

Antares Orb-2 - Open Trajectory

TIME (sec)	ALT (ft)	LONG (deg)	GDLAT (deg)	XF (ft)	YF (ft)	ZF (ft)
0.001646	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.19998	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.201646	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.399979	-35.1767	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.599979	-35.179	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.799979	-35.1851	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.999979	-35.1916	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.199979	-35.1982	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.399979	-35.2057	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.599979	-35.2133	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.799979	-35.2208	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.999979	-35.2294	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.199979	-35.2332	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.399979	-35.0852	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.409979	-35.0714	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.599979	-34.6936	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.799979	-34.0558	-75.4877	37.83387	4146667	-1.6E+07	12765390
2.999979	-33.1702	-75.4877	37.83387	4146667	-1.6E+07	12765390
3.199979	-32.036	-75.4877	37.83387	4146668	-1.6E+07	12765391
3.399979	-30.6506	-75.4877	37.83387	4146668	-1.6E+07	12765392
3.599979	-29.0046	-75.4877	37.83387	4146668	-1.6E+07	12765393
3.799979	-27.0926	-75.4877	37.83387	4146668	-1.6E+07	12765394
3.999979	-24.9141	-75.4877	37.83387	4146669	-1.6E+07	12765395
4.199979	-22.4682	-75.4877	37.83387	4146669	-1.6E+07	12765397
4.399979	-19.7532	-75.4877	37.83387	4146670	-1.6E+07	12765398
4.599979	-16.7678	-75.4877	37.83387	4146671	-1.6E+07	12765400
4.799979	-13.5111	-75.4877	37.83387	4146672	-1.6E+07	12765402
4.999979	-9.98215	-75.4877	37.83387	4146673	-1.6E+07	12765404
5.199979	-6.17968	-75.4877	37.83387	4146674	-1.6E+07	12765406
5.399979	-2.10198	-75.4877	37.83387	4146675	-1.6E+07	12765408
5.599979	2.25287	-75.4877	37.83387	4146676	-1.6E+07	12765410
5.799979	6.88647	-75.4877	37.83386	4146677	-1.6E+07	12765412
5.999979	11.80019	-75.4877	37.83386	4146679	-1.6E+07	12765415
6.199979	16.99529	-75.4877	37.83386	4146680	-1.6E+07	12765418
6.399979	22.47297	-75.4877	37.83386	4146682	-1.6E+07	12765421
6.599979	28.23452	-75.4877	37.83386	4146683	-1.6E+07	12765424
6.799979	34.28131	-75.4877	37.83386	4146685	-1.6E+07	12765427
6.999979	40.61474	-75.4877	37.83385	4146687	-1.6E+07	12765430
7.199979	47.23611	-75.4877	37.83385	4146689	-1.6E+07	12765434
7.399979	54.1467	-75.4877	37.83385	4146691	-1.6E+07	12765437
7.599979	61.34794	-75.4877	37.83385	4146693	-1.6E+07	12765441
7.799979	68.84086	-75.4877	37.83385	4146695	-1.6E+07	12765445
7.999979	76.62668	-75.4877	37.83384	4146697	-1.6E+07	12765449

8.199979	84.70669	-75.4877	37.83384	4146699	-1.6E+07	12765454
8.399979	93.08213	-75.4877	37.83384	4146701	-1.6E+07	12765458
8.599979	101.7543	-75.4877	37.83384	4146704	-1.6E+07	12765463
8.799979	110.7245	-75.4877	37.83384	4146706	-1.6E+07	12765468
8.999979	119.9939	-75.4877	37.83383	4146709	-1.6E+07	12765473
9.199979	129.5638	-75.4877	37.83383	4146711	-1.6E+07	12765478
9.399979	139.4355	-75.4877	37.83383	4146714	-1.6E+07	12765484
9.599979	149.6102	-75.4877	37.83383	4146716	-1.6E+07	12765489
9.799979	160.0892	-75.4876	37.83382	4146719	-1.6E+07	12765495
9.999979	170.8739	-75.4876	37.83382	4146722	-1.6E+07	12765501
10.19998	181.9653	-75.4876	37.83382	4146725	-1.6E+07	12765507
10.39998	193.3649	-75.4876	37.83382	4146728	-1.6E+07	12765514
10.59998	205.0739	-75.4876	37.83382	4146731	-1.6E+07	12765520
10.79998	217.0936	-75.4876	37.83381	4146734	-1.6E+07	12765527
10.99998	229.4252	-75.4876	37.83381	4146738	-1.6E+07	12765534
