3161	25.97844	9358682	-1.7E+07	9439431
531.7999	750666	-61.3066	25.96861	9362299	-1.7E+07	9436100
531.9999	750660.3	-61.2971	25.95878	9365916	-1.7E+07	9432770
532.1999	750654.7	-61.2876	25.94894	9369532	-1.7E+07	9429438
532.3999	750649	-61.2781	25.93911	9373147	-1.7E+07	9426106
532.5999	750643.3	-61.2686	25.92928	9376762	-1.7E+07	9422774
532.7999	750637.7	-61.2591	25.91945	9380377	-1.7E+07	9419441
532.9999	750632.1	-61.2496	25.90961	9383991	-1.7E+07	9416108
533.1999	750626.4	-61.2401	25.89978	9387604	-1.7E+07	9412774
533.3999	750620.8	-61.2305	25.88994	9391217	-1.7E+07	9409439
533.5999	750615.2	-61.221	25.8801	9394830	-1.7E+07	9406104
533.7999	750609.6	-61.2115	25.87027	9398442	-1.7E+07	9402769
533.9999	750604	-61.202	25.86043	9402053	-1.7E+07	9399432
534.1999	750598.4	-61.1926	25.85059	9405664	-1.7E+07	9396096
534.3999	750592.8	-61.1831	25.84075	9409275	-1.7E+07	9392759
534.5999	750587.2	-61.1736	25.83091	9412885	-1.7E+07	9389421
534.7999	750581.6	-61.1641	25.82107	9416494	-1.7E+07	9386083
534.9999	750576.1	-61.1546	25.81123	9420103	-1.7E+07	9382744
535.1999	750570.5	-61.1451	25.80138	9423711	-1.7E+07	9379405
535.3999	750565	-61.1356	25.79154	9427319	-1.7E+07	9376065
535.5999	750559.4	-61.1261	25.7817	9430927	-1.7E+07	9372725
535.7999	750553.9	-61.1166	25.77185	9434534	-1.7E+07	9369384
535.9999	750548.3	-61.1072	25.76201	9438140	-1.7E+07	9366043
536.1999	750542.8	-61.0977	25.75216	9441746	-1.7E+07	9362701
536.3999	750537.3	-61.0882	25.74231	9445351	-1.7E+07	9359359
536.5999	750531.8	-61.0787	25.73246	9448956	-1.7E+07	9356016
536.7999	750526.3	-61.0692	25.72262	9452560	-1.7E+07	9352673
536.9999	750520.8	-61.0598	25.71277	9456164	-1.7E+07	9349329

537.1999	750515.3	-61.0503	25.70292	9459767	-1.7E+07	9345984
537.3999	750509.8	-61.0408	25.69307	9463370	-1.7E+07	9342639
537.5999	750504.3	-61.0314	25.68321	9466972	-1.7E+07	9339294
537.7999	750498.8	-61.0219	25.67336	9470574	-1.7E+07	9335948
537.9999	750493.4	-61.0124	25.66351	9474175	-1.7E+07	9332601
538.1999	750487.9	-61.003	25.65365	9477776	-1.7E+07	9329254
538.3999	750482.5	-60.9935	25.6438	9481376	-1.7E+07	9325907
538.5999	750477	-60.9841	25.63394	9484975	-1.7E+07	9322559
538.7999	750471.6	-60.9746	25.62409	9488575	-1.7E+07	9319210
538.9999	750466.2	-60.9651	25.61423	9492173	-1.7E+07	9315861
539.1999	750460.7	-60.9557	25.60437	9495771	-1.7E+07	9312511
539.3999	750455.3	-60.9462	25.59451	9499369	-1.7E+07	9309161
539.5999	750449.9	-60.9368	25.58466	9502966	-1.7E+07	9305810
539.7999	750444.5	-60.9273	25.5748	9506562	-1.7E+07	9302459
539.9999	750439.1	-60.9179	25.56494	9510158	-1.7E+07	9299107
540.1999	750433.7	-60.9084	25.55507	9513754	-1.7E+07	9295755
540.3999	750428.3	-60.899	25.54521	9517349	-1.7E+07	9292402
540.5999	750423	-60.8895	25.53535	9520943	-1.7E+07	9289049
540.7999	750417.6	-60.8801	25.52549	9524537	-1.7E+07	9285695
540.9999	750412.2	-60.8707	25.51562	9528131	-1.7E+07	9282341
541.1999	750406.9	-60.8612	25.50576	9531724	-1.7E+07	9278986
541.3999	750401.5	-60.8518	25.49589	9535316	-1.7E+07	9275631
541.5999	750396.2	-60.8424	25.48602	9538908	-1.7E+07	9272275
541.7999	750390.9	-60.8329	25.47616	9542499	-1.7E+07	9268919
541.9999	750385.5	-60.8235	25.46629	9546090	-1.7E+07	9265562
542.1999	750380.2	-60.8141	25.45642	9549681	-1.7E+07	9262204
542.3999	750374.9	-60.8046	25.44655	9553270	-1.7E+07	9258846
542.5999	750369.6	-60.7952	25.43668	9556860	-1.7E+07	9255488
542.7999	750364.3	-60.7858	25.42681	9560449	-1.7E+07	9252129
542.9999	750359	-60.7764	25.41694	9564037	-1.7E+07	9248770
543.1999	750353.7	-60.7669	25.40707	9567624	-1.7E+07	9245410
543.3999	750348.5	-60.7575	25.39719	9571212	-1.7E+07	9242049
543.5999	750343.2	-60.7481	25.38732	9574798	-1.7E+07	9238688
543.7999	750337.9	-60.7387	25.37744	9578385	-1.7E+07	9235326
543.9999	750332.7	-60.7293	25.36757	9581970	-1.7E+07	9231964
544.1999	750327.4	-60.7199	25.35769	9585555	-1.7E+07	9228602
544.3999	750322.2	-60.7105	25.34782	9589140	-1.7E+07	9225239
544.5999	750316.9	-60.701	25.33794	9592724	-1.7E+07	9221875
544.7999	750311.7	-60.6916	25.32806	9596308	-1.7E+07	9218511
544.9999	750306.5	-60.6822	25.31818	9599891	-1.7E+07	9215146
545.1999	750301.3	-60.6728	25.3083	9603473	-1.7E+07	9211781
545.3999	750296.1	-60.6634	25.29842	9607055	-1.7E+07	9208416
545.5999	750290.9	-60.654	25.28854	9610637	-1.7E+07	9205049
545.7999	750285.7	-60.6446	25.27866	9614218	-1.7E+07	9201683
545.9999	750280.5	-60.6352	25.26877	9617798	-1.7E+07	9198316
546.1999	750275.3	-60.6258	25.25889	9621378	-1.7E+07	9194948
546.3999	750270.2	-60.6164	25.24901	9624957	-1.7E+07	9191580

546.5999	750265	-60.607	25.23912	9628536	-1.7E+07	9188211
546.7999	750259.8	-60.5976	25.22924	9632115	-1.7E+07	9184842
546.9999	750254.7	-60.5883	25.21935	9635692	-1.7E+07	9181472
547.1999	750249.5	-60.5789	25.20946	9639270	-1.7E+07	9178102
547.3999	750244.4	-60.5695	25.19958	9642846	-1.7E+07	9174731
547.5999	750239.3	-60.5601	25.18969	9646423	-1.7E+07	9171359
547.7999	750234.1	-60.5507	25.1798	9649998	-1.7E+07	9167988
547.9999	750229	-60.5413	25.16991	9653574	-1.7E+07	9164615
548.1999	750223.9	-60.532	25.16002	9657148	-1.7E+07	9161243
548.3999	750218.8	-60.5226	25.15013	9660722	-1.7E+07	9157869
548.5999	750213.7	-60.5132	25.14023	9664296	-1.7E+07	9154495
548.7999	750208.6	-60.5038	25.13034	9667869	-1.7E+07	9151121
548.9999	750203.6	-60.4944	25.12045	9671442	-1.7E+07	9147746
549.1999	750198.5	-60.4851	25.11055	9675014	-1.7E+07	9144371
549.3999	750193.4	-60.4757	25.10066	9678585	-1.7E+07	9140995
549.5999	750188.4	-60.4663	25.09076	9682156	-1.7E+07	9137618
549.7999	750183.3	-60.457	25.08087	9685727	-1.7E+07	9134241
549.9999	750178.3	-60.4476	25.07097	9689297	-1.7E+07	9130864
550.1999	750173.2	-60.4382	25.06107	9692866	-1.7E+07	9127486
550.3999	750168.2	-60.4289	25.05117	9696435	-1.7E+07	9124108
550.5999	750163.2	-60.4195	25.04127	9700003	-1.7E+07	9120729
550.7999	750158.2	-60.4102	25.03137	9703571	-1.7E+07	9117349
550.9999	750153.2	-60.4008	25.02147	9707139	-1.7E+07	9113969
551.1999	750148.2	-60.3914	25.01157	9710705	-1.7E+07	9110589
551.3999	750143.2	-60.3821	25.00167	9714272	-1.7E+07	9107208
551.5999	750138.2	-60.3727	24.99177	9717837	-1.7E+07	9103826
551.7999	750133.2	-60.3634	24.98186	9721403	-1.7E+07	9100444
551.9999	750128.2	-60.354	24.97196	9724967	-1.7E+07	9097062
552.1999	750123.3	-60.3447	24.96205	9728531	-1.7E+07	9093679
552.3999	750118.3	-60.3353	24.95215	9732095	-1.7E+07	9090295
552.5999	750113.3	-60.326	24.94224	9735658	-1.7E+07	9086911
552.7999	750108.4	-60.3167	24.93233	9739221	-1.7E+07	9083527
552.9999	750103.5	-60.3073	24.92243	9742783	-1.7E+07	9080142
553.1999	750098.5	-60.298	24.91252	9746344	-1.7E+07	9076756
553.3999	750093.6	-60.2886	24.90261	9749905	-1.7E+07	9073370
553.5999	750088.7	-60.2793	24.8927	9753466	-1.7E+07	9069984
553.7999	750083.8	-60.27	24.88279	9757026	-1.7E+07	9066597
553.9999	750078.9	-60.2606	24.87288	9760585	-1.7E+07	9063209
554.1999	750074	-60.2513	24.86296	9764144	-1.7E+07	9059821
554.3999	750069.1	-60.242	24.85305	9767702	-1.7E+07	9056432
554.5999	750064.2	-60.2327	24.84314	9771260	-1.7E+07	9053043
554.7999	750059.3	-60.2233	24.83322	9774817	-1.7E+07	9049654
554.9999	750054.5	-60.214	24.82331	9778374	-1.7E+07	9046264
555.1999	750049.6	-60.2047	24.81339	9781930	-1.7E+07	9042873
555.3999	750044.8	-60.1954	24.80348	9785486	-1.7E+07	9039482
555.5999	750039.9	-60.186	24.79356	9789041	-1.7E+07	9036090
555.7999	750035.1	-60.1767	24.78364	9792596	-1.7E+07	9032698

555.9999	750030.2	-60.1674	24.77372	9796150	-1.7E+07	9029305
556.1999	750025.4	-60.1581	24.7638	9799703	-1.7E+07	9025912
556.3999	750020.6	-60.1488	24.75388	9803256	-1.7E+07	9022519
556.5999	750015.8	-60.1395	24.74396	9806809	-1.7E+07	9019125
556.7999	750011	-60.1302	24.73404	9810361	-1.7E+07	9015730
556.9999	750006.2	-60.1208	24.72412	9813912	-1.7E+07	9012335
557.1999	750001.4	-60.1115	24.7142	9817463	-1.7E+07	9008939
557.3999	749996.6	-60.1022	24.70427	9821013	-1.7E+07	9005543
557.5999	749991.9	-60.0929	24.69435	9824563	-1.7E+07	9002146
557.7999	749987.1	-60.0836	24.68442	9828112	-1.7E+07	8998749
557.9999	749982.3	-60.0743	24.6745	9831661	-1.7E+07	8995352
558.1999	749977.6	-60.065	24.66457	9835209	-1.7E+07	8991953
558.3999	749972.8	-60.0557	24.65464	9838757	-1.7E+07	8988555
558.5999	749968.1	-60.0464	24.64472	9842304	-1.7E+07	8985156
558.7999	749963.4	-60.0371	24.63479	9845851	-1.7E+07	8981756
558.9999	749958.6	-60.0278	24.62486	9849397	-1.7E+07	8978356
559.1999	749953.9	-60.0186	24.61493	9852943	-1.7E+07	8974955
559.3999	749949.2	-60.0093	24.605	9856488	-1.7E+07	8971554
559.5999	749944.5	-60	24.59507	9860032	-1.7E+07	8968152
559.7999	749939.8	-59.9907	24.58514	9863576	-1.7E+07	8964750
559.9999	749935.1	-59.9814	24.5752	9867119	-1.7E+07	8961348
560.1999	749930.5	-59.9721	24.56527	9870662	-1.7E+07	8957944
560.3999	749925.8	-59.9628	24.55534	9874205	-1.7E+07	8954541
560.5999	749921.1	-59.9536	24.5454	9877746	-1.7E+07	8951137
560.7999	749916.5	-59.9443	24.53547	9881288	-1.7E+07	8947732
560.9999	749911.8	-59.935	24.52553	9884828	-1.7E+07	8944327
561.1999	749907.2	-59.9257	24.51559	9888369	-1.7E+07	8940921
561.3999	749902.5	-59.9165	24.50566	9891908	-1.7E+07	8937515
561.5999	749897.9	-59.9072	24.49572	9895447	-1.7E+07	8934108
561.7999	749893.3	-59.8979	24.48578	9898986	-1.7E+07	8930701
561.9999	749888.7	-59.8886	24.47584	9902524	-1.7E+07	8927294
562.1999	749884.1	-59.8794	24.4659	9906062	-1.7E+07	8923885
562.3999	749879.5	-59.8701	24.45596	9909599	-1.7E+07	8920477
562.5999	749874.9	-59.8608	24.44602	9913135	-1.7E+07	8917068
562.7999	749870.3	-59.8516	24.43607	9916671	-1.7E+07	8913658
562.9999	749865.7	-59.8423	24.42613	9920206	-1.7E+07	8910248
563.1999	749861.1	-59.8331	24.41619	9923741	-1.7E+07	8906837
563.3999	749856.6	-59.8238	24.40624	9927276	-1.7E+07	8903426
563.5999	749852	-59.8145	24.3963	9930809	-1.7E+07	8900015
563.7999	749847.5	-59.8053	24.38635	9934343	-1.7E+07	8896602
563.9999	749842.9	-59.796	24.37641	9937875	-1.7E+07	8893190
564.1999	749838.4	-59.7868	24.36646	9941407	-1.7E+07	8889777
564.3999	749833.8	-59.7775	24.35651	9944939	-1.7E+07	8886363
564.5999	749829.3	-59.7683	24.34656	9948470	-1.7E+07	8882949
564.7999	749824.8	-59.759	24.33661	9952001	-1.7E+07	8879534
564.9999	749820.3	-59.7498	24.32666	9955531	-1.7E+07	8876119
565.1999	749815.8	-59.7406	24.31671	9959060	-1.7E+07	8872704

565.3999	749811.3	-59.7313	24.30676	9962589	-1.7E+07	8869288
565.5999	749806.8	-59.7221	24.29681	9966117	-1.7E+07	8865871
565.7999	749802.4	-59.7128	24.28686	9969645	-1.7E+07	8862454
565.9999	749797.9	-59.7036	24.2769	9973172	-1.7E+07	8859037
566.1999	749793.4	-59.6944	24.26695	9976699	-1.7E+07	8855618
566.3999	749789	-59.6851	24.25699	9980225	-1.7E+07	8852200
566.5999	749784.5	-59.6759	24.24704	9983751	-1.7E+07	8848781
566.7999	749780.1	-59.6667	24.23708	9987276	-1.7E+07	8845361
566.9999	749775.6	-59.6574	24.22713	9990801	-1.7E+07	8841941
567.1999	749771.2	-59.6482	24.21717	9994325	-1.7E+07	8838521
567.3999	749766.8	-59.639	24.20721	9997848	-1.7E+07	8835100
567.5999	749762.4	-59.6297	24.19725	10001371	-1.7E+07	8831678
567.7999	749758	-59.6205	24.18729	10004894	-1.7E+07	8828256
567.9999	749753.6	-59.6113	24.17733	10008416	-1.7E+07	8824834
568.1999	749749.2	-59.6021	24.16737	10011937	-1.7E+07	8821411
568.3999	749744.8	-59.5929	24.15741	10015458	-1.7E+07	8817987
568.5999	749740.4	-59.5836	24.14745	10018978	-1.7E+07	8814563
568.7999	749736.1	-59.5744	24.13749	10022498	-1.7E+07	8811139
568.9999	749731.7	-59.5652	24.12752	10026017	-1.7E+07	8807714
569.1999	749727.4	-59.556	24.11756	10029535	-1.7E+07	8804289
569.3999	749723	-59.5468	24.10759	10033053	-1.7E+07	8800863
569.5999	749718.7	-59.5376	24.09763	10036571	-1.7E+07	8797436
569.7999	749714.3	-59.5284	24.08766	10040088	-1.7E+07	8794009
569.9999	749710	-59.5192	24.07769	10043604	-1.7E+07	8790582
570.1999	749705.7	-59.51	24.06773	10047120	-1.7E+07	8787154
570.3999	749701.4	-59.5008	24.05776	10050636	-1.7E+07	8783726
570.5999	749697.1	-59.4916	24.04779	10054151	-1.7E+07	8780297
570.7999	749692.8	-59.4824	24.03782	10057665	-1.7E+07	8776867
570.9999	749688.5	-59.4732	24.02785	10061179	-1.7E+07	8773438
571.1999	749684.2	-59.464	24.01788	10064692	-1.7E+07	8770007
571.3999	749680	-59.4548	24.00791	10068204	-1.7E+07	8766576
571.5999	749675.7	-59.4456	23.99793	10071716	-1.7E+07	8763145
571.7999	749671.4	-59.4364	23.98796	10075228	-1.7E+07	8759713
571.9999	749667.2	-59.4272	23.97799	10078739	-1.7E+07	8756281
572.1999	749662.9	-59.418	23.96801	10082250	-1.7E+07	8752848
572.3999	749658.7	-59.4088	23.95804	10085759	-1.7E+07	8749415
572.5999	749654.5	-59.3996	23.94806	10089269	-1.7E+07	8745981
572.7999	749650.3	-59.3904	23.93809	10092778	-1.7E+07	8742547
572.9999	749646	-59.3813	23.92811	10096286	-1.7E+07	8739112
573.1999	749641.8	-59.3721	23.91813	10099794	-1.7E+07	8735677
573.3999	749637.6	-59.3629	23.90815	10103301	-1.7E+07	8732241
573.5999	749633.4	-59.3537	23.89817	10106807	-1.7E+07	8728805
573.7999	749629.3	-59.3445	23.88819	10110314	-1.7E+07	8725368
573.9999	749625.1	-59.3354	23.87821	10113819	-1.7E+07	8721931
574.1999	749620.9	-59.3262	23.86823	10117324	-1.7E+07	8718494
574.3999	749616.8	-59.317	23.85825	10120828	-1.7E+07	8715055
574.5999	749612.6	-59.3078	23.84827	10124332	-1.7E+07	8711617

574.7999	749608.5	-59.2987	23.83829	10127836	-1.7E+07	8708178
574.9999	749604.3	-59.2895	23.8283	10131339	-1.7E+07	8704738
575.1999	749600.2	-59.2803	23.81832	10134841	-1.7E+07	8701298
575.3999	749596.1	-59.2712	23.80833	10138342	-1.7E+07	8697857
575.5999	749591.9	-59.262	23.79835	10141844	-1.7E+07	8694416
575.7999	749587.8	-59.2528	23.78836	10145344	-1.7E+07	8690975
575.9999	749583.7	-59.2437	23.77837	10148844	-1.7E+07	8687533
576.1999	749579.6	-59.2345	23.76839	10152344	-1.7E+07	8684090
576.3999	749575.5	-59.2254	23.7584	10155843	-1.7E+07	8680647
576.5999	749571.5	-59.2162	23.74841	10159341	-1.7E+07	8677204
576.7999	749567.4	-59.2071	23.73842	10162839	-1.7E+07	8673760
576.9999	749563.3	-59.1979	23.72843	10166336	-1.7E+07	8670316
577.1999	749559.3	-59.1888	23.71844	10169833	-1.7E+07	8666871
577.3999	749555.2	-59.1796	23.70845	10173329	-1.7E+07	8663425
577.5999	749551.2	-59.1705	23.69845	10176825	-1.7E+07	8659979
577.7999	749547.1	-59.1613	23.68846	10180320	-1.7E+07	8656533
577.9999	749543.1	-59.1522	23.67847	10183815	-1.7E+07	8653086
578.1999	749539.1	-59.143	23.66847	10187309	-1.7E+07	8649639
578.3999	749535.1	-59.1339	23.65848	10190802	-1.7E+07	8646191
578.5999	749531.1	-59.1247	23.64848	10194295	-1.7E+07	8642743
578.7999	749527.1	-59.1156	23.63849	10197787	-1.7E+07	8639294
578.9999	749523.1	-59.1065	23.62849	10201279	-1.7E+07	8635845
579.1999	749519.1	-59.0973	23.61849	10204770	-1.7E+07	8632395
579.3999	749515.1	-59.0882	23.60849	10208261	-1.7E+07	8628945
579.5999	749511.2	-59.0791	23.59849	10211751	-1.7E+07	8625494
579.7999	749507.2	-59.0699	23.58849	10215241	-1.7E+07	8622043
579.9999	749503.2	-59.0608	23.57849	10218730	-1.7E+07	8618591
580.1999	749499.3	-59.0517	23.56849	10222218	-1.7E+07	8615139
580.3999	749495.4	-59.0425	23.55849	10225706	-1.7E+07	8611686
580.5999	749491.4	-59.0334	23.54849	10229194	-1.7E+07	8608233
580.7999	749487.5	-59.0243	23.53849	10232681	-1.7E+07	8604780
580.9999	749483.6	-59.0152	23.52848	10236167	-1.7E+07	8601326
581.1999	749479.7	-59.006	23.51848	10239653	-1.7E+07	8597871
581.3999	749475.8	-58.9969	23.50847	10243138	-1.7E+07	8594416
581.5999	749471.9	-58.9878	23.49847	10246622	-1.7E+07	8590961
581.7999	749468	-58.9787	23.48846	10250106	-1.7E+07	8587505
581.9999	749464.1	-58.9696	23.47846	10253590	-1.7E+07	8584048
582.1999	749460.3	-58.9605	23.46845	10257073	-1.7E+07	8580591
582.3999	749456.4	-58.9513	23.45844	10260555	-1.7E+07	8577134
582.5999	749452.5	-58.9422	23.44843	10264037	-1.7E+07	8573676
582.7999	749448.7	-58.9331	23.43842	10267518	-1.7E+07	8570218
582.9999	749444.8	-58.924	23.42841	10270999	-1.7E+07	8566759
583.1999	749441	-58.9149	23.4184	10274479	-1.7E+07	8563299
583.3999	749437.2	-58.9058	23.40839	10277959	-1.7E+07	8559840
583.5999	749433.4	-58.8967	23.39838	10281438	-1.7E+07	8556379
583.7999	749429.6	-58.8876	23.38837	10284917	-1.7E+07	8552919
583.9999	749425.8	-58.8785	23.37835	10288395	-1.7E+07	8549457

584.1999	749422	-58.8694	23.36834	10291872	-1.7E+07	8545996
584.2499	749421	-58.8671	23.36584	10292741	-1.7E+07	8545130
584.3999	749418.2	-58.8603	23.35832	10295349	-1.7E+07	8542533
584.4499	749417.2	-58.858	23.35582	10296218	-1.7E+07	8541668
584.5999	749414.4	-58.8512	23.34831	10298825	-1.7E+07	8539071
584.7999	749410.6	-58.8421	23.33829	10302301	-1.7E+07	8535608
584.9999	749406.9	-58.833	23.32828	10305776	-1.7E+07	8532144
585.1999	749403.1	-58.8239	23.31826	10309251	-1.7E+07	8528680
585.3999	749399.3	-58.8148	23.30824	10312725	-1.7E+07	8525215
585.5999	749395.6	-58.8057	23.29822	10316198	-1.7E+07	8521750
585.7999	749391.9	-58.7967	23.2882	10319671	-1.7E+07	8518285
585.9999	749388.1	-58.7876	23.27819	10323144	-1.7E+07	8514819
586.1999	749384.4	-58.7785	23.26816	10326615	-1.7E+07	8511352
586.3999	749380.7	-58.7694	23.25814	10330087	-1.7E+07	8507886
586.5999	749377	-58.7603	23.24812	10333557	-1.7E+07	8504418
586.7999	749373.3	-58.7512	23.2381	10337028	-1.7E+07	8500950
586.9999	749369.6	-58.7422	23.22808	10340497	-1.7E+07	8497482
587.1999	749365.9	-58.7331	23.21805	10343966	-1.7E+07	8494013
587.3999	749362.3	-58.724	23.20803	10347435	-1.7E+07	8490544
587.5999	749358.6	-58.7149	23.198	10350903	-1.7E+07	8487074
587.7999	749354.9	-58.7059	23.18798	10354370	-1.7E+07	8483604
587.9999	749351.3	-58.6968	23.17795	10357837	-1.7E+07	8480133
588.1999	749347.6	-58.6877	23.16793	10361303	-1.7E+07	8476662
588.3999	749344	-58.6787	23.1579	10364769	-1.7E+07	8473190
588.5999	749340.4	-58.6696	23.14787	10368234	-1.7E+07	8469718
588.7999	749336.7	-58.6605	23.13784	10371698	-1.7E+07	8466245
588.9999	749333.1	-58.6515	23.12781	10375162	-1.7E+07	8462772
589.1999	749329.5	-58.6424	23.11778	10378626	-1.7E+07	8459299
589.3999	749325.9	-58.6333	23.10775	10382089	-1.7E+07	8455825
589.5999	749322.3	-58.6243	23.09772	10385551	-1.7E+07	8452350
589.7999	749318.7	-58.6152	23.08769	10389013	-1.7E+07	8448875
589.9999	749315.2	-58.6062	23.07766	10392474	-1.7E+07	8445400
590.1999	749311.6	-58.5971	23.06762	10395935	-1.7E+07	8441924
590.3999	749308	-58.5881	23.05759	10399395	-1.7E+07	8438448
590.5999	749304.5	-58.579	23.04756	10402854	-1.7E+07	8434971
590.7999	749300.9	-58.57	23.03752	10406313	-1.7E+07	8431493
590.9999	749297.4	-58.5609	23.02749	10409772	-1.7E+07	8428016
591.1999	749293.9	-58.5519	23.01745	10413230	-1.7E+07	8424537
591.3999	749290.3	-58.5428	23.00741	10416687	-1.7E+07	8421059
591.5999	749286.8	-58.5338	22.99737	10420144	-1.7E+07	8417580
591.7999	749283.3	-58.5247	22.98734	10423600	-1.7E+07	8414100
591.9999	749279.8	-58.5157	22.9773	10427055	-1.7E+07	8410620
592.1999	749276.3	-58.5066	22.96726	10430510	-1.7E+07	8407139
592.3999	749272.8	-58.4976	22.95722	10433965	-1.7E+07	8403658
592.5999	749269.4	-58.4886	22.94718	10437419	-1.7E+07	8400177
592.7999	749265.9	-58.4795	22.93714	10440872	-1.7E+07	8396695
592.9999	749262.4	-58.4705	22.92709	10444325	-1.7E+07	8393212

593.1999	749259	-58.4615	22.91705	10447777	-1.7E+07	8389729
593.3999	749255.5	-58.4524	22.90701	10451229	-1.7E+07	8386246
593.5999	749252.1	-58.4434	22.89696	10454680	-1.7E+07	8382762
593.6999	749250.4	-58.4389	22.89194	10456405	-1.7E+07	8381020
593.7999	749248.7	-58.4344	22.88692	10458130	-1.7E+07	8379278
593.9999	749245.2	-58.4254	22.87688	10461580	-1.7E+07	8375793
594.1999	749241.8	-58.4163	22.86685	10465022	-1.7E+07	8372315
594.3999	749238.4	-58.4073	22.85681	10468471	-1.7E+07	8368829
594.5999	749235	-58.3983	22.84676	10471919	-1.7E+07	8365343
594.7999	749231.6	-58.3893	22.83671	10475366	-1.7E+07	8361857
594.9999	749228.2	-58.3803	22.82666	10478813	-1.7E+07	8358370
595.1999	749224.8	-58.3712	22.81662	10482259	-1.7E+07	8354882
595.3999	749221.5	-58.3622	22.80657	10485705	-1.7E+07	8351395
595.5999	749218.1	-58.3532	22.79652	10489150	-1.7E+07	8347906
595.7999	749214.7	-58.3442	22.78647	10492595	-1.7E+07	8344418
595.9999	749211.4	-58.3352	22.77642	10496039	-1.7E+07	8340928
596.1999	749208.1	-58.3262	22.76637	10499482	-1.7E+07	8337439
596.3999	749204.7	-58.3172	22.75631	10502925	-1.7E+07	8333948
596.5999	749201.4	-58.3082	22.74626	10506368	-1.7E+07	8330458
596.7999	749198.1	-58.2992	22.73621	10509810	-1.7E+07	8326967
596.9999	749194.8	-58.2901	22.72615	10513251	-1.7E+07	8323475
597.1999	749191.5	-58.2811	22.7161	10516692	-1.7E+07	8319983
597.3999	749188.2	-58.2721	22.70604	10520132	-1.7E+07	8316490
597.5999	749184.9	-58.2631	22.69599	10523571	-1.7E+07	8312998
597.7999	749181.6	-58.2541	22.68593	10527010	-1.7E+07	8309504
597.9999	749178.3	-58.2451	22.67588	10530449	-1.7E+07	8306010
598.1999	749175.1	-58.2361	22.66582	10533887	-1.7E+07	8302516
598.3999	749171.8	-58.2271	22.65576	10537324	-1.7E+07	8299021
598.5999	749168.6	-58.2182	22.6457	10540761	-1.7E+07	8295526
598.7999	749165.3	-58.2092	22.63564	10544197	-1.7E+07	8292030
598.9999	749162.1	-58.2002	22.62558	10547633	-1.7E+07	8288534
599.1999	749158.8	-58.1912	22.61552	10551068	-1.7E+07	8285037
599.3999	749155.6	-58.1822	22.60546	10554502	-1.7E+07	8281540
599.5999	749152.4	-58.1732	22.5954	10557936	-1.7E+07	8278042
599.7999	749149.2	-58.1642	22.58534	10561370	-1.7E+07	8274544
599.9999	749146	-58.1552	22.57527	10564803	-1.7E+07	8271046
600.1999	749142.8	-58.1463	22.56521	10568235	-1.7E+07	8267547
600.3999	749139.6	-58.1373	22.55514	10571667	-1.7E+07	8264047
600.5999	749136.5	-58.1283	22.54508	10575098	-1.7E+07	8260548
600.7999	749133.3	-58.1193	22.53501	10578528	-1.7E+07	8257047
600.9999	749130.1	-58.1103	22.52495	10581958	-1.7E+07	8253546
601.1999	749127	-58.1014	22.51488	10585388	-1.7E+07	8250045
601.3999	749123.8	-58.0924	22.50481	10588817	-1.7E+07	8246543
601.5999	749120.7	-58.0834	22.49475	10592245	-1.7E+07	8243041
601.7999	749117.6	-58.0744	22.48468	10595673	-1.7E+07	8239539
601.9999	749114.4	-58.0655	22.47461	10599100	-1.7E+07	8236035
602.1999	749111.3	-58.0565	22.46454	10602527	-1.7E+07	8232532

602.3999	749108.2	-58.0475	22.45447	10605953	-1.7E+07	8229028
602.5999	749105.1	-58.0386	22.4444	10609378	-1.7E+07	8225523
602.7999	749102	-58.0296	22.43433	10612803	-1.7E+07	8222018
602.9999	749099	-58.0206	22.42425	10616228	-1.7E+07	8218513
603.1999	749095.9	-58.0117	22.41418	10619651	-1.7E+07	8215007
603.3999	749092.8	-58.0027	22.40411	10623075	-1.7E+07	8211501
603.5999	749089.7	-57.9938	22.39403	10626497	-1.7E+07	8207994
603.7999	749086.7	-57.9848	22.38396	10629919	-1.7E+07	8204487
603.9999	749083.6	-57.9759	22.37388	10633341	-1.7E+07	8200979
604.1999	749080.6	-57.9669	22.36381	10636762	-1.7E+07	8197471
604.2016	749080.6	-57.9668	22.36372	10636790	-1.7E+07	8197442
604.3999	749077.6	-57.9579	22.35373	10640182	-1.7E+07	8193962
604.5999	749074.6	-57.949	22.34365	10643602	-1.7E+07	8190453
604.7999	749071.5	-57.94	22.33357	10647021	-1.7E+07	8186944
604.9999	749068.5	-57.9311	22.3235	10650440	-1.7E+07	8183434
605.1999	749065.5	-57.9221	22.31342	10653858	-1.7E+07	8179923
605.3999	749062.5	-57.9132	22.30334	10657276	-1.7E+07	8176412
605.5999	749059.6	-57.9043	22.29326	10660693	-1.7E+07	8172901
605.7999	749056.6	-57.8953	22.28318	10664109	-1.7E+07	8169389
605.9999	749053.6	-57.8864	22.2731	10667525	-1.7E+07	8165877
606.1999	749050.7	-57.8774	22.26301	10670940	-1.7E+07	8162364
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606.5999	749044.8	-57.8595	22.24285	10677769	-1.7E+07	8155337
606.7999	749041.8	-57.8506	22.23276	10681182	-1.7E+07	8151823
606.9999	749038.9	-57.8417	22.22268	10684595	-1.7E+07	8148309
607.1999	749036	-57.8327	22.21259	10688008	-1.7E+07	8144794
607.3999	749033	-57.8238	22.20251	10691420	-1.7E+07	8141278
607.5999	749030.1	-57.8149	22.19242	10694831	-1.7E+07	8137762
607.7999	749027.2	-57.8059	22.18234	10698241	-1.7E+07	8134246
607.9999	749024.3	-57.797	22.17225	10701652	-1.7E+07	8130729
608.1999	749021.5	-57.7881	22.16216	10705061	-1.7E+07	8127212
608.3999	749018.6	-57.7792	22.15207	10708470	-1.7E+07	8123694
608.5999	749015.7	-57.7702	22.14198	10711879	-1.7E+07	8120176
608.7999	749012.9	-57.7613	22.13189	10715286	-1.7E+07	8116657
608.9999	749010	-57.7524	22.1218	10718694	-1.7E+07	8113138
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609.7999	748998.7	-57.7167	22.08144	10732317	-1.7E+07	8099058
609.9999	748995.8	-57.7078	22.07134	10735721	-1.7E+07	8095536
610.1999	748993	-57.6989	22.06125	10739125	-1.7E+07	8092014
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610.9999	748981.9	-57.6633	22.02087	10752735	-1.7E+07	8077923
611.1999	748979.1	-57.6544	22.01077	10756136	-1.7E+07	8074399
611.3999	748976.4	-57.6454	22.00067	10759536	-1.7E+07	8070875