11.19998	242.0701	-75.4876	37.83381	4146741	-1.6E+07	12765541
11.39998	255.0295	-75.4876	37.83381	4146744	-1.6E+07	12765548
11.59998	268.3048	-75.4876	37.8338	4146748	-1.6E+07	12765556
11.79998	281.8971	-75.4876	37.8338	4146752	-1.6E+07	12765563
11.99998	295.8078	-75.4876	37.8338	4146755	-1.6E+07	12765571
12.19998	310.0381	-75.4876	37.8338	4146759	-1.6E+07	12765579
12.39998	324.5895	-75.4876	37.8338	4146763	-1.6E+07	12765587
12.59998	339.4632	-75.4876	37.83379	4146767	-1.6E+07	12765596
12.79998	354.6604	-75.4876	37.83379	4146771	-1.6E+07	12765604
12.99998	370.1825	-75.4876	37.83379	4146775	-1.6E+07	12765613
13.19998	386.0309	-75.4876	37.83379	4146779	-1.6E+07	12765622
13.39998	402.2067	-75.4876	37.83378	4146783	-1.6E+07	12765631
13.59998	418.7114	-75.4876	37.83378	4146788	-1.6E+07	12765641
13.79998	435.5461	-75.4876	37.83378	4146792	-1.6E+07	12765650
13.99998	452.7122	-75.4876	37.83378	4146797	-1.6E+07	12765660
14.19998	470.2111	-75.4876	37.83377	4146802	-1.6E+07	12765670
14.39998	488.0441	-75.4876	37.83377	4146806	-1.6E+07	12765680
14.59998	506.2126	-75.4876	37.83377	4146811	-1.6E+07	12765691
14.79998	524.7178	-75.4876	37.83377	4146816	-1.6E+07	12765701
14.99998	543.561	-75.4876	37.83376	4146821	-1.6E+07	12765712
15.19998	562.7436	-75.4876	37.83376	4146826	-1.6E+07	12765723
15.39998	582.2669	-75.4876	37.83376	4146832	-1.6E+07	12765734
15.59998	602.1322	-75.4876	37.83375	4146837	-1.6E+07	12765746
15.79998	622.341	-75.4875	37.83375	4146842	-1.6E+07	12765757
15.99998	642.8945	-75.4875	37.83375	4146848	-1.6E+07	12765769
16.19998	663.7942	-75.4875	37.83375	4146854	-1.6E+07	12765781
16.39998	685.0414	-75.4875	37.83374	4146859	-1.6E+07	12765794
16.59998	706.6373	-75.4875	37.83374	4146865	-1.6E+07	12765806
16.79998	728.5835	-75.4875	37.83374	4146871	-1.6E+07	12765819
16.99998	750.8813	-75.4875	37.83373	4146877	-1.6E+07	12765831
17.19998	773.532	-75.4875	37.83373	4146883	-1.6E+07	12765844
17.39998	796.5369	-75.4875	37.83373	4146890	-1.6E+07	12765858

17.59998	819.8975	-75.4875	37.83373	4146896	-1.6E+07	12765871
17.79998	843.6152	-75.4875	37.83372	4146902	-1.6E+07	12765885
17.99998	867.6913	-75.4875	37.83372	4146909	-1.6E+07	12765899
18.19998	892.1275	-75.4875	37.83372	4146916	-1.6E+07	12765913
18.39998	916.9249	-75.4875	37.83371	4146923	-1.6E+07	12765927
18.59998	942.085	-75.4875	37.83371	4146930	-1.6E+07	12765942
18.79998	967.6091	-75.4875	37.83371	4146937	-1.6E+07	12765957
18.99998	993.4987	-75.4875	37.83337	4146944	-1.6E+07	12765971
19.19998	1019.755	-75.4875	37.83337	4146951	-1.6E+07	12765987
19.39998	1046.38	-75.4874	37.83337	4146959	-1.6E+07	12766002
19.59998	1073.375	-75.4874	37.83369	4146966	-1.6E+07	12766018
19.79998	1100.741	-75.4874	37.83369	4146974	-1.6E+07	12766034
19.99998	1128.48	-75.4874	37.83369	4146981	-1.6E+07	12766050
20.19998	1156.593	-75.4874	37.83368	4146989	-1.6E+07	12766066
20.39998	1185.081	-75.4874	37.83368	4146997	-1.6E+07	12766082
20.59998	1213.947	-75.4874	37.83368	4147005	-1.6E+07	12766099
20.79998	1243.191	-75.4874	37.83367	4147014	-1.6E+07	12766116
20.99998	1272.816	-75.4874	37.83367	4147022	-1.6E+07	12766133
21.19998	1302.822	-75.4874	37.83367	4147031	-1.6E+07	12766151
21.39998	1333.211	-75.4874	37.83366	4147039	-1.6E+07	12766168
21.59998	1363.985	-75.4874	37.83366	4147048	-1.6E+07	12766186
21.79998	1395.145	-75.4873	37.83366	4147057	-1.6E+07	12766204
21.99998	1426.692	-75.4873	37.83365	4147066	-1.6E+07	12766222
22.19998	1458.629	-75.4873	37.83365	4147075	-1.6E+07	12766241
22.39998	1490.957	-75.4873	37.83365	4147084	-1.6E+07	12766260
22.59998	1523.677	-75.4873	37.83364	4147093	-1.6E+07	12766279
22.79998	1556.791	-75.4873	37.83364	4147103	-1.6E+07	12766298
22.99998	1590.3	-75.4873	37.83363	4147113	-1.6E+07	12766317
23.19998	1624.206	-75.4873	37.83363	4147122	-1.6E+07	12766337