611.5999	748973.6	-57.6365	21.99057	10762936	-1.7E+07	8067350
611.7999	748970.8	-57.6276	21.98048	10766335	-1.7E+07	8063824
611.9999	748968.1	-57.6187	21.97038	10769734	-1.7E+07	8060299
612.1999	748965.4	-57.6098	21.96028	10773132	-1.7E+07	8056772
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612.7999	748957.2	-57.5831	21.92997	10783322	-1.7E+07	8046191
612.9999	748954.5	-57.5743	21.91987	10786718	-1.7E+07	8042663
613.1999	748951.8	-57.5654	21.90977	10790113	-1.7E+07	8039134
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613.7999	748943.8	-57.5387	21.87946	10800296	-1.7E+07	8028546
613.9999	748941.2	-57.5298	21.86935	10803688	-1.7E+07	8025016
614.1999	748938.5	-57.5209	21.85925	10807081	-1.7E+07	8021485
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615.1999	748925.4	-57.4765	21.80871	10824034	-1.7E+07	8003825
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615.7999	748917.6	-57.4499	21.77838	10834199	-1.7E+07	7993223
615.9999	748915	-57.441	21.76827	10837586	-1.7E+07	7989689
616.1999	748912.4	-57.4321	21.75816	10840972	-1.7E+07	7986153
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616.5999	748907.3	-57.4144	21.73793	10847744	-1.7E+07	7979082
616.7999	748904.7	-57.4055	21.72782	10851129	-1.7E+07	7975545
616.9999	748902.2	-57.3966	21.71771	10854513	-1.7E+07	7972008
617.1999	748899.6	-57.3878	21.70759	10857897	-1.7E+07	7968471
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617.7999	748892.1	-57.3612	21.67724	10868044	-1.7E+07	7957856
617.9999	748889.6	-57.3523	21.66713	10871425	-1.7E+07	7954317
618.1999	748887.1	-57.3435	21.65701	10874806	-1.7E+07	7950778
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618.5999	748882.1	-57.3258	21.63677	10881566	-1.7E+07	7943697
618.7999	748879.6	-57.3169	21.62666	10884945	-1.7E+07	7940156
618.9999	748877.2	-57.308	21.61654	10888323	-1.7E+07	7936615
619.1999	748874.7	-57.2992	21.60642	10891701	-1.7E+07	7933073
619.3999	748872.3	-57.2903	21.5963	10895078	-1.7E+07	7929531
619.5999	748869.8	-57.2815	21.58617	10898455	-1.7E+07	7925988
619.7999	748867.4	-57.2726	21.57605	10901831	-1.7E+07	7922445
619.9999	748865	-57.2638	21.56593	10905207	-1.7E+07	7918902
620.1999	748862.5	-57.2549	21.55581	10908582	-1.7E+07	7915358
620.3999	748860.1	-57.2461	21.54568	10911956	-1.7E+07	7911813
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620.7999	748855.3	-57.2284	21.52544	10918703	-1.7E+07	7904723

620.9999	748852.9	-57.2196	21.51531	10922075	-1.7E+07	7901178
621.1999	748850.5	-57.2107	21.50518	10925447	-1.7E+07	7897631
621.3999	748848.2	-57.2019	21.49506	10928819	-1.7E+07	7894085
621.5999	748845.8	-57.1931	21.48493	10932190	-1.7E+07	7890538
621.7999	748843.5	-57.1842	21.4748	10935560	-1.7E+07	7886990
621.9999	748841.1	-57.1754	21.46468	10938930	-1.7E+07	7883442
622.1999	748838.8	-57.1666	21.45455	10942299	-1.7E+07	7879894
622.3999	748836.4	-57.1577	21.44442	10945667	-1.7E+07	7876345
622.5999	748834.1	-57.1489	21.43429	10949035	-1.7E+07	7872796
622.7999	748831.8	-57.1401	21.42416	10952402	-1.7E+07	7869247
622.9999	748829.5	-57.1312	21.41403	10955769	-1.7E+07	7865697
623.1999	748827.2	-57.1224	21.4039	10959135	-1.7E+07	7862146
623.3999	748824.9	-57.1136	21.39377	10962501	-1.7E+07	7858595
623.5999	748822.6	-57.1048	21.38363	10965866	-1.7E+07	7855044
623.7999	748820.3	-57.0959	21.3735	10969230	-1.7E+07	7851492
623.9999	748818	-57.0871	21.36337	10972594	-1.7E+07	7847940
624.1999	748815.8	-57.0783	21.35323	10975957	-1.7E+07	7844387
624.2499	748815.2	-57.0761	21.3507	10976798	-1.7E+07	7843499
624.3999	748813.5	-57.0695	21.3431	10979320	-1.7E+07	7840834
624.4499	748812.9	-57.0673	21.34056	10980160	-1.7E+07	7839946
624.5999	748811.3	-57.0607	21.33296	10982682	-1.7E+07	7837280
624.7999	748809	-57.0519	21.32283	10986043	-1.7E+07	7833727
624.9999	748806.8	-57.043	21.31269	10989404	-1.7E+07	7830172
625.1999	748804.6	-57.0342	21.30255	10992764	-1.7E+07	7826617
625.3999	748802.3	-57.0254	21.29242	10996124	-1.7E+07	7823062
625.5999	748800.1	-57.0166	21.28228	10999483	-1.7E+07	7819506
625.7999	748797.9	-57.0078	21.27214	11002841	-1.7E+07	7815950
625.9999	748795.7	-56.999	21.262	11006199	-1.7E+07	7812394
626.1999	748793.6	-56.9902	21.25186	11009557	-1.7E+07	7808837
626.3999	748791.4	-56.9814	21.24172	11012913	-1.7E+07	7805279
626.5999	748789.2	-56.9726	21.23158	11016270	-1.7E+07	7801721
626.7999	748787	-56.9638	21.22144	11019625	-1.7E+07	7798163
626.9999	748784.9	-56.955	21.2113	11022980	-1.7E+07	7794605
627.1999	748782.7	-56.9462	21.20115	11026334	-1.7E+07	7791045
627.3999	748780.6	-56.9374	21.19101	11029688	-1.7E+07	7787486
627.5999	748778.5	-56.9286	21.18087	11033041	-1.7E+07	7783926
627.7999	748776.3	-56.9198	21.17072	11036394	-1.7E+07	7780365
627.9999	748774.2	-56.911	21.16058	11039746	-1.7E+07	7776805
628.1999	748772.1	-56.9022	21.15043	11043097	-1.7E+07	7773243
628.3999	748770	-56.8934	21.14029	11046448	-1.7E+07	7769682
628.5999	748767.9	-56.8846	21.13014	11049798	-1.7E+07	7766119
628.7999	748765.8	-56.8758	21.12	11053148	-1.7E+07	7762557
628.9999	748763.8	-56.867	21.10985	11056497	-1.7E+07	7758994
629.1999	748761.7	-56.8582	21.0997	11059846	-1.7E+07	7755430
629.3999	748759.6	-56.8495	21.08955	11063193	-1.7E+07	7751867
629.5999	748757.6	-56.8407	21.0794	11066541	-1.7E+07	7748302
629.7999	748755.5	-56.8319	21.06925	11069887	-1.7E+07	7744738

629.9999	748753.5	-56.8231	21.0591	11073233	-1.7E+07	7741172
630.1999	748751.5	-56.8143	21.04895	11076579	-1.7E+07	7737607
630.3999	748749.4	-56.8055	21.0388	11079924	-1.7E+07	7734041
630.5999	748747.4	-56.7968	21.02865	11083268	-1.7E+07	7730474
630.7999	748745.4	-56.788	21.0185	11086612	-1.7E+07	7726908
630.9999	748743.4	-56.7792	21.00834	11089955	-1.7E+07	7723340
631.1999	748741.4	-56.7704	20.99819	11093298	-1.7E+07	7719773
631.3999	748739.4	-56.7617	20.98804	11096639	-1.7E+07	7716205
631.5999	748737.5	-56.7529	20.97788	11099981	-1.7E+07	7712636
631.7999	748735.5	-56.7441	20.96773	11103322	-1.7E+07	7709067
631.9999	748733.5	-56.7354	20.95757	11106662	-1.7E+07	7705498
632.1999	748731.6	-56.7266	20.94742	11110001	-1.7E+07	7701928
632.3999	748729.6	-56.7178	20.93726	11113340	-1.7E+07	7698357
632.5999	748727.7	-56.7091	20.9271	11116679	-1.7E+07	7694787
632.7999	748725.8	-56.7003	20.91694	11120016	-1.7E+07	7691216
632.9999	748723.9	-56.6915	20.90679	11123354	-1.7E+07	7687644
633.1999	748721.9	-56.6828	20.89663	11126690	-1.7E+07	7684072
633.3999	748720	-56.674	20.88647	11130026	-1.7E+07	7680500
633.5999	748718.1	-56.6652	20.87631	11133362	-1.7E+07	7676927
633.7999	748716.2	-56.6565	20.86615	11136696	-1.7E+07	7673354
633.9999	748714.4	-56.6477	20.85599	11140031	-1.7E+07	7669780
634.1999	748712.5	-56.639	20.84583	11143364	-1.7E+07	7666206
634.3999	748710.6	-56.6302	20.83566	11146697	-1.7E+07	7662632
634.5999	748708.8	-56.6215	20.8255	11150030	-1.7E+07	7659057
634.7999	748706.9	-56.6127	20.81534	11153361	-1.7E+07	7655481
634.9999	748705.1	-56.604	20.80517	11156693	-1.7E+07	7651906
635.1999	748703.2	-56.5952	20.79501	11160023	-1.7E+07	7648329
635.3999	748701.4	-56.5865	20.78485	11163353	-1.7E+07	7644753
635.5999	748699.6	-56.5777	20.77468	11166683	-1.7E+07	7641176
635.7999	748697.8	-56.569	20.76451	11170011	-1.7E+07	7637598
635.9999	748696	-56.5602	20.75435	11173340	-1.7E+07	7634020
636.1999	748694.2	-56.5515	20.74418	11176667	-1.7E+07	7630442
636.3999	748692.4	-56.5428	20.73401	11179994	-1.7E+07	7626863
636.5999	748690.6	-56.534	20.72385	11183321	-1.7E+07	7623284
636.7999	748688.8	-56.5253	20.71368	11186647	-1.7E+07	7619705
636.9999	748687.1	-56.5165	20.70351	11189972	-1.7E+07	7616125
637.1999	748685.3	-56.5078	20.69334	11193297	-1.7E+07	7612544
637.3999	748683.6	-56.4991	20.68317	11196621	-1.7E+07	7608963
637.5999	748681.8	-56.4903	20.673	11199944	-1.7E+07	7605382
637.7999	748680.1	-56.4816	20.66283	11203267	-1.7E+07	7601800
637.9999	748678.4	-56.4729	20.65265	11206589	-1.7E+07	7598218
638.1999	748676.7	-56.4641	20.64248	11209911	-1.7E+07	7594636
638.3999	748674.9	-56.4554	20.63231	11213232	-1.7E+07	7591053
638.5999	748673.2	-56.4467	20.62214	11216552	-1.7E+07	7587470
638.7999	748671.6	-56.438	20.61196	11219872	-1.7E+07	7583886
638.9999	748669.9	-56.4292	20.60179	11223191	-1.7E+07	7580302
639.1999	748668.2	-56.4205	20.59161	11226510	-1.7E+07	7576717

639.3999	748666.5	-56.4118	20.58144	11229828	-1.7E+07	7573132
639.5999	748664.9	-56.4031	20.57126	11233145	-1.7E+07	7569547
639.7999	748663.2	-56.3944	20.56109	11236462	-1.7E+07	7565961
639.9999	748661.6	-56.3856	20.55091	11239779	-1.7E+07	7562374
640.1999	748659.9	-56.3769	20.54073	11243094	-1.7E+07	7558788
640.3999	748658.3	-56.3682	20.53055	11246409	-1.7E+07	7555201
640.5999	748656.7	-56.3595	20.52037	11249724	-1.7E+07	7551613
640.7999	748655	-56.3508	20.5102	11253037	-1.7E+07	7548025
640.9999	748653.4	-56.3421	20.50002	11256351	-1.7E+07	7544437
641.1999	748651.8	-56.3334	20.48984	11259663	-1.7E+07	7540848
641.3999	748650.2	-56.3246	20.47966	11262975	-1.7E+07	7537259
641.5999	748648.7	-56.3159	20.46947	11266287	-1.7E+07	7533669
641.7999	748647.1	-56.3072	20.45929	11269598	-1.7E+07	7530079
641.9999	748645.5	-56.2985	20.44911	11272908	-1.7E+07	7526489
642.1999	748644	-56.2898	20.43893	11276217	-1.7E+07	7522898
642.3999	748642.4	-56.2811	20.42874	11279527	-1.7E+07	7519307
642.5999	748640.9	-56.2724	20.41856	11282835	-1.7E+07	7515715
642.7999	748639.3	-56.2637	20.40838	11286143	-1.7E+07	7512123
642.9999	748637.8	-56.255	20.39819	11289450	-1.7E+07	7508530
643.1999	748636.3	-56.2463	20.38801	11292757	-1.7E+07	7504937
643.3999	748634.8	-56.2376	20.37782	11296063	-1.7E+07	7501344
643.5999	748633.3	-56.2289	20.36763	11299368	-1.7E+07	7497750
643.7999	748631.8	-56.2202	20.35745	11302673	-1.7E+07	7494156
643.9999	748630.3	-56.2115	20.34726	11305977	-1.7E+07	7490561
644.1999	748628.8	-56.2028	20.33707	11309281	-1.7E+07	7486966
644.3999	748627.3	-56.1942	20.32688	11312583	-1.7E+07	7483371
644.5999	748625.9	-56.1855	20.31669	11315886	-1.7E+07	7479775
644.7999	748624.4	-56.1768	20.3065	11319188	-1.7E+07	7476179
644.9999	748622.9	-56.1681	20.29631	11322489	-1.7E+07	7472582
645.1999	748621.5	-56.1594	20.28612	11325789	-1.7E+07	7468985
645.3999	748620.1	-56.1507	20.27593	11329089	-1.7E+07	7465388
645.5999	748618.6	-56.142	20.26574	11332389	-1.7E+07	7461790
645.7999	748617.2	-56.1334	20.25555	11335687	-1.7E+07	7458191
645.9999	748615.8	-56.1247	20.24535	11338986	-1.7E+07	7454593
646.1999	748614.4	-56.116	20.23516	11342283	-1.7E+07	7450994
646.3999	748613	-56.1073	20.22497	11345580	-1.7E+07	7447394
646.5999	748611.6	-56.0986	20.21477	11348876	-1.7E+07	7443794
646.7999	748610.3	-56.09	20.20458	11352172	-1.7E+07	7440194
646.9999	748608.9	-56.0813	20.19438	11355467	-1.7E+07	7436593
647.1999	748607.5	-56.0726	20.18419	11358762	-1.7E+07	7432992
647.3999	748606.2	-56.0639	20.17399	11362055	-1.7E+07	7429390
647.5999	748604.8	-56.0553	20.16379	11365349	-1.7E+07	7425788
647.7999	748603.5	-56.0466	20.1536	11368641	-1.7E+07	7422186
647.9999	748602.1	-56.0379	20.1434	11371933	-1.7E+07	7418583
648.1999	748600.8	-56.0293	20.1332	11375225	-1.7E+07	7414979
648.3999	748599.5	-56.0206	20.123	11378516	-1.7E+07	7411376
648.5999	748598.2	-56.0119	20.1128	11381806	-1.7E+07	7407772

648.7999	748596.9	-56.0033	20.1026	11385096	-1.7E+07	7404167
648.9999	748595.6	-55.9946	20.0924	11388385	-1.7E+07	7400562
649.1999	748594.3	-55.9859	20.0822	11391673	-1.7E+07	7396957
649.3999	748593.1	-55.9773	20.072	11394961	-1.7E+07	7393351
649.5999	748591.8	-55.9686	20.0618	11398248	-1.7E+07	7389745
649.7999	748590.5	-55.96	20.05159	11401535	-1.7E+07	7386139
649.9999	748589.3	-55.9513	20.04139	11404821	-1.7E+07	7382532
650.1999	748588	-55.9427	20.03119	11408106	-1.7E+07	7378924
650.3999	748586.8	-55.934	20.02098	11411391	-1.7E+07	7375317
650.5999	748585.6	-55.9254	20.01078	11414675	-1.7E+07	7371709
650.7999	748584.3	-55.9167	20.00057	11417958	-1.7E+07	7368100
650.9999	748583.1	-55.908	19.99037	11421241	-1.7E+07	7364491
651.1999	748581.9	-55.8994	19.98016	11424524	-1.7E+07	7360882
651.3999	748580.7	-55.8908	19.96996	11427805	-1.7E+07	7357272
651.5999	748579.5	-55.8821	19.95975	11431087	-1.7E+07	7353662
651.7999	748578.4	-55.8735	19.94954	11434367	-1.7E+07	7350051
651.9999	748577.2	-55.8648	19.93933	11437647	-1.7E+07	7346440
652.1999	748576	-55.8562	19.92912	11440926	-1.7E+07	7342829
652.3999	748574.9	-55.8475	19.91892	11444205	-1.7E+07	7339217
652.5999	748573.7	-55.8389	19.90871	11447483	-1.7E+07	7335605
652.7999	748572.6	-55.8303	19.8985	11450760	-1.7E+07	7331992
652.9999	748571.4	-55.8216	19.88828	11454037	-1.7E+07	7328379
653.1999	748570.3	-55.813	19.87807	11457313	-1.7E+07	7324765
653.3999	748569.2	-55.8043	19.86786	11460589	-1.7E+07	7321152
653.5999	748568.1	-55.7957	19.85765	11463864	-1.7E+07	7317537
653.7999	748567	-55.7871	19.84744	11467138	-1.7E+07	7313923
653.9999	748565.9	-55.7784	19.83722	11470412	-1.7E+07	7310308
654.1999	748564.8	-55.7698	19.82701	11473685	-1.7E+07	7306692
654.3999	748563.7	-55.7612	19.8168	11476958	-1.7E+07	7303076
654.5999	748562.6	-55.7526	19.80658	11480230	-1.7E+07	7299460
654.7999	748561.6	-55.7439	19.79637	11483501	-1.7E+07	7295843
654.9999	748560.5	-55.7353	19.78615	11486772	-1.7E+07	7292226
655.1999	748559.5	-55.7267	19.77593	11490042	-1.7E+07	7288609
655.3999	748558.4	-55.718	19.76572	11493311	-1.7E+07	7284991
655.5999	748557.4	-55.7094	19.7555	11496580	-1.7E+07	7281373
655.7999	748556.4	-55.7008	19.74528	11499848	-1.7E+07	7277754
655.9999	748555.4	-55.6922	19.73506	11503116	-1.7E+07	7274135
656.1999	748554.4	-55.6836	19.72485	11506383	-1.7E+07	7270515
656.3999	748553.4	-55.6749	19.71463	11509650	-1.7E+07	7266896
656.5999	748552.4	-55.6663	19.70441	11512915	-1.7E+07	7263275
656.7999	748551.4	-55.6577	19.69419	11516180	-1.7E+07	7259655
656.9999	748550.4	-55.6491	19.68397	11519445	-1.7E+07	7256033
657.1999	748549.5	-55.6405	19.67374	11522709	-1.7E+07	7252412
657.3999	748548.5	-55.6319	19.66352	11525972	-1.7E+07	7248790
657.5999	748547.6	-55.6233	19.6533	11529235	-1.7E+07	7245168
657.7999	748546.6	-55.6147	19.64308	11532497	-1.7E+07	7241545
657.9999	748545.7	-55.606	19.63285	11535759	-1.7E+07	7237922

658.1999	748544.7	-55.5974	19.62263	11539019	-1.7E+07	7234298
658.3999	748543.8	-55.5888	19.61241	11542280	-1.7E+07	7230674
658.5999	748542.9	-55.5802	19.60218	11545539	-1.7E+07	7227050
658.7999	748542	-55.5716	19.59196	11548798	-1.7E+07	7223425
658.9999	748541.1	-55.563	19.58173	11552057	-1.7E+07	7219800
659.1999	748540.2	-55.5544	19.5715	11555315	-1.7E+07	7216175
659.3999	748539.4	-55.5458	19.56128	11558572	-1.7E+07	7212549
659.5999	748538.5	-55.5372	19.55105	11561828	-1.7E+07	7208923
659.7999	748537.6	-55.5286	19.54082	11565084	-1.7E+07	7205296
659.9999	748536.8	-55.52	19.53059	11568340	-1.7E+07	7201669
660.1999	748535.9	-55.5114	19.52037	11571594	-1.7E+07	7198041
660.3999	748535.1	-55.5028	19.51014	11574848	-1.7E+07	7194413
660.5999	748534.3	-55.4943	19.49991	11578102	-1.7E+07	7190785
660.7999	748533.4	-55.4857	19.48968	11581355	-1.7E+07	7187156
660.9999	748532.6	-55.4771	19.47945	11584607	-1.7E+07	7183527
661.1999	748531.8	-55.4685	19.46921	11587858	-1.7E+07	7179898
661.3999	748531	-55.4599	19.45898	11591109	-1.7E+07	7176268
661.5999	748530.2	-55.4513	19.44875	11594360	-1.7E+07	7172638
661.7999	748529.5	-55.4427	19.43852	11597610	-1.7E+07	7169007
661.9999	748528.7	-55.4341	19.42829	11600859	-1.7E+07	7165376
662.1999	748527.9	-55.4256	19.41805	11604107	-1.7E+07	7161744
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662.7999	748525.7	-55.3998	19.38735	11613849	-1.7E+07	7150848
662.9999	748524.9	-55.3912	19.37711	11617095	-1.7E+07	7147215
663.1999	748524.2	-55.3827	19.36688	11620341	-1.7E+07	7143581
663.3999	748523.5	-55.3741	19.35664	11623585	-1.7E+07	7139947
663.5999	748522.8	-55.3655	19.3464	11626830	-1.7E+07	7136313
663.7999	748522.1	-55.3569	19.33616	11630073	-1.7E+07	7132678
663.9999	748521.4	-55.3484	19.32593	11633316	-1.7E+07	7129043
664.1999	748520.7	-55.3398	19.31569	11636558	-1.7E+07	7125408
664.3999	748520	-55.3312	19.30545	11639800	-1.7E+07	7121772
664.5999	748519.4	-55.3226	19.29521	11643041	-1.7E+07	7118136
664.7999	748518.7	-55.3141	19.28497	11646282	-1.7E+07	7114499
664.9999	748518	-55.3055	19.27473	11649521	-1.7E+07	7110862
665.1999	748517.4	-55.2969	19.26449	11652761	-1.7E+07	7107225
665.3999	748516.8	-55.2884	19.25425	11655999	-1.7E+07	7103587
665.5999	748516.1	-55.2798	19.244	11659237	-1.7E+07	7099949
665.7999	748515.5	-55.2712	19.23376	11662475	-1.7E+07	7096310
665.9999	748514.9	-55.2627	19.22352	11665711	-1.7E+07	7092671
666.1999	748514.3	-55.2541	19.21328	11668947	-1.7E+07	7089032
666.3999	748513.7	-55.2456	19.20303	11672183	-1.7E+07	7085392
666.5999	748513.1	-55.237	19.19279	11675418	-1.7E+07	7081752
666.7999	748512.5	-55.2285	19.18254	11678652	-1.7E+07	7078112
666.9999	748511.9	-55.2199	19.1723	11681886	-1.7E+07	7074471
667.1999	748511.4	-55.2113	19.16205	11685119	-1.7E+07	7070829
667.3999	748510.8	-55.2028	19.15181	11688351	-1.7E+07	7067188

667.5999	748510.3	-55.1942	19.14156	11691583	-1.7E+07	7063546
667.7999	748509.7	-55.1857	19.13131	11694814	-1.7E+07	7059903
667.9999	748509.2	-55.1771	19.12106	11698044	-1.7E+07	7056260
668.1999	748508.7	-55.1686	19.11082	11701274	-1.7E+07	7052617
668.3999	748508.2	-55.16	19.10057	11704504	-1.7E+07	7048973
668.5999	748507.7	-55.1515	19.09032	11707732	-1.7E+07	7045329
668.7999	748507.2	-55.143	19.08007	11710960	-1.7E+07	7041685
668.9999	748506.7	-55.1344	19.06982	11714188	-1.7E+07	7038040
669.1999	748506.2	-55.1259	19.05957	11717414	-1.7E+07	7034395
669.3999	748505.7	-55.1173	19.04932	11720641	-1.7E+07	7030749
669.5999	748505.2	-55.1088	19.03906	11723866	-1.7E+07	7027103
669.7999	748504.8	-55.1002	19.02881	11727091	-1.7E+07	7023457
669.9999	748504.3	-55.0917	19.01856	11730315	-1.7E+07	7019810
670.1999	748503.9	-55.0832	19.00831	11733539	-1.7E+07	7016163
670.3999	748503.4	-55.0746	18.99805	11736762	-1.7E+07	7012515
670.5999	748503	-55.0661	18.9878	11739984	-1.7E+07	7008867
670.7999	748502.6	-55.0576	18.97754	11743206	-1.7E+07	7005219
670.9999	748502.2	-55.049	18.96729	11746427	-1.7E+07	7001570
671.1999	748501.8	-55.0405	18.95703	11749648	-1.7E+07	6997921
671.3999	748501.4	-55.032	18.94678	11752867	-1.7E+07	6994272
671.5999	748501	-55.0234	18.93652	11756087	-1.7E+07	6990622
671.7999	748500.6	-55.0149	18.92627	11759305	-1.7E+07	6986972
671.9999	748500.2	-55.0064	18.91601	11762523	-1.7E+07	6983321
672.1999	748499.9	-54.9979	18.90575	11765741	-1.7E+07	6979670
672.3999	748499.5	-54.9893	18.89549	11768957	-1.7E+07	6976019
672.5999	748499.2	-54.9808	18.88523	11772174	-1.7E+07	6972367
672.7999	748498.8	-54.9723	18.87497	11775389	-1.7E+07	6968715
672.9999	748498.5	-54.9638	18.86471	11778604	-1.7E+07	6965062
673.1999	748498.2	-54.9552	18.85445	11781818	-1.7E+07	6961409
673.3999	748497.9	-54.9467	18.84419	11785032	-1.7E+07	6957756
673.5999	748497.5	-54.9382	18.83393	11788245	-1.7E+07	6954102
673.7999	748497.3	-54.9297	18.82367	11791457	-1.7E+07	6950448
673.9999	748497	-54.9212	18.81341	11794669	-1.7E+07	6946793
674.1999	748496.7	-54.9127	18.80315	11797880	-1.7E+07	6943139
674.3999	748496.4	-54.9042	18.79288	11801090	-1.7E+07	6939483
674.5999	748496.1	-54.8956	18.78262	11804300	-1.7E+07	6935828
674.7999	748495.9	-54.8871	18.77236	11807509	-1.7E+07	6932172
674.9999	748495.6	-54.8786	18.76209	11810718	-1.7E+07	6928515
675.1999	748495.4	-54.8701	18.75183	11813926	-1.7E+07	6924858
675.3999	748495.2	-54.8616	18.74156	11817133	-1.7E+07	6921201
675.5999	748494.9	-54.8531	18.7313	11820340	-1.7E+07	6917544
675.7999	748494.7	-54.8446	18.72103	11823546	-1.7E+07	6913886
675.9999	748494.5	-54.8361	18.71076	11826752	-1.7E+07	6910227
676.1999	748494.3	-54.8276	18.7005	11829956	-1.7E+07	6906569
676.3999	748494.1	-54.8191	18.69023	11833161	-1.7E+07	6902909
676.5999	748493.9	-54.8106	18.67996	11836364	-1.7E+07	6899250
676.7999	748493.7	-54.8021	18.66969	11839567	-1.7E+07	6895590

676.9999	748493.6	-54.7936	18.65942	11842769	-1.7E+07	6891930
677.1999	748493.4	-54.7851	18.64915	11845971	-1.7E+07	6888269
677.3999	748493.3	-54.7766	18.63888	11849172	-1.7E+07	6884608
677.5999	748493.1	-54.7681	18.62861	11852372	-1.7E+07	6880947
677.7999	748493	-54.7596	18.61834	11855572	-1.7E+07	6877285
677.9999	748492.8	-54.7511	18.60807	11858771	-1.7E+07	6873623
678.1999	748492.7	-54.7426	18.5978	11861970	-1.7E+07	6869960
678.3999	748492.6	-54.7341	18.58752	11865168	-1.7E+07	6866297
678.5999	748492.5	-54.7256	18.57725	11868365	-1.7E+07	6862634
678.7999	748492.4	-54.7171	18.56698	11871561	-1.7E+07	6858971
678.9999	748492.3	-54.7087	18.5567	11874757	-1.7E+07	6855306
679.1999	748492.2	-54.7002	18.54643	11877953	-1.7E+07	6851642
679.3999	748492.2	-54.6917	18.53616	11881148	-1.7E+07	6847977
679.5999	748492.1	-54.6832	18.52588	11884342	-1.7E+07	6844312
679.7999	748492.1	-54.6747	18.51561	11887535	-1.7E+07	6840646
679.9999	748492	-54.6662	18.50533	11890728	-1.7E+07	6836981
680.1999	748492	-54.6578	18.49505	11893920	-1.7E+07	6833314
680.3999	748491.9	-54.6493	18.48478	11897112	-1.7E+07	6829648
680.5999	748491.9	-54.6408	18.4745	11900302	-1.7E+07	6825980
680.7999	748491.9	-54.6323	18.46422	11903493	-1.7E+07	6822313
680.9999	748491.9	-54.6238	18.45394	11906682	-1.7E+07	6818645
681.1999	748491.9	-54.6154	18.44366	11909871	-1.7E+07	6814977
681.3999	748491.9	-54.6069	18.43338	11913060	-1.7E+07	6811308
681.5999	748491.9	-54.5984	18.4231	11916248	-1.7E+07	6807639
681.7999	748491.9	-54.5899	18.41282	11919435	-1.7E+07	6803970
681.9999	748492	-54.5815	18.40254	11922621	-1.7E+07	6800300
682.1999	748492	-54.573	18.39226	11925807	-1.7E+07	6796630
682.3999	748492.1	-54.5645	18.38198	11928992	-1.7E+07	6792960
682.5999	748492.1	-54.5561	18.3717	11932177	-1.7E+07	6789289
682.7999	748492.2	-54.5476	18.36142	11935361	-1.7E+07	6785618
682.9999	748492.3	-54.5391	18.35113	11938544	-1.7E+07	6781946
683.1999	748492.4	-54.5307	18.34085	11941727	-1.7E+07	6778274
683.3999	748492.4	-54.5222	18.33057	11944909	-1.7E+07	6774602
683.5999	748492.5	-54.5137	18.32028	11948090	-1.7E+07	6770929
683.7999	748492.7	-54.5053	18.31	11951271	-1.7E+07	6767256
683.9999	748492.8	-54.4968	18.29971	11954451	-1.7E+07	6763582
684.1999	748492.9	-54.4884	18.28943	11957630	-1.7E+07	6759909
684.3999	748493	-54.4799	18.27914	11960809	-1.7E+07	6756234
684.5999	748493.2	-54.4715	18.26885	11963988	-1.7E+07	6752560
684.7999	748493.3	-54.463	18.25857	11967165	-1.7E+07	6748885
684.9999	748493.5	-54.4545	18.24828	11970342	-1.7E+07	6745210
685.1999	748493.6	-54.4461	18.23799	11973518	-1.7E+07	6741534
685.3999	748493.8	-54.4376	18.2277	11976694	-1.7E+07	6737858
685.5999	748494	-54.4292	18.21741	11979869	-1.7E+07	6734181
685.7999	748494.2	-54.4207	18.20712	11983043	-1.7E+07	6730504
685.9999	748494.4	-54.4123	18.19683	11986217	-1.7E+07	6726827
686.1999	748494.6	-54.4038	18.18654	11989390	-1.7E+07	6723150