23.39998	1658.511	-75.4873	37.83363	4147132	-1.6E+07	12766357
23.59998	1693.216	-75.4873	37.83362	4147142	-1.6E+07	12766377
23.79998	1728.324	-75.4872	37.83362	4147153	-1.6E+07	12766397
23.99998	1763.834	-75.4872	37.83361	4147163	-1.6E+07	12766418
24.19998	1799.75	-75.4872	37.83361	4147173	-1.6E+07	12766439
24.39998	1836.07	-75.4872	37.83361	4147184	-1.6E+07	12766460
24.59998	1872.787	-75.4872	37.83336	4147195	-1.6E+07	12766481
24.79998	1909.891	-75.4872	37.83336	4147206	-1.6E+07	12766503
24.99998	1947.369	-75.4872	37.83359	4147217	-1.6E+07	12766525
25.19998	1985.209	-75.4872	37.83359	4147228	-1.6E+07	12766547
25.39998	2023.401	-75.4872	37.83358	4147239	-1.6E+07	12766569
25.59998	2061.944	-75.4871	37.83358	4147250	-1.6E+07	12766591
25.79998	2100.839	-75.4871	37.83358	4147262	-1.6E+07	12766614
25.99998	2140.087	-75.4871	37.83357	4147274	-1.6E+07	12766636
26.19998	2179.69	-75.4871	37.83357	4147285	-1.6E+07	12766659
26.39998	2219.651	-75.4871	37.83356	4147297	-1.6E+07	12766683
26.59998	2259.969	-75.4871	37.83356	4147309	-1.6E+07	12766706
26.79998	2300.647	-75.4871	37.83355	4147321	-1.6E+07	12766730

26.99998	2341.686	-75.487	37.83355	4147334	-1.6E+07	12766753
27.19998	2383.089	-75.487	37.83354	4147346	-1.6E+07	12766778
27.39998	2424.856	-75.487	37.83354	4147359	-1.6E+07	12766802
27.59998	2466.989	-75.487	37.83353	4147371	-1.6E+07	12766826
27.79998	2509.489	-75.487	37.83353	4147384	-1.6E+07	12766851
27.99998	2552.359	-75.487	37.83352	4147397	-1.6E+07	12766876
28.19998	2595.599	-75.487	37.83352	4147410	-1.6E+07	12766901
28.39998	2639.212	-75.4869	37.83351	4147424	-1.6E+07	12766926
28.59998	2683.2	-75.4869	37.83351	4147437	-1.6E+07	12766952
28.79998	2727.563	-75.4869	37.8335	4147451	-1.6E+07	12766977
28.99998	2772.305	-75.4869	37.8335	4147464	-1.6E+07	12767003
29.19998	2817.425	-75.4869	37.83349	4147478	-1.6E+07	12767030
29.39998	2862.927	-75.4869	37.83349	4147492	-1.6E+07	12767056
29.59998	2908.812	-75.4868	37.83348	4147506	-1.6E+07	12767083
29.79998	2955.082	-75.4868	37.83348	4147521	-1.6E+07	12767110
29.99998	3001.737	-75.4868	37.83347	4147535	-1.6E+07	12767137
30.04998	3013.462	-75.4868	37.83347	4147539	-1.6E+07	12767143
30.19998	3048.781	-75.4868	37.83347	4147550	-1.6E+07	12767164
30.24998	3060.602	-75.4868	37.83347	4147553	-1.6E+07	12767171
30.39998	3096.214	-75.4868	37.83346	4147565	-1.6E+07	12767191
30.59998	3144.038	-75.4868	37.83346	4147579	-1.6E+07	12767219
30.79998	3192.255	-75.4867	37.83345	4147594	-1.6E+07	12767247
30.99998	3240.867	-75.4867	37.83344	4147610	-1.6E+07	12767275
31.19998	3289.874	-75.4867	37.83344	4147625	-1.6E+07	12767304
31.39998	3339.28	-75.4867	37.83343	4147641	-1.6E+07	12767332
31.59998	3389.085	-75.4867	37.83343	4147656	-1.6E+07	12767361
31.79998	3439.29	-75.4866	37.83342	4147672	-1.6E+07	12767390
31.99998	3489.899	-75.4866	37.83342	4147688	-1.6E+07	12767420
32.19998	3540.911	-75.4866	37.83341	4147704	-1.6E+07	12767449
32.39998	3592.33	-75.4866	37.8334	4147720	-1.6E+07	12767479
32.59998	3644.156	-75.4866	37.8334	4147737	-1.6E+07	12767509
32.79998	3696.391	-75.4865	37.83339	4147754	-1.6E+07	12767539
32.99998	3749.037	-75.4865	37.83339	4147770	-1.6E+07	12767570
33.19998	3802.094	-75.4865	37.83338	4147787	-1.6E+07	12767601
33.39998	3855.566	-75.4865	37.83337	4147804	-1.6E+07	12767632
33.59998	3909.454	-75.4865	37.83337	4147822	-1.6E+07	12767663
33.79998	3963.758	-75.4864	37.83336	4147839	-1.6E+07	12767694
33.99998	4018.482	-75.4864	37.83335	4147857	-1.6E+07	12767726
34.19998	4073.625	-75.4864	37.83335	4147875	-1.6E+07	12767758
34.39998	4129.191	-75.4864	37.83334	4147892	-1.6E+07	12767790
34.59998	4185.181	-75.4863	37.83333	4147911	-1.6E+07	12767823
34.79998	4241.596	-75.4863	37.83333	4147929	-1.6E+07	12767855
34.99998	4298.438	-75.4863	37.83332	4147947	-1.6E+07	12767888
35.19998	4355.709	-75.4863	37.83331	4147966	-1.6E+07	12767922