686.3999	748494.8	-54.3954	18.17625	11992563	-1.7E+07	6719472
686.5999	748495	-54.3869	18.16596	11995735	-1.7E+07	6715793
686.7999	748495.3	-54.3785	18.15567	11998906	-1.7E+07	6712115
686.9999	748495.5	-54.3701	18.14538	12002076	-1.7E+07	6708436
687.1999	748495.7	-54.3616	18.13509	12005246	-1.7E+07	6704756
687.3999	748496	-54.3532	18.12479	12008416	-1.7E+07	6701076
687.5999	748496.3	-54.3447	18.1145	12011584	-1.7E+07	6697396
687.7999	748496.5	-54.3363	18.10421	12014752	-1.7E+07	6693716
687.9999	748496.8	-54.3279	18.09391	12017920	-1.7E+07	6690035
688.1999	748497.1	-54.3194	18.08362	12021086	-1.7E+07	6686353
688.3999	748497.4	-54.311	18.07332	12024253	-1.7E+07	6682672
688.5999	748497.7	-54.3025	18.06303	12027418	-1.7E+07	6678990
688.7999	748498	-54.2941	18.05273	12030583	-1.7E+07	6675307
688.9999	748498.3	-54.2857	18.04243	12033747	-1.7E+07	6671625
689.1999	748498.7	-54.2772	18.03214	12036911	-1.7E+07	6667941
689.3999	748499	-54.2688	18.02184	12040073	-1.7E+07	6664258
689.5999	748499.3	-54.2604	18.01154	12043236	-1.7E+07	6660574
689.7999	748499.7	-54.252	18.00124	12046397	-1.7E+07	6656890
689.9999	748500.1	-54.2435	17.99094	12049558	-1.7E+07	6653205
690.1999	748500.4	-54.2351	17.98065	12052719	-1.7E+07	6649520
690.3999	748500.8	-54.2267	17.97035	12055878	-1.7E+07	6645835
690.5999	748501.2	-54.2183	17.96005	12059037	-1.7E+07	6642149
690.7999	748501.6	-54.2098	17.94975	12062196	-1.7E+07	6638463
690.9999	748502	-54.2014	17.93944	12065354	-1.7E+07	6634777
691.1999	748502.4	-54.193	17.92914	12068511	-1.7E+07	6631090
691.3999	748502.8	-54.1846	17.91884	12071667	-1.7E+07	6627403
691.5999	748503.2	-54.1762	17.90854	12074823	-1.7E+07	6623715
691.7999	748503.7	-54.1677	17.89824	12077978	-1.7E+07	6620027
691.9999	748504.1	-54.1593	17.88793	12081133	-1.7E+07	6616339
692.1999	748504.6	-54.1509	17.87763	12084287	-1.7E+07	6612650
692.3999	748505	-54.1425	17.86733	12087440	-1.7E+07	6608961
692.5999	748505.5	-54.1341	17.85702	12090593	-1.7E+07	6605272
692.7999	748506	-54.1257	17.84672	12093745	-1.7E+07	6601582
692.9999	748506.5	-54.1172	17.83641	12096896	-1.7E+07	6597892
693.1999	748507	-54.1088	17.8261	12100047	-1.7E+07	6594202
693.3999	748507.5	-54.1004	17.8158	12103197	-1.7E+07	6590511
693.5999	748508	-54.092	17.80549	12106346	-1.7E+07	6586819
693.7999	748508.5	-54.0836	17.79518	12109495	-1.7E+07	6583128
693.9999	748509	-54.0752	17.78488	12112643	-1.7E+07	6579436
694.1999	748509.6	-54.0668	17.77457	12115791	-1.7E+07	6575744
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694.5999	748510.7	-54.05	17.75395	12122084	-1.7E+07	6568358
694.7999	748511.2	-54.0416	17.74364	12125229	-1.7E+07	6564665
694.9999	748511.8	-54.0332	17.73333	12128374	-1.7E+07	6560971
695.1999	748512.4	-54.0248	17.72302	12131519	-1.7E+07	6557277
695.3999	748512.9	-54.0164	17.71271	12134662	-1.7E+07	6553582
695.5999	748513.5	-54.008	17.7024	12137805	-1.7E+07	6549887

695.7999	748514.1	-53.9996	17.69209	12140947	-1.7E+07	6546192
695.9999	748514.7	-53.9912	17.68178	12144089	-1.7E+07	6542497
696.1999	748515.4	-53.9828	17.67147	12147230	-1.7E+07	6538801
696.3999	748516	-53.9744	17.66115	12150371	-1.7E+07	6535104
696.5999	748516.6	-53.966	17.65084	12153510	-1.7E+07	6531408
696.7999	748517.3	-53.9576	17.64053	12156650	-1.7E+07	6527711
696.9999	748517.9	-53.9492	17.63021	12159788	-1.7E+07	6524013
697.1999	748518.6	-53.9408	17.6199	12162926	-1.7E+07	6520316
697.3999	748519.2	-53.9325	17.60958	12166063	-1.7E+07	6516618
697.5999	748519.9	-53.9241	17.59927	12169200	-1.7E+07	6512919
697.7999	748520.6	-53.9157	17.58895	12172335	-1.7E+07	6509220
697.9999	748521.3	-53.9073	17.57863	12175471	-1.7E+07	6505521
698.1999	748522	-53.8989	17.56832	12178605	-1.7E+07	6501822
698.3999	748522.7	-53.8905	17.558	12181739	-1.7E+07	6498122
698.5999	748523.4	-53.8822	17.54768	12184873	-1.7E+07	6494421
698.7999	748524.1	-53.8738	17.53736	12188005	-1.7E+07	6490721
698.9999	748524.9	-53.8654	17.52705	12191137	-1.7E+07	6487020
699.1999	748525.6	-53.857	17.51673	12194269	-1.7E+07	6483318
699.3999	748526.4	-53.8486	17.50641	12197399	-1.7E+07	6479617
699.5999	748527.1	-53.8403	17.49609	12200529	-1.7E+07	6475915
699.7999	748527.9	-53.8319	17.48577	12203659	-1.7E+07	6472212
699.9999	748528.7	-53.8235	17.47545	12206788	-1.7E+07	6468510
700.1999	748529.4	-53.8151	17.46513	12209916	-1.7E+07	6464806
700.3999	748530.2	-53.8068	17.45481	12213043	-1.7E+07	6461103
700.5999	748531	-53.7984	17.44448	12216170	-1.7E+07	6457399
700.7999	748531.8	-53.79	17.43416	12219296	-1.7E+07	6453695
700.9999	748532.6	-53.7816	17.42384	12222422	-1.7E+07	6449990
701.1999	748533.5	-53.7733	17.41352	12225547	-1.7E+07	6446285
701.3999	748534.3	-53.7649	17.40319	12228671	-1.7E+07	6442580
701.5999	748535.1	-53.7565	17.39287	12231794	-1.7E+07	6438875
701.7999	748536	-53.7482	17.38254	12234917	-1.7E+07	6435169
701.9999	748536.9	-53.7398	17.37222	12238040	-1.7E+07	6431462
702.1999	748537.7	-53.7314	17.36189	12241161	-1.7E+07	6427756
702.3999	748538.6	-53.7231	17.35157	12244282	-1.7E+07	6424048
702.5999	748539.5	-53.7147	17.34124	12247403	-1.7E+07	6420341
702.7999	748540.4	-53.7064	17.33091	12250522	-1.7E+07	6416633
702.9999	748541.3	-53.698	17.32059	12253641	-1.7E+07	6412925
703.1999	748542.2	-53.6896	17.31026	12256760	-1.7E+07	6409217
703.3999	748543.1	-53.6813	17.29993	12259877	-1.7E+07	6405508
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703.7999	748544.9	-53.6646	17.27928	12266111	-1.7E+07	6398089
703.9999	748545.9	-53.6562	17.26895	12269227	-1.7E+07	6394379
704.1999	748546.8	-53.6479	17.25862	12272342	-1.7E+07	6390669
704.3999	748547.8	-53.6395	17.24829	12275456	-1.7E+07	6386958
704.5999	748548.8	-53.6312	17.23796	12278570	-1.7E+07	6383247
704.7999	748549.7	-53.6228	17.22763	12281683	-1.7E+07	6379536
704.9999	748550.7	-53.6145	17.21729	12284796	-1.7E+07	6375825

705.1999	748551.7	-53.6061	17.20696	12287908	-1.7E+07	6372113
705.3999	748552.7	-53.5978	17.19663	12291019	-1.7E+07	6368400
705.5999	748553.7	-53.5894	17.1863	12294130	-1.7E+07	6364687
705.7999	748554.7	-53.5811	17.17597	12297240	-1.7E+07	6360974
705.9999	748555.7	-53.5727	17.16563	12300349	-1.7E+07	6357261
706.1999	748556.8	-53.5644	17.1553	12303457	-1.7E+07	6353547
706.3999	748557.8	-53.5561	17.14496	12306565	-1.7E+07	6349833
706.5999	748558.9	-53.5477	17.13463	12309673	-1.7E+07	6346119
706.7999	748559.9	-53.5394	17.1243	12312779	-1.7E+07	6342404
706.9999	748561	-53.531	17.11396	12315885	-1.7E+07	6338689
707.1999	748562.1	-53.5227	17.10362	12318991	-1.7E+07	6334973
707.3999	748563.1	-53.5144	17.09329	12322095	-1.7E+07	6331257
707.5999	748564.2	-53.506	17.08295	12325199	-1.7E+07	6327541
707.7999	748565.3	-53.4977	17.07261	12328303	-1.7E+07	6323824
707.9999	748566.4	-53.4894	17.06228	12331406	-1.7E+07	6320107
708.1999	748567.5	-53.481	17.05194	12334508	-1.7E+07	6316390
708.3999	748568.7	-53.4727	17.0416	12337609	-1.7E+07	6312673
708.5999	748569.8	-53.4644	17.03126	12340710	-1.7E+07	6308955
708.7999	748570.9	-53.456	17.02092	12343810	-1.7E+07	6305236
708.9999	748572.1	-53.4477	17.01058	12346909	-1.7E+07	6301518
709.1999	748573.2	-53.4394	17.00024	12350008	-1.7E+07	6297799
709.3999	748574.4	-53.431	16.9899	12353106	-1.7E+07	6294079
709.5999	748575.6	-53.4227	16.97956	12356204	-1.7E+07	6290360
709.7999	748576.8	-53.4144	16.96922	12359301	-1.7E+07	6286639
709.9999	748578	-53.4061	16.95888	12362397	-1.7E+07	6282919
710.1999	748579.2	-53.3977	16.94854	12365492	-1.7E+07	6279198
710.3999	748580.4	-53.3894	16.93819	12368587	-1.7E+07	6275477
710.5999	748581.6	-53.3811	16.92785	12371682	-1.7E+07	6271756
710.7999	748582.8	-53.3728	16.91751	12374775	-1.7E+07	6268034
710.9999	748584	-53.3645	16.90716	12377868	-1.7E+07	6264312
711.1999	748585.3	-53.3561	16.89682	12380960	-1.7E+07	6260589
711.3999	748586.5	-53.3478	16.88648	12384052	-1.7E+07	6256866
711.5999	748587.8	-53.3395	16.87613	12387143	-1.7E+07	6253143
711.7999	748589	-53.3312	16.86579	12390233	-1.7E+07	6249420
711.9999	748590.3	-53.3229	16.85544	12393323	-1.7E+07	6245696
712.1999	748591.6	-53.3146	16.84509	12396412	-1.7E+07	6241972
712.3999	748592.9	-53.3063	16.83475	12399500	-1.7E+07	6238247
712.5999	748594.2	-53.2979	16.8244	12402588	-1.7E+07	6234522
712.7999	748595.5	-53.2896	16.81405	12405675	-1.7E+07	6230797
712.9999	748596.8	-53.2813	16.8037	12408761	-1.7E+07	6227071
713.1999	748598.1	-53.273	16.79336	12411847	-1.7E+07	6223345
713.3999	748599.5	-53.2647	16.78301	12414932	-1.7E+07	6219619
713.5999	748600.8	-53.2564	16.77266	12418016	-1.7E+07	6215892
713.7999	748602.2	-53.2481	16.76231	12421100	-1.7E+07	6212165
713.9999	748603.5	-53.2398	16.75196	12424183	-1.7E+07	6208438
714.1999	748604.9	-53.2315	16.74161	12427265	-1.7E+07	6204710
714.3999	748606.3	-53.2232	16.73126	12430347	-1.7E+07	6200982

714.5999	748607.6	-53.2149	16.72091	12433428	-1.7E+07	6197254
714.7999	748609	-53.2066	16.71056	12436509	-1.7E+07	6193525
714.9999	748610.4	-53.1983	16.7002	12439588	-1.7E+07	6189796
715.1999	748611.8	-53.19	16.68985	12442667	-1.7E+07	6186067
715.3999	748613.3	-53.1817	16.6795	12445746	-1.7E+07	6182337
715.5999	748614.7	-53.1734	16.66915	12448824	-1.7E+07	6178607
715.7999	748616.1	-53.1651	16.65879	12451901	-1.7E+07	6174877
715.9999	748617.5	-53.1568	16.64844	12454977	-1.7E+07	6171146
716.1999	748619	-53.1485	16.63809	12458053	-1.7E+07	6167415
716.3999	748620.5	-53.1402	16.62773	12461128	-1.7E+07	6163683
716.5999	748621.9	-53.1319	16.61738	12464203	-1.7E+07	6159952
716.7999	748623.4	-53.1236	16.60702	12467277	-1.7E+07	6156219
716.9999	748624.9	-53.1153	16.59666	12470350	-1.7E+07	6152487
717.1999	748626.4	-53.1071	16.58631	12473422	-1.7E+07	6148754
717.3999	748627.9	-53.0988	16.57595	12476494	-1.7E+07	6145021
717.5999	748629.4	-53.0905	16.56559	12479565	-1.7E+07	6141288
717.7999	748630.9	-53.0822	16.55524	12482636	-1.7E+07	6137554
717.9999	748632.4	-53.0739	16.54488	12485706	-1.7E+07	6133820
718.1999	748634	-53.0656	16.53452	12488775	-1.7E+07	6130085
718.3999	748635.5	-53.0573	16.52416	12491843	-1.7E+07	6126350
718.5999	748637	-53.0491	16.5138	12494911	-1.7E+07	6122615
718.7999	748638.6	-53.0408	16.50344	12497978	-1.7E+07	6118879
718.9999	748640.2	-53.0325	16.49308	12501045	-1.7E+07	6115144
719.1999	748641.7	-53.0242	16.48272	12504111	-1.7E+07	6111407
719.3999	748643.3	-53.0159	16.47236	12507176	-1.7E+07	6107671
719.5999	748644.9	-53.0077	16.462	12510241	-1.7E+07	6103934
719.7999	748646.5	-52.9994	16.45164	12513305	-1.7E+07	6100197
719.9999	748648.1	-52.9911	16.44128	12516368	-1.7E+07	6096459
720.1999	748649.8	-52.9828	16.43092	12519430	-1.7E+07	6092721
720.3999	748651.4	-52.9746	16.42055	12522492	-1.7E+07	6088983
720.5999	748653	-52.9663	16.41019	12525554	-1.7E+07	6085245
720.7999	748654.7	-52.958	16.39983	12528614	-1.7E+07	6081506
720.9999	748656.3	-52.9498	16.38946	12531674	-1.7E+07	6077766
721.1999	748658	-52.9415	16.3791	12534733	-1.7E+07	6074027
721.3999	748659.6	-52.9332	16.36873	12537792	-1.7E+07	6070287
721.5999	748661.3	-52.925	16.35837	12540850	-1.7E+07	6066547
721.7999	748663	-52.9167	16.348	12543907	-1.7E+07	6062806
721.9999	748664.7	-52.9084	16.33764	12546964	-1.7E+07	6059065
722.1999	748666.4	-52.9002	16.32727	12550020	-1.7E+07	6055324
722.3999	748668.1	-52.8919	16.3169	12553075	-1.7E+07	6051582
722.5999	748669.8	-52.8836	16.30654	12556130	-1.7E+07	6047840
722.7999	748671.5	-52.8754	16.29617	12559183	-1.7E+07	6044098
722.9999	748673.3	-52.8671	16.2858	12562237	-1.7E+07	6040356
723.1999	748675	-52.8589	16.27543	12565289	-1.7E+07	6036613
723.3999	748676.8	-52.8506	16.26506	12568341	-1.7E+07	6032869
723.5999	748678.5	-52.8423	16.2547	12571393	-1.7E+07	6029126
723.7999	748680.3	-52.8341	16.24433	12574443	-1.7E+07	6025382

723.9999	748682.1	-52.8258	16.23396	12577493	-1.7E+07	6021638
724.1999	748683.9	-52.8176	16.22359	12580542	-1.7E+07	6017893
724.3999	748685.7	-52.8093	16.21322	12583591	-1.7E+07	6014148
724.5999	748687.5	-52.8011	16.20284	12586639	-1.7E+07	6010403
724.7999	748689.3	-52.7928	16.19247	12589686	-1.7E+07	6006657
724.9999	748691.1	-52.7846	16.1821	12592733	-1.7E+07	6002911
725.1999	748692.9	-52.7763	16.17173	12595779	-1.7E+07	5999165
725.3999	748694.8	-52.7681	16.16136	12598824	-1.7E+07	5995419
725.5999	748696.6	-52.7598	16.15098	12601869	-1.7E+07	5991672
725.7999	748698.5	-52.7516	16.14061	12604913	-1.7E+07	5987924
725.9999	748700.3	-52.7433	16.13024	12607956	-1.7E+07	5984177
726.1999	748702.2	-52.7351	16.11986	12610999	-1.7E+07	5980429
726.3999	748704.1	-52.7268	16.10949	12614041	-1.7E+07	5976681
726.5999	748706	-52.7186	16.09911	12617082	-1.7E+07	5972932
726.7999	748707.9	-52.7103	16.08874	12620123	-1.7E+07	5969183
726.9999	748709.8	-52.7021	16.07836	12623163	-1.7E+07	5965434
727.1999	748711.7	-52.6939	16.06799	12626202	-1.7E+07	5961684
727.3999	748713.6	-52.6856	16.05761	12629240	-1.7E+07	5957934
727.5999	748715.5	-52.6774	16.04723	12632278	-1.7E+07	5954184
727.7999	748717.5	-52.6691	16.03686	12635316	-1.7E+07	5950434
727.9999	748719.4	-52.6609	16.02648	12638352	-1.7E+07	5946683
728.1999	748721.4	-52.6527	16.0161	12641388	-1.7E+07	5942932
728.3999	748723.3	-52.6444	16.00572	12644424	-1.7E+07	5939180
728.5999	748725.3	-52.6362	15.99534	12647458	-1.7E+07	5935428
728.7999	748727.3	-52.628	15.98497	12650492	-1.7E+07	5931676
728.9999	748729.3	-52.6197	15.97459	12653525	-1.7E+07	5927923
729.1999	748731.3	-52.6115	15.96421	12656558	-1.7E+07	5924171
729.3999	748733.3	-52.6033	15.95383	12659590	-1.7E+07	5920417
729.5999	748735.3	-52.595	15.94344	12662621	-1.7E+07	5916664
729.7999	748737.3	-52.5868	15.93306	12665652	-1.7E+07	5912910
729.9999	748739.3	-52.5786	15.92268	12668682	-1.7E+07	5909156
730.1999	748741.4	-52.5704	15.9123	12671711	-1.7E+07	5905401
730.3999	748743.4	-52.5621	15.90192	12674740	-1.7E+07	5901646
730.5999	748745.5	-52.5539	15.89154	12677767	-1.7E+07	5897891
730.7999	748747.6	-52.5457	15.88115	12680795	-1.7E+07	5894136
730.9999	748749.6	-52.5375	15.87077	12683821	-1.7E+07	5890380
731.1999	748751.7	-52.5292	15.86039	12686847	-1.7E+07	5886624
731.3999	748753.8	-52.521	15.85	12689872	-1.7E+07	5882867
731.5999	748755.9	-52.5128	15.83962	12692897	-1.7E+07	5879111
731.7999	748758	-52.5046	15.82923	12695921	-1.7E+07	5875354
731.9999	748760.1	-52.4964	15.81885	12698944	-1.7E+07	5871596
732.1999	748762.2	-52.4881	15.80846	12701967	-1.7E+07	5867838
732.3999	748764.4	-52.4799	15.79808	12704988	-1.7E+07	5864080
732.5999	748766.5	-52.4717	15.78769	12708010	-1.7E+07	5860322
732.7999	748768.7	-52.4635	15.7773	12711030	-1.7E+07	5856563
732.9999	748770.8	-52.4553	15.76692	12714050	-1.7E+07	5852804
733.1999	748773	-52.4471	15.75653	12717069	-1.7E+07	5849045

733.3999	748775.2	-52.4389	15.74614	12720088	-1.7E+07	5845285
733.5999	748777.4	-52.4306	15.73575	12723106	-1.7E+07	5841525
733.7999	748779.5	-52.4224	15.72536	12726123	-1.7E+07	5837765
733.9999	748781.7	-52.4142	15.71498	12729139	-1.7E+07	5834004
734.1999	748784	-52.406	15.70459	12732155	-1.7E+07	5830243
734.3999	748786.2	-52.3978	15.6942	12735170	-1.7E+07	5826482
734.5999	748788.4	-52.3896	15.68381	12738185	-1.7E+07	5822720
734.7999	748790.6	-52.3814	15.67342	12741199	-1.7E+07	5818958
734.9999	748792.9	-52.3732	15.66302	12744212	-1.7E+07	5815196
735.1999	748795.1	-52.365	15.65263	12747224	-1.7E+07	5811433
735.3999	748797.4	-52.3568	15.64224	12750236	-1.7E+07	5807670
735.5999	748799.7	-52.3486	15.63185	12753247	-1.7E+07	5803907
735.7999	748801.9	-52.3404	15.62146	12756257	-1.7E+07	5800143
735.9999	748804.2	-52.3322	15.61106	12759267	-1.7E+07	5796380
736.1999	748806.5	-52.324	15.60067	12762276	-1.7E+07	5792615
736.3999	748808.8	-52.3158	15.59028	12765285	-1.7E+07	5788851
736.5999	748811.1	-52.3076	15.57988	12768292	-1.7E+07	5785086
736.7999	748813.4	-52.2994	15.56949	12771299	-1.7E+07	5781321
736.9999	748815.8	-52.2912	15.5591	12774306	-1.7E+07	5777555
737.1999	748818.1	-52.283	15.5487	12777312	-1.7E+07	5773789
737.3999	748820.5	-52.2748	15.53831	12780317	-1.7E+07	5770023
737.5999	748822.8	-52.2666	15.52791	12783321	-1.7E+07	5766257
737.7999	748825.2	-52.2584	15.51751	12786325	-1.7E+07	5762490
737.9999	748827.5	-52.2502	15.50712	12789328	-1.7E+07	5758723
738.1999	748829.9	-52.242	15.49672	12792330	-1.7E+07	5754956
738.3999	748832.3	-52.2339	15.48632	12795332	-1.7E+07	5751188
738.5999	748834.7	-52.2257	15.47593	12798333	-1.7E+07	5747420
738.7999	748837.1	-52.2175	15.46553	12801333	-1.7E+07	5743651
738.9999	748839.5	-52.2093	15.45513	12804333	-1.7E+07	5739883
739.1999	748841.9	-52.2011	15.44473	12807332	-1.7E+07	5736114
739.3999	748844.4	-52.1929	15.43433	12810330	-1.7E+07	5732344
739.5999	748846.8	-52.1847	15.42393	12813327	-1.7E+07	5728575
739.7999	748849.3	-52.1766	15.41353	12816324	-1.7E+07	5724805
739.9999	748851.7	-52.1684	15.40313	12819321	-1.7E+07	5721035
740.1999	748854.2	-52.1602	15.39273	12822316	-1.7E+07	5717264
740.3999	748856.7	-52.152	15.38233	12825311	-1.7E+07	5713493
740.5999	748859.1	-52.1438	15.37193	12828305	-1.7E+07	5709722
740.7999	748861.6	-52.1357	15.36153	12831299	-1.7E+07	5705950
740.9999	748864.1	-52.1275	15.35113	12834292	-1.7E+07	5702178
741.1999	748866.6	-52.1193	15.34072	12837284	-1.7E+07	5698406
741.3999	748869.2	-52.1111	15.33032	12840275	-1.7E+07	5694634
741.5999	748871.7	-52.103	15.31992	12843266	-1.6E+07	5690861
741.7999	748874.2	-52.0948	15.30952	12846256	-1.6E+07	5687088
741.9999	748876.7	-52.0866	15.29911	12849246	-1.6E+07	5683314
742.1999	748879.3	-52.0784	15.28871	12852235	-1.6E+07	5679541
742.3999	748881.9	-52.0703	15.2783	12855223	-1.6E+07	5675767
742.5999	748884.4	-52.0621	15.2679	12858210	-1.6E+07	5671992

742.7999	748887	-52.0539	15.25749	12861197	-1.6E+07	5668218
742.9999	748889.6	-52.0458	15.24709	12864183	-1.6E+07	5664443
743.1999	748892.2	-52.0376	15.23668	12867168	-1.6E+07	5660667
743.3999	748894.8	-52.0294	15.22628	12870153	-1.6E+07	5656892
743.5999	748897.4	-52.0213	15.21587	12873137	-1.6E+07	5653116
743.7999	748900	-52.0131	15.20546	12876120	-1.6E+07	5649339
743.9999	748902.6	-52.0049	15.19505	12879103	-1.6E+07	5645563
744.1999	748905.3	-51.9968	15.18465	12882085	-1.6E+07	5641786
744.3999	748907.9	-51.9886	15.17424	12885066	-1.6E+07	5638009
744.5999	748910.6	-51.9804	15.16383	12888047	-1.6E+07	5634231
744.7999	748913.2	-51.9723	15.15342	12891027	-1.6E+07	5630453
744.9999	748915.9	-51.9641	15.14301	12894006	-1.6E+07	5626675
745.1999	748918.6	-51.956	15.1326	12896985	-1.6E+07	5622897
745.3999	748921.3	-51.9478	15.12219	12899963	-1.6E+07	5619118
745.5999	748923.9	-51.9396	15.11178	12902940	-1.6E+07	5615339
745.7999	748926.7	-51.9315	15.10137	12905917	-1.6E+07	5611560
745.9999	748929.4	-51.9233	15.09096	12908892	-1.6E+07	5607780
746.1999	748932.1	-51.9152	15.08055	12911868	-1.6E+07	5604000
746.3999	748934.8	-51.907	15.07014	12914842	-1.6E+07	5600220
746.5999	748937.6	-51.8989	15.05973	12917816	-1.6E+07	5596439
746.7999	748940.3	-51.8907	15.04931	12920789	-1.6E+07	5592658
746.9999	748943.1	-51.8826	15.0389	12923762	-1.6E+07	5588877
747.1999	748945.8	-51.8744	15.02849	12926733	-1.6E+07	5585095
747.3999	748948.6	-51.8663	15.01807	12929704	-1.6E+07	5581313
747.5999	748951.4	-51.8581	15.00766	12932675	-1.6E+07	5577531
747.7999	748954.2	-51.85	14.99725	12935645	-1.6E+07	5573749
747.9999	748957	-51.8418	14.98683	12938614	-1.6E+07	5569966
748.1999	748959.8	-51.8337	14.97642	12941582	-1.6E+07	5566183
748.3999	748962.6	-51.8255	14.966	12944550	-1.6E+07	5562400
748.5999	748965.4	-51.8174	14.95559	12947517	-1.6E+07	5558616
748.7999	748968.2	-51.8092	14.94517	12950483	-1.6E+07	5554832
748.9999	748971.1	-51.8011	14.93475	12953449	-1.6E+07	5551047
749.1999	748973.9	-51.793	14.92434	12956414	-1.6E+07	5547263
749.3999	748976.8	-51.7848	14.91392	12959378	-1.6E+07	5543478
749.5999	748979.6	-51.7767	14.9035	12962341	-1.6E+07	5539693
749.7999	748982.5	-51.7685	14.89308	12965304	-1.6E+07	5535907
749.9999	748985.4	-51.7604	14.88267	12968266	-1.6E+07	5532121
750.1999	748988.3	-51.7523	14.87225	12971228	-1.6E+07	5528335
750.3999	748991.2	-51.7441	14.86183	12974189	-1.6E+07	5524549
750.5999	748994.1	-51.736	14.85141	12977149	-1.6E+07	5520762
750.7999	748997	-51.7279	14.84099	12980109	-1.6E+07	5516975
750.9999	748999.9	-51.7197	14.83057	12983067	-1.6E+07	5513187
751.1999	749002.9	-51.7116	14.82015	12986025	-1.6E+07	5509400
751.3999	749005.8	-51.7035	14.80973	12988983	-1.6E+07	5505612
751.5999	749008.8	-51.6953	14.79931	12991940	-1.6E+07	5501823
751.7999	749011.7	-51.6872	14.78889	12994896	-1.6E+07	5498035
751.9999	749014.7	-51.6791	14.77847	12997851	-1.6E+07	5494246

752.1999	749017.7	-51.6709	14.76804	13000806	-1.6E+07	5490457
752.3999	749020.7	-51.6628	14.75762	13003760	-1.6E+07	5486667
752.5999	749023.7	-51.6547	14.7472	13006713	-1.6E+07	5482877
752.7999	749026.7	-51.6466	14.73678	13009666	-1.6E+07	5479087
752.9999	749029.7	-51.6384	14.72635	13012618	-1.6E+07	5475297
753.1999	749032.7	-51.6303	14.71593	13015569	-1.6E+07	5471506
753.3999	749035.7	-51.6222	14.70551	13018519	-1.6E+07	5467715
753.5999	749038.8	-51.6141	14.69508	13021469	-1.6E+07	5463924
753.7999	749041.8	-51.6059	14.68466	13024418	-1.6E+07	5460132
753.9999	749044.9	-51.5978	14.67423	13027367	-1.6E+07	5456340
754.1999	749047.9	-51.5897	14.66381	13030315	-1.6E+07	5452548
754.3999	749051	-51.5816	14.65338	13033262	-1.6E+07	5448755
754.5999	749054.1	-51.5735	14.64295	13036208	-1.6E+07	5444962
754.7999	749057.2	-51.5653	14.63253	13039154	-1.6E+07	5441169
754.9999	749060.3	-51.5572	14.6221	13042099	-1.6E+07	5437376
755.1999	749063.4	-51.5491	14.61167	13045043	-1.6E+07	5433582
755.3999	749066.5	-51.541	14.60125	13047987	-1.6E+07	5429788
755.5999	749069.6	-51.5329	14.59082	13050930	-1.6E+07	5425994
755.7999	749072.7	-51.5248	14.58039	13053872	-1.6E+07	5422199
755.9999	749075.9	-51.5167	14.56996	13056814	-1.6E+07	5418404
756.1999	749079	-51.5086	14.55953	13059755	-1.6E+07	5414609
756.3999	749082.2	-51.5004	14.5491	13062695	-1.6E+07	5410813
756.5999	749085.3	-51.4923	14.53867	13065635	-1.6E+07	5407017
756.7999	749088.5	-51.4842	14.52824	13068574	-1.6E+07	5403221
756.9999	749091.7	-51.4761	14.51781	13071512	-1.6E+07	5399425
757.1999	749094.9	-51.468	14.50738	13074449	-1.6E+07	5395628
757.3999	749098.1	-51.4599	14.49695	13077386	-1.6E+07	5391831
757.5999	749101.3	-51.4518	14.48652	13080322	-1.6E+07	5388034
757.7999	749104.5	-51.4437	14.47609	13083258	-1.6E+07	5384236
757.9999	749107.7	-51.4356	14.46566	13086192	-1.6E+07	5380438
758.1999	749111	-51.4275	14.45523	13089127	-1.6E+07	5376640
758.3999	749114.2	-51.4194	14.44479	13092060	-1.6E+07	5372841
758.5999	749117.5	-51.4113	14.43436	13094993	-1.6E+07	5369042
758.7999	749120.7	-51.4032	14.42393	13097925	-1.6E+07	5365243
758.9999	749124	-51.3951	14.41349	13100856	-1.6E+07	5361444
759.1999	749127.3	-51.387	14.40306	13103786	-1.6E+07	5357644
759.3999	749130.6	-51.3789	14.39262	13106716	-1.6E+07	5353844
759.5999	749133.9	-51.3708	14.38219	13109646	-1.6E+07	5350044
759.7999	749137.2	-51.3627	14.37176	13112574	-1.6E+07	5346243
759.9999	749140.5	-51.3546	14.36132	13115502	-1.6E+07	5342442
760.1999	749143.8	-51.3465	14.35088	13118429	-1.6E+07	5338641
760.3999	749147.1	-51.3384	14.34045	13121355	-1.6E+07	5334839
760.5999	749150.5	-51.3303	14.33001	13124281	-1.6E+07	5331038
760.7999	749153.8	-51.3222	14.31958	13127206	-1.6E+07	5327236
760.9999	749157.2	-51.3141	14.30914	13130131	-1.6E+07	5323433
761.1999	749160.5	-51.306	14.2987	13133054	-1.6E+07	5319630
761.3999	749163.9	-51.2979	14.28826	13135977	-1.6E+07	5315827

761.5999	749167.3	-51.2899	14.27783	13138900	-1.6E+07	5312024
761.7999	749170.7	-51.2818	14.26739	13141821	-1.6E+07	5308221
761.9999	749174.1	-51.2737	14.25695	13144742	-1.6E+07	5304417
762.1999	749177.5	-51.2656	14.24651	13147662	-1.6E+07	5300613
762.3999	749180.9	-51.2575	14.23607	13150582	-1.6E+07	5296808
762.5999	749184.3	-51.2494	14.22563	13153501	-1.6E+07	5293003
762.7999	749187.8	-51.2413	14.21519	13156419	-1.6E+07	5289198
762.9999	749191.2	-51.2332	14.20475	13159336	-1.6E+07	5285393
763.1999	749194.7	-51.2252	14.19431	13162253	-1.6E+07	5281587
763.3999	749198.1	-51.2171	14.18387	13165169	-1.6E+07	5277781
763.5999	749201.6	-51.209	14.17343	13168084	-1.6E+07	5273975
763.7999	749205.1	-51.2009	14.16299	13170999	-1.6E+07	5270169
763.9999	749208.5	-51.1928	14.15254	13173913	-1.6E+07	5266362
764.1999	749212	-51.1848	14.1421	13176826	-1.6E+07	5262555
764.3999	749215.5	-51.1767	14.13166	13179739	-1.6E+07	5258747
764.5999	749219	-51.1686	14.12122	13182651	-1.6E+07	5254940
764.7999	749222.6	-51.1605	14.11077	13185562	-1.6E+07	5251132
764.9999	749226.1	-51.1525	14.10033	13188473	-1.6E+07	5247324
765.1999	749229.6	-51.1444	14.08988	13191382	-1.6E+07	5243515
765.3999	749233.2	-51.1363	14.07944	13194292	-1.6E+07	5239706
765.5999	749236.7	-51.1282	14.069	13197200	-1.6E+07	5235897
765.7999	749240.3	-51.1202	14.05855	13200108	-1.6E+07	5232088
765.9999	749243.9	-51.1121	14.04811	13203015	-1.6E+07	5228278
766.1999	749247.4	-51.104	14.03766	13205921	-1.6E+07	5224468
766.3999	749251	-51.096	14.02721	13208827	-1.6E+07	5220658
766.5999	749254.6	-51.0879	14.01677	13211732	-1.6E+07	5216847
766.7999	749258.2	-51.0798	14.00632	13214636	-1.6E+07	5213036
766.9999	749261.8	-51.0718	13.99587	13217539	-1.6E+07	5209225
767.1999	749265.5	-51.0637	13.98543	13220442	-1.6E+07	5205414
767.3999	749269.1	-51.0556	13.97498	13223345	-1.6E+07	5201602
767.5999	749272.7	-51.0476	13.96453	13226246	-1.6E+07	5197790
767.7999	749276.4	-51.0395	13.95408	13229147	-1.6E+07	5193978
767.9999	749280	-51.0314	13.94363	13232047	-1.6E+07	5190165
768.1999	749283.7	-51.0234	13.93319	13234946	-1.6E+07	5186352
768.3999	749287.4	-51.0153	13.92274	13237845	-1.6E+07	5182539
768.5999	749291.1	-51.0072	13.91229	13240743	-1.6E+07	5178726
768.7999	749294.8	-50.9992	13.90184	13243640	-1.6E+07	5174912
768.9999	749298.5	-50.9911	13.89139	13246537	-1.6E+07	5171098
769.1999	749302.2	-50.9831	13.88094	13249433	-1.6E+07	5167283
769.3999	749305.9	-50.975	13.87049	13252328	-1.6E+07	5163469
769.5999	749309.6	-50.967	13.86003	13255222	-1.6E+07	5159654
769.7999	749313.4	-50.9589	13.84958	13258116	-1.6E+07	5155839
769.9999	749317.1	-50.9508	13.83913	13261009	-1.6E+07	5152023
770.1999	749320.8	-50.9428	13.82868	13263902	-1.6E+07	5148208
770.3999	749324.6	-50.9347	13.81823	13266793	-1.6E+07	5144392
770.5999	749328.4	-50.9267	13.80777	13269684	-1.6E+07	5140575
770.7999	749332.2	-50.9186	13.79732	13272575	-1.6E+07	5136759

770.9999	749335.9	-50.9106	13.78687	13275464	-1.6E+07	5132942
771.1999	749339.7	-50.9025	13.77641	13278353	-1.6E+07	5129125
771.3999	749343.5	-50.8945	13.76596	13281241	-1.6E+07	5125307
771.5999	749347.4	-50.8864	13.75551	13284129	-1.6E+07	5121489
771.7999	749351.2	-50.8784	13.74505	13287016	-1.6E+07	5117671
771.9999	749355	-50.8703	13.7346	13289902	-1.6E+07	5113853
772.1999	749358.8	-50.8623	13.72414	13292787	-1.6E+07	5110035
772.3999	749362.7	-50.8542	13.71368	13295672	-1.6E+07	5106216
772.5999	749366.5	-50.8462	13.70323	13298556	-1.6E+07	5102397
772.7999	749370.4	-50.8381	13.69277	13301439	-1.6E+07	5098577
772.9999	749374.3	-50.8301	13.68232	13304322	-1.6E+07	5094757
773.1999	749378.2	-50.8221	13.67186	13307204	-1.6E+07	5090937
773.3999	749382.1	-50.814	13.6614	13310085	-1.6E+07	5087117
773.5999	749386	-50.806	13.65094	13312966	-1.6E+07	5083297
773.7999	749389.9	-50.7979	13.64049	13315845	-1.6E+07	5079476
773.9999	749393.8	-50.7899	13.63003	13318725	-1.6E+07	5075655
774.1999	749397.7	-50.7819	13.61957	13321603	-1.6E+07	5071833
774.3999	749401.6	-50.7738	13.60911	13324481	-1.6E+07	5068011
774.5999	749405.6	-50.7658	13.59865	13327358	-1.6E+07	5064190
774.7999	749409.5	-50.7578	13.58819	13330234	-1.6E+07	5060367
774.9999	749413.5	-50.7497	13.57773	13333110	-1.6E+07	5056545
775.1999	749417.5	-50.7417	13.56727	13335985	-1.6E+07	5052722
775.3999	749421.4	-50.7336	13.55681	13338859	-1.6E+07	5048899
775.5999	749425.4	-50.7256	13.54635	13341732	-1.6E+07	5045076
775.7999	749429.4	-50.7176	13.53589	13344605	-1.6E+07	5041252
775.9999	749433.4	-50.7095	13.52543	13347477	-1.6E+07	5037428
776.1999	749437.4	-50.7015	13.51497	13350349	-1.6E+07	5033604
776.3999	749441.5	-50.6935	13.5045	13353219	-1.6E+07	5029779
776.5999	749445.5	-50.6855	13.49404	13356089	-1.6E+07	5025954
776.7999	749449.5	-50.6774	13.48358	13358959	-1.6E+07	5022129
776.9999	749453.6	-50.6694	13.47312	13361827	-1.6E+07	5018304
777.1999	749457.6	-50.6614	13.46265	13364695	-1.6E+07	5014479
777.3999	749461.7	-50.6533	13.45219	13367562	-1.6E+07	5010653
777.5999	749465.8	-50.6453	13.44173	13370429	-1.6E+07	5006827
777.7999	749469.8	-50.6373	13.43126	13373294	-1.6E+07	5003000
777.9999	749473.9	-50.6293	13.4208	13376160	-1.6E+07	4999173
778.1999	749478	-50.6213	13.41033	13379024	-1.6E+07	4995346
778.3999	749482.1	-50.6132	13.39987	13381888	-1.6E+07	4991519
778.5999	749486.3	-50.6052	13.3894	13384751	-1.6E+07	4987692
778.7999	749490.4	-50.5972	13.37894	13387613	-1.6E+07	4983864
778.9999	749494.5	-50.5892	13.36847	13390474	-1.6E+07	4980036
779.1999	749498.7	-50.5811	13.358	13393335	-1.6E+07	4976207
779.3999	749502.8	-50.5731	13.34754	13396195	-1.6E+07	4972379
779.5999	749507	-50.5651	13.33707	13399055	-1.6E+07	4968550
779.7999	749511.1	-50.5571	13.3266	13401914	-1.6E+07	4964721
779.9999	749515.3	-50.5491	13.31614	13404772	-1.6E+07	4960891
780.1999	749519.5	-50.5411	13.30567	13407629	-1.6E+07	4957061

780.3999	749523.7	-50.533	13.2952	13410486	-1.6E+07	4953231
780.5999	749527.9	-50.525	13.28473	13413341	-1.6E+07	4949401
780.7999	749532.1	-50.517	13.27426	13416197	-1.6E+07	4945571
780.9999	749536.3	-50.509	13.26379	13419051	-1.6E+07	4941740
781.1999	749540.6	-50.501	13.25332	13421905	-1.6E+07	4937909
781.3999	749544.8	-50.493	13.24285	13424758	-1.6E+07	4934077
781.5999	749549	-50.485	13.23238	13427610	-1.6E+07	4930246
781.7999	749553.3	-50.477	13.22191	13430462	-1.6E+07	4926414
781.9999	749557.6	-50.469	13.21144	13433313	-1.6E+07	4922581
782.1999	749561.8	-50.4609	13.20097	13436163	-1.6E+07	4918749
782.3999	749566.1	-50.4529	13.1905	13439013	-1.6E+07	4914916
782.5999	749570.4	-50.4449	13.18003	13441862	-1.6E+07	4911083
782.7999	749574.7	-50.4369	13.16956	13444710	-1.6E+07	4907250
782.9999	749579	-50.4289	13.15909	13447557	-1.6E+07	4903416
783.1999	749583.3	-50.4209	13.14861	13450404	-1.6E+07	4899582
783.3999	749587.7	-50.4129	13.13814	13453250	-1.6E+07	4895748
783.5999	749592	-50.4049	13.12767	13456096	-1.6E+07	4891914
783.7999	749596.3	-50.3969	13.11719	13458940	-1.6E+07	4888079
783.9999	749600.7	-50.3889	13.10672	13461784	-1.6E+07	4884244
784.1999	749605	-50.3809	13.09625	13464627	-1.6E+07	4880409
784.3999	749609.4	-50.3729	13.08577	13467470	-1.6E+07	4876574
784.5999	749613.8	-50.3649	13.0753	13470312	-1.6E+07	4872738
784.7999	749618.2	-50.3569	13.06482	13473153	-1.6E+07	4868902
784.9999	749622.6	-50.3489	13.05435	13475993	-1.6E+07	4865066
785.1999	749627	-50.3409	13.04387	13478833	-1.6E+07	4861229
785.3999	749631.4	-50.3329	13.0334	13481672	-1.6E+07	4857392
785.5999	749635.8	-50.3249	13.02292	13484510	-1.6E+07	4853555
785.7999	749640.2	-50.3169	13.01244	13487347	-1.6E+07	4849718
785.9999	749644.7	-50.3089	13.00197	13490184	-1.6E+07	4845880
786.1999	749649.1	-50.3009	12.99149	13493020	-1.6E+07	4842042
786.3999	749653.6	-50.293	12.98101	13495856	-1.6E+07	4838204
786.5999	749658	-50.285	12.97054	13498690	-1.6E+07	4834366
786.7999	749662.5	-50.277	12.96006	13501524	-1.6E+07	4830527
786.9999	749667	-50.269	12.94958	13504358	-1.6E+07	4826688
787.1999	749671.5	-50.261	12.9391	13507190	-1.6E+07	4822849
787.3999	749676	-50.253	12.92862	13510022	-1.6E+07	4819009
787.5999	749680.5	-50.245	12.91814	13512853	-1.6E+07	4815170
787.7999	749685	-50.237	12.90766	13515684	-1.6E+07	4811330
787.9999	749689.5	-50.229	12.89718	13518514	-1.6E+07	4807489
788.1999	749694.1	-50.2211	12.8867	13521343	-1.6E+07	4803649
788.3999	749698.6	-50.2131	12.87622	13524171	-1.6E+07	4799808
788.5999	749703.1	-50.2051	12.86574	13526998	-1.6E+07	4795967
788.7999	749707.7	-50.1971	12.85526	13529825	-1.6E+07	4792126
788.9999	749712.3	-50.1891	12.84478	13532652	-1.6E+07	4788284
789.1999	749716.8	-50.1811	12.8343	13535477	-1.6E+07	4784442
789.3999	749721.4	-50.1732	12.82382	13538302	-1.6E+07	4780600
789.5999	749726	-50.1652	12.81334	13541126	-1.6E+07	4776757

789.7999	749730.6	-50.1572	12.80285	13543949	-1.6E+07	4772915
789.9999	749735.2	-50.1492	12.79237	13546772	-1.6E+07	4769072
790.1999	749739.9	-50.1412	12.78189	13549594	-1.6E+07	4765229
790.3999	749744.5	-50.1333	12.7714	13552415	-1.6E+07	4761385
790.5999	749749.1	-50.1253	12.76092	13555235	-1.6E+07	4757541
790.7999	749753.8	-50.1173	12.75044	13558055	-1.6E+07	4753697
790.9999	749758.4	-50.1093	12.73995	13560874	-1.6E+07	4749853
791.1999	749763.1	-50.1014	12.72947	13563693	-1.6E+07	4746009
791.3999	749767.8	-50.0934	12.71898	13566510	-1.6E+07	4742164
791.5999	749772.5	-50.0854	12.7085	13569327	-1.6E+07	4738319
791.7999	749777.1	-50.0774	12.69801	13572143	-1.6E+07	4734473
791.9999	749781.8	-50.0695	12.68753	13574959	-1.6E+07	4730628
792.1999	749786.5	-50.0615	12.67704	13577774	-1.6E+07	4726782
792.3999	749791.3	-50.0535	12.66656	13580588	-1.6E+07	4722936
792.5999	749796	-50.0456	12.65607	13583401	-1.6E+07	4719090
792.7999	749800.7	-50.0376	12.64558	13586214	-1.6E+07	4715243
792.9999	749805.5	-50.0296	12.6351	13589026	-1.6E+07	4711396
793.1999	749810.2	-50.0217	12.62461	13591837	-1.6E+07	4707549
793.3999	749815	-50.0137	12.61412	13594648	-1.6E+07	4703702
793.5999	749819.7	-50.0057	12.60363	13597457	-1.6E+07	4699854
793.7999	749824.5	-49.9978	12.59315	13600266	-1.6E+07	4696006
793.9999	749829.3	-49.9898	12.58266	13603075	-1.6E+07	4692158
794.1999	749834.1	-49.9818	12.57217	13605882	-1.6E+07	4688309
794.3999	749838.9	-49.9739	12.56168	13608689	-1.6E+07	4684461
794.5999	749843.7	-49.9659	12.55119	13611496	-1.6E+07	4680612
794.7999	749848.5	-49.9579	12.5407	13614301	-1.6E+07	4676762
794.9999	749853.4	-49.95	12.53021	13617106	-1.6E+07	4672913
795.1999	749858.2	-49.942	12.51972	13619910	-1.6E+07	4669063
795.3999	749863.1	-49.9341	12.50923	13622713	-1.6E+07	4665213
795.5999	749867.9	-49.9261	12.49874	13625516	-1.6E+07	4661363
795.7999	749872.8	-49.9181	12.48825	13628318	-1.6E+07	4657512
795.9999	749877.7	-49.9102	12.47776	13631119	-1.6E+07	4653662
796.1999	749882.5	-49.9022	12.46727	13633920	-1.6E+07	4649810
796.3999	749887.4	-49.8943	12.45677	13636720	-1.6E+07	4645959
796.5999	749892.3	-49.8863	12.44628	13639519	-1.6E+07	4642108
796.7999	749897.2	-49.8784	12.43579	13642317	-1.6E+07	4638256
796.9999	749902.1	-49.8704	12.4253	13645115	-1.6E+07	4634404
797.1999	749907.1	-49.8625	12.4148	13647912	-1.6E+07	4630551
797.3999	749912	-49.8545	12.40431	13650708	-1.6E+07	4626699
797.5999	749917	-49.8466	12.39382	13653503	-1.6E+07	4622846
797.7999	749921.9	-49.8386	12.38332	13656298	-1.6E+07	4618993
797.9999	749926.9	-49.8307	12.37283	13659092	-1.6E+07	4615140
798.1999	749931.8	-49.8227	12.36233	13661885	-1.6E+07	4611286
798.3999	749936.8	-49.8148	12.35184	13664678	-1.6E+07	4607432
798.5999	749941.8	-49.8068	12.34134	13667470	-1.6E+07	4603578
798.7999	749946.8	-49.7989	12.33085	13670261	-1.6E+07	4599724
798.9999	749951.8	-49.7909	12.32035	13673052	-1.6E+07	4595869

799.1999	749956.8	-49.783	12.30986	13675841	-1.6E+07	4592014
799.3999	749961.8	-49.775	12.29936	13678631	-1.6E+07	4588159
799.5999	749966.9	-49.7671	12.28886	13681419	-1.6E+07	4584304
799.7999	749971.9	-49.7591	12.27837	13684206	-1.6E+07	4580448
799.9999	749977	-49.7512	12.26787	13686993	-1.6E+07	4576592
800.1999	749982	-49.7432	12.25737	13689780	-1.6E+07	4572736
800.3999	749987.1	-49.7353	12.24688	13692565	-1.6E+07	4568879
800.5999	749992.2	-49.7274	12.23638	13695350	-1.6E+07	4565023
800.7999	749997.2	-49.7194	12.22588	13698134	-1.6E+07	4561166
800.9999	750002.3	-49.7115	12.21538	13700917	-1.6E+07	4557309
801.1999	750007.4	-49.7035	12.20488	13703700	-1.6E+07	4553451
801.3999	750012.5	-49.6956	12.19438	13706481	-1.6E+07	4549594
801.5999	750017.7	-49.6877	12.18389	13709263	-1.6E+07	4545736
801.7999	750022.8	-49.6797	12.17339	13712043	-1.6E+07	4541878
801.9999	750027.9	-49.6718	12.16289	13714823	-1.6E+07	4538019
802.1999	750033.1	-49.6639	12.15239	13717602	-1.6E+07	4534160
802.3999	750038.2	-49.6559	12.14189	13720380	-1.6E+07	4530302
802.5999	750043.4	-49.648	12.13139	13723158	-1.6E+07	4526442
802.7999	750048.5	-49.6401	12.12088	13725934	-1.6E+07	4522583
802.9999	750053.7	-49.6321	12.11038	13728710	-1.6E+07	4518723
803.1999	750058.9	-49.6242	12.09988	13731486	-1.6E+07	4514863
803.3999	750064.1	-49.6163	12.08938	13734261	-1.6E+07	4511003
803.5999	750069.3	-49.6083	12.07888	13737034	-1.6E+07	4507143
803.7999	750074.5	-49.6004	12.06838	13739808	-1.6E+07	4503282
803.9999	750079.8	-49.5925	12.05787	13742580	-1.6E+07	4499421
804.1999	750085	-49.5845	12.04737	13745352	-1.6E+07	4495560
804.3999	750090.2	-49.5766	12.03687	13748123	-1.6E+07	4491698
804.5999	750095.5	-49.5687	12.02636	13750893	-1.6E+07	4487837
804.7999	750100.7	-49.5608	12.01586	13753663	-1.6E+07	4483975
804.9999	750106	-49.5528	12.00536	13756432	-1.6E+07	4480113
805.1999	750111.3	-49.5449	11.99485	13759200	-1.6E+07	4476250
805.3999	750116.6	-49.537	11.98435	13761968	-1.6E+07	4472388
805.5999	750121.9	-49.5291	11.97384	13764734	-1.6E+07	4468525
805.7999	750127.2	-49.5211	11.96334	13767500	-1.6E+07	4464661
805.9999	750132.5	-49.5132	11.95283	13770266	-1.6E+07	4460798
806.1999	750137.8	-49.5053	11.94233	13773030	-1.6E+07	4456934
806.3999	750143.1	-49.4974	11.93182	13775794	-1.6E+07	4453070
806.5999	750148.4	-49.4894	11.92132	13778557	-1.6E+07	4449206
806.7999	750153.8	-49.4815	11.91081	13781320	-1.6E+07	4445342
806.9999	750159.1	-49.4736	11.9003	13784081	-1.6E+07	4441477
807.1999	750164.5	-49.4657	11.8898	13786842	-1.6E+07	4437612
807.3999	750169.9	-49.4578	11.87929	13789602	-1.6E+07	4433747
807.5999	750175.3	-49.4499	11.86878	13792362	-1.6E+07	4429882
807.7999	750180.7	-49.4419	11.85827	13795121	-1.6E+07	4426016
807.9999	750186.1	-49.434	11.84777	13797879	-1.6E+07	4422150
808.1999	750191.5	-49.4261	11.83726	13800636	-1.6E+07	4418284
808.3999	750196.9	-49.4182	11.82675	13803393	-1.6E+07	4414418

808.5999	750202.3	-49.4103	11.81624	13806149	-1.6E+07	4410551
808.7999	750207.7	-49.4024	11.80573	13808904	-1.6E+07	4406684
808.9999	750213.2	-49.3944	11.79522	13811658	-1.6E+07	4402817
809.1999	750218.6	-49.3865	11.78471	13814412	-1.6E+07	4398950
809.3999	750224.1	-49.3786	11.7742	13817165	-1.6E+07	4395082
809.5999	750229.6	-49.3707	11.76369	13819917	-1.6E+07	4391215
809.7999	750235	-49.3628	11.75318	13822669	-1.6E+07	4387346
809.9999	750240.5	-49.3549	11.74267	13825420	-1.6E+07	4383478
810.1999	750246	-49.347	11.73216	13828170	-1.6E+07	4379610
810.3999	750251.5	-49.3391	11.72165	13830919	-1.6E+07	4375741
810.5999	750257	-49.3312	11.71114	13833668	-1.6E+07	4371872
810.7999	750262.5	-49.3233	11.70063	13836416	-1.6E+07	4368002
810.9999	750268.1	-49.3154	11.69011	13839163	-1.6E+07	4364133
811.1999	750273.6	-49.3075	11.6796	13841909	-1.6E+07	4360263
811.3999	750279.2	-49.2996	11.66909	13844655	-1.6E+07	4356393
811.5999	750284.7	-49.2916	11.65858	13847400	-1.6E+07	4352523
811.7999	750290.3	-49.2837	11.64806	13850145	-1.6E+07	4348652
811.9999	750295.9	-49.2758	11.63755	13852888	-1.6E+07	4344782
812.1999	750301.4	-49.2679	11.62704	13855631	-1.6E+07	4340911
812.3999	750307	-49.26	11.61652	13858373	-1.6E+07	4337039
812.5999	750312.6	-49.2521	11.60601	13861115	-1.6E+07	4333168
812.7999	750318.2	-49.2442	11.5955	13863855	-1.6E+07	4329296
812.9999	750323.9	-49.2363	11.58498	13866595	-1.6E+07	4325424
813.1999	750329.5	-49.2284	11.57447	13869334	-1.6E+07	4321552
813.3999	750335.1	-49.2205	11.56395	13872073	-1.6E+07	4317680
813.5999	750340.8	-49.2126	11.55344	13874811	-1.6E+07	4313807
813.7999	750346.4	-49.2047	11.54292	13877548	-1.6E+07	4309934
813.9999	750352.1	-49.1969	11.5324	13880284	-1.6E+07	4306061
814.1999	750357.7	-49.189	11.52189	13883020	-1.6E+07	4302188
814.3999	750363.4	-49.1811	11.51137	13885754	-1.6E+07	4298314
814.5999	750369.1	-49.1732	11.50085	13888489	-1.6E+07	4294440
814.7999	750374.8	-49.1653	11.49034	13891222	-1.6E+07	4290566
814.9999	750380.5	-49.1574	11.47982	13893955	-1.6E+07	4286692
815.1999	750386.2	-49.1495	11.4693	13896687	-1.6E+07	4282817
815.3999	750391.9	-49.1416	11.45879	13899418	-1.6E+07	4278942
815.5999	750397.7	-49.1337	11.44827	13902148	-1.6E+07	4275067
815.7999	750403.4	-49.1258	11.43775	13904878	-1.6E+07	4271192
815.9999	750409.2	-49.1179	11.42723	13907607	-1.6E+07	4267317
816.1999	750414.9	-49.11	11.41671	13910335	-1.6E+07	4263441
816.3999	750420.7	-49.1021	11.40619	13913063	-1.6E+07	4259565
816.5999	750426.5	-49.0943	11.39567	13915790	-1.6E+07	4255689
816.7999	750432.3	-49.0864	11.38515	13918516	-1.6E+07	4251812
816.9999	750438	-49.0785	11.37463	13921241	-1.6E+07	4247936
817.1999	750443.8	-49.0706	11.36411	13923966	-1.6E+07	4244059
817.3999	750449.7	-49.0627	11.35359	13926690	-1.6E+07	4240181
817.5999	750455.5	-49.0548	11.34307	13929413	-1.6E+07	4236304
817.7999	750461.3	-49.0469	11.33255	13932136	-1.6E+07	4232426

817.9999	750467.1	-49.0391	11.32203	13934857	-1.6E+07	4228549
818.1999	750473	-49.0312	11.31151	13937579	-1.6E+07	4224670
818.3999	750478.8	-49.0233	11.30099	13940299	-1.6E+07	4220792
818.5999	750484.7	-49.0154	11.29047	13943018	-1.6E+07	4216914
818.7999	750490.6	-49.0075	11.27994	13945737	-1.6E+07	4213035
818.9999	750496.5	-48.9997	11.26942	13948455	-1.6E+07	4209156
819.1999	750502.3	-48.9918	11.2589	13951173	-1.6E+07	4205276
819.3999	750508.2	-48.9839	11.24838	13953889	-1.6E+07	4201397
819.5999	750514.2	-48.976	11.23785	13956605	-1.6E+07	4197517
819.7999	750520.1	-48.9681	11.22733	13959320	-1.6E+07	4193637
819.9999	750526	-48.9603	11.21681	13962035	-1.6E+07	4189757
820.1999	750531.9	-48.9524	11.20628	13964749	-1.6E+07	4185877
820.3999	750537.9	-48.9445	11.19576	13967462	-1.6E+07	4181996
820.5999	750543.8	-48.9366	11.18523	13970174	-1.6E+07	4178115
820.7999	750549.8	-48.9288	11.17471	13972885	-1.6E+07	4174234
820.9999	750555.7	-48.9209	11.16419	13975596	-1.6E+07	4170353
821.1999	750561.7	-48.913	11.15366	13978306	-1.6E+07	4166471
821.3999	750567.7	-48.9052	11.14314	13981016	-1.6E+07	4162589
821.5999	750573.7	-48.8973	11.13261	13983724	-1.6E+07	4158707
821.7999	750579.7	-48.8894	11.12208	13986432	-1.6E+07	4154825
821.9999	750585.7	-48.8815	11.11156	13989139	-1.6E+07	4150942
822.1999	750591.7	-48.8737	11.10103	13991846	-1.6E+07	4147060
822.3999	750597.8	-48.8658	11.0905	13994551	-1.6E+07	4143177
822.5999	750603.8	-48.8579	11.07998	13997256	-1.6E+07	4139293
822.7999	750609.9	-48.8501	11.06945	13999960	-1.6E+07	4135410
822.9999	750615.9	-48.8422	11.05892	14002664	-1.6E+07	4131526
823.1999	750622	-48.8343	11.0484	14005367	-1.6E+07	4127642
823.3999	750628.1	-48.8265	11.03787	14008069	-1.6E+07	4123758
823.5999	750634.1	-48.8186	11.02734	14010770	-1.6E+07	4119874
823.7999	750640.2	-48.8107	11.01681	14013470	-1.6E+07	4115989
823.9999	750646.3	-48.8029	11.00628	14016170	-1.6E+07	4112105
824.1999	750652.4	-48.795	10.99575	14018869	-1.6E+07	4108220
824.3999	750658.6	-48.7871	10.98523	14021568	-1.6E+07	4104334
824.5999	750664.7	-48.7793	10.9747	14024265	-1.6E+07	4100449
824.7999	750670.8	-48.7714	10.96417	14026962	-1.6E+07	4096563
824.9999	750677	-48.7636	10.95364	14029658	-1.6E+07	4092677
825.1999	750683.1	-48.7557	10.94311	14032354	-1.6E+07	4088791
825.3999	750689.3	-48.7478	10.93258	14035048	-1.6E+07	4084905
825.5999	750695.4	-48.74	10.92205	14037742	-1.6E+07	4081018
825.7999	750701.6	-48.7321	10.91151	14040435	-1.6E+07	4077131
825.9999	750707.8	-48.7243	10.90098	14043128	-1.6E+07	4073244
826.1999	750714	-48.7164	10.89045	14045820	-1.6E+07	4069357
826.3999	750720.2	-48.7085	10.87992	14048511	-1.6E+07	4065469
826.5999	750726.4	-48.7007	10.86939	14051201	-1.6E+07	4061582
826.7999	750732.7	-48.6928	10.85886	14053890	-1.6E+07	4057694
826.9999	750738.9	-48.685	10.84832	14056579	-1.6E+07	4053805
827.1999	750745.1	-48.6771	10.83779	14059267	-1.6E+07	4049917

827.3999	750751.4	-48.6693	10.82726	14061955	-1.6E+07	4046028
827.5999	750757.6	-48.6614	10.81673	14064641	-1.6E+07	4042139
827.7999	750763.9	-48.6536	10.80619	14067327	-1.6E+07	4038250
827.9999	750770.2	-48.6457	10.79566	14070012	-1.6E+07	4034361
828.1999	750776.5	-48.6379	10.78513	14072697	-1.6E+07	4030471
828.3999	750782.8	-48.63	10.77459	14075380	-1.6E+07	4026582
828.5999	750789.1	-48.6222	10.76406	14078063	-1.6E+07	4022692
828.7999	750795.4	-48.6143	10.75352	14080745	-1.6E+07	4018801
828.9999	750801.7	-48.6065	10.74299	14083427	-1.6E+07	4014911
829.1999	750808	-48.5986	10.73245	14086107	-1.6E+07	4011020
829.3999	750814.4	-48.5908	10.72192	14088787	-1.6E+07	4007130
829.5999	750820.7	-48.5829	10.71138	14091467	-1.6E+07	4003238
829.7999	750827.1	-48.5751	10.70085	14094145	-1.6E+07	3999347
829.9999	750833.4	-48.5672	10.69031	14096823	-1.6E+07	3995456
830.1999	750839.8	-48.5594	10.67978	14099500	-1.6E+07	3991564
830.3999	750846.2	-48.5515	10.66924	14102176	-1.6E+07	3987672
830.5999	750852.6	-48.5437	10.6587	14104852	-1.6E+07	3983780
830.7999	750859	-48.5359	10.64817	14107527	-1.6E+07	3979887
830.9999	750865.4	-48.528	10.63763	14110201	-1.6E+07	3975995
831.1999	750871.8	-48.5202	10.62709	14112874	-1.6E+07	3972102
831.3999	750878.2	-48.5123	10.61655	14115547	-1.6E+07	3968209
831.5999	750884.7	-48.5045	10.60602	14118218	-1.6E+07	3964315
831.7999	750891.1	-48.4966	10.59548	14120889	-1.6E+07	3960422
831.9999	750897.6	-48.4888	10.58494	14123560	-1.6E+07	3956528
832.1999	750904	-48.481	10.5744	14126230	-1.6E+07	3952634
832.3999	750910.5	-48.4731	10.56386	14128898	-1.6E+07	3948740
832.5999	750917	-48.4653	10.55332	14131567	-1.6E+07	3944845
832.7999	750923.5	-48.4575	10.54279	14134234	-1.6E+07	3940951
832.9999	750929.9	-48.4496	10.53225	14136901	-1.6E+07	3937056
833.1999	750936.5	-48.4418	10.52171	14139567	-1.6E+07	3933161
833.3999	750943	-48.4339	10.51117	14142232	-1.6E+07	3929266
833.5999	750949.5	-48.4261	10.50063	14144896	-1.6E+07	3925370
833.7999	750956	-48.4183	10.49009	14147560	-1.6E+07	3921474
833.9999	750962.6	-48.4104	10.47955	14150223	-1.6E+07	3917578
834.1999	750969.1	-48.4026	10.469	14152885	-1.6E+07	3913682
834.3999	750975.7	-48.3948	10.45846	14155547	-1.6E+07	3909786
834.5999	750982.2	-48.3869	10.44792	14158208	-1.6E+07	3905889
834.7999	750988.8	-48.3791	10.43738	14160868	-1.6E+07	3901993
834.9999	750995.4	-48.3713	10.42684	14163527	-1.6E+07	3898096
835.1999	751002	-48.3634	10.4163	14166185	-1.6E+07	3894198
835.3999	751008.6	-48.3556	10.40576	14168843	-1.6E+07	3890301
835.5999	751015.2	-48.3478	10.39521	14171500	-1.6E+07	3886403
835.7999	751021.8	-48.34	10.38467	14174157	-1.6E+07	3882505
835.9999	751028.5	-48.3321	10.37413	14176812	-1.6E+07	3878607
836.1999	751035.1	-48.3243	10.36358	14179467	-1.6E+07	3874709
836.3999	751041.7	-48.3165	10.35304	14182121	-1.6E+07	3870810
836.5999	751048.4	-48.3087	10.3425	14184775	-1.6E+07	3866912

836.7999	751055.1	-48.3008	10.33195	14187427	-1.6E+07	3863013
836.9999	751061.7	-48.293	10.32141	14190079	-1.6E+07	3859114
837.1999	751068.4	-48.2852	10.31087	14192730	-1.6E+07	3855214
837.3999	751075.1	-48.2774	10.30032	14195381	-1.6E+07	3851315
837.5999	751081.8	-48.2695	10.28978	14198030	-1.6E+07	3847415
837.7999	751088.5	-48.2617	10.27923	14200679	-1.6E+07	3843515
837.9999	751095.2	-48.2539	10.26869	14203327	-1.6E+07	3839615
838.1999	751101.9	-48.2461	10.25814	14205975	-1.6E+07	3835714
838.3999	751108.7	-48.2382	10.24759	14208621	-1.6E+07	3831813
838.5999	751115.4	-48.2304	10.23705	14211267	-1.6E+07	3827913
838.7999	751122.2	-48.2226	10.2265	14213913	-1.6E+07	3824012
838.9999	751128.9	-48.2148	10.21596	14216557	-1.6E+07	3820110
839.1999	751135.7	-48.207	10.20541	14219201	-1.6E+07	3816209
839.3999	751142.5	-48.1991	10.19486	14221844	-1.6E+07	3812307
839.5999	751149.3	-48.1913	10.18432	14224486	-1.6E+07	3808405
839.7999	751156.1	-48.1835	10.17377	14227127	-1.6E+07	3804503
839.9999	751162.9	-48.1757	10.16322	14229768	-1.6E+07	3800601
840.1999	751169.7	-48.1679	10.15267	14232408	-1.6E+07	3796698
840.3999	751176.5	-48.1601	10.14213	14235047	-1.6E+07	3792795
840.5999	751183.3	-48.1522	10.13158	14237686	-1.6E+07	3788892
840.7999	751190.2	-48.1444	10.12103	14240324	-1.6E+07	3784989
840.9999	751197	-48.1366	10.11048	14242961	-1.6E+07	3781086
841.1999	751203.9	-48.1288	10.09993	14245597	-1.6E+07	3777182
841.3999	751210.8	-48.121	10.08938	14248233	-1.6E+07	3773278
841.5999	751217.6	-48.1132	10.07883	14250867	-1.6E+07	3769374
841.7999	751224.5	-48.1054	10.06828	14253501	-1.6E+07	3765470
841.9999	751231.4	-48.0976	10.05773	14256135	-1.6E+07	3761566
842.1999	751238.3	-48.0898	10.04718	14258767	-1.6E+07	3757661
842.3999	751245.2	-48.0819	10.03663	14261399	-1.6E+07	3753756
842.5999	751252.1	-48.0741	10.02608	14264030	-1.6E+07	3749851
842.7999	751259.1	-48.0663	10.01553	14266661	-1.6E+07	3745946
842.9999	751266	-48.0585	10.00498	14269290	-1.6E+07	3742040
843.1999	751273	-48.0507	9.994431	14271919	-1.6E+07	3738135
843.3999	751279.9	-48.0429	9.98388	14274547	-1.6E+07	3734229
843.5999	751286.9	-48.0351	9.973329	14277174	-1.6E+07	3730323
843.7999	751293.8	-48.0273	9.962777	14279801	-1.6E+07	3726416
843.9999	751300.8	-48.0195	9.952225	14282427	-1.6E+07	3722510
844.1999	751307.8	-48.0117	9.941673	14285052	-1.6E+07	3718603
844.3999	751314.8	-48.0039	9.931121	14287676	-1.6E+07	3714696
844.5999	751321.8	-47.9961	9.920568	14290300	-1.6E+07	3710789
844.7999	751328.8	-47.9883	9.910015	14292923	-1.6E+07	3706882
844.9999	751335.9	-47.9805	9.899462	14295545	-1.6E+07	3702974
845.1999	751342.9	-47.9727	9.888909	14298166	-1.6E+07	3699066
845.3999	751349.9	-47.9649	9.878356	14300787	-1.6E+07	3695158
845.5999	751357	-47.9571	9.867802	14303407	-1.6E+07	3691250
845.7999	751364.1	-47.9493	9.857248	14306026	-1.6E+07	3687342
845.9999	751371.1	-47.9415	9.846694	14308644	-1.6E+07	3683433