35.39998	4413.41	-75.4862	37.83331	4147985	-1.6E+07	12767955
35.59998	4471.544	-75.4862	37.8333	4148004	-1.6E+07	12767989
35.79998	4530.111	-75.4862	37.83329	4148023	-1.6E+07	12768023

35.99998	4589.113	-75.4862	37.83329	4148042	-1.6E+07	12768057
36.19998	4648.553	-75.4861	37.83328	4148062	-1.6E+07	12768091
36.39998	4708.431	-75.4861	37.83327	4148081	-1.6E+07	12768126
36.59998	4768.75	-75.4861	37.83326	4148101	-1.6E+07	12768161
36.79998	4829.511	-75.4861	37.83326	4148121	-1.6E+07	12768196
36.99998	4890.716	-75.486	37.83325	4148142	-1.6E+07	12768231
37.19998	4952.366	-75.486	37.83324	4148162	-1.6E+07	12768267
37.39998	5014.464	-75.486	37.83324	4148183	-1.6E+07	12768303
37.59998	5077.011	-75.4859	37.83323	4148203	-1.6E+07	12768339
37.79998	5140.009	-75.4859	37.83322	4148224	-1.6E+07	12768376
37.99998	5203.459	-75.4859	37.83321	4148246	-1.6E+07	12768412
38.19998	5267.363	-75.4859	37.8332	4148267	-1.6E+07	12768449
38.39998	5331.724	-75.4858	37.8332	4148288	-1.6E+07	12768487
38.59998	5396.542	-75.4858	37.83319	4148310	-1.6E+07	12768524
38.79998	5461.82	-75.4858	37.83318	4148332	-1.6E+07	12768562
38.99998	5527.559	-75.4857	37.83317	4148354	-1.6E+07	12768600
39.19998	5593.761	-75.4857	37.83317	4148376	-1.6E+07	12768638
39.39998	5660.428	-75.4857	37.83316	4148399	-1.6E+07	12768677
39.59998	5727.561	-75.4856	37.83315	4148422	-1.6E+07	12768716
39.79998	5795.163	-75.4856	37.83314	4148444	-1.6E+07	12768755
39.99998	5863.235	-75.4856	37.83313	4148468	-1.6E+07	12768794
40.04998	5880.326	-75.4856	37.83313	4148473	-1.6E+07	12768804
40.19998	5931.779	-75.4855	37.83312	4148491	-1.6E+07	12768834
40.24998	5948.989	-75.4855	37.83312	4148497	-1.6E+07	12768844
40.39998	6000.797	-75.4855	37.83312	4148514	-1.6E+07	12768873
40.59998	6070.29	-75.4855	37.83311	4148538	-1.6E+07	12768914
40.79998	6140.261	-75.4854	37.8331	4148562	-1.6E+07	12768954
40.99998	6210.71	-75.4854	37.83309	4148586	-1.6E+07	12768995
41.19998	6281.641	-75.4854	37.83308	4148610	-1.6E+07	12769036
41.39998	6353.055	-75.4853	37.83307	4148635	-1.6E+07	12769077
41.59998	6424.953	-75.4853	37.83306	4148659	-1.6E+07	12769119
41.79998	6497.338	-75.4853	37.83305	4148684	-1.6E+07	12769160
41.99998	6570.21	-75.4852	37.83305	4148709	-1.6E+07	12769203
42.19998	6643.573	-75.4852	37.83304	4148735	-1.6E+07	12769245
42.39998	6717.427	-75.4852	37.83303	4148760	-1.6E+07	12769288
42.59998	6791.776	-75.4851	37.83302	4148786	-1.6E+07	12769331
42.79998	6866.62	-75.4851	37.83301	4148812	-1.6E+07	12769374
42.99998	6941.961	-75.485	37.833	4148838	-1.6E+07	12769417
43.19998	7017.802	-75.485	37.83299	4148864	-1.6E+07	12769461
43.39998	7094.145	-75.485	37.83298	4148891	-1.6E+07	12769505
43.59998	7170.991	-75.4849	37.83297	4148918	-1.6E+07	12769549
43.79998	7248.342	-75.4849	37.83296	4148945	-1.6E+07	12769594
43.99998	7326.2	-75.4848	37.83295	4148972	-1.6E+07	12769639
44.19998	7404.564	-75.4848	37.83294	4148999	-1.6E+07	12769684
44.39998	7483.438	-75.4848	37.83293	4149027	-1.6E+07	12769730
44.59998	7562.821	-75.4847	37.83292	4149055	-1.6E+07	12769776
44.79998	7642.715	-75.4847	37.83291	4149083	-1.6E+07	12769821

44.99998	7723.121	-75.4846	37.8329	4149111	-1.6E+07	12769868
45.19998	7804.038	-75.4846	37.83289	4149140	-1.6E+07	12769914
45.39998	7885.47	-75.4845	37.83288	4149169	-1.6E+07	12769961
45.59998	7967.416	-75.4845	37.83287	4149199	-1.6E+07	12770008
45.79998	8049.878	-75.4845	37.83285	4149228	-1.6E+07	12770055
45.99998	8132.859	-75.4844	37.83284	4149258	-1.6E+07	12770102
46.19998	8216.361	-75.4844	37.83283	4149288	-1.6E+07	12770150
46.39998	8300.386	-75.4843	37.83282	4149319	-1.6E+07	12770198
46.59998	8384.934	-75.4843	37.8328	4149350	-1.6E+07	12770246
46.79998	8470.008	-75.4842	37.83279	4149381	-1.6E+07	12770294
46.99998	8555.61	-75.4842	37.83278	4149412	-1.6E+07	12770343