846.1999	751378.2	-47.9337	9.83614	14311262	-1.6E+07	3679524
846.3999	751385.3	-47.9259	9.825585	14313879	-1.6E+07	3675615
846.5999	751392.4	-47.9181	9.815031	14316495	-1.6E+07	3671706
846.7999	751399.5	-47.9103	9.804476	14319111	-1.6E+07	3667797
846.9999	751406.6	-47.9025	9.793921	14321725	-1.6E+07	3663887
847.1999	751413.7	-47.8947	9.783365	14324339	-1.6E+07	3659978
847.3999	751420.9	-47.8869	9.77281	14326952	-1.6E+07	3656068
847.5999	751428	-47.8791	9.762254	14329565	-1.6E+07	3652157
847.7999	751435.1	-47.8713	9.751698	14332176	-1.6E+07	3648247
847.9999	751442.3	-47.8635	9.741142	14334787	-1.6E+07	3644336
848.1999	751449.5	-47.8557	9.730585	14337398	-1.6E+07	3640425
848.3999	751456.6	-47.8479	9.720028	14340007	-1.6E+07	3636514
848.5999	751463.8	-47.8401	9.709472	14342616	-1.6E+07	3632603
848.7999	751471	-47.8323	9.698914	14345224	-1.6E+07	3628692
848.9999	751478.2	-47.8245	9.688357	14347831	-1.6E+07	3624780
849.1999	751485.4	-47.8167	9.6778	14350437	-1.6E+07	3620868
849.3999	751492.7	-47.809	9.667242	14353043	-1.6E+07	3616956
849.5999	751499.9	-47.8012	9.656684	14355648	-1.6E+07	3613044
849.7999	751507.1	-47.7934	9.646126	14358252	-1.6E+07	3609132
849.9999	751514.4	-47.7856	9.635567	14360855	-1.6E+07	3605219
850.1999	751521.6	-47.7778	9.625009	14363458	-1.6E+07	3601306
850.3999	751528.9	-47.77	9.61445	14366060	-1.6E+07	3597393
850.5999	751536.2	-47.7622	9.603891	14368661	-1.6E+07	3593480
850.7999	751543.4	-47.7544	9.593332	14371262	-1.6E+07	3589567
850.9999	751550.7	-47.7467	9.582772	14373861	-1.6E+07	3585653
851.1999	751558	-47.7389	9.572213	14376460	-1.6E+07	3581739
851.3999	751565.3	-47.7311	9.561653	14379058	-1.6E+07	3577825
851.5999	751572.6	-47.7233	9.551093	14381656	-1.6E+07	3573911
851.7999	751580	-47.7155	9.540533	14384253	-1.6E+07	3569997
851.9999	751587.3	-47.7077	9.529972	14386849	-1.6E+07	3566082
852.1999	751594.7	-47.6999	9.519411	14389444	-1.6E+07	3562167
852.3999	751602	-47.6922	9.508851	14392038	-1.6E+07	3558252
852.5999	751609.4	-47.6844	9.498289	14394632	-1.6E+07	3554337
852.7999	751616.7	-47.6766	9.487728	14397225	-1.6E+07	3550422
852.9999	751624.1	-47.6688	9.477167	14399817	-1.6E+07	3546506
853.1999	751631.5	-47.661	9.466605	14402408	-1.6E+07	3542590
853.3999	751638.9	-47.6533	9.456043	14404999	-1.6E+07	3538674
853.5999	751646.3	-47.6455	9.445481	14407589	-1.6E+07	3534758
853.7999	751653.7	-47.6377	9.434919	14410178	-1.6E+07	3530842
853.9999	751661.1	-47.6299	9.424356	14412767	-1.6E+07	3526925
854.1999	751668.6	-47.6222	9.413793	14415354	-1.6E+07	3523009
854.3999	751676	-47.6144	9.40323	14417941	-1.6E+07	3519092
854.5999	751683.5	-47.6066	9.392667	14420527	-1.6E+07	3515174
854.7999	751690.9	-47.5988	9.382104	14423113	-1.6E+07	3511257
854.9999	751698.4	-47.591	9.37154	14425698	-1.6E+07	3507340
855.1999	751705.9	-47.5833	9.360976	14428281	-1.6E+07	3503422
855.3999	751713.3	-47.5755	9.350412	14430865	-1.6E+07	3499504

855.5999	751720.8	-47.5677	9.339848	14433447	-1.6E+07	3495586
855.7999	751728.3	-47.56	9.329284	14436029	-1.6E+07	3491667
855.9999	751735.8	-47.5522	9.318719	14438610	-1.6E+07	3487749
856.1999	751743.4	-47.5444	9.308154	14441190	-1.6E+07	3483830
856.3999	751750.9	-47.5366	9.297589	14443769	-1.6E+07	3479911
856.5999	751758.4	-47.5289	9.287024	14446348	-1.6E+07	3475992
856.7999	751766	-47.5211	9.276459	14448926	-1.6E+07	3472073
856.9999	751773.5	-47.5133	9.265893	14451503	-1.6E+07	3468153
857.1999	751781.1	-47.5056	9.255327	14454079	-1.6E+07	3464234
857.3999	751788.7	-47.4978	9.244761	14456655	-1.6E+07	3460314
857.5999	751796.3	-47.49	9.234195	14459230	-1.6E+07	3456394
857.7999	751803.8	-47.4822	9.223629	14461804	-1.6E+07	3452474
857.9999	751811.4	-47.4745	9.213062	14464377	-1.6E+07	3448553
858.1999	751819.1	-47.4667	9.202495	14466950	-1.6E+07	3444633
858.3999	751826.7	-47.4589	9.191928	14469522	-1.6E+07	3440712
858.5999	751834.3	-47.4512	9.181361	14472093	-1.6E+07	3436791
858.7999	751841.9	-47.4434	9.170793	14474663	-1.6E+07	3432870
858.9999	751849.6	-47.4357	9.160226	14477233	-1.6E+07	3428948
859.1999	751857.2	-47.4279	9.149658	14479802	-1.6E+07	3425027
859.3999	751864.9	-47.4201	9.13909	14482370	-1.6E+07	3421105
859.5999	751872.6	-47.4124	9.128522	14484937	-1.6E+07	3417183
859.7999	751880.2	-47.4046	9.117953	14487504	-1.6E+07	3413261
859.9999	751887.9	-47.3968	9.107385	14490069	-1.6E+07	3409338
860.1999	751895.6	-47.3891	9.096816	14492635	-1.6E+07	3405416
860.3999	751903.3	-47.3813	9.086247	14495199	-1.6E+07	3401493
860.5999	751911	-47.3735	9.075678	14497762	-1.6E+07	3397570
860.7999	751918.8	-47.3658	9.065108	14500325	-1.6E+07	3393647
860.9999	751926.5	-47.358	9.054539	14502887	-1.6E+07	3389724
861.1999	751934.2	-47.3503	9.043969	14505449	-1.6E+07	3385800
861.3999	751942	-47.3425	9.033399	14508009	-1.6E+07	3381877
861.5999	751949.7	-47.3348	9.022829	14510569	-1.6E+07	3377953
861.7999	751957.5	-47.327	9.012258	14513128	-1.6E+07	3374029
861.9999	751965.3	-47.3192	9.001688	14515686	-1.6E+07	3370105
862.1999	751973.1	-47.3115	8.991117	14518244	-1.6E+07	3366180
862.3999	751980.9	-47.3037	8.980546	14520800	-1.6E+07	3362256
862.5999	751988.7	-47.296	8.969975	14523356	-1.6E+07	3358331
862.7999	751996.5	-47.2882	8.959403	14525912	-1.6E+07	3354406
862.9999	752004.3	-47.2805	8.948832	14528466	-1.6E+07	3350481
863.1999	752012.1	-47.2727	8.93826	14531020	-1.6E+07	3346555
863.3999	752020	-47.265	8.927688	14533573	-1.6E+07	3342630
863.5999	752027.8	-47.2572	8.917116	14536125	-1.6E+07	3338704
863.7999	752035.7	-47.2494	8.906543	14538677	-1.6E+07	3334778
863.9999	752043.5	-47.2417	8.895971	14541227	-1.6E+07	3330852
864.1999	752051.4	-47.2339	8.885398	14543777	-1.6E+07	3326926
864.3999	752059.3	-47.2262	8.874825	14546326	-1.6E+07	3323000
864.5999	752067.2	-47.2184	8.864252	14548875	-1.6E+07	3319073
864.7999	752075.1	-47.2107	8.853679	14551422	-1.6E+07	3315146

864.9999	752083	-47.2029	8.843105	14553969	-1.6E+07	3311219
865.1999	752090.9	-47.1952	8.832531	14556516	-1.6E+07	3307292
865.3999	752098.8	-47.1874	8.821958	14559061	-1.6E+07	3303365
865.5999	752106.8	-47.1797	8.811383	14561606	-1.6E+07	3299437
865.7999	752114.7	-47.1719	8.800809	14564149	-1.6E+07	3295509
865.9999	752122.7	-47.1642	8.790235	14566693	-1.6E+07	3291581
866.1999	752130.6	-47.1565	8.77966	14569235	-1.6E+07	3287653
866.3999	752138.6	-47.1487	8.769085	14571777	-1.6E+07	3283725
866.5999	752146.6	-47.141	8.75851	14574317	-1.6E+07	3279797
866.7999	752154.6	-47.1332	8.747935	14576857	-1.6E+07	3275868
866.9999	752162.6	-47.1255	8.73736	14579397	-1.6E+07	3271939
867.1999	752170.6	-47.1177	8.726784	14581935	-1.6E+07	3268010
867.3999	752178.6	-47.11	8.716208	14584473	-1.6E+07	3264081
867.5999	752186.6	-47.1022	8.705632	14587010	-1.6E+07	3260152
867.7999	752194.6	-47.0945	8.695056	14589546	-1.6E+07	3256222
867.9999	752202.7	-47.0868	8.68448	14592082	-1.6E+07	3252292
868.1999	752210.7	-47.079	8.673903	14594617	-1.6E+07	3248362
868.3999	752218.8	-47.0713	8.663326	14597151	-1.6E+07	3244432
868.5999	752226.9	-47.0635	8.652749	14599684	-1.6E+07	3240502
868.7999	752234.9	-47.0558	8.642172	14602216	-1.6E+07	3236572
868.9999	752243	-47.048	8.631595	14604748	-1.6E+07	3232641
869.1999	752251.1	-47.0403	8.621017	14607279	-1.6E+07	3228710
869.3999	752259.2	-47.0326	8.61044	14609809	-1.6E+07	3224779
869.5999	752267.3	-47.0248	8.599862	14612339	-1.6E+07	3220848
869.7999	752275.4	-47.0171	8.589284	14614868	-1.6E+07	3216917
869.9999	752283.6	-47.0094	8.578706	14617395	-1.6E+07	3212985
870.1999	752291.7	-47.0016	8.568127	14619923	-1.6E+07	3209054
870.3999	752299.9	-46.9939	8.557549	14622449	-1.6E+07	3205122
870.5999	752308	-46.9861	8.54697	14624975	-1.6E+07	3201190
870.7999	752316.2	-46.9784	8.536391	14627500	-1.6E+07	3197257
870.9999	752324.4	-46.9707	8.525812	14630024	-1.6E+07	3193325
871.1999	752332.5	-46.9629	8.515232	14632547	-1.6E+07	3189392
871.3999	752340.7	-46.9552	8.504653	14635070	-1.6E+07	3185460
871.5999	752348.9	-46.9475	8.494073	14637591	-1.6E+07	3181527
871.7999	752357.1	-46.9397	8.483493	14640112	-1.6E+07	3177594
871.9999	752365.4	-46.932	8.472913	14642633	-1.6E+07	3173660
872.1999	752373.6	-46.9243	8.462333	14645152	-1.6E+07	3169727
872.3999	752381.8	-46.9165	8.451753	14647671	-1.6E+07	3165793
872.5999	752390.1	-46.9088	8.441172	14650189	-1.6E+07	3161859
872.7999	752398.3	-46.9011	8.430591	14652706	-1.6E+07	3157925
872.9999	752406.6	-46.8933	8.42001	14655223	-1.6E+07	3153991
873.1999	752414.9	-46.8856	8.409429	14657739	-1.6E+07	3150057
873.3999	752423.1	-46.8779	8.398848	14660254	-1.6E+07	3146122
873.5999	752431.4	-46.8702	8.388266	14662768	-1.6E+07	3142188
873.7999	752439.7	-46.8624	8.377684	14665281	-1.6E+07	3138253
873.9999	752448	-46.8547	8.367102	14667794	-1.6E+07	3134318
874.1999	752456.3	-46.847	8.35652	14670306	-1.6E+07	3130383

874.3999	752464.7	-46.8392	8.345938	14672817	-1.6E+07	3126447
874.5999	752473	-46.8315	8.335356	14675327	-1.6E+07	3122512
874.7999	752481.3	-46.8238	8.324773	14677837	-1.6E+07	3118576
874.9999	752489.7	-46.8161	8.31419	14680346	-1.6E+07	3114640
875.1999	752498.1	-46.8083	8.303607	14682854	-1.6E+07	3110704
875.3999	752506.4	-46.8006	8.293024	14685361	-1.6E+07	3106768
875.5999	752514.8	-46.7929	8.282441	14687868	-1.6E+07	3102831
875.7999	752523.2	-46.7852	8.271857	14690374	-1.6E+07	3098895
875.9999	752531.6	-46.7774	8.261274	14692879	-1.6E+07	3094958
876.1999	752540	-46.7697	8.25069	14695383	-1.6E+07	3091021
876.3999	752548.4	-46.762	8.240106	14697886	-1.6E+07	3087084
876.5999	752556.8	-46.7543	8.229522	14700389	-1.6E+07	3083147
876.7999	752565.2	-46.7466	8.218937	14702891	-1.6E+07	3079209
876.9999	752573.7	-46.7388	8.208353	14705392	-1.6E+07	3075272
877.1999	752582.1	-46.7311	8.197768	14707893	-1.6E+07	3071334
877.3999	752590.6	-46.7234	8.187183	14710393	-1.6E+07	3067396
877.5999	752599.1	-46.7157	8.176598	14712891	-1.6E+07	3063458
877.7999	752607.5	-46.708	8.166013	14715390	-1.6E+07	3059519
877.9999	752616	-46.7002	8.155427	14717887	-1.6E+07	3055581
878.1999	752624.5	-46.6925	8.144842	14720384	-1.6E+07	3051642
878.3999	752633	-46.6848	8.134256	14722879	-1.6E+07	3047704
878.5999	752641.5	-46.6771	8.12367	14725375	-1.6E+07	3043765
878.7999	752650	-46.6694	8.113084	14727869	-1.6E+07	3039825
878.9999	752658.6	-46.6617	8.102497	14730362	-1.6E+07	3035886
879.1999	752667.1	-46.6539	8.091911	14732855	-1.6E+07	3031947
879.3999	752675.6	-46.6462	8.081324	14735347	-1.6E+07	3028007
879.5999	752684.2	-46.6385	8.070737	14737839	-1.6E+07	3024067
879.7999	752692.8	-46.6308	8.06015	14740329	-1.6E+07	3020127
879.9999	752701.3	-46.6231	8.049563	14742819	-1.6E+07	3016187
880.1999	752709.9	-46.6154	8.038976	14745308	-1.6E+07	3012247
880.3999	752718.5	-46.6076	8.028388	14747796	-1.6E+07	3008306
880.5999	752727.1	-46.5999	8.017801	14750283	-1.6E+07	3004366
880.7999	752735.7	-46.5922	8.007213	14752770	-1.6E+07	3000425
880.9999	752744.3	-46.5845	7.996625	14755256	-1.6E+07	2996484
881.1999	752753	-46.5768	7.986036	14757741	-1.6E+07	2992543
881.3999	752761.6	-46.5691	7.975448	14760225	-1.6E+07	2988601
881.5999	752770.2	-46.5614	7.96486	14762709	-1.6E+07	2984660
881.7999	752778.9	-46.5537	7.954271	14765192	-1.6E+07	2980718
881.9999	752787.5	-46.546	7.943682	14767674	-1.6E+07	2976776
882.1999	752796.2	-46.5382	7.933093	14770155	-1.6E+07	2972834
882.3999	752804.9	-46.5305	7.922504	14772636	-1.6E+07	2968892
882.5999	752813.6	-46.5228	7.911914	14775115	-1.6E+07	2964950
882.7999	752822.3	-46.5151	7.901325	14777594	-1.6E+07	2961007
882.9999	752831	-46.5074	7.890735	14780073	-1.6E+07	2957065
883.1999	752839.7	-46.4997	7.880145	14782550	-1.6E+07	2953122
883.3999	752848.4	-46.492	7.869555	14785027	-1.6E+07	2949179
883.5999	752857.1	-46.4843	7.858965	14787503	-1.6E+07	2945236

883.7999	752865.9	-46.4766	7.848374	14789978	-1.6E+07	2941293
883.9999	752874.6	-46.4689	7.837784	14792452	-1.6E+07	2937349
884.1999	752883.4	-46.4612	7.827193	14794926	-1.6E+07	2933406
884.3999	752892.2	-46.4535	7.816602	14797399	-1.6E+07	2929462
884.5999	752900.9	-46.4458	7.806011	14799871	-1.6E+07	2925518
884.7999	752909.7	-46.4381	7.79542	14802342	-1.6E+07	2921574
884.9999	752918.5	-46.4304	7.784828	14804812	-1.6E+07	2917630
885.1999	752927.3	-46.4227	7.774237	14807282	-1.6E+07	2913685
885.3999	752936.1	-46.415	7.763645	14809751	-1.6E+07	2909741
885.5999	752944.9	-46.4073	7.753053	14812219	-1.6E+07	2905796
885.7999	752953.8	-46.3996	7.742461	14814687	-1.6E+07	2901851
885.9999	752962.6	-46.3919	7.731869	14817153	-1.6E+07	2897906
886.1999	752971.5	-46.3842	7.721276	14819619	-1.6E+07	2893961
886.3999	752980.3	-46.3765	7.710684	14822085	-1.6E+07	2890015
886.5999	752989.2	-46.3688	7.700091	14824549	-1.6E+07	2886070
886.7999	752998	-46.3611	7.689498	14827012	-1.6E+07	2882124
886.9999	753006.9	-46.3534	7.678905	14829475	-1.6E+07	2878178
887.1999	753015.8	-46.3457	7.668312	14831937	-1.6E+07	2874232
887.3999	753024.7	-46.338	7.657718	14834399	-1.6E+07	2870286
887.5999	753033.6	-46.3303	7.647125	14836859	-1.6E+07	2866339
887.7999	753042.5	-46.3226	7.636531	14839319	-1.6E+07	2862393
887.9999	753051.5	-46.3149	7.625937	14841778	-1.6E+07	2858446
888.1999	753060.4	-46.3072	7.615343	14844236	-1.6E+07	2854499
888.3999	753069.3	-46.2995	7.604749	14846693	-1.6E+07	2850553
888.5999	753078.3	-46.2918	7.594155	14849150	-1.6E+07	2846605
888.7999	753087.3	-46.2841	7.58356	14851606	-1.6E+07	2842658
888.9999	753096.2	-46.2764	7.572965	14854061	-1.6E+07	2838711
889.1999	753105.2	-46.2687	7.562371	14856515	-1.6E+07	2834763
889.3999	753114.2	-46.261	7.551776	14858969	-1.6E+07	2830815
889.5999	753123.2	-46.2533	7.54118	14861422	-1.6E+07	2826867
889.7999	753132.2	-46.2456	7.530585	14863874	-1.6E+07	2822919
889.9999	753141.2	-46.2379	7.51999	14866325	-1.6E+07	2818971
890.1999	753150.2	-46.2302	7.509394	14868776	-1.6E+07	2815023
890.3999	753159.3	-46.2225	7.498798	14871225	-1.6E+07	2811074
890.5999	753168.3	-46.2148	7.488202	14873674	-1.6E+07	2807125
890.7999	753177.4	-46.2072	7.477606	14876122	-1.6E+07	2803176
890.9999	753186.4	-46.1995	7.46701	14878570	-1.6E+07	2799227
891.1999	753195.5	-46.1918	7.456413	14881016	-1.6E+07	2795278
891.3999	753204.6	-46.1841	7.445817	14883462	-1.6E+07	2791329
891.5999	753213.6	-46.1764	7.43522	14885907	-1.6E+07	2787379
891.7999	753222.7	-46.1687	7.424623	14888351	-1.6E+07	2783430
891.9999	753231.8	-46.161	7.414026	14890795	-1.6E+07	2779480
892.1999	753240.9	-46.1533	7.403429	14893238	-1.6E+07	2775530
892.3999	753250.1	-46.1456	7.392831	14895680	-1.6E+07	2771580
892.5999	753259.2	-46.138	7.382234	14898121	-1.6E+07	2767630
892.7999	753268.3	-46.1303	7.371636	14900561	-1.6E+07	2763679
892.9999	753277.5	-46.1226	7.361038	14903001	-1.5E+07	2759729

893.1999	753286.6	-46.1149	7.35044	14905440	-1.5E+07	2755778
893.3999	753295.8	-46.1072	7.339842	14907878	-1.5E+07	2751827
893.5999	753305	-46.0995	7.329244	14910315	-1.5E+07	2747876
893.7999	753314.2	-46.0918	7.318645	14912752	-1.5E+07	2743925
893.9999	753323.3	-46.0842	7.308047	14915188	-1.5E+07	2739974
894.1999	753332.5	-46.0765	7.297448	14917623	-1.5E+07	2736022
894.2099	753333	-46.0761	7.296918	14917744	-1.5E+07	2735825
894.3999	753341.8	-46.0688	7.286849	14920057	-1.5E+07	2732071
894.5999	753351	-46.0611	7.27625	14922490	-1.5E+07	2728119
894.7999	753360.2	-46.0534	7.265651	14924923	-1.5E+07	2724167
894.9999	753369.4	-46.0457	7.255051	14927355	-1.5E+07	2720215
895.1999	753378.7	-46.0381	7.244452	14929786	-1.5E+07	2716263
895.3999	753387.9	-46.0304	7.233852	14932216	-1.5E+07	2712310
895.5999	753397.2	-46.0227	7.223253	14934646	-1.5E+07	2708358
895.7999	753406.5	-46.015	7.212653	14937075	-1.5E+07	2704405
895.9999	753415.8	-46.0073	7.202053	14939503	-1.5E+07	2700452
896.1999	753425.1	-45.9997	7.191452	14941930	-1.5E+07	2696499
896.3999	753434.4	-45.992	7.180852	14944356	-1.5E+07	2692546
896.5999	753443.7	-45.9843	7.170252	14946782	-1.5E+07	2688593
896.7999	753453	-45.9766	7.159651	14949207	-1.5E+07	2684640
896.9999	753462.3	-45.9689	7.14905	14951631	-1.5E+07	2680686
897.1999	753471.7	-45.9613	7.13845	14954054	-1.5E+07	2676733
897.3999	753481	-45.9536	7.127849	14956477	-1.5E+07	2672779
897.5999	753490.4	-45.9459	7.117247	14958898	-1.5E+07	2668825
897.7999	753499.7	-45.9382	7.106646	14961319	-1.5E+07	2664871
897.9999	753509.1	-45.9306	7.096045	14963740	-1.5E+07	2660917
898.1999	753518.5	-45.9229	7.085443	14966159	-1.5E+07	2656962
898.3999	753527.9	-45.9152	7.074841	14968578	-1.5E+07	2653008
898.5999	753537.3	-45.9075	7.064239	14970996	-1.5E+07	2649053
898.7999	753546.7	-45.8999	7.053637	14973413	-1.5E+07	2645098
898.9999	753556.1	-45.8922	7.043035	14975829	-1.5E+07	2641143
899.1999	753565.5	-45.8845	7.032433	14978245	-1.5E+07	2637188
899.3999	753575	-45.8768	7.02183	14980659	-1.5E+07	2633233
899.5999	753584.4	-45.8692	7.011228	14983073	-1.5E+07	2629278
899.7999	753593.9	-45.8615	7.000625	14985486	-1.5E+07	2625322
899.9999	753603.3	-45.8538	6.990022	14987899	-1.5E+07	2621366
900.1999	753612.8	-45.8461	6.979419	14990311	-1.5E+07	2617410
900.3999	753622.3	-45.8385	6.968816	14992721	-1.5E+07	2613454
900.5999	753631.8	-45.8308	6.958212	14995132	-1.5E+07	2609498
900.7999	753641.3	-45.8231	6.947609	14997541	-1.5E+07	2605542
900.9999	753650.8	-45.8155	6.937005	14999949	-1.5E+07	2601586
901.1999	753660.3	-45.8078	6.926401	15002357	-1.5E+07	2597629
901.3999	753669.8	-45.8001	6.915798	15004764	-1.5E+07	2593672
901.5999	753679.3	-45.7925	6.905193	15007170	-1.5E+07	2589716
901.7999	753688.9	-45.7848	6.894589	15009576	-1.5E+07	2585759
901.9999	753698.4	-45.7771	6.883985	15011980	-1.5E+07	2581801
902.1999	753708	-45.7695	6.87338	15014384	-1.5E+07	2577844

902.3999	753717.6	-45.7618	6.862776	15016787	-1.5E+07	2573887
902.5999	753727.1	-45.7541	6.852171	15019190	-1.5E+07	2569929
902.7999	753736.7	-45.7465	6.841566	15021591	-1.5E+07	2565971
902.9999	753746.3	-45.7388	6.830961	15023992	-1.5E+07	2562014
903.1999	753755.9	-45.7311	6.820356	15026392	-1.5E+07	2558056
903.3999	753765.5	-45.7235	6.80975	15028791	-1.5E+07	2554098
903.5999	753775.2	-45.7158	6.799145	15031189	-1.5E+07	2550139
903.7999	753784.8	-45.7081	6.788539	15033587	-1.5E+07	2546181
903.9999	753794.4	-45.7005	6.777933	15035984	-1.5E+07	2542222
904.1999	753804.1	-45.6928	6.767327	15038380	-1.5E+07	2538264
904.3999	753813.7	-45.6851	6.756721	15040775	-1.5E+07	2534305
904.5999	753823.4	-45.6775	6.746115	15043170	-1.5E+07	2530346
904.7999	753833.1	-45.6698	6.735509	15045563	-1.5E+07	2526387
904.9999	753842.8	-45.6621	6.724902	15047956	-1.5E+07	2522427
905.1999	753852.4	-45.6545	6.714296	15050349	-1.5E+07	2518468
905.3999	753862.1	-45.6468	6.703689	15052740	-1.5E+07	2514508
905.5999	753871.8	-45.6392	6.693082	15055131	-1.5E+07	2510549
905.7999	753881.6	-45.6315	6.682475	15057520	-1.5E+07	2506589
905.9999	753891.3	-45.6238	6.671868	15059909	-1.5E+07	2502629
906.1999	753901	-45.6162	6.66126	15062298	-1.5E+07	2498669
906.3999	753910.8	-45.6085	6.650653	15064685	-1.5E+07	2494709
906.5999	753920.5	-45.6009	6.640045	15067072	-1.5E+07	2490748
906.7999	753930.3	-45.5932	6.629437	15069458	-1.5E+07	2486788
906.9999	753940.1	-45.5855	6.618829	15071843	-1.5E+07	2482827
907.1999	753949.8	-45.5779	6.608221	15074227	-1.5E+07	2478866
907.3999	753959.6	-45.5702	6.597613	15076611	-1.5E+07	2474905
907.5999	753969.4	-45.5626	6.587005	15078993	-1.5E+07	2470944
907.7999	753979.2	-45.5549	6.576397	15081375	-1.5E+07	2466983
907.9999	753989	-45.5473	6.565788	15083757	-1.5E+07	2463022
908.1999	753998.9	-45.5396	6.555179	15086137	-1.5E+07	2459060
908.3999	754008.7	-45.5319	6.54457	15088517	-1.5E+07	2455099
908.5999	754018.5	-45.5243	6.533961	15090896	-1.5E+07	2451137
908.7999	754028.4	-45.5166	6.523352	15093274	-1.5E+07	2447175
908.9999	754038.2	-45.509	6.512743	15095651	-1.5E+07	2443213
909.1999	754048.1	-45.5013	6.502134	15098028	-1.5E+07	2439251
909.3999	754058	-45.4937	6.491524	15100403	-1.5E+07	2435289
909.5999	754067.9	-45.486	6.480914	15102778	-1.5E+07	2431326
909.7999	754077.8	-45.4784	6.470305	15105152	-1.5E+07	2427364
909.9999	754087.7	-45.4707	6.459695	15107526	-1.5E+07	2423401
910.1999	754097.6	-45.4631	6.449085	15109898	-1.5E+07	2419438
910.3999	754107.5	-45.4554	6.438474	15112270	-1.5E+07	2415475
910.5999	754117.4	-45.4477	6.427864	15114641	-1.5E+07	2411512
910.7999	754127.4	-45.4401	6.417254	15117011	-1.5E+07	2407549
910.9999	754137.3	-45.4324	6.406643	15119381	-1.5E+07	2403586
911.1999	754147.3	-45.4248	6.396032	15121750	-1.5E+07	2399622
911.3999	754157.2	-45.4171	6.385421	15124118	-1.5E+07	2395659
911.5999	754167.2	-45.4095	6.37481	15126485	-1.5E+07	2391695

911.7999	754177.2	-45.4018	6.364199	15128851	-1.5E+07	2387731
911.9999	754187.2	-45.3942	6.353588	15131216	-1.5E+07	2383767
912.1999	754197.2	-45.3865	6.342977	15133581	-1.5E+07	2379803
912.3999	754207.2	-45.3789	6.332365	15135945	-1.5E+07	2375839
912.5999	754217.2	-45.3712	6.321754	15138308	-1.5E+07	2371874
912.7999	754227.2	-45.3636	6.311142	15140671	-1.5E+07	2367910
912.9999	754237.3	-45.3559	6.30053	15143032	-1.5E+07	2363945
913.1999	754247.3	-45.3483	6.289918	15145393	-1.5E+07	2359980
913.3999	754257.3	-45.3407	6.279306	15147753	-1.5E+07	2356015
913.5999	754267.4	-45.333	6.268693	15150113	-1.5E+07	2352050
913.7999	754277.5	-45.3254	6.258081	15152471	-1.5E+07	2348085
913.9999	754287.6	-45.3177	6.247468	15154829	-1.5E+07	2344120
914.1999	754297.6	-45.3101	6.236856	15157186	-1.5E+07	2340154
914.3999	754307.7	-45.3024	6.226243	15159542	-1.5E+07	2336189
914.5999	754317.8	-45.2948	6.21563	15161897	-1.5E+07	2332223
914.7999	754327.9	-45.2871	6.205017	15164252	-1.5E+07	2328257
914.9999	754338.1	-45.2795	6.194404	15166605	-1.5E+07	2324291
915.1999	754348.2	-45.2718	6.18379	15168958	-1.5E+07	2320325
915.3999	754358.3	-45.2642	6.173177	15171311	-1.5E+07	2316359
915.5999	754368.5	-45.2566	6.162563	15173662	-1.5E+07	2312392
915.7999	754378.6	-45.2489	6.15195	15176013	-1.5E+07	2308426
915.9999	754388.8	-45.2413	6.141336	15178362	-1.5E+07	2304459
916.1999	754399	-45.2336	6.130722	15180711	-1.5E+07	2300493
916.3999	754409.2	-45.226	6.120108	15183060	-1.5E+07	2296526
916.5999	754419.4	-45.2183	6.109493	15185407	-1.5E+07	2292559
916.7999	754429.6	-45.2107	6.098879	15187754	-1.5E+07	2288592
916.9999	754439.8	-45.2031	6.088265	15190100	-1.5E+07	2284624
917.1999	754450	-45.1954	6.07765	15192445	-1.5E+07	2280657
917.3999	754460.2	-45.1878	6.067035	15194789	-1.5E+07	2276690
917.5999	754470.5	-45.1801	6.05642	15197133	-1.5E+07	2272722
917.7999	754480.7	-45.1725	6.045805	15199475	-1.5E+07	2268754
917.9999	754491	-45.1649	6.03519	15201817	-1.5E+07	2264786
918.1999	754501.2	-45.1572	6.024575	15204158	-1.5E+07	2260818
918.3999	754511.5	-45.1496	6.01396	15206499	-1.5E+07	2256850
918.5999	754521.8	-45.142	6.003344	15208838	-1.5E+07	2252882
918.7999	754532.1	-45.1343	5.992729	15211177	-1.5E+07	2248914
918.9999	754542.3	-45.1267	5.982113	15213515	-1.5E+07	2244945
919.1999	754552.7	-45.119	5.971497	15215852	-1.5E+07	2240976
919.3999	754563	-45.1114	5.960881	15218189	-1.5E+07	2237008
919.5999	754573.3	-45.1038	5.950265	15220525	-1.5E+07	2233039
919.7999	754583.6	-45.0961	5.939649	15222859	-1.5E+07	2229070
919.9999	754594	-45.0885	5.929033	15225193	-1.5E+07	2225101
920.1999	754604.3	-45.0809	5.918416	15227527	-1.5E+07	2221131
920.3999	754614.7	-45.0732	5.9078	15229859	-1.5E+07	2217162
920.5999	754625	-45.0656	5.897183	15232191	-1.5E+07	2213192
920.7999	754635.4	-45.058	5.886566	15234522	-1.5E+07	2209223
920.9999	754645.8	-45.0503	5.875949	15236852	-1.5E+07	2205253

921.1999	754656.2	-45.0427	5.865332	15239181	-1.5E+07	2201283
921.3999	754666.6	-45.0351	5.854715	15241510	-1.5E+07	2197313
921.5999	754677	-45.0274	5.844098	15243838	-1.5E+07	2193343
921.7999	754687.4	-45.0198	5.83348	15246164	-1.5E+07	2189373
921.9999	754697.9	-45.0122	5.822863	15248491	-1.5E+07	2185403
922.1999	754708.3	-45.0045	5.812245	15250816	-1.5E+07	2181432
922.3999	754718.7	-44.9969	5.801627	15253141	-1.5E+07	2177462
922.5999	754729.2	-44.9893	5.791009	15255464	-1.5E+07	2173491
922.7999	754739.7	-44.9816	5.780391	15257787	-1.5E+07	2169520
922.9999	754750.1	-44.974	5.769773	15260110	-1.5E+07	2165549
923.1999	754760.6	-44.9664	5.759155	15262431	-1.5E+07	2161578
923.3999	754771.1	-44.9587	5.748537	15264752	-1.5E+07	2157607
923.5999	754781.6	-44.9511	5.737918	15267072	-1.5E+07	2153635
923.7999	754792.1	-44.9435	5.7273	15269391	-1.5E+07	2149664
923.9999	754802.6	-44.9358	5.716681	15271709	-1.5E+07	2145693
924.1999	754813.1	-44.9282	5.706062	15274026	-1.5E+07	2141721
924.3999	754823.7	-44.9206	5.695443	15276343	-1.5E+07	2137749
924.5999	754834.2	-44.913	5.684825	15278659	-1.5E+07	2133777
924.7999	754844.8	-44.9053	5.674205	15280974	-1.5E+07	2129805
924.9999	754855.3	-44.8977	5.663586	15283288	-1.5E+07	2125833
925.1999	754865.9	-44.8901	5.652967	15285602	-1.5E+07	2121861
925.3999	754876.5	-44.8824	5.642348	15287914	-1.5E+07	2117889
925.5999	754887	-44.8748	5.631728	15290226	-1.5E+07	2113916
925.7999	754897.6	-44.8672	5.621109	15292537	-1.5E+07	2109944
925.9999	754908.2	-44.8596	5.610489	15294848	-1.5E+07	2105971
926.1999	754918.8	-44.8519	5.59987	15297157	-1.5E+07	2101998
926.3999	754929.5	-44.8443	5.58925	15299466	-1.5E+07	2098026
926.5999	754940.1	-44.8367	5.57863	15301774	-1.5E+07	2094053
926.7999	754950.7	-44.8291	5.56801	15304081	-1.5E+07	2090079
926.9999	754961.3	-44.8214	5.557389	15306387	-1.5E+07	2086106
927.1999	754972	-44.8138	5.546769	15308693	-1.5E+07	2082133
927.3999	754982.7	-44.8062	5.536149	15310998	-1.5E+07	2078159
927.5999	754993.3	-44.7986	5.525528	15313302	-1.5E+07	2074186
927.7999	755004	-44.791	5.514908	15315605	-1.5E+07	2070212
927.9999	755014.7	-44.7833	5.504287	15317907	-1.5E+07	2066238
928.1999	755025.4	-44.7757	5.493666	15320209	-1.5E+07	2062265
928.3999	755036.1	-44.7681	5.483045	15322510	-1.5E+07	2058291
928.5999	755046.8	-44.7605	5.472424	15324810	-1.5E+07	2054316
928.7999	755057.5	-44.7528	5.461803	15327109	-1.5E+07	2050342
928.9999	755068.2	-44.7452	5.451181	15329407	-1.5E+07	2046368
929.1999	755079	-44.7376	5.44056	15331705	-1.5E+07	2042393
929.3999	755089.7	-44.73	5.429938	15334002	-1.5E+07	2038419
929.5999	755100.5	-44.7224	5.419317	15336298	-1.5E+07	2034444
929.7999	755111.2	-44.7147	5.408695	15338593	-1.5E+07	2030469
929.9999	755122	-44.7071	5.398073	15340888	-1.5E+07	2026494
930.1999	755132.8	-44.6995	5.387451	15343181	-1.5E+07	2022519
930.3999	755143.6	-44.6919	5.376829	15345474	-1.5E+07	2018544

930.5999	755154.4	-44.6843	5.366207	15347766	-1.5E+07	2014569
930.7999	755165.2	-44.6766	5.355585	15350057	-1.5E+07	2010593
930.9999	755176	-44.669	5.344962	15352348	-1.5E+07	2006618
931.1999	755186.8	-44.6614	5.33434	15354638	-1.5E+07	2002642
931.3999	755197.7	-44.6538	5.323717	15356927	-1.5E+07	1998667
931.5999	755208.5	-44.6462	5.313095	15359215	-1.5E+07	1994691
931.7999	755219.4	-44.6386	5.302472	15361502	-1.5E+07	1990715
931.9999	755230.2	-44.6309	5.291849	15363788	-1.5E+07	1986739
932.1999	755241.1	-44.6233	5.281226	15366074	-1.5E+07	1982763
932.3999	755252	-44.6157	5.270603	15368359	-1.5E+07	1978786
932.5999	755262.8	-44.6081	5.259979	15370643	-1.5E+07	1974810
932.7999	755273.7	-44.6005	5.249356	15372927	-1.5E+07	1970834
932.9999	755284.6	-44.5929	5.238733	15375209	-1.5E+07	1966857
933.1999	755295.5	-44.5852	5.228109	15377491	-1.5E+07	1962880
933.3999	755306.5	-44.5776	5.217485	15379772	-1.5E+07	1958903
933.5999	755317.4	-44.57	5.206862	15382052	-1.5E+07	1954927
933.7999	755328.3	-44.5624	5.196238	15384331	-1.5E+07	1950950
933.9999	755339.3	-44.5548	5.185614	15386610	-1.5E+07	1946972
934.1999	755350.2	-44.5472	5.17499	15388887	-1.5E+07	1942995
934.3999	755361.2	-44.5396	5.164365	15391164	-1.5E+07	1939018
934.5999	755372.2	-44.5319	5.153741	15393441	-1.5E+07	1935040
934.7999	755383.2	-44.5243	5.143117	15395716	-1.5E+07	1931063
934.9999	755394.1	-44.5167	5.132492	15397991	-1.5E+07	1927085
935.1999	755405.1	-44.5091	5.121868	15400264	-1.5E+07	1923107
935.3999	755416.1	-44.5015	5.111243	15402537	-1.5E+07	1919129
935.5999	755427.2	-44.4939	5.100618	15404809	-1.5E+07	1915151
935.7999	755438.2	-44.4863	5.089993	15407081	-1.5E+07	1911173
935.9999	755449.2	-44.4787	5.079368	15409351	-1.5E+07	1907195
936.1999	755460.3	-44.471	5.068743	15411621	-1.5E+07	1903217
936.3999	755471.3	-44.4634	5.058118	15413890	-1.5E+07	1899238
936.5999	755482.4	-44.4558	5.047492	15416158	-1.5E+07	1895260
936.7999	755493.4	-44.4482	5.036867	15418426	-1.5E+07	1891281
936.9999	755504.5	-44.4406	5.026241	15420692	-1.5E+07	1887303
937.1999	755515.6	-44.433	5.015616	15422958	-1.5E+07	1883324
937.3999	755526.7	-44.4254	5.00499	15425223	-1.5E+07	1879345
937.5999	755537.8	-44.4178	4.994364	15427487	-1.5E+07	1875366
937.7999	755548.9	-44.4102	4.983738	15429751	-1.5E+07	1871387
937.9999	755560	-44.4026	4.973112	15432013	-1.5E+07	1867407
938.1999	755571.2	-44.395	4.962486	15434275	-1.5E+07	1863428
938.3999	755582.3	-44.3873	4.95186	15436536	-1.5E+07	1859449
938.5999	755593.5	-44.3797	4.941234	15438796	-1.5E+07	1855469
938.7999	755604.6	-44.3721	4.930607	15441056	-1.5E+07	1851489
938.9999	755615.8	-44.3645	4.919981	15443314	-1.5E+07	1847510
939.1999	755627	-44.3569	4.909354	15445572	-1.5E+07	1843530
939.3999	755638.1	-44.3493	4.898727	15447829	-1.5E+07	1839550
939.5999	755649.3	-44.3417	4.888101	15450085	-1.5E+07	1835570
939.7999	755660.5	-44.3341	4.877474	15452341	-1.5E+07	1831589

939.9999	755671.7	-44.3265	4.866847	15454595	-1.5E+07	1827609
940.1999	755683	-44.3189	4.85622	15456849	-1.5E+07	1823629
940.3999	755694.2	-44.3113	4.845593	15459102	-1.5E+07	1819648
940.5999	755705.4	-44.3037	4.834965	15461354	-1.5E+07	1815668
940.7999	755716.7	-44.2961	4.824338	15463606	-1.5E+07	1811687
940.9999	755727.9	-44.2885	4.813711	15465856	-1.5E+07	1807706
941.1999	755739.2	-44.2809	4.803083	15468106	-1.5E+07	1803726
941.3999	755750.4	-44.2733	4.792456	15470355	-1.5E+07	1799745
941.5999	755761.7	-44.2657	4.781828	15472603	-1.5E+07	1795764
941.7999	755773	-44.2581	4.7712	15474851	-1.5E+07	1791783
941.9999	755784.3	-44.2505	4.760573	15477097	-1.5E+07	1787801
942.1999	755795.6	-44.2429	4.749945	15479343	-1.5E+07	1783820
942.3999	755806.9	-44.2353	4.739317	15481588	-1.5E+07	1779839
942.5999	755818.2	-44.2277	4.728689	15483832	-1.5E+07	1775857
942.7999	755829.5	-44.2201	4.718061	15486076	-1.5E+07	1771876
942.9999	755840.8	-44.2125	4.707433	15488318	-1.5E+07	1767894
943.1999	755852.2	-44.2049	4.696804	15490560	-1.5E+07	1763912
943.3999	755863.5	-44.1972	4.686176	15492801	-1.5E+07	1759930
943.5999	755874.9	-44.1896	4.675548	15495041	-1.5E+07	1755948
943.7999	755886.2	-44.182	4.664919	15497281	-1.5E+07	1751966
943.9999	755897.6	-44.1744	4.654291	15499519	-1.5E+07	1747984
944.1999	755909	-44.1668	4.643662	15501757	-1.5E+07	1744002
944.3999	755920.4	-44.1593	4.633033	15503994	-1.5E+07	1740020
944.5999	755931.8	-44.1517	4.622404	15506230	-1.5E+07	1736037
944.7999	755943.2	-44.1441	4.611775	15508465	-1.5E+07	1732055
944.9999	755954.6	-44.1365	4.601146	15510700	-1.5E+07	1728072
945.1999	755966	-44.1289	4.590517	15512934	-1.5E+07	1724089
945.3999	755977.5	-44.1213	4.579888	15515167	-1.5E+07	1720106
945.5999	755988.9	-44.1137	4.569259	15517399	-1.5E+07	1716124
945.7999	756000.4	-44.1061	4.558629	15519630	-1.5E+07	1712140
945.9999	756011.8	-44.0985	4.548	15521861	-1.5E+07	1708157
946.1999	756023.3	-44.0909	4.53737	15524090	-1.5E+07	1704174
946.3999	756034.8	-44.0833	4.52674	15526319	-1.5E+07	1700191
946.5999	756046.2	-44.0757	4.516111	15528548	-1.5E+07	1696207
946.7999	756057.7	-44.0681	4.505481	15530775	-1.5E+07	1692224
946.9999	756069.2	-44.0605	4.494851	15533001	-1.5E+07	1688240
947.1999	756080.7	-44.0529	4.484221	15535227	-1.5E+07	1684257
947.3999	756092.3	-44.0453	4.473591	15537452	-1.5E+07	1680273
947.5999	756103.8	-44.0377	4.46296	15539676	-1.5E+07	1676289
947.7999	756115.3	-44.0301	4.45233	15541900	-1.5E+07	1672305
947.9999	756126.9	-44.0225	4.4417	15544122	-1.5E+07	1668321
948.1999	756138.4	-44.0149	4.431069	15546344	-1.5E+07	1664337
948.3999	756150	-44.0073	4.420439	15548565	-1.5E+07	1660353
948.5999	756161.5	-43.9997	4.409808	15550785	-1.5E+07	1656368
948.7999	756173.1	-43.9921	4.399177	15553004	-1.5E+07	1652384
948.9999	756184.7	-43.9845	4.388546	15555223	-1.5E+07	1648399
949.1999	756196.3	-43.9769	4.377915	15557440	-1.5E+07	1644415

949.3999	756207.9	-43.9694	4.367284	15559657	-1.5E+07	1640430
949.5999	756219.5	-43.9618	4.356653	15561873	-1.5E+07	1636445
949.7999	756231.1	-43.9542	4.346022	15564089	-1.5E+07	1632461
949.9999	756242.8	-43.9466	4.335391	15566303	-1.5E+07	1628476
950.1999	756254.4	-43.939	4.32476	15568517	-1.5E+07	1624490
950.3999	756266.1	-43.9314	4.314128	15570730	-1.5E+07	1620505
950.5999	756277.7	-43.9238	4.303497	15572942	-1.5E+07	1616520
950.7999	756289.4	-43.9162	4.292865	15575153	-1.5E+07	1612535
950.9999	756301	-43.9086	4.282233	15577363	-1.5E+07	1608549
951.1999	756312.7	-43.901	4.271602	15579573	-1.5E+07	1604564
951.3999	756324.4	-43.8934	4.26097	15581782	-1.5E+07	1600578
951.5999	756336.1	-43.8858	4.250338	15583990	-1.5E+07	1596593
951.7999	756347.8	-43.8783	4.239706	15586197	-1.5E+07	1592607
951.9999	756359.5	-43.8707	4.229074	15588404	-1.5E+07	1588621
952.1999	756371.2	-43.8631	4.218442	15590609	-1.5E+07	1584635
952.3999	756383	-43.8555	4.207809	15592814	-1.5E+07	1580649
952.5999	756394.7	-43.8479	4.197177	15595018	-1.5E+07	1576663
952.7999	756406.5	-43.8403	4.186545	15597221	-1.5E+07	1572677
952.9999	756418.2	-43.8327	4.175912	15599424	-1.5E+07	1568690
953.1999	756430	-43.8251	4.16528	15601625	-1.5E+07	1564704
953.3999	756441.8	-43.8175	4.154647	15603826	-1.5E+07	1560718
953.5999	756453.6	-43.81	4.144014	15606026	-1.5E+07	1556731
953.7999	756465.3	-43.8024	4.133381	15608225	-1.5E+07	1552744
953.9999	756477.1	-43.7948	4.122749	15610424	-1.5E+07	1548758
954.1999	756489	-43.7872	4.112116	15612621	-1.5E+07	1544771
954.3999	756500.8	-43.7796	4.101483	15614818	-1.5E+07	1540784
954.5999	756512.6	-43.772	4.090849	15617014	-1.5E+07	1536797
954.7999	756524.4	-43.7644	4.080216	15619209	-1.5E+07	1532810
954.9999	756536.3	-43.7568	4.069583	15621403	-1.5E+07	1528823
955.1999	756548.1	-43.7493	4.05895	15623597	-1.5E+07	1524835
955.3999	756560	-43.7417	4.048316	15625790	-1.5E+07	1520848
955.5999	756571.8	-43.7341	4.037683	15627982	-1.5E+07	1516861
955.7999	756583.7	-43.7265	4.027049	15630173	-1.5E+07	1512873
955.9999	756595.6	-43.7189	4.016415	15632363	-1.5E+07	1508886
956.1999	756607.5	-43.7113	4.005782	15634553	-1.5E+07	1504898
956.3999	756619.4	-43.7037	3.995148	15636741	-1.5E+07	1500910
956.5999	756631.3	-43.6962	3.984514	15638929	-1.5E+07	1496922
956.7999	756643.2	-43.6886	3.97388	15641116	-1.5E+07	1492935
956.9999	756655.2	-43.681	3.963246	15643302	-1.5E+07	1488947
957.1999	756667.1	-43.6734	3.952612	15645488	-1.5E+07	1484959
957.3999	756679	-43.6658	3.941978	15647673	-1.5E+07	1480970
957.5999	756691	-43.6582	3.931343	15649856	-1.5E+07	1476982
957.7999	756703	-43.6507	3.920709	15652040	-1.5E+07	1472994
957.9999	756714.9	-43.6431	3.910075	15654222	-1.5E+07	1469005
958.1999	756726.9	-43.6355	3.89944	15656403	-1.5E+07	1465017
958.3999	756738.9	-43.6279	3.888806	15658584	-1.5E+07	1461028
958.5999	756750.9	-43.6203	3.878171	15660764	-1.5E+07	1457040

958.7999	756762.9	-43.6127	3.867536	15662943	-1.5E+07	1453051
958.9999	756774.9	-43.6052	3.856901	15665121	-1.5E+07	1449062
959.1999	756786.9	-43.5976	3.846266	15667298	-1.5E+07	1445073
959.3999	756799	-43.59	3.835632	15669475	-1.5E+07	1441084
959.5999	756811	-43.5824	3.824997	15671651	-1.5E+07	1437095
959.7999	756823	-43.5748	3.814361	15673825	-1.5E+07	1433106
959.9999	756835.1	-43.5673	3.803726	15676000	-1.5E+07	1429117
960.1999	756847.2	-43.5597	3.793091	15678173	-1.5E+07	1425128
960.3999	756859.2	-43.5521	3.782456	15680345	-1.5E+07	1421138
960.5999	756871.3	-43.5445	3.77182	15682517	-1.5E+07	1417149
960.7999	756883.4	-43.5369	3.761185	15684688	-1.5E+07	1413159
960.9999	756895.5	-43.5294	3.75055	15686858	-1.5E+07	1409170
961.1999	756907.6	-43.5218	3.739914	15689028	-1.5E+07	1405180
961.3999	756919.7	-43.5142	3.729278	15691196	-1.5E+07	1401190
961.5999	756931.9	-43.5066	3.718643	15693364	-1.5E+07	1397201
961.7999	756944	-43.499	3.708007	15695531	-1.5E+07	1393211
961.9999	756956.1	-43.4915	3.697371	15697697	-1.5E+07	1389221
962.1999	756968.3	-43.4839	3.686735	15699862	-1.5E+07	1385231
962.3999	756980.4	-43.4763	3.676099	15702026	-1.5E+07	1381240
962.5999	756992.6	-43.4687	3.665463	15704190	-1.5E+07	1377250
962.7999	757004.8	-43.4612	3.654827	15706353	-1.5E+07	1373260
962.9999	757017	-43.4536	3.644191	15708515	-1.5E+07	1369270
963.1999	757029.2	-43.446	3.633554	15710676	-1.5E+07	1365279
963.3999	757041.4	-43.4384	3.622918	15712836	-1.5E+07	1361289
963.5999	757053.6	-43.4308	3.612282	15714996	-1.5E+07	1357298
963.7999	757065.8	-43.4233	3.601645	15717155	-1.5E+07	1353307
963.9999	757078	-43.4157	3.591009	15719313	-1.5E+07	1349317
964.1999	757090.2	-43.4081	3.580372	15721470	-1.5E+07	1345326
964.3999	757102.5	-43.4005	3.569735	15723626	-1.5E+07	1341335
964.5999	757114.7	-43.393	3.559099	15725782	-1.5E+07	1337344
964.7999	757127	-43.3854	3.548462	15727936	-1.5E+07	1333353
964.9999	757139.3	-43.3778	3.537825	15730090	-1.5E+07	1329362
965.1999	757151.5	-43.3702	3.527188	15732243	-1.5E+07	1325371
965.3999	757163.8	-43.3627	3.516551	15734396	-1.5E+07	1321379
965.5999	757176.1	-43.3551	3.505914	15736547	-1.5E+07	1317388
965.7999	757188.5	-43.3475	3.495277	15738698	-1.5E+07	1313397
965.9999	757200.8	-43.3399	3.48464	15740848	-1.5E+07	1309405
966.1999	757213.1	-43.3324	3.474002	15742997	-1.5E+07	1305414
966.3999	757225.4	-43.3248	3.463365	15745145	-1.5E+07	1301422
966.5999	757237.8	-43.3172	3.452728	15747292	-1.5E+07	1297430
966.7999	757250.1	-43.3096	3.44209	15749439	-1.5E+07	1293439
966.9999	757262.5	-43.3021	3.431453	15751585	-1.5E+07	1289447
967.1999	757274.9	-43.2945	3.420815	15753729	-1.5E+07	1285455
967.3999	757287.2	-43.2869	3.410178	15755874	-1.5E+07	1281463
967.5999	757299.6	-43.2794	3.39954	15758017	-1.5E+07	1277471
967.7999	757312	-43.2718	3.388902	15760159	-1.5E+07	1273479
967.9999	757324.4	-43.2642	3.378265	15762301	-1.5E+07	1269487

968.1999	757336.8	-43.2566	3.367627	15764442	-1.5E+07	1265494
968.3999	757349.3	-43.2491	3.356989	15766582	-1.5E+07	1261502
968.5999	757361.7	-43.2415	3.346351	15768721	-1.5E+07	1257510
968.7999	757374.1	-43.2339	3.335713	15770860	-1.5E+07	1253517
968.9999	757386.6	-43.2263	3.325075	15772997	-1.5E+07	1249525
969.1999	757399	-43.2188	3.314437	15775134	-1.5E+07	1245532
969.3999	757411.5	-43.2112	3.303799	15777270	-1.5E+07	1241540
969.5999	757423.9	-43.2036	3.29316	15779405	-1.5E+07	1237547
969.7999	757436.4	-43.1961	3.282522	15781540	-1.5E+07	1233554
969.9999	757448.9	-43.1885	3.271884	15783673	-1.5E+07	1229561
970.1999	757461.4	-43.1809	3.261246	15785806	-1.5E+07	1225568
970.3999	757473.9	-43.1734	3.250607	15787938	-1.5E+07	1221575
970.5999	757486.4	-43.1658	3.239969	15790069	-1.5E+07	1217582
970.7999	757498.9	-43.1582	3.22933	15792199	-1.5E+07	1213589
970.9999	757511.4	-43.1506	3.218691	15794328	-1.5E+07	1209596
971.1999	757524	-43.1431	3.208053	15796457	-1.5E+07	1205603
971.3999	757536.5	-43.1355	3.197414	15798585	-1.5E+07	1201609
971.5999	757549	-43.1279	3.186775	15800712	-1.5E+07	1197616
971.7999	757561.6	-43.1204	3.176136	15802838	-1.5E+07	1193623
971.9999	757574.2	-43.1128	3.165498	15804964	-1.5E+07	1189629
972.1999	757586.7	-43.1052	3.154859	15807088	-1.5E+07	1185636
972.3999	757599.3	-43.0977	3.14422	15809212	-1.5E+07	1181642
972.5999	757611.9	-43.0901	3.133581	15811335	-1.5E+07	1177648
972.7999	757624.5	-43.0825	3.122941	15813457	-1.5E+07	1173654
972.9999	757637.1	-43.075	3.112302	15815578	-1.5E+07	1169661
973.1999	757649.7	-43.0674	3.101663	15817699	-1.5E+07	1165667
973.3999	757662.4	-43.0598	3.091024	15819818	-1.5E+07	1161673
973.5999	757675	-43.0523	3.080384	15821937	-1.5E+07	1157679
973.7999	757687.6	-43.0447	3.069745	15824055	-1.5E+07	1153685
973.9999	757700.3	-43.0371	3.059106	15826172	-1.5E+07	1149691
974.1999	757712.9	-43.0296	3.048466	15828289	-1.5E+07	1145696
974.3999	757725.6	-43.022	3.037827	15830404	-1.5E+07	1141702
974.5999	757738.3	-43.0144	3.027187	15832519	-1.5E+07	1137708
974.7999	757751	-43.0069	3.016547	15834633	-1.5E+07	1133713
974.9999	757763.7	-42.9993	3.005908	15836746	-1.5E+07	1129719
975.1999	757776.4	-42.9917	2.995268	15838859	-1.5E+07	1125724
975.3999	757789.1	-42.9842	2.984628	15840970	-1.5E+07	1121730
975.5999	757801.8	-42.9766	2.973988	15843081	-1.5E+07	1117735
975.7999	757814.5	-42.969	2.963348	15845191	-1.5E+07	1113740
975.9999	757827.2	-42.9615	2.952708	15847300	-1.5E+07	1109746
976.1999	757840	-42.9539	2.942068	15849408	-1.5E+07	1105751
976.3999	757852.7	-42.9463	2.931428	15851515	-1.5E+07	1101756
976.5999	757865.5	-42.9388	2.920788	15853622	-1.5E+07	1097761
976.7999	757878.2	-42.9312	2.910148	15855728	-1.5E+07	1093766
976.9999	757891	-42.9236	2.899508	15857833	-1.5E+07	1089771
977.1999	757903.8	-42.9161	2.888867	15859937	-1.5E+07	1085776
977.3999	757916.6	-42.9085	2.878227	15862040	-1.5E+07	1081780

977.5999	757929.4	-42.901	2.867587	15864143	-1.5E+07	1077785
977.7999	757942.2	-42.8934	2.856946	15866245	-1.5E+07	1073790
977.9999	757955	-42.8858	2.846306	15868346	-1.5E+07	1069794
978.1999	757967.8	-42.8783	2.835665	15870446	-1.5E+07	1065799
978.3999	757980.7	-42.8707	2.825025	15872545	-1.5E+07	1061804
978.5999	757993.5	-42.8631	2.814384	15874643	-1.5E+07	1057808
978.7999	758006.4	-42.8556	2.803743	15876741	-1.5E+07	1053812
978.9999	758019.2	-42.848	2.793103	15878838	-1.5E+07	1049817
979.1999	758032.1	-42.8404	2.782462	15880934	-1.5E+07	1045821
979.3999	758044.9	-42.8329	2.771821	15883029	-1.5E+07	1041825
979.5999	758057.8	-42.8253	2.76118	15885123	-1.5E+07	1037829
979.7999	758070.7	-42.8178	2.750539	15887217	-1.5E+07	1033833
979.9999	758083.6	-42.8102	2.739898	15889309	-1.5E+07	1029837
980.1999	758096.5	-42.8026	2.729257	15891401	-1.5E+07	1025841
980.3999	758109.4	-42.7951	2.718616	15893492	-1.5E+07	1021845
980.5999	758122.4	-42.7875	2.707975	15895583	-1.5E+07	1017849
980.7999	758135.3	-42.78	2.697334	15897672	-1.5E+07	1013853
980.9999	758148.2	-42.7724	2.686693	15899761	-1.5E+07	1009857
981.1999	758161.2	-42.7648	2.676051	15901849	-1.5E+07	1005860
981.3999	758174.1	-42.7573	2.66541	15903936	-1.5E+07	1001864
981.5999	758187.1	-42.7497	2.654769	15906022	-1.5E+07	997867.7
981.7999	758200.1	-42.7422	2.644127	15908107	-1.5E+07	993871.2
981.9999	758213.1	-42.7346	2.633486	15910192	-1.5E+07	989874.7
982.1999	758226	-42.727	2.622845	15912275	-1.5E+07	985878.1
982.3999	758239	-42.7195	2.612203	15914358	-1.5E+07	981881.5
982.5999	758252	-42.7119	2.601561	15916440	-1.5E+07	977884.8
982.7999	758265.1	-42.7044	2.59092	15918521	-1.5E+07	973888.1
982.9999	758278.1	-42.6968	2.580278	15920602	-1.5E+07	969891.3
983.1999	758291.1	-42.6892	2.569637	15922681	-1.5E+07	965894.4
983.3999	758304.2	-42.6817	2.558995	15924760	-1.5E+07	961897.5
983.5999	758317.2	-42.6741	2.548353	15926838	-1.5E+07	957900.6
983.7999	758330.3	-42.6666	2.537711	15928915	-1.5E+07	953903.6
983.9999	758343.3	-42.659	2.527069	15930992	-1.5E+07	949906.5
984.1999	758356.4	-42.6514	2.516427	15933067	-1.5E+07	945909.4
984.3999	758369.5	-42.6439	2.505785	15935142	-1.5E+07	941912.2
984.5999	758382.6	-42.6363	2.495144	15937216	-1.5E+07	937915
984.7999	758395.7	-42.6288	2.484501	15939289	-1.5E+07	933917.8
984.9999	758408.8	-42.6212	2.473859	15941361	-1.5E+07	929920.4
985.1999	758421.9	-42.6137	2.463217	15943432	-1.5E+07	925923.1
985.3999	758435	-42.6061	2.452575	15945503	-1.5E+07	921925.7
985.5999	758448.2	-42.5985	2.441933	15947573	-1.5E+07	917928.2
985.7999	758461.3	-42.591	2.431291	15949642	-1.5E+07	913930.7
985.9999	758474.4	-42.5834	2.420648	15951710	-1.5E+07	909933.1
986.1999	758487.6	-42.5759	2.410006	15953777	-1.5E+07	905935.5
986.3999	758500.8	-42.5683	2.399364	15955844	-1.5E+07	901937.8
986.5999	758513.9	-42.5607	2.388721	15957909	-1.5E+07	897940.1
986.7999	758527.1	-42.5532	2.378079	15959974	-1.5E+07	893942.3

986.9999	758540.3	-42.5456	2.367437	15962038	-1.5E+07	889944.5
987.1999	758553.5	-42.5381	2.356794	15964101	-1.5E+07	885946.6
987.3999	758566.7	-42.5305	2.346152	15966164	-1.5E+07	881948.7
987.5999	758579.9	-42.523	2.335509	15968225	-1.5E+07	877950.7
987.7999	758593.2	-42.5154	2.324866	15970286	-1.5E+07	873952.7
987.9999	758606.4	-42.5079	2.314224	15972346	-1.5E+07	869954.7
988.1999	758619.6	-42.5003	2.303581	15974405	-1.5E+07	865956.5
988.3999	758632.9	-42.4927	2.292938	15976463	-1.5E+07	861958.4
988.5999	758646.1	-42.4852	2.282295	15978521	-1.5E+07	857960.2
988.7999	758659.4	-42.4776	2.271653	15980577	-1.5E+07	853961.9
988.9999	758672.7	-42.4701	2.26101	15982633	-1.5E+07	849963.6
989.1999	758686	-42.4625	2.250367	15984688	-1.5E+07	845965.3
989.3999	758699.3	-42.455	2.239724	15986742	-1.5E+07	841966.9
989.5999	758712.6	-42.4474	2.229081	15988796	-1.5E+07	837968.4
989.7999	758725.9	-42.4399	2.218438	15990848	-1.5E+07	833970
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990.1999	758752.5	-42.4248	2.197152	15994951	-1.5E+07	825972.8
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990.5999	758779.2	-42.4096	2.175866	15999050	-1.5E+07	817975.5
990.7999	758792.5	-42.4021	2.165223	16001098	-1.5E+07	813976.8
990.9999	758805.9	-42.3945	2.154579	16003146	-1.5E+07	809978.1
991.1999	758819.3	-42.387	2.143936	16005193	-1.5E+07	805979.3
991.3999	758832.6	-42.3794	2.133293	16007239	-1.5E+07	801980.4
991.5999	758846	-42.3719	2.12265	16009284	-1.5E+07	797981.5
991.7999	758859.4	-42.3643	2.112006	16011328	-1.5E+07	793982.6
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992.5999	758913.1	-42.3341	2.069433	16019497	-1.5E+07	777986.4
992.7999	758926.5	-42.3266	2.058789	16021537	-1.5E+07	773987.2
992.9999	758939.9	-42.319	2.048146	16023576	-1.5E+07	769988
993.1999	758953.4	-42.3115	2.037502	16025615	-1.5E+07	765988.8
993.3999	758966.8	-42.3039	2.026859	16027652	-1.5E+07	761989.5
993.5999	758980.3	-42.2963	2.016215	16029689	-1.5E+07	757990.2
993.7999	758993.8	-42.2888	2.005571	16031725	-1.5E+07	753990.8
993.9999	759007.3	-42.2812	1.994928	16033761	-1.5E+07	749991.4
994.1999	759020.8	-42.2737	1.984284	16035795	-1.5E+07	745992
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994.5999	759047.8	-42.2586	1.962997	16039861	-1.5E+07	737992.9
994.7999	759061.3	-42.251	1.952353	16041893	-1.5E+07	733993.4
994.9999	759074.8	-42.2435	1.941709	16043924	-1.5E+07	729993.8
995.1999	759088.3	-42.2359	1.931065	16045954	-1.5E+07	725994.1
995.3999	759101.9	-42.2284	1.920421	16047984	-1.5E+07	721994.4
995.5999	759115.4	-42.2208	1.909777	16050012	-1.5E+07	717994.7
995.7999	759129	-42.2133	1.899133	16052040	-1.5E+07	713994.9
995.9999	759142.6	-42.2057	1.888489	16054067	-1.5E+07	709995.1
996.1999	759156.1	-42.1982	1.877845	16056093	-1.5E+07	705995.2