47.19998	8641.741	-75.4841	37.83276	4149444	-1.6E+07	12770392
47.39998	8728.404	-75.4841	37.83275	4149476	-1.6E+07	12770441
47.59998	8815.601	-75.484	37.83273	4149508	-1.6E+07	12770490
47.79998	8903.334	-75.484	37.83272	4149541	-1.6E+07	12770539
47.99998	8991.602	-75.4839	37.8327	4149574	-1.6E+07	12770589
48.19998	9080.409	-75.4839	37.83269	4149607	-1.6E+07	12770639
48.39998	9169.755	-75.4838	37.83267	4149641	-1.6E+07	12770689
48.59998	9259.645	-75.4838	37.83265	4149675	-1.6E+07	12770740
48.79998	9350.078	-75.4837	37.83264	4149709	-1.6E+07	12770790
48.99998	9441.057	-75.4836	37.83262	4149744	-1.6E+07	12770841
49.19997	9532.582	-75.4836	37.8326	4149779	-1.6E+07	12770892
49.39997	9624.655	-75.4835	37.83259	4149814	-1.6E+07	12770944
49.59997	9717.279	-75.4835	37.83257	4149849	-1.6E+07	12770995
49.79997	9810.455	-75.4834	37.83255	4149885	-1.6E+07	12771047
49.99997	9904.185	-75.4834	37.83253	4149922	-1.6E+07	12771099
50.19997	9998.469	-75.4833	37.83251	4149958	-1.6E+07	12771151
50.39997	10093.31	-75.4832	37.83249	4149995	-1.6E+07	12771204
50.59997	10188.71	-75.4832	37.83247	4150033	-1.6E+07	12771257
50.79997	10284.67	-75.4831	37.83245	4150071	-1.6E+07	12771310
50.99997	10381.2	-75.483	37.83243	4150109	-1.6E+07	12771363
51.19997	10478.28	-75.483	37.83241	4150147	-1.6E+07	12771416
51.39997	10575.93	-75.4829	37.83239	4150186	-1.6E+07	12771470
51.59997	10674.15	-75.4828	37.83237	4150225	-1.6E+07	12771524
51.79997	10772.94	-75.4828	37.83234	4150265	-1.6E+07	12771578
51.99997	10872.3	-75.4827	37.83232	4150305	-1.6E+07	12771633
52.19997	10972.23	-75.4826	37.8323	4150345	-1.6E+07	12771687
52.39997	11072.73	-75.4826	37.83227	4150386	-1.6E+07	12771742
52.59997	11173.81	-75.4825	37.83225	4150427	-1.6E+07	12771797
52.79997	11275.47	-75.4824	37.83222	4150468	-1.6E+07	12771852
52.99997	11377.7	-75.4824	37.8322	4150510	-1.6E+07	12771908
53.19997	11480.52	-75.4823	37.83217	4150552	-1.6E+07	12771963
53.39997	11583.92	-75.4822	37.83215	4150595	-1.6E+07	12772019
53.59997	11687.9	-75.4821	37.83212	4150638	-1.6E+07	12772076
53.79997	11792.47	-75.4821	37.83209	4150682	-1.6E+07	12772132
53.99997	11897.62	-75.482	37.83207	4150726	-1.6E+07	12772189
54.19997	12003.37	-75.4819	37.83204	4150770	-1.6E+07	12772246

54.39997	12109.7	-75.4818	37.83201	4150815	-1.6E+07	12772303
54.59997	12216.63	-75.4817	37.83198	4150860	-1.6E+07	12772360
54.79997	12324.15	-75.4817	37.83195	4150906	-1.6E+07	12772417
54.99997	12432.27	-75.4816	37.83192	4150952	-1.6E+07	12772475
55.19997	12540.98	-75.4815	37.83189	4150998	-1.6E+07	12772533
55.39997	12650.29	-75.4814	37.83186	4151045	-1.6E+07	12772591
55.59997	12760.21	-75.4813	37.83183	4151092	-1.6E+07	12772650
55.79997	12870.72	-75.4812	37.8318	4151140	-1.6E+07	12772709
55.99997	12981.84	-75.4812	37.83177	4151188	-1.6E+07	12772767
56.19997	13093.57	-75.4811	37.83173	4151237	-1.6E+07	12772826
56.39997	13205.9	-75.481	37.8317	4151286	-1.6E+07	12772886
56.59997	13318.84	-75.4809	37.83167	4151336	-1.6E+07	12772945
56.79997	13432.39	-75.4808	37.83163	4151386	-1.6E+07	12773005
56.99997	13546.56	-75.4807	37.8316	4151436	-1.6E+07	12773065
57.19997	13661.33	-75.4806	37.83156	4151487	-1.6E+07	12773125
57.39997	13776.73	-75.4805	37.83153	4151539	-1.6E+07	12773186
57.59997	13892.73	-75.4804	37.83149	4151590	-1.6E+07	12773246
57.79997	14009.36	-75.4803	37.83145	4151643	-1.6E+07	12773307
57.99997	14126.61	-75.4802	37.83141	4151696	-1.6E+07	12773368
58.19997	14244.48	-75.4801	37.83138	4151749	-1.6E+07	12773429
58.39997	14362.97	-75.48	37.83134	4151803	-1.6E+07	12773491
58.59997	14482.09	-75.4799	37.8313	4151857	-1.6E+07	12773552
58.79997	14601.83	-75.4798	37.83126	4151912	-1.6E+07	12773614
58.99997	14722.2	-75.4797	37.83122	4151968	-1.6E+07	12773676
59.19997	14843.2	-75.4796	37.83117	4152023	-1.6E+07	12773738
59.39997	14964.83	-75.4795	37.83113	4152080	-1.6E+07	12773801