996.3999	759169.7	-42.1906	1.867201	16058119	-1.5E+07	701995.3
996.5999	759183.3	-42.1831	1.856557	16060143	-1.5E+07	697995.4
996.7999	759196.9	-42.1755	1.845913	16062167	-1.5E+07	693995.5
996.9999	759210.5	-42.168	1.835269	16064190	-1.5E+07	689995.4
997.1999	759224.2	-42.1604	1.824625	16066212	-1.5E+07	685995.4
997.3999	759237.8	-42.1529	1.813981	16068233	-1.5E+07	681995.3
997.5999	759251.4	-42.1453	1.803337	16070253	-1.5E+07	677995.2
997.7999	759265.1	-42.1378	1.792693	16072273	-1.5E+07	673995
997.9999	759278.7	-42.1302	1.782048	16074291	-1.5E+07	669994.8
998.1999	759292.4	-42.1227	1.771404	16076309	-1.5E+07	665994.6
998.3999	759306	-42.1151	1.76076	16078326	-1.5E+07	661994.3
998.5999	759319.7	-42.1076	1.750116	16080343	-1.5E+07	657994
998.7999	759333.4	-42.1	1.739471	16082358	-1.5E+07	653993.7
998.9999	759347.1	-42.0925	1.728827	16084373	-1.5E+07	649993.3
999.1999	759360.8	-42.0849	1.718182	16086386	-1.5E+07	645992.9
999.3999	759374.5	-42.0774	1.707538	16088399	-1.5E+07	641992.5
999.5999	759388.2	-42.0698	1.696894	16090411	-1.5E+07	637992
999.7999	759402	-42.0623	1.686249	16092423	-1.5E+07	633991.5
999.9999	759415.7	-42.0547	1.675605	16094433	-1.5E+07	629990.9
1000.2	759429.4	-42.0472	1.66496	16096443	-1.5E+07	625990.3
1000.4	759443.2	-42.0396	1.654316	16098451	-1.5E+07	621989.7
1000.6	759457	-42.0321	1.643671	16100459	-1.5E+07	617989
1000.8	759470.7	-42.0245	1.633027	16102466	-1.5E+07	613988.4
1001	759484.5	-42.017	1.622382	16104473	-1.5E+07	609987.6
1001.2	759498.3	-42.0094	1.611737	16106478	-1.5E+07	605986.9
1001.4	759512.1	-42.0019	1.601093	16108483	-1.5E+07	601986.1
1001.6	759525.9	-41.9943	1.590448	16110487	-1.5E+07	597985.2
1001.8	759539.7	-41.9868	1.579804	16112490	-1.5E+07	593984.4
1002	759553.5	-41.9793	1.569159	16114492	-1.4E+07	589983.5
1002.2	759567.4	-41.9717	1.558514	16116493	-1.4E+07	585982.6
1002.4	759581.2	-41.9642	1.547869	16118494	-1.4E+07	581981.6
1002.6	759595	-41.9566	1.537225	16120493	-1.4E+07	577980.6
1002.8	759608.9	-41.9491	1.52658	16122492	-1.4E+07	573979.6
1003	759622.7	-41.9415	1.515935	16124490	-1.4E+07	569978.6
1003.2	759636.6	-41.934	1.50529	16126487	-1.4E+07	565977.5
1003.4	759650.5	-41.9264	1.494646	16128484	-1.4E+07	561976.4
1003.6	759664.4	-41.9189	1.484001	16130479	-1.4E+07	557975.2
1003.8	759678.3	-41.9113	1.473356	16132474	-1.4E+07	553974
1004	759692.2	-41.9038	1.462711	16134468	-1.4E+07	549972.8
1004.2	759706.1	-41.8962	1.452066	16136461	-1.4E+07	545971.6
1004.4	759720	-41.8887	1.441421	16138453	-1.4E+07	541970.3
1004.6	759733.9	-41.8811	1.430776	16140444	-1.4E+07	537969
1004.8	759747.9	-41.8736	1.420131	16142435	-1.4E+07	533967.7
1005	759761.8	-41.866	1.409486	16144425	-1.4E+07	529966.3
1005.2	759775.8	-41.8585	1.398841	16146414	-1.4E+07	525965
1005.4	759789.7	-41.851	1.388196	16148402	-1.4E+07	521963.5
1005.6	759803.7	-41.8434	1.377551	16150389	-1.4E+07	517962.1

1005.8	759817.7	-41.8359	1.366906	16152375	-1.4E+07	513960.6
1006	759831.7	-41.8283	1.356261	16154361	-1.4E+07	509959.1
1006.2	759845.7	-41.8208	1.345616	16156346	-1.4E+07	505957.6
1006.4	759859.7	-41.8132	1.334971	16158330	-1.4E+07	501956
1006.6	759873.7	-41.8057	1.324326	16160313	-1.4E+07	497954.5
1006.8	759887.7	-41.7981	1.313681	16162295	-1.4E+07	493952.8
1007	759901.7	-41.7906	1.303036	16164276	-1.4E+07	489951.2
1007.2	759915.8	-41.783	1.292391	16166257	-1.4E+07	485949.5
1007.4	759929.8	-41.7755	1.281746	16168237	-1.4E+07	481947.9
1007.6	759943.9	-41.7679	1.2711	16170216	-1.4E+07	477946.1
1007.8	759957.9	-41.7604	1.260455	16172194	-1.4E+07	473944.4
1008	759972	-41.7529	1.24981	16174171	-1.4E+07	469942.6
1008.2	759986.1	-41.7453	1.239165	16176147	-1.4E+07	465940.8
1008.4	760000.2	-41.7378	1.22852	16178123	-1.4E+07	461939
1008.6	760014.3	-41.7302	1.217874	16180098	-1.4E+07	457937.1
1008.8	760028.4	-41.7227	1.207229	16182072	-1.4E+07	453935.3
1009	760042.5	-41.7151	1.196584	16184045	-1.4E+07	449933.4
1009.2	760056.6	-41.7076	1.185939	16186017	-1.4E+07	445931.5
1009.4	760070.7	-41.7	1.175293	16187989	-1.4E+07	441929.5
1009.6	760084.9	-41.6925	1.164648	16189959	-1.4E+07	437927.5
1009.8	760099	-41.685	1.154003	16191929	-1.4E+07	433925.5
1010	760113.2	-41.6774	1.143357	16193898	-1.4E+07	429923.5
1010.2	760127.3	-41.6699	1.132712	16195866	-1.4E+07	425921.5
1010.4	760141.5	-41.6623	1.122067	16197833	-1.4E+07	421919.4
1010.6	760155.7	-41.6548	1.111421	16199800	-1.4E+07	417917.3
1010.8	760169.9	-41.6472	1.100776	16201766	-1.4E+07	413915.2
1011	760184.1	-41.6397	1.090131	16203730	-1.4E+07	409913.1
1011.2	760198.3	-41.6321	1.079485	16205694	-1.4E+07	405910.9
1011.4	760212.5	-41.6246	1.06884	16207658	-1.4E+07	401908.7
1011.6	760226.7	-41.6171	1.058195	16209620	-1.4E+07	397906.5
1011.8	760240.9	-41.6095	1.047549	16211581	-1.4E+07	393904.3
1012	760255.2	-41.602	1.036904	16213542	-1.4E+07	389902
1012.2	760269.4	-41.5944	1.026258	16215502	-1.4E+07	385899.8
1012.4	760283.7	-41.5869	1.015613	16217461	-1.4E+07	381897.5
1012.6	760297.9	-41.5793	1.004967	16219419	-1.4E+07	377895.2
1012.8	760312.2	-41.5718	0.994322	16221376	-1.4E+07	373892.8
1013	760326.5	-41.5643	0.983677	16223333	-1.4E+07	369890.5
1013.2	760340.8	-41.5567	0.973031	16225288	-1.4E+07	365888.1
1013.4	760355.1	-41.5492	0.962386	16227243	-1.4E+07	361885.7
1013.6	760369.4	-41.5416	0.95174	16229197	-1.4E+07	357883.3
1013.8	760383.7	-41.5341	0.941095	16231150	-1.4E+07	353880.9
1014	760398	-41.5265	0.930449	16233103	-1.4E+07	349878.4
1014.2	760412.3	-41.519	0.919804	16235054	-1.4E+07	345876
1014.4	760426.7	-41.5115	0.909158	16237005	-1.4E+07	341873.5
1014.6	760441	-41.5039	0.898513	16238955	-1.4E+07	337871
1014.8	760455.4	-41.4964	0.887867	16240904	-1.4E+07	333868.4
1015	760469.8	-41.4888	0.877222	16242852	-1.4E+07	329865.9

1015.2	760484.1	-41.4813	0.866576	16244799	-1.4E+07	325863.3
1015.4	760498.5	-41.4737	0.855931	16246746	-1.4E+07	321860.8
1015.6	760512.9	-41.4662	0.845285	16248691	-1.4E+07	317858.2
1015.8	760527.3	-41.4587	0.83464	16250636	-1.4E+07	313855.5
1016	760541.7	-41.4511	0.823994	16252580	-1.4E+07	309852.9
1016.2	760556.1	-41.4436	0.813349	16254523	-1.4E+07	305850.3
1016.4	760570.5	-41.436	0.802703	16256465	-1.4E+07	301847.6
1016.6	760585	-41.4285	0.792058	16258407	-1.4E+07	297844.9
1016.8	760599.4	-41.4209	0.781412	16260348	-1.4E+07	293842.2
1017	760613.8	-41.4134	0.770767	16262287	-1.4E+07	289839.5
1017.2	760628.3	-41.4059	0.760121	16264226	-1.4E+07	285836.8
1017.4	760642.8	-41.3983	0.749475	16266164	-1.4E+07	281834
1017.6	760657.2	-41.3908	0.73883	16268102	-1.4E+07	277831.3
1017.8	760671.7	-41.3832	0.728184	16270038	-1.4E+07	273828.5
1018	760686.2	-41.3757	0.717539	16271974	-1.4E+07	269825.7
1018.2	760700.7	-41.3681	0.706893	16273909	-1.4E+07	265822.9
1018.4	760715.2	-41.3606	0.696248	16275843	-1.4E+07	261820.1
1018.6	760729.7	-41.3531	0.685602	16277776	-1.4E+07	257817.2
1018.8	760744.2	-41.3455	0.674957	16279708	-1.4E+07	253814.4
1019	760758.8	-41.338	0.664311	16281640	-1.4E+07	249811.5
1019.2	760773.3	-41.3304	0.653666	16283570	-1.4E+07	245808.6
1019.4	760787.9	-41.3229	0.64302	16285500	-1.4E+07	241805.8
1019.6	760802.4	-41.3154	0.632374	16287429	-1.4E+07	237802.9
1019.8	760817	-41.3078	0.621729	16289357	-1.4E+07	233799.9
1020	760831.6	-41.3003	0.611083	16291284	-1.4E+07	229797
1020.2	760846.1	-41.2927	0.600438	16293211	-1.4E+07	225794.1
1020.4	760860.7	-41.2852	0.589792	16295136	-1.4E+07	221791.1
1020.6	760875.3	-41.2776	0.579147	16297061	-1.4E+07	217788.2
1020.8	760889.9	-41.2701	0.568501	16298985	-1.4E+07	213785.2
1021	760904.5	-41.2626	0.557856	16300908	-1.4E+07	209782.2
1021.2	760919.2	-41.255	0.54721	16302831	-1.4E+07	205779.2
1021.4	760933.8	-41.2475	0.536565	16304752	-1.4E+07	201776.2
1021.6	760948.4	-41.2399	0.525919	16306673	-1.4E+07	197773.2
1021.8	760963.1	-41.2324	0.515274	16308592	-1.4E+07	193770.1
1022	760977.7	-41.2249	0.504628	16310511	-1.4E+07	189767.1
1022.2	760992.4	-41.2173	0.493983	16312429	-1.4E+07	185764
1022.4	761007.1	-41.2098	0.483337	16314347	-1.4E+07	181761
1022.6	761021.8	-41.2022	0.472692	16316263	-1.4E+07	177757.9
1022.8	761036.4	-41.1947	0.462046	16318179	-1.4E+07	173754.8
1023	761051.1	-41.1872	0.451401	16320093	-1.4E+07	169751.7
1023.2	761065.9	-41.1796	0.440755	16322007	-1.4E+07	165748.6
1023.4	761080.6	-41.1721	0.43011	16323920	-1.4E+07	161745.5
1023.6	761095.3	-41.1645	0.419464	16325833	-1.4E+07	157742.4
1023.8	761110	-41.157	0.408819	16327744	-1.4E+07	153739.3
1024	761124.8	-41.1495	0.398173	16329655	-1.4E+07	149736.1
1024.2	761139.5	-41.1419	0.387528	16331564	-1.4E+07	145733
1024.4	761154.3	-41.1344	0.376882	16333473	-1.4E+07	141729.8

1024.6	761169	-41.1268	0.366237	16335381	-1.4E+07	137726.7
1024.8	761183.8	-41.1193	0.355592	16337288	-1.4E+07	133723.5
1025	761198.6	-41.1117	0.344946	16339195	-1.4E+07	129720.3
1025.2	761213.4	-41.1042	0.334301	16341100	-1.4E+07	125717.2
1025.4	761228.2	-41.0967	0.323655	16343005	-1.4E+07	121714
1025.6	761243	-41.0891	0.31301	16344909	-1.4E+07	117710.8
1025.8	761257.8	-41.0816	0.302365	16346812	-1.4E+07	113707.6
1026	761272.6	-41.074	0.291719	16348714	-1.4E+07	109704.4
1026.2	761287.4	-41.0665	0.281074	16350615	-1.4E+07	105701.2
1026.4	761302.3	-41.059	0.270428	16352516	-1.4E+07	101697.9
1026.6	761317.1	-41.0514	0.259783	16354416	-1.4E+07	97694.72
1026.8	761332	-41.0439	0.249138	16356314	-1.4E+07	93691.49
1027	761346.8	-41.0363	0.238492	16358212	-1.4E+07	89688.26
1027.2	761361.7	-41.0288	0.227847	16360109	-1.4E+07	85685.02
1027.4	761376.6	-41.0213	0.217202	16362006	-1.4E+07	81681.78
1027.6	761391.5	-41.0137	0.206556	16363901	-1.4E+07	77678.53
1027.8	761406.4	-41.0062	0.195911	16365796	-1.4E+07	73675.28
1028	761421.3	-40.9986	0.185266	16367690	-1.4E+07	69672.02
1028.2	761436.2	-40.9911	0.174621	16369583	-1.4E+07	65668.76
1028.4	761451.1	-40.9836	0.163975	16371475	-1.4E+07	61665.5
1028.6	761466	-40.976	0.15333	16373366	-1.4E+07	57662.24
1028.8	761481	-40.9685	0.142685	16375256	-1.4E+07	53658.97
1029	761495.9	-40.9609	0.13204	16377146	-1.4E+07	49655.7
1029.2	761510.9	-40.9534	0.121394	16379035	-1.4E+07	45652.42
1029.4	761525.9	-40.9459	0.110749	16380923	-1.4E+07	41649.15
1029.6	761540.8	-40.9383	0.100104	16382810	-1.4E+07	37645.87
1029.8	761555.8	-40.9308	0.089459	16384696	-1.4E+07	33642.59
1030	761570.8	-40.9232	0.078814	16386581	-1.4E+07	29639.31
1030.2	761585.8	-40.9157	0.068168	16388466	-1.4E+07	25636.02
1030.4	761600.8	-40.9082	0.057523	16390350	-1.4E+07	21632.74
1030.6	761615.8	-40.9006	0.046878	16392233	-1.4E+07	17629.45
1030.8	761630.8	-40.8931	0.036233	16394115	-1.4E+07	13626.17
1031	761645.9	-40.8855	0.025588	16395996	-1.4E+07	9622.878
1031.2	761660.9	-40.878	0.014943	16397876	-1.4E+07	5619.591
1031.4	761675.9	-40.8705	0.004298	16399756	-1.4E+07	1616.303
1031.6	761691	-40.8629	-0.00635	16401634	-1.4E+07	-2386.98
1031.8	761706.1	-40.8554	-0.01699	16403512	-1.4E+07	-6390.27
1032	761721.1	-40.8478	-0.02764	16405389	-1.4E+07	-10393.6
1032.2	761736.2	-40.8403	-0.03828	16407265	-1.4E+07	-14396.8
1032.4	761751.3	-40.8328	-0.04893	16409141	-1.4E+07	-18400.1
1032.6	761766.4	-40.8252	-0.05957	16411015	-1.4E+07	-22403.4
1032.8	761781.5	-40.8177	-0.07022	16412889	-1.4E+07	-26406.7
1033	761796.6	-40.8101	-0.08086	16414762	-1.4E+07	-30410
1033.2	761811.7	-40.8026	-0.09151	16416634	-1.4E+07	-34413.3
1033.4	761826.9	-40.7951	-0.10215	16418505	-1.4E+07	-38416.5
1033.6	761842	-40.7875	-0.1128	16420375	-1.4E+07	-42419.8
1033.8	761857.1	-40.78	-0.12344	16422244	-1.4E+07	-46423.1

1034	761872.3	-40.7724	-0.13409	16424113	-1.4E+07	-50426.3
1034.2	761887.5	-40.7649	-0.14473	16425981	-1.4E+07	-54429.6
1034.4	761902.6	-40.7574	-0.15538	16427848	-1.4E+07	-58432.9
1034.6	761917.8	-40.7498	-0.16602	16429714	-1.4E+07	-62436.1
1034.8	761933	-40.7423	-0.17667	16431579	-1.4E+07	-66439.4
1035	761948.2	-40.7347	-0.18731	16433443	-1.4E+07	-70442.6
1035.2	761963.4	-40.7272	-0.19796	16435307	-1.4E+07	-74445.9
1035.4	761978.6	-40.7197	-0.2086	16437170	-1.4E+07	-78449.1
1035.6	761993.8	-40.7121	-0.21924	16439031	-1.4E+07	-82452.4
1035.8	762009	-40.7046	-0.22989	16440892	-1.4E+07	-86455.6
1036	762024.3	-40.697	-0.24053	16442753	-1.4E+07	-90458.8
1036.2	762039.5	-40.6895	-0.25118	16444612	-1.4E+07	-94462.1
1036.4	762054.8	-40.682	-0.26182	16446470	-1.4E+07	-98465.3
1036.6	762070	-40.6744	-0.27247	16448328	-1.4E+07	-102469
1036.8	762085.3	-40.6669	-0.28311	16450185	-1.4E+07	-106472
1037	762100.6	-40.6593	-0.29376	16452041	-1.4E+07	-110475
1037.2	762115.9	-40.6518	-0.3044	16453896	-1.4E+07	-114478
1037.4	762131.2	-40.6443	-0.31505	16455750	-1.4E+07	-118481
1037.6	762146.5	-40.6367	-0.32569	16457604	-1.4E+07	-122484
1037.8	762161.8	-40.6292	-0.33633	16459456	-1.4E+07	-126488
1038	762177.1	-40.6216	-0.34698	16461308	-1.4E+07	-130491
1038.2	762192.4	-40.6141	-0.35762	16463159	-1.4E+07	-134494
1038.4	762207.8	-40.6066	-0.36827	16465009	-1.4E+07	-138497
1038.6	762223.1	-40.599	-0.37891	16466858	-1.4E+07	-142500
1038.8	762238.5	-40.5915	-0.38956	16468707	-1.4E+07	-146503
1039	762253.8	-40.584	-0.4002	16470554	-1.4E+07	-150507
1039.2	762269.2	-40.5764	-0.41085	16472401	-1.4E+07	-154510
1039.4	762284.6	-40.5689	-0.42149	16474247	-1.4E+07	-158513
1039.6	762299.9	-40.5613	-0.43213	16476092	-1.4E+07	-162516
1039.8	762315.3	-40.5538	-0.44278	16477936	-1.4E+07	-166519
1040	762330.7	-40.5463	-0.45342	16479779	-1.4E+07	-170522
1040.2	762346.1	-40.5387	-0.46407	16481622	-1.4E+07	-174525
1040.4	762361.6	-40.5312	-0.47471	16483463	-1.4E+07	-178528
1040.6	762377	-40.5236	-0.48535	16485304	-1.4E+07	-182531
1040.8	762392.4	-40.5161	-0.496	16487144	-1.4E+07	-186534
1041	762407.9	-40.5086	-0.50664	16488983	-1.4E+07	-190537
1041.2	762423.3	-40.501	-0.51729	16490821	-1.4E+07	-194540
1041.4	762438.8	-40.4935	-0.52793	16492659	-1.4E+07	-198543
1041.6	762454.2	-40.4859	-0.53857	16494495	-1.4E+07	-202546
1041.8	762469.7	-40.4784	-0.54922	16496331	-1.4E+07	-206549
1042	762485.2	-40.4709	-0.55986	16498166	-1.4E+07	-210552
1042.2	762500.7	-40.4633	-0.57051	16500000	-1.4E+07	-214555
1042.4	762516.2	-40.4558	-0.58115	16501833	-1.4E+07	-218558
1042.6	762531.7	-40.4482	-0.59179	16503665	-1.4E+07	-222561
1042.8	762547.2	-40.4407	-0.60244	16505497	-1.4E+07	-226564
1043	762562.7	-40.4332	-0.61308	16507327	-1.4E+07	-230567
1043.2	762578.3	-40.4256	-0.62373	16509157	-1.4E+07	-234570

1043.4	762593.8	-40.4181	-0.63437	16510986	-1.4E+07	-238573
1043.6	762609.4	-40.4105	-0.64501	16512814	-1.4E+07	-242576
1043.8	762624.9	-40.403	-0.65566	16514642	-1.4E+07	-246579
1044	762640.5	-40.3954	-0.6663	16516468	-1.4E+07	-250581
1044.2	762656.1	-40.3879	-0.67694	16518294	-1.4E+07	-254584
1044.4	762671.6	-40.3804	-0.68759	16520118	-1.4E+07	-258587
1044.6	762687.2	-40.3728	-0.69823	16521942	-1.4E+07	-262590
1044.8	762702.8	-40.3653	-0.70887	16523765	-1.4E+07	-266593
1045	762718.4	-40.3577	-0.71952	16525587	-1.4E+07	-270595
1045.2	762734.1	-40.3502	-0.73016	16527409	-1.4E+07	-274598
1045.4	762749.7	-40.3427	-0.7408	16529229	-1.4E+07	-278601
1045.6	762765.3	-40.3351	-0.75145	16531049	-1.4E+07	-282604
1045.8	762781	-40.3276	-0.76209	16532868	-1.4E+07	-286606
1046	762796.6	-40.32	-0.77274	16534686	-1.4E+07	-290609
1046.2	762812.3	-40.3125	-0.78338	16536503	-1.4E+07	-294612
1046.4	762827.9	-40.305	-0.79402	16538319	-1.4E+07	-298614
1046.6	762843.6	-40.2974	-0.80466	16540134	-1.4E+07	-302617
1046.8	762859.3	-40.2899	-0.81531	16541949	-1.4E+07	-306620
1047	762875	-40.2823	-0.82595	16543763	-1.4E+07	-310622
1047.2	762890.7	-40.2748	-0.83659	16545576	-1.4E+07	-314625
1047.4	762906.4	-40.2673	-0.84724	16547388	-1.4E+07	-318628
1047.6	762922.1	-40.2597	-0.85788	16549199	-1.4E+07	-322630
1047.8	762937.8	-40.2522	-0.86852	16551009	-1.4E+07	-326633
1048	762953.5	-40.2446	-0.87917	16552819	-1.4E+07	-330635
1048.2	762969.3	-40.2371	-0.88981	16554627	-1.4E+07	-334638
1048.4	762985	-40.2296	-0.90045	16556435	-1.4E+07	-338640
1048.6	763000.8	-40.222	-0.9111	16558242	-1.4E+07	-342643
1048.8	763016.5	-40.2145	-0.92174	16560048	-1.4E+07	-346645
1049	763032.3	-40.2069	-0.93238	16561853	-1.4E+07	-350648
1049.2	763048.1	-40.1994	-0.94302	16563658	-1.4E+07	-354650
1049.4	763063.9	-40.1919	-0.95367	16565461	-1.4E+07	-358652
1049.6	763079.7	-40.1843	-0.96431	16567264	-1.4E+07	-362655
1049.8	763095.5	-40.1768	-0.97495	16569066	-1.4E+07	-366657
1050	763111.3	-40.1692	-0.98559	16570867	-1.4E+07	-370659
1050.2	763127.1	-40.1617	-0.99624	16572667	-1.4E+07	-374662
1050.4	763142.9	-40.1541	-1.00688	16574467	-1.4E+07	-378664
1050.6	763158.8	-40.1466	-1.01752	16576265	-1.4E+07	-382666
1050.8	763174.6	-40.1391	-1.02816	16578063	-1.4E+07	-386669
1051	763190.5	-40.1315	-1.03881	16579859	-1.4E+07	-390671
1051.2	763206.3	-40.124	-1.04945	16581655	-1.4E+07	-394673
1051.4	763222.2	-40.1164	-1.06009	16583451	-1.4E+07	-398675
1051.6	763238.1	-40.1089	-1.07073	16585245	-1.4E+07	-402677
1051.8	763254	-40.1014	-1.08138	16587038	-1.4E+07	-406679
1052	763269.8	-40.0938	-1.09202	16588831	-1.4E+07	-410682
1052.2	763285.7	-40.0863	-1.10266	16590622	-1.4E+07	-414684
1052.4	763301.7	-40.0787	-1.1133	16592413	-1.4E+07	-418686
1052.6	763317.6	-40.0712	-1.12394	16594203	-1.4E+07	-422688

1052.8	763333.5	-40.0636	-1.13459	16595992	-1.4E+07	-426690
1053	763349.4	-40.0561	-1.14523	16597781	-1.4E+07	-430692
1053.2	763365.4	-40.0486	-1.15587	16599568	-1.4E+07	-434694
1053.4	763381.3	-40.041	-1.16651	16601355	-1.4E+07	-438696
1053.6	763397.3	-40.0335	-1.17715	16603140	-1.4E+07	-442698
1053.8	763413.3	-40.0259	-1.1878	16604925	-1.4E+07	-446700
1054	763429.2	-40.0184	-1.19844	16606709	-1.4E+07	-450701
1054.2	763445.2	-40.0109	-1.20908	16608493	-1.4E+07	-454703
1054.4	763461.2	-40.0033	-1.21972	16610275	-1.4E+07	-458705
1054.6	763477.2	-39.9958	-1.23036	16612057	-1.4E+07	-462707
1054.8	763493.2	-39.9882	-1.24101	16613837	-1.4E+07	-466709
1055	763509.2	-39.9807	-1.25165	16615617	-1.4E+07	-470710
1055.2	763525.3	-39.9731	-1.26229	16617396	-1.4E+07	-474712
1055.4	763541.3	-39.9656	-1.27293	16619174	-1.4E+07	-478714
1055.6	763557.3	-39.9581	-1.28357	16620951	-1.4E+07	-482716
1055.8	763573.4	-39.9505	-1.29421	16622728	-1.4E+07	-486717
1056	763589.4	-39.943	-1.30485	16624503	-1.4E+07	-490719
1056.2	763605.5	-39.9354	-1.3155	16626278	-1.4E+07	-494720
1056.4	763621.6	-39.9279	-1.32614	16628052	-1.4E+07	-498722
1056.6	763637.7	-39.9203	-1.33678	16629825	-1.4E+07	-502724
1056.8	763653.7	-39.9128	-1.34742	16631597	-1.4E+07	-506725
1057	763669.8	-39.9053	-1.35806	16633368	-1.4E+07	-510726
1057.2	763685.9	-39.8977	-1.3687	16635139	-1.4E+07	-514728
1057.4	763702.1	-39.8902	-1.37934	16636908	-1.4E+07	-518729
1057.6	763718.2	-39.8826	-1.38998	16638677	-1.4E+07	-522731
1057.8	763734.3	-39.8751	-1.40062	16640445	-1.4E+07	-526732
1058	763750.5	-39.8675	-1.41127	16642212	-1.4E+07	-530733
1058.2	763766.6	-39.86	-1.42191	16643978	-1.4E+07	-534735
1058.4	763782.8	-39.8525	-1.43255	16645744	-1.4E+07	-538736
1058.6	763798.9	-39.8449	-1.44319	16647508	-1.4E+07	-542737
1058.8	763815.1	-39.8374	-1.45383	16649272	-1.4E+07	-546738
1059	763831.3	-39.8298	-1.46447	16651035	-1.4E+07	-550740
1059.2	763847.5	-39.8223	-1.47511	16652797	-1.4E+07	-554741
1059.4	763863.6	-39.8147	-1.48575	16654558	-1.4E+07	-558742
1059.6	763879.9	-39.8072	-1.49639	16656318	-1.4E+07	-562743
1059.8	763896.1	-39.7996	-1.50703	16658077	-1.4E+07	-566744
1060	763912.3	-39.7921	-1.51767	16659836	-1.4E+07	-570745
1060.2	763928.5	-39.7846	-1.52831	16661594	-1.4E+07	-574746
1060.4	763944.7	-39.777	-1.53895	16663350	-1.4E+07	-578747
1060.6	763961	-39.7695	-1.54959	16665106	-1.4E+07	-582748
1060.8	763977.2	-39.7619	-1.56023	16666862	-1.4E+07	-586749
1061	763993.5	-39.7544	-1.57087	16668616	-1.4E+07	-590750
1061.2	764009.8	-39.7468	-1.58151	16670369	-1.4E+07	-594751
1061.4	764026	-39.7393	-1.59215	16672122	-1.4E+07	-598751
1061.6	764042.3	-39.7317	-1.60279	16673874	-1.4E+07	-602752
1061.8	764058.6	-39.7242	-1.61343	16675624	-1.4E+07	-606753
1062	764074.9	-39.7167	-1.62407	16677375	-1.4E+07	-610754

1062.2	764091.2	-39.7091	-1.63471	16679124	-1.4E+07	-614754
1062.4	764107.6	-39.7016	-1.64535	16680872	-1.4E+07	-618755
1062.6	764123.9	-39.694	-1.65599	16682619	-1.4E+07	-622756
1062.8	764140.2	-39.6865	-1.66663	16684366	-1.4E+07	-626756
1063	764156.6	-39.6789	-1.67727	16686112	-1.4E+07	-630757
1063.2	764172.9	-39.6714	-1.68791	16687857	-1.4E+07	-634757
1063.4	764189.3	-39.6638	-1.69855	16689601	-1.4E+07	-638758
1063.6	764205.6	-39.6563	-1.70919	16691344	-1.4E+07	-642758
1063.8	764222	-39.6488	-1.71983	16693086	-1.4E+07	-646758
1064	764238.4	-39.6412	-1.73047	16694828	-1.4E+07	-650759
1064.2	764254.8	-39.6337	-1.74111	16696569	-1.4E+07	-654759
1064.4	764271.2	-39.6261	-1.75175	16698308	-1.4E+07	-658759
1064.6	764287.6	-39.6186	-1.76239	16700047	-1.4E+07	-662760
1064.8	764304	-39.611	-1.77303	16701785	-1.4E+07	-666760
1065	764320.4	-39.6035	-1.78367	16703523	-1.4E+07	-670760
1065.2	764336.9	-39.5959	-1.79431	16705259	-1.4E+07	-674760
1065.4	764353.3	-39.5884	-1.80494	16706995	-1.4E+07	-678760
1065.6	764369.7	-39.5808	-1.81558	16708729	-1.4E+07	-682760
1065.8	764386.2	-39.5733	-1.82622	16710463	-1.4E+07	-686760
1066	764402.7	-39.5657	-1.83686	16712196	-1.4E+07	-690760
1066.2	764419.1	-39.5582	-1.8475	16713928	-1.4E+07	-694760
1066.4	764435.6	-39.5507	-1.85814	16715659	-1.4E+07	-698760
1066.6	764452.1	-39.5431	-1.86878	16717390	-1.4E+07	-702760
1066.8	764468.6	-39.5356	-1.87942	16719119	-1.4E+07	-706760
1067	764485.1	-39.528	-1.89005	16720848	-1.4E+07	-710760
1067.2	764501.6	-39.5205	-1.90069	16722576	-1.4E+07	-714759
1067.4	764518.1	-39.5129	-1.91133	16724303	-1.4E+07	-718759
1067.6	764534.7	-39.5054	-1.92197	16726029	-1.4E+07	-722759
1067.8	764551.2	-39.4978	-1.93261	16727754	-1.4E+07	-726758
1068	764567.7	-39.4903	-1.94325	16729479	-1.4E+07	-730758
1068.2	764584.3	-39.4827	-1.95388	16731202	-1.4E+07	-734757
1068.4	764600.8	-39.4752	-1.96452	16732925	-1.4E+07	-738757
1068.6	764617.4	-39.4676	-1.97516	16734647	-1.4E+07	-742756
1068.8	764634	-39.4601	-1.9858	16736368	-1.4E+07	-746756
1069	764650.6	-39.4525	-1.99644	16738088	-1.4E+07	-750755
1069.2	764667.2	-39.445	-2.00707	16739807	-1.4E+07	-754755
1069.4	764683.8	-39.4374	-2.01771	16741526	-1.4E+07	-758754
1069.6	764700.4	-39.4299	-2.02835	16743243	-1.4E+07	-762753
1069.8	764717	-39.4223	-2.03899	16744960	-1.4E+07	-766752
1070	764733.6	-39.4148	-2.04963	16746676	-1.4E+07	-770751
1070.2	764750.3	-39.4073	-2.06026	16748391	-1.4E+07	-774751
1070.4	764766.9	-39.3997	-2.0709	16750105	-1.4E+07	-778750
1070.6	764783.5	-39.3922	-2.08154	16751819	-1.4E+07	-782749
1070.8	764800.2	-39.3846	-2.09218	16753531	-1.4E+07	-786748
1071	764816.9	-39.3771	-2.10281	16755243	-1.4E+07	-790747
1071.2	764833.5	-39.3695	-2.11345	16756953	-1.4E+07	-794746
1071.4	764850.2	-39.362	-2.12409	16758663	-1.4E+07	-798744

1071.6	764866.9	-39.3544	-2.13473	16760372	-1.4E+07	-802743
1071.8	764883.6	-39.3469	-2.14536	16762081	-1.4E+07	-806742
1072	764900.3	-39.3393	-2.156	16763788	-1.4E+07	-810741
1072.2	764917	-39.3318	-2.16664	16765494	-1.4E+07	-814739
1072.4	764933.8	-39.3242	-2.17727	16767200	-1.4E+07	-818738
1072.6	764950.5	-39.3167	-2.18791	16768905	-1.4E+07	-822737
1072.8	764967.2	-39.3091	-2.19855	16770609	-1.4E+07	-826735
1073	764984	-39.3016	-2.20918	16772312	-1.4E+07	-830734
1073.2	765000.7	-39.294	-2.21982	16774014	-1.4E+07	-834732
1073.4	765017.5	-39.2865	-2.23046	16775715	-1.4E+07	-838731
1073.6	765034.3	-39.2789	-2.24109	16777416	-1.4E+07	-842729
1073.8	765051	-39.2714	-2.25173	16779115	-1.4E+07	-846727
1074	765067.8	-39.2638	-2.26237	16780814	-1.4E+07	-850726
1074.2	765084.6	-39.2563	-2.273	16782512	-1.4E+07	-854724
1074.4	765101.4	-39.2487	-2.28364	16784209	-1.4E+07	-858722
1074.6	765118.2	-39.2412	-2.29427	16785905	-1.4E+07	-862720
1074.8	765135.1	-39.2336	-2.30491	16787601	-1.4E+07	-866718
1075	765151.9	-39.2261	-2.31555	16789295	-1.4E+07	-870716
1075.2	765168.7	-39.2185	-2.32618	16790989	-1.4E+07	-874714
1075.4	765185.6	-39.211	-2.33682	16792681	-1.4E+07	-878712
1075.6	765202.4	-39.2034	-2.34745	16794373	-1.4E+07	-882710
1075.8	765219.3	-39.1959	-2.35809	16796064	-1.4E+07	-886708
1076	765236.1	-39.1883	-2.36873	16797755	-1.4E+07	-890706
1076.2	765253	-39.1808	-2.37936	16799444	-1.4E+07	-894703
1076.4	765269.9	-39.1732	-2.39	16801132	-1.4E+07	-898701
1076.6	765286.8	-39.1657	-2.40063	16802820	-1.4E+07	-902699
1076.8	765303.7	-39.1581	-2.41127	16804507	-1.4E+07	-906696
1077	765320.6	-39.1505	-2.4219	16806193	-1.4E+07	-910694
1077.2	765337.5	-39.143	-2.43254	16807878	-1.4E+07	-914691
1077.4	765354.4	-39.1354	-2.44317	16809562	-1.4E+07	-918689
1077.6	765371.4	-39.1279	-2.45381	16811245	-1.4E+07	-922686
1077.8	765388.3	-39.1203	-2.46444	16812928	-1.4E+07	-926684
1078	765405.2	-39.1128	-2.47508	16814609	-1.4E+07	-930681
1078.2	765422.2	-39.1052	-2.48571	16816290	-1.4E+07	-934678
1078.4	765439.2	-39.0977	-2.49635	16817970	-1.4E+07	-938675
1078.6	765456.1	-39.0901	-2.50698	16819649	-1.4E+07	-942672
1078.8	765473.1	-39.0826	-2.51762	16821327	-1.4E+07	-946669
1079	765490.1	-39.075	-2.52825	16823005	-1.4E+07	-950667
1079.2	765507.1	-39.0675	-2.53889	16824681	-1.4E+07	-954663
1079.4	765524.1	-39.0599	-2.54952	16826357	-1.4E+07	-958660
1079.6	765541.1	-39.0524	-2.56016	16828032	-1.4E+07	-962657
1079.8	765558.1	-39.0448	-2.57079	16829705	-1.4E+07	-966654
1080	765575.2	-39.0373	-2.58143	16831378	-1.4E+07	-970651
1080.2	765592.2	-39.0297	-2.59206	16833051	-1.4E+07	-974648
1080.4	765609.2	-39.0221	-2.60269	16834722	-1.4E+07	-978644
1080.6	765626.3	-39.0146	-2.61333	16836392	-1.4E+07	-982641
1080.8	765643.4	-39.007	-2.62396	16838062	-1.4E+07	-986637

1081	765660.4	-38.9995	-2.6346	16839731	-1.4E+07	-990634
1081.2	765677.5	-38.9919	-2.64523	16841399	-1.4E+07	-994630
1081.4	765694.6	-38.9844	-2.65586	16843066	-1.4E+07	-998627
1081.6	765711.7	-38.9768	-2.6665	16844732	-1.4E+07	-1002623
1081.8	765728.8	-38.9693	-2.67713	16846397	-1.4E+07	-1006619
1082	765745.9	-38.9617	-2.68776	16848062	-1.4E+07	-1010615
1082.2	765763	-38.9542	-2.6984	16849725	-1.4E+07	-1014612
1082.4	765780.1	-38.9466	-2.70903	16851388	-1.4E+07	-1018608
1082.6	765797.3	-38.939	-2.71966	16853050	-1.4E+07	-1022604
1082.8	765814.4	-38.9315	-2.7303	16854711	-1.4E+07	-1026600
1083	765831.5	-38.9239	-2.74093	16856371	-1.4E+07	-1030596
1083.2	765848.7	-38.9164	-2.75156	16858030	-1.4E+07	-1034592
1083.4	765865.9	-38.9088	-2.7622	16859689	-1.4E+07	-1038587
1083.6	765883	-38.9013	-2.77283	16861346	-1.4E+07	-1042583
1083.8	765900.2	-38.8937	-2.78346	16863003	-1.4E+07	-1046579
1084	765917.4	-38.8862	-2.7941	16864659	-1.4E+07	-1050574
1084.2	765934.6	-38.8786	-2.80473	16866314	-1.4E+07	-1054570
1084.4	765951.8	-38.871	-2.81536	16867968	-1.4E+07	-1058566
1084.6	765969	-38.8635	-2.82599	16869621	-1.4E+07	-1062561
1084.8	765986.2	-38.8559	-2.83663	16871274	-1.4E+07	-1066556
1085	766003.5	-38.8484	-2.84726	16872925	-1.4E+07	-1070552
1085.2	766020.7	-38.8408	-2.85789	16874576	-1.4E+07	-1074547
1085.4	766037.9	-38.8333	-2.86852	16876226	-1.4E+07	-1078542
1085.6	766055.2	-38.8257	-2.87915	16877875	-1.4E+07	-1082537
1085.8	766072.5	-38.8181	-2.88979	16879523	-1.4E+07	-1086533
1086	766089.7	-38.8106	-2.90042	16881170	-1.4E+07	-1090528
1086.2	766107	-38.803	-2.91105	16882816	-1.4E+07	-1094523
1086.4	766124.3	-38.7955	-2.92168	16884462	-1.4E+07	-1098518
1086.6	766141.6	-38.7879	-2.93231	16886107	-1.4E+07	-1102512
1086.8	766158.9	-38.7803	-2.94295	16887750	-1.4E+07	-1106507
1087	766176.2	-38.7728	-2.95358	16889393	-1.4E+07	-1110502
1087.2	766193.5	-38.7652	-2.96421	16891035	-1.4E+07	-1114497
1087.4	766210.8	-38.7577	-2.97484	16892677	-1.4E+07	-1118491
1087.6	766228.2	-38.7501	-2.98547	16894317	-1.4E+07	-1122486
1087.8	766245.5	-38.7426	-2.9961	16895957	-1.4E+07	-1126480
1088	766262.8	-38.735	-3.00673	16897595	-1.4E+07	-1130475
1088.2	766280.2	-38.7274	-3.01736	16899233	-1.4E+07	-1134469
1088.4	766297.6	-38.7199	-3.028	16900870	-1.4E+07	-1138463
1088.6	766314.9	-38.7123	-3.03863	16902506	-1.4E+07	-1142458
1088.8	766332.3	-38.7048	-3.04926	16904141	-1.4E+07	-1146452
1089	766349.7	-38.6972	-3.05989	16905776	-1.4E+07	-1150446
1089.2	766367.1	-38.6896	-3.07052	16907409	-1.4E+07	-1154440
1089.4	766384.5	-38.6821	-3.08115	16909042	-1.4E+07	-1158434
1089.6	766401.9	-38.6745	-3.09178	16910673	-1.4E+07	-1162428
1089.8	766419.3	-38.667	-3.10241	16912304	-1.4E+07	-1166422
1090	766436.8	-38.6594	-3.11304	16913934	-1.4E+07	-1170416
1090.2	766454.2	-38.6518	-3.12367	16915563	-1.4E+07	-1174409

1090.4	766471.6	-38.6443	-3.1343	16917192	-1.4E+07	-1178403
1090.6	766489.1	-38.6367	-3.14493	16918819	-1.4E+07	-1182397
1090.8	766506.6	-38.6291	-3.15556	16920446	-1.4E+07	-1186390
1091	766524	-38.6216	-3.16619	16922071	-1.4E+07	-1190384
1091.2	766541.5	-38.614	-3.17682	16923696	-1.4E+07	-1194377
1091.4	766559	-38.6065	-3.18745	16925320	-1.4E+07	-1198370
1091.6	766576.5	-38.5989	-3.19808	16926943	-1.4E+07	-1202364
1091.8	766594	-38.5913	-3.20871	16928566	-1.4E+07	-1206357
1092	766611.5	-38.5838	-3.21934	16930187	-1.4E+07	-1210350
1092.2	766629	-38.5762	-3.22997	16931808	-1.4E+07	-1214343
1092.4	766646.5	-38.5687	-3.2406	16933427	-1.4E+07	-1218336
1092.6	766664	-38.5611	-3.25123	16935046	-1.4E+07	-1222329
1092.8	766681.6	-38.5535	-3.26186	16936664	-1.3E+07	-1226322
1093	766699.1	-38.546	-3.27248	16938281	-1.3E+07	-1230315
1093.2	766716.7	-38.5384	-3.28311	16939897	-1.3E+07	-1234307
1093.4	766734.2	-38.5308	-3.29374	16941513	-1.3E+07	-1238300
1093.6	766751.8	-38.5233	-3.30437	16943127	-1.3E+07	-1242293
1093.8	766769.4	-38.5157	-3.315	16944741	-1.3E+07	-1246285
1094	766787	-38.5081	-3.32563	16946354	-1.3E+07	-1250278
1094.2	766804.6	-38.5006	-3.33626	16947965	-1.3E+07	-1254270
1094.4	766822.2	-38.493	-3.34688	16949577	-1.3E+07	-1258262
1094.6	766839.8	-38.4855	-3.35751	16951187	-1.3E+07	-1262254
1094.8	766857.4	-38.4779	-3.36814	16952796	-1.3E+07	-1266247
1095	766875	-38.4703	-3.37877	16954404	-1.3E+07	-1270239
1095.2	766892.7	-38.4628	-3.3894	16956012	-1.3E+07	-1274231
1095.4	766910.3	-38.4552	-3.40002	16957619	-1.3E+07	-1278223
1095.6	766928	-38.4476	-3.41065	16959225	-1.3E+07	-1282215
1095.8	766945.6	-38.4401	-3.42128	16960830	-1.3E+07	-1286206
1096	766963.3	-38.4325	-3.43191	16962434	-1.3E+07	-1290198
1096.2	766981	-38.4249	-3.44254	16964037	-1.3E+07	-1294190
1096.4	766998.6	-38.4174	-3.45316	16965639	-1.3E+07	-1298182
1096.6	767016.3	-38.4098	-3.46379	16967241	-1.3E+07	-1302173
1096.8	767034	-38.4022	-3.47442	16968842	-1.3E+07	-1306165
1097	767051.7	-38.3947	-3.48504	16970441	-1.3E+07	-1310156
1097.2	767069.4	-38.3871	-3.49567	16972040	-1.3E+07	-1314147
1097.4	767087.2	-38.3795	-3.5063	16973639	-1.3E+07	-1318138
1097.6	767104.9	-38.372	-3.51693	16975236	-1.3E+07	-1322130
1097.8	767122.6	-38.3644	-3.52755	16976832	-1.3E+07	-1326121
1098	767140.4	-38.3568	-3.53818	16978428	-1.3E+07	-1330112
1098.2	767158.1	-38.3493	-3.54881	16980022	-1.3E+07	-1334103
1098.4	767175.9	-38.3417	-3.55943	16981616	-1.3E+07	-1338094
1098.6	767193.7	-38.3341	-3.57006	16983209	-1.3E+07	-1342084
1098.8	767211.4	-38.3266	-3.58068	16984801	-1.3E+07	-1346075
1099	767229.2	-38.319	-3.59131	16986392	-1.3E+07	-1350066
1099.2	767247	-38.3114	-3.60194	16987982	-1.3E+07	-1354056
1099.4	767264.8	-38.3039	-3.61256	16989572	-1.3E+07	-1358047
1099.6	767282.6	-38.2963	-3.62319	16991160	-1.3E+07	-1362037

1099.8	767300.4	-38.2887	-3.63381	16992748	-1.3E+07	-1366028
1100	767318.3	-38.2811	-3.64444	16994335	-1.3E+07	-1370018
1100.2	767336.1	-38.2736	-3.65507	16995921	-1.3E+07	-1374008
1100.4	767353.9	-38.266	-3.66569	16997506	-1.3E+07	-1377998
1100.6	767371.8	-38.2584	-3.67632	16999090	-1.3E+07	-1381988
1100.8	767389.6	-38.2509	-3.68694	17000674	-1.3E+07	-1385978
1101	767407.5	-38.2433	-3.69757	17002256	-1.3E+07	-1389968
1101.2	767425.4	-38.2357	-3.70819	17003838	-1.3E+07	-1393958
1101.4	767443.3	-38.2282	-3.71882	17005419	-1.3E+07	-1397948
1101.6	767461.1	-38.2206	-3.72944	17006998	-1.3E+07	-1401937
1101.8	767479	-38.213	-3.74007	17008577	-1.3E+07	-1405927
1102	767496.9	-38.2054	-3.75069	17010156	-1.3E+07	-1409917
1102.2	767514.9	-38.1979	-3.76132	17011733	-1.3E+07	-1413906
1102.4	767532.8	-38.1903	-3.77194	17013309	-1.3E+07	-1417895
1102.6	767550.7	-38.1827	-3.78256	17014885	-1.3E+07	-1421885
1102.8	767568.6	-38.1752	-3.79319	17016460	-1.3E+07	-1425874
1103	767586.6	-38.1676	-3.80381	17018034	-1.3E+07	-1429863
1103.2	767604.5	-38.16	-3.81444	17019607	-1.3E+07	-1433852
1103.4	767622.5	-38.1524	-3.82506	17021179	-1.3E+07	-1437841
1103.6	767640.4	-38.1449	-3.83569	17022750	-1.3E+07	-1441830
1103.8	767658.4	-38.1373	-3.84631	17024320	-1.3E+07	-1445819
1104	767676.4	-38.1297	-3.85693	17025890	-1.3E+07	-1449807
1104.2	767694.4	-38.1221	-3.86756	17027458	-1.3E+07	-1453796
1104.4	767712.4	-38.1146	-3.87818	17029026	-1.3E+07	-1457785
1104.6	767730.4	-38.107	-3.8888	17030593	-1.3E+07	-1461773
1104.8	767748.4	-38.0994	-3.89943	17032159	-1.3E+07	-1465761
1105	767766.4	-38.0919	-3.91005	17033724	-1.3E+07	-1469750
1105.2	767784.5	-38.0843	-3.92067	17035289	-1.3E+07	-1473738
1105.4	767802.5	-38.0767	-3.9313	17036852	-1.3E+07	-1477726
1105.6	767820.5	-38.0691	-3.94192	17038415	-1.3E+07	-1481714
1105.8	767838.6	-38.0616	-3.95254	17039976	-1.3E+07	-1485702
1106	767856.7	-38.054	-3.96316	17041537	-1.3E+07	-1489690
1106.2	767874.7	-38.0464	-3.97379	17043097	-1.3E+07	-1493678
1106.4	767892.8	-38.0388	-3.98441	17044656	-1.3E+07	-1497666
1106.6	767910.9	-38.0313	-3.99503	17046215	-1.3E+07	-1501653
1106.8	767929	-38.0237	-4.00565	17047772	-1.3E+07	-1505641
1107	767947.1	-38.0161	-4.01628	17049329	-1.3E+07	-1509628
1107.2	767965.2	-38.0085	-4.0269	17050884	-1.3E+07	-1513616
1107.4	767983.3	-38.0009	-4.03752	17052439	-1.3E+07	-1517603
1107.6	768001.4	-37.9934	-4.04814	17053993	-1.3E+07	-1521590
1107.8	768019.6	-37.9858	-4.05876	17055546	-1.3E+07	-1525577
1108	768037.7	-37.9782	-4.06938	17057098	-1.3E+07	-1529565
1108.2	768055.8	-37.9706	-4.08001	17058649	-1.3E+07	-1533552
1108.4	768074	-37.9631	-4.09063	17060200	-1.3E+07	-1537538
1108.6	768092.2	-37.9555	-4.10125	17061749	-1.3E+07	-1541525
1108.8	768110.3	-37.9479	-4.11187	17063298	-1.3E+07	-1545512
1109	768128.5	-37.9403	-4.12249	17064846	-1.3E+07	-1549499

1109.2	768146.7	-37.9328	-4.13311	17066393	-1.3E+07	-1553485
1109.4	768164.9	-37.9252	-4.14373	17067939	-1.3E+07	-1557472
1109.6	768183.1	-37.9176	-4.15435	17069484	-1.3E+07	-1561458
1109.8	768201.3	-37.91	-4.16497	17071029	-1.3E+07	-1565444
1110	768219.5	-37.9024	-4.17559	17072572	-1.3E+07	-1569431
1110.2	768237.7	-37.8949	-4.18621	17074115	-1.3E+07	-1573417
1110.4	768256	-37.8873	-4.19684	17075656	-1.3E+07	-1577403
1110.6	768274.2	-37.8797	-4.20746	17077197	-1.3E+07	-1581389
1110.8	768292.5	-37.8721	-4.21808	17078737	-1.3E+07	-1585375
1111	768310.7	-37.8645	-4.2287	17080276	-1.3E+07	-1589360
1111.2	768329	-37.857	-4.23932	17081815	-1.3E+07	-1593346
1111.4	768347.3	-37.8494	-4.24993	17083352	-1.3E+07	-1597332
1111.6	768365.5	-37.8418	-4.26055	17084889	-1.3E+07	-1601317
1111.8	768383.8	-37.8342	-4.27117	17086424	-1.3E+07	-1605303
1112	768402.1	-37.8266	-4.28179	17087959	-1.3E+07	-1609288
1112.2	768420.4	-37.8191	-4.29241	17089493	-1.3E+07	-1613273
1112.4	768438.7	-37.8115	-4.30303	17091026	-1.3E+07	-1617258
1112.6	768457.1	-37.8039	-4.31365	17092558	-1.3E+07	-1621243
1112.8	768475.4	-37.7963	-4.32427	17094090	-1.3E+07	-1625228
1113	768493.7	-37.7887	-4.33489	17095620	-1.3E+07	-1629213
1113.2	768512.1	-37.7811	-4.34551	17097150	-1.3E+07	-1633198
1113.4	768530.4	-37.7736	-4.35613	17098678	-1.3E+07	-1637183
1113.6	768548.8	-37.766	-4.36674	17100206	-1.3E+07	-1641167
1113.8	768567.1	-37.7584	-4.37736	17101733	-1.3E+07	-1645152
1114	768585.5	-37.7508	-4.38798	17103259	-1.3E+07	-1649136
1114.2	768603.9	-37.7432	-4.3986	17104785	-1.3E+07	-1653121
1114.4	768622.3	-37.7356	-4.40922	17106309	-1.3E+07	-1657105
1114.6	768640.7	-37.7281	-4.41983	17107832	-1.3E+07	-1661089
1114.8	768659.1	-37.7205	-4.43045	17109355	-1.3E+07	-1665073
1115	768677.5	-37.7129	-4.44107	17110877	-1.3E+07	-1669057
1115.2	768695.9	-37.7053	-4.45169	17112398	-1.3E+07	-1673041
1115.4	768714.3	-37.6977	-4.46231	17113918	-1.3E+07	-1677025
1115.6	768732.8	-37.6901	-4.47292	17115437	-1.3E+07	-1681008
1115.8	768751.2	-37.6825	-4.48354	17116955	-1.3E+07	-1684992
1116	768769.7	-37.675	-4.49416	17118473	-1.3E+07	-1688975
1116.2	768788.1	-37.6674	-4.50477	17119989	-1.3E+07	-1692959
1116.4	768806.6	-37.6598	-4.51539	17121505	-1.3E+07	-1696942
1116.6	768825.1	-37.6522	-4.52601	17123020	-1.3E+07	-1700925
1116.8	768843.6	-37.6446	-4.53662	17124534	-1.3E+07	-1704909
1117	768862.1	-37.637	-4.54724	17126047	-1.3E+07	-1708892
1117.2	768880.6	-37.6294	-4.55786	17127559	-1.3E+07	-1712875
1117.4	768899.1	-37.6219	-4.56847	17129070	-1.3E+07	-1716857
1117.6	768917.6	-37.6143	-4.57909	17130581	-1.3E+07	-1720840
1117.8	768936.1	-37.6067	-4.58971	17132090	-1.3E+07	-1724823
1118	768954.6	-37.5991	-4.60032	17133599	-1.3E+07	-1728805
1118.2	768973.2	-37.5915	-4.61094	17135107	-1.3E+07	-1732788
1118.4	768991.7	-37.5839	-4.62155	17136614	-1.3E+07	-1736770

1118.6	769010.3	-37.5763	-4.63217	17138120	-1.3E+07	-1740752
1118.8	769028.8	-37.5687	-4.64278	17139625	-1.3E+07	-1744735
1119	769047.4	-37.5611	-4.6534	17141129	-1.3E+07	-1748717
1119.2	769066	-37.5536	-4.66401	17142633	-1.3E+07	-1752699
1119.4	769084.6	-37.546	-4.67463	17144135	-1.3E+07	-1756681
1119.6	769103.1	-37.5384	-4.68524	17145637	-1.3E+07	-1760662
1119.8	769121.7	-37.5308	-4.69586	17147138	-1.3E+07	-1764644
1120	769140.4	-37.5232	-4.70647	17148638	-1.3E+07	-1768626
1120.2	769159	-37.5156	-4.71709	17150137	-1.3E+07	-1772607
1120.4	769177.6	-37.508	-4.7277	17151635	-1.3E+07	-1776589
1120.6	769196.2	-37.5004	-4.73832	17153133	-1.3E+07	-1780570
1120.8	769214.9	-37.4928	-4.74893	17154629	-1.3E+07	-1784551
1121	769233.5	-37.4852	-4.75954	17156125	-1.3E+07	-1788532
1121.2	769252.2	-37.4777	-4.77016	17157619	-1.3E+07	-1792513
1121.4	769270.8	-37.4701	-4.78077	17159113	-1.3E+07	-1796494
1121.6	769289.5	-37.4625	-4.79139	17160606	-1.3E+07	-1800475
1121.8	769308.2	-37.4549	-4.802	17162099	-1.3E+07	-1804456
1122	769326.9	-37.4473	-4.81261	17163590	-1.3E+07	-1808436
1122.2	769345.5	-37.4397	-4.82323	17165080	-1.3E+07	-1812417
1122.4	769364.2	-37.4321	-4.83384	17166570	-1.3E+07	-1816397
1122.6	769383	-37.4245	-4.84445	17168058	-1.3E+07	-1820377
1122.8	769401.7	-37.4169	-4.85507	17169546	-1.3E+07	-1824358
1123	769420.4	-37.4093	-4.86568	17171033	-1.3E+07	-1828338
1123.2	769439.1	-37.4017	-4.87629	17172519	-1.3E+07	-1832318
1123.4	769457.9	-37.3941	-4.8869	17174004	-1.3E+07	-1836298
1123.6	769476.6	-37.3865	-4.89752	17175488	-1.3E+07	-1840277
1123.8	769495.4	-37.3789	-4.90813	17176972	-1.3E+07	-1844257
1124	769514.1	-37.3713	-4.91874	17178454	-1.3E+07	-1848237
1124.2	769532.9	-37.3637	-4.92935	17179936	-1.3E+07	-1852216
1124.4	769551.7	-37.3561	-4.93996	17181417	-1.3E+07	-1856196
1124.6	769570.5	-37.3486	-4.95058	17182897	-1.3E+07	-1860175
1124.8	769589.3	-37.341	-4.96119	17184376	-1.3E+07	-1864154
1125	769608.1	-37.3334	-4.9718	17185854	-1.3E+07	-1868133
1125.2	769626.9	-37.3258	-4.98241	17187331	-1.3E+07	-1872112
1125.4	769645.7	-37.3182	-4.99302	17188808	-1.3E+07	-1876091
1125.6	769664.5	-37.3106	-5.00363	17190283	-1.3E+07	-1880070
1125.8	769683.3	-37.303	-5.01424	17191758	-1.3E+07	-1884048
1126	769702.2	-37.2954	-5.02486	17193232	-1.3E+07	-1888027
1126.2	769721	-37.2878	-5.03547	17194705	-1.3E+07	-1892005
1126.4	769739.9	-37.2802	-5.04608	17196177	-1.3E+07	-1895984
1126.6	769758.8	-37.2726	-5.05669	17197648	-1.3E+07	-1899962
1126.8	769777.6	-37.265	-5.0673	17199118	-1.3E+07	-1903940
1127	769796.5	-37.2574	-5.07791	17200588	-1.3E+07	-1907918
1127.2	769815.4	-37.2498	-5.08852	17202056	-1.3E+07	-1911896
1127.4	769834.3	-37.2422	-5.09913	17203524	-1.3E+07	-1915874
1127.6	769853.2	-37.2346	-5.10974	17204991	-1.3E+07	-1919852
1127.8	769872.1	-37.227	-5.12035	17206457	-1.3E+07	-1923829

1128	769891	-37.2194	-5.13096	17207922	-1.3E+07	-1927807
1128.2	769909.9	-37.2118	-5.14157	17209386	-1.3E+07	-1931784
1128.4	769928.9	-37.2042	-5.15218	17210849	-1.3E+07	-1935761
1128.6	769947.8	-37.1966	-5.16278	17212312	-1.3E+07	-1939739
1128.8	769966.8	-37.189	-5.17339	17213773	-1.3E+07	-1943716
1129	769985.7	-37.1814	-5.184	17215234	-1.3E+07	-1947693
1129.2	770004.7	-37.1738	-5.19461	17216694	-1.3E+07	-1951669
1129.4	770023.6	-37.1662	-5.20522	17218153	-1.3E+07	-1955646
1129.6	770042.6	-37.1586	-5.21583	17219611	-1.3E+07	-1959623
1129.8	770061.6	-37.151	-5.22644	17221068	-1.3E+07	-1963599
1130	770080.6	-37.1434	-5.23705	17222525	-1.3E+07	-1967576
1130.2	770099.6	-37.1358	-5.24765	17223980	-1.3E+07	-1971552
1130.4	770118.6	-37.1282	-5.25826	17225435	-1.3E+07	-1975528
1130.6	770137.6	-37.1205	-5.26887	17226888	-1.3E+07	-1979504
1130.8	770156.7	-37.1129	-5.27948	17228341	-1.3E+07	-1983480
1131	770175.7	-37.1053	-5.29008	17229793	-1.3E+07	-1987456
1131.2	770194.7	-37.0977	-5.30069	17231244	-1.3E+07	-1991432
1131.4	770213.8	-37.0901	-5.3113	17232694	-1.3E+07	-1995408
1131.6	770232.8	-37.0825	-5.32191	17234144	-1.3E+07	-1999383
1131.8	770251.9	-37.0749	-5.33251	17235592	-1.3E+07	-2003359
1132	770271	-37.0673	-5.34312	17237040	-1.3E+07	-2007334
1132.2	770290.1	-37.0597	-5.35373	17238486	-1.3E+07	-2011309
1132.4	770309.1	-37.0521	-5.36433	17239932	-1.3E+07	-2015284
1132.6	770328.2	-37.0445	-5.37494	17241377	-1.3E+07	-2019259
1132.8	770347.3	-37.0369	-5.38555	17242821	-1.3E+07	-2023234
1133	770366.4	-37.0293	-5.39615	17244265	-1.3E+07	-2027209
1133.2	770385.6	-37.0217	-5.40676	17245707	-1.3E+07	-2031184
1133.4	770404.7	-37.0141	-5.41736	17247148	-1.3E+07	-2035158
1133.6	770423.8	-37.0065	-5.42797	17248589	-1.3E+07	-2039133
1133.8	770443	-36.9988	-5.43858	17250029	-1.3E+07	-2043107
1134	770462.1	-36.9912	-5.44918	17251467	-1.3E+07	-2047081
1134.2	770481.3	-36.9836	-5.45979	17252905	-1.3E+07	-2051055
1134.4	770500.4	-36.976	-5.47039	17254342	-1.3E+07	-2055029
1134.6	770519.6	-36.9684	-5.481	17255779	-1.3E+07	-2059003
1134.8	770538.8	-36.9608	-5.4916	17257214	-1.3E+07	-2062977
1135	770558	-36.9532	-5.50221	17258648	-1.3E+07	-2066950
1135.2	770577.2	-36.9456	-5.51281	17260082	-1.3E+07	-2070924
1135.4	770596.4	-36.938	-5.52342	17261515	-1.3E+07	-2074897
1135.6	770615.6	-36.9304	-5.53402	17262947	-1.3E+07	-2078871
1135.8	770634.8	-36.9227	-5.54462	17264377	-1.3E+07	-2082844
1136	770654	-36.9151	-5.55523	17265808	-1.3E+07	-2086817
1136.2	770673.2	-36.9075	-5.56583	17267237	-1.3E+07	-2090790
1136.4	770692.5	-36.8999	-5.57644	17268665	-1.3E+07	-2094763
1136.6	770711.7	-36.8923	-5.58704	17270092	-1.3E+07	-2098735
1136.8	770731	-36.8847	-5.59764	17271519	-1.3E+07	-2102708
1137	770750.2	-36.8771	-5.60825	17272945	-1.3E+07	-2106680
1137.2	770769.5	-36.8695	-5.61885	17274370	-1.3E+07	-2110653

1137.4	770788.8	-36.8618	-5.62945	17275793	-1.3E+07	-2114625
1137.6	770808.1	-36.8542	-5.64006	17277217	-1.3E+07	-2118597
1137.8	770827.4	-36.8466	-5.65066	17278639	-1.3E+07	-2122569
1138	770846.7	-36.839	-5.66126	17280060	-1.3E+07	-2126541
1138.2	770866	-36.8314	-5.67186	17281480	-1.3E+07	-2130513
1138.4	770885.3	-36.8238	-5.68247	17282900	-1.3E+07	-2134484
1138.6	770904.6	-36.8162	-5.69307	17284319	-1.3E+07	-2138456
1138.8	770924	-36.8085	-5.70367	17285736	-1.3E+07	-2142427
1139	770943.3	-36.8009	-5.71427	17287153	-1.3E+07	-2146399
1139.2	770962.6	-36.7933	-5.72487	17288569	-1.3E+07	-2150370
1139.4	770982	-36.7857	-5.73548	17289985	-1.3E+07	-2154341
1139.6	771001.4	-36.7781	-5.74608	17291399	-1.3E+07	-2158312
1139.8	771020.7	-36.7705	-5.75668	17292812	-1.3E+07	-2162283
1140	771040.1	-36.7628	-5.76728	17294225	-1.3E+07	-2166253
1140.2	771059.5	-36.7552	-5.77788	17295636	-1.3E+07	-2170224
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1140.6	771098.3	-36.74	-5.79908	17298457	-1.3E+07	-2178165
1140.8	771117.7	-36.7324	-5.80968	17299866	-1.3E+07	-2182135
1141	771137.1	-36.7248	-5.82028	17301274	-1.3E+07	-2186105
1141.2	771156.5	-36.7171	-5.83088	17302682	-1.3E+07	-2190075
1141.4	771176	-36.7095	-5.84148	17304088	-1.3E+07	-2194045
1141.6	771195.4	-36.7019	-5.85208	17305493	-1.3E+07	-2198015
1141.8	771214.8	-36.6943	-5.86268	17306898	-1.3E+07	-2201984
1142	771234.3	-36.6867	-5.87328	17308302	-1.3E+07	-2205954
1142.2	771253.8	-36.679	-5.88388	17309705	-1.3E+07	-2209923
1142.4	771273.2	-36.6714	-5.89448	17311107	-1.3E+07	-2213892
1142.6	771292.7	-36.6638	-5.90508	17312508	-1.3E+07	-2217862
1142.8	771312.2	-36.6562	-5.91568	17313908	-1.3E+07	-2221831
1143	771331.7	-36.6485	-5.92628	17315307	-1.3E+07	-2225799
1143.2	771351.2	-36.6409	-5.93688	17316706	-1.3E+07	-2229768
1143.4	771370.7	-36.6333	-5.94748	17318104	-1.3E+07	-2233737
1143.6	771390.2	-36.6257	-5.95808	17319500	-1.3E+07	-2237705
1143.8	771409.7	-36.6181	-5.96867	17320896	-1.3E+07	-2241674
1144	771429.3	-36.6104	-5.97927	17322291	-1.3E+07	-2245642
1144.2	771448.8	-36.6028	-5.98987	17323685	-1.3E+07	-2249610
1144.4	771468.3	-36.5952	-6.00047	17325078	-1.3E+07	-2253578
1144.6	771487.9	-36.5876	-6.01107	17326471	-1.3E+07	-2257546
1144.8	771507.4	-36.5799	-6.02166	17327862	-1.3E+07	-2261514
1145	771527	-36.5723	-6.03226	17329253	-1.3E+07	-2265481
1145.2	771546.6	-36.5647	-6.04286	17330642	-1.3E+07	-2269449
1145.4	771566.2	-36.5571	-6.05346	17332031	-1.3E+07	-2273416
1145.6	771585.8	-36.5494	-6.06405	17333419	-1.3E+07	-2277384
1145.8	771605.4	-36.5418	-6.07465	17334806	-1.3E+07	-2281351
1146	771625	-36.5342	-6.08525	17336192	-1.3E+07	-2285318
1146.2	771644.6	-36.5266	-6.09584	17337578	-1.3E+07	-2289285
1146.4	771664.2	-36.5189	-6.10644	17338962	-1.3E+07	-2293251
1146.6	771683.8	-36.5113	-6.11704	17340346	-1.3E+07	-2297218

1146.8	771703.5	-36.5037	-6.12763	17341728	-1.3E+07	-2301185
1147	771723.1	-36.496	-6.13823	17343110	-1.3E+07	-2305151
1147.2	771742.8	-36.4884	-6.14882	17344491	-1.3E+07	-2309117
1147.4	771762.4	-36.4808	-6.15942	17345871	-1.3E+07	-2313083
1147.6	771782.1	-36.4732	-6.17001	17347250	-1.3E+07	-2317049
1147.8	771801.8	-36.4655	-6.18061	17348629	-1.3E+07	-2321015
1148	771821.4	-36.4579	-6.1912	17350006	-1.3E+07	-2324981
1148.2	771841.1	-36.4503	-6.2018	17351382	-1.3E+07	-2328946
1148.4	771860.8	-36.4426	-6.21239	17352758	-1.3E+07	-2332912
1148.6	771880.5	-36.435	-6.22299	17354133	-1.3E+07	-2336877
1148.8	771900.2	-36.4274	-6.23358	17355507	-1.3E+07	-2340843
1149	771920	-36.4197	-6.24418	17356880	-1.3E+07	-2344808
1149.2	771939.7	-36.4121	-6.25477	17358252	-1.3E+07	-2348773
1149.4	771959.4	-36.4045	-6.26537	17359623	-1.3E+07	-2352737
1149.6	771979.2	-36.3968	-6.27596	17360993	-1.3E+07	-2356702
1149.8	771998.9	-36.3892	-6.28655	17362363	-1.3E+07	-2360667
1150	772018.7	-36.3816	-6.29715	17363731	-1.3E+07	-2364631