59.59997	15087.1	-75.4794	37.83109	4152137	-1.6E+07	12773864
59.79997	15209.99	-75.4793	37.83105	4152194	-1.6E+07	12773927
59.99997	15333.53	-75.4792	37.831	4152252	-1.6E+07	12773990
60.19997	15457.7	-75.4791	37.83096	4152310	-1.6E+07	12774053
60.39997	15582.51	-75.4789	37.83091	4152369	-1.6E+07	12774116
60.59997	15707.96	-75.4788	37.83087	4152429	-1.6E+07	12774180
60.79997	15834.06	-75.4787	37.83082	4152489	-1.6E+07	12774244
60.99997	15960.79	-75.4786	37.83077	4152550	-1.6E+07	12774308
61.19997	16088.18	-75.4785	37.83072	4152611	-1.6E+07	12774372
61.39997	16216.2	-75.4784	37.83068	4152672	-1.6E+07	12774437
61.59997	16344.88	-75.4782	37.83063	4152735	-1.6E+07	12774502
61.79997	16474.2	-75.4781	37.83058	4152798	-1.6E+07	12774566
61.99997	16604.17	-75.478	37.83052	4152861	-1.6E+07	12774631
62.19997	16734.79	-75.4779	37.83047	4152925	-1.6E+07	12774697
62.39997	16866.07	-75.4777	37.83042	4152989	-1.6E+07	12774762
62.59997	16998	-75.4776	37.83037	4153054	-1.6E+07	12774828
62.79997	17130.58	-75.4775	37.83031	4153120	-1.6E+07	12774893
62.99997	17263.81	-75.4773	37.83026	4153186	-1.6E+07	12774959
63.19997	17397.71	-75.4772	37.8302	4153253	-1.6E+07	12775026
63.39997	17532.26	-75.4771	37.83015	4153320	-1.6E+07	12775092
63.59997	17667.47	-75.4769	37.83009	4153388	-1.6E+07	12775158

63.79997	17803.34	-75.4768	37.83003	4153457	-1.6E+07	12775225
63.99997	17939.88	-75.4767	37.82997	4153526	-1.6E+07	12775292
64.19997	18077.07	-75.4765	37.82991	4153596	-1.6E+07	12775359
64.39997	18214.93	-75.4764	37.82985	4153666	-1.6E+07	12775426
64.59997	18353.46	-75.4762	37.82979	4153737	-1.6E+07	12775494
64.79997	18492.65	-75.4761	37.82973	4153809	-1.6E+07	12775561
64.99997	18632.5	-75.476	37.82967	4153881	-1.6E+07	12775629
65.19997	18773.03	-75.4758	37.8296	4153954	-1.6E+07	12775697
65.39997	18914.22	-75.4757	37.82954	4154028	-1.6E+07	12775765
65.59997	19056.07	-75.4755	37.82947	4154102	-1.6E+07	12775833
65.79997	19198.56	-75.4753	37.82941	4154177	-1.6E+07	12775901
65.99997	19341.67	-75.4752	37.82934	4154252	-1.6E+07	12775970
66.19997	19485.4	-75.475	37.82927	4154328	-1.6E+07	12776038
66.39997	19629.72	-75.4749	37.8292	4154405	-1.6E+07	12776107
66.59997	19774.64	-75.4747	37.82913	4154482	-1.6E+07	12776176
66.79997	19920.16	-75.4746	37.82906	4154560	-1.6E+07	12776245
66.99997	20066.27	-75.4744	37.82899	4154638	-1.6E+07	12776314
67.19997	20212.98	-75.4742	37.82892	4154717	-1.6E+07	12776383
67.39997	20360.29	-75.4741	37.82885	4154797	-1.6E+07	12776452
67.59997	20508.2	-75.4739	37.82877	4154877	-1.6E+07	12776521
67.79997	20656.71	-75.4737	37.8287	4154958	-1.6E+07	12776591
67.99997	20805.82	-75.4736	37.82862	4155040	-1.6E+07	12776660
68.19997	20955.53	-75.4734	37.82854	4155122	-1.6E+07	12776730
68.39997	21105.84	-75.4732	37.82847	4155205	-1.6E+07	12776800
68.59997	21256.77	-75.473	37.82839	4155289	-1.6E+07	12776870
68.79997	21408.29	-75.4729	37.82831	4155373	-1.6E+07	12776940
68.99997	21560.43	-75.4727	37.82823	4155458	-1.6E+07	12777010
69.19997	21713.16	-75.4725	37.82815	4155543	-1.6E+07	12777080
69.39997	21866.51	-75.4723	37.82806	4155630	-1.6E+07	12777150
69.59997	22020.46	-75.4721	37.82798	4155717	-1.6E+07	12777220
69.79997	22175.03	-75.4719	37.82789	4155804	-1.6E+07	12777291
69.99997	22330.2	-75.4718	37.82781	4155892	-1.6E+07	12777361
70.19997	22485.98	-75.4716	37.82772	4155981	-1.6E+07	12777432
70.39997	22642.38	-75.4714	37.82763	4156071	-1.6E+07	12777502
70.59997	22799.39	-75.4712	37.82754	4156162	-1.6E+07	12777573
70.79997	22957.01	-75.471	37.82745	4156253	-1.6E+07	12777644
70.99997	23115.24	-75.4708	37.82736	4156344	-1.6E+07	12777714
71.19997	23274.08	-75.4706	37.82727	4156437	-1.6E+07	12777785
71.39997	23433.54	-75.4704	37.82718	4156530	-1.6E+07	12777856
71.59997	23593.61	-75.4702	37.82708	4156624	-1.6E+07	12777927
71.79997	23754.3	-75.47	37.82699	4156719	-1.6E+07	12777998
71.99997	23915.6	-75.4698	37.82689	4156814	-1.6E+07	12778069
72.19997	24077.52	-75.4696	37.82679	4156910	-1.6E+07	12778140
72.39997	24240.04	-75.4693	37.82669	4157007	-1.6E+07	12778211
72.59997	24403.18	-75.4691	37.82659	4157104	-1.6E+07	12778283
72.79997	24566.94	-75.4689	37.82649	4157203	-1.6E+07	12778354
72.99997	24731.31	-75.4687	37.82639	4157302	-1.6E+07	12778425

73.19997	24896.3	-75.4685	37.82629	4157402	-1.6E+07	12778497
73.39997	25061.9	-75.4683	37.82618	4157502	-1.6E+07	12778568
73.59997	25228.11	-75.468	37.82608	4157603	-1.6E+07	12778639
73.79997	25394.94	-75.4678	37.82597	4157705	-1.6E+07	12778711
73.99997	25562.38	-75.4676	37.82586	4157808	-1.6E+07	12778782
74.19997	25730.44	-75.4674	37.82575	4157912	-1.6E+07	12778854
74.39997	25899.11	-75.4671	37.82564	4158016	-1.6E+07	12778925
74.59997	26068.4	-75.4669	37.82553	4158121	-1.6E+07	12778997
74.79997	26238.29	-75.4667	37.82541	4158227	-1.6E+07	12779068
74.99997	26408.81	-75.4664	37.8253	4158334	-1.6E+07	12779140
75.19997	26579.94	-75.4662	37.82518	4158441	-1.6E+07	12779211
75.39997	26751.68	-75.4659	37.82507	4158550	-1.6E+07	12779283
75.59997	26924.03	-75.4657	37.82495	4158659	-1.6E+07	12779354
75.79997	27097	-75.4655	37.82483	4158769	-1.6E+07	12779426
75.99997	27270.58	-75.4652	37.82471	4158879	-1.6E+07	12779497
76.19997	27444.77	-75.465	37.82458	4158991	-1.6E+07	12779569
76.39997	27619.58	-75.4647	37.82446	4159103	-1.6E+07	12779640
76.59997	27795	-75.4644	37.82433	4159216	-1.6E+07	12779712
76.79997	27971.02	-75.4642	37.82421	4159330	-1.6E+07	12779783
76.99997	28147.66	-75.4639	37.82408	4159445	-1.6E+07	12779855
77.19997	28324.91	-75.4637	37.82395	4159560	-1.6E+07	12779926
77.39997	28502.77	-75.4634	37.82382	4159677	-1.6E+07	12779998
77.59997	28681.23	-75.4631	37.82369	4159794	-1.6E+07	12780069
77.79997	28860.31	-75.4629	37.82355	4159912	-1.6E+07	12780140
77.99997	29039.99	-75.4626	37.82342	4160031	-1.6E+07	12780212
78.19997	29220.27	-75.4623	37.82328	4160151	-1.6E+07	12780283
78.39997	29401.17	-75.4621	37.82314	4160271	-1.6E+07	12780354
78.59997	29582.66	-75.4618	37.823	4160393	-1.6E+07	12780425
78.79997	29764.75	-75.4615	37.82286	4160515	-1.6E+07	12780496
78.99997	29947.45	-75.4612	37.82272	4160638	-1.6E+07	12780567
79.19997	30130.75	-75.4609	37.82258	4160762	-1.6E+07	12780638
79.39997	30314.65	-75.4606	37.82243	4160887	-1.6E+07	12780709
79.59997	30499.15	-75.4604	37.82228	4161013	-1.6E+07	12780780
79.79997	30684.24	-75.4601	37.82214	4161140	-1.6E+07	12780851
79.99997	30869.94	-75.4598	37.82199	4161267	-1.6E+07	12780921
80.04997	30916.45	-75.4597	37.82195	4161299	-1.6E+07	12780939
80.19997	31056.22	-75.4595	37.82183	4161396	-1.6E+07	12780992
80.24997	31102.89	-75.4594	37.8218	4161428	-1.6E+07	12781010
80.39997	31243.11	-75.4592	37.82168	4161525	-1.6E+07	12781063
80.59997	31430.59	-75.4589	37.82153	4161655	-1.6E+07	12781133
80.79997	31618.65	-75.4586	37.82137	4161786	-1.6E+07	12781203
80.99997	31807.31	-75.4583	37.82121	4161918	-1.6E+07	12781274
81.19997	31996.56	-75.458	37.82105	4162051	-1.6E+07	12781344
81.39997	32186.41	-75.4576	37.82089	4162185	-1.6E+07	12781414
81.59997	32376.84	-75.4573	37.82073	4162319	-1.6E+07	12781484
81.79997	32567.87	-75.457	37.82057	4162455	-1.6E+07	12781554
81.99997	32759.48	-75.4567	37.8204	4162591	-1.6E+07	12781624

82.19997	32951.69	-75.4564	37.82023	4162729	-1.6E+07	12781693
82.39997	33144.48	-75.4561	37.82007	4162867	-1.6E+07	12781763
82.59997	33337.87	-75.4557	37.81989	4163006	-1.6E+07	12781832
82.79997	33531.85	-75.4554	37.81972	4163147	-1.6E+07	12781901
82.99997	33726.42	-75.4551	37.81955	4163288	-1.6E+07	12781971
83.19997	33921.58	-75.4547	37.81937	4163430	-1.6E+07	12782040
83.39997	34117.33	-75.4544	37.8192	4163573	-1.6E+07	12782109
83.59997	34313.68	-75.4541	37.81902	4163717	-1.6E+07	12782177
83.79997	34510.61	-75.4537	37.81884	4163862	-1.6E+07	12782246
83.99997	34708.13	-75.4534	37.81865	4164008	-1.6E+07	12782315
84.19997	34906.25	-75.453	37.81847	4164154	-1.6E+07	12782383
84.39997	35104.95	-75.4527	37.81828	4164302	-1.6E+07	12782451
84.59997	35304.25	-75.4523	37.8181	4164451	-1.6E+07	12782519
84.79997	35504.13	-75.452	37.81791	4164601	-1.6E+07	12782587
84.99997	35704.6	-75.4516	37.81771	4164752	-1.6E+07	12782655
85.19997	35905.67	-75.4513	37.81752	4164903	-1.6E+07	12782723
85.39997	36107.32	-75.4509	37.81733	4165056	-1.6E+07	12782790
85.59997	36309.57	-75.4505	37.81713	4165210	-1.6E+07	12782858
85.79997	36512.4	-75.4502	37.81693	4165364	-1.6E+07	12782925
85.99997	36715.82	-75.4498	37.81673	4165520	-1.6E+07	12782992
86.19997	36919.83	-75.4494	37.81653	4165677	-1.6E+07	12783059
86.39997	37124.43	-75.449	37.81632	4165835	-1.6E+07	12783125
86.59997	37329.63	-75.4486	37.81612	4165993	-1.6E+07	12783192
86.79997	37535.41	-75.4483	37.81591	4166153	-1.6E+07	12783258
86.99997	37741.78	-75.4479	37.8157	4166314	-1.6E+07	12783324
87.19997	37948.73	-75.4475	37.81549	4166476	-1.6E+07	12783390
87.39997	38156.28	-75.4471	37.81528	4166639	-1.6E+07	12783456
87.59997	38364.42	-75.4467	37.81506	4166803	-1.6E+07	12783521
87.79997	38573.14	-75.4463	37.81484	4166968	-1.6E+07	12783587
87.99997	38782.45	-75.4459	37.81462	4167134	-1.6E+07	12783652
88.19997	38992.35	-75.4455	37.8144	4167301	-1.6E+07	12783717
88.39997	39202.84	-75.4451	37.81418	4167469	-1.6E+07	12783781
88.59997	39413.92	-75.4447	37.81395	4167638	-1.6E+07	12783846
88.79997	39625.58	-75.4443	37.81373	4167809	-1.6E+07	12783910
88.99997	39837.83	-75.4439	37.8135	4167980	-1.6E+07	12783974
89.19997	40050.67	-75.4434	37.81327	4168152	-1.6E+07	12784038
89.39997	40264.09	-75.443	37.81303	4168326	-1.6E+07	12784102
89.59997	40478.1	-75.4426	37.8128	4168501	-1.6E+07	12784165
89.79997	40692.69	-75.4422	37.81256	4168677	-1.6E+07	12784229
89.99997	40907.87	-75.4417	37.81232	4168853	-1.6E+07	12784292
90.04997	40961.76	-75.4416	37.81226	4168898	-1.6E+07	12784307
90.19997	41123.63	-75.4413	37.81208	4169031	-1.6E+07	12784354
90.24997	41177.67	-75.4412	37.81202	4169076	-1.6E+07	12784370
90.39997	41339.98	-75.4409	37.81184	4169211	-1.6E+07	12784417
90.59997	41556.91	-75.4404	37.81159	4169391	-1.6E+07	12784479
90.79997	41774.42	-75.44	37.81135	4169572	-1.6E+07	12784541
90.99997	41992.51	-75.4395	37.8111	4169755	-1.6E+07	12784603

91.19997	42211.17	-75.4391	37.81084	4169938	-1.6E+07	12784664
91.39997	42430.41	-75.4386	37.81059	4170123	-1.6E+07	12784725
91.59997	42650.23	-75.4382	37.81033	4170309	-1.6E+07	12784786
91.79997	42870.63	-75.4377	37.81008	4170496	-1.6E+07	12784847
91.99997	43091.61	-75.4373	37.80982	4170685	-1.6E+07	12784908
92.19997	43313.15	-75.4368	37.80955	4170874	-1.6E+07	12784968
92.39997	43535.27	-75.4363	37.80929	4171065	-1.6E+07	12785028
92.59997	43757.96	-75.4358	37.80902	4171257	-1.6E+07	12785087
92.79997	43981.22	-75.4354	37.80875	4171450	-1.6E+07	12785147
92.99997	44205.06	-75.4349	37.80848	4171644	-1.6E+07	12785206
93.19997	44429.46	-75.4344	37.80821	4171839	-1.6E+07	12785264
93.39997	44654.42	-75.4339	37.80793	4172036	-1.6E+07	12785323
93.59997	44879.96	-75.4334	37.80765	4172234	-1.6E+07	12785381
93.79997	45106.06	-75.4329	37.80737	4172433	-1.6E+07	12785439
93.99997	45332.73	-75.4324	37.80709	4172633	-1.6E+07	12785496
94.19997	45559.96	-75.4319	37.80681	4172835	-1.6E+07	12785553
94.39997	45787.74	-75.4314	37.80652	4173038	-1.6E+07	12785610
94.59997	46016.09	-75.4309	37.80623	4173242	-1.6E+07	12785667
94.79997	46245	-75.4304	37.80594	4173447	-1.6E+07	12785723
94.99997	46474.47	-75.4299	37.80564	4173654	-1.6E+07	12785779
95.19997	46704.49	-75.4294	37.80535	4173862	-1.6E+07	12785834
95.39997	46935.06	-75.4289	37.80505	4174071	-1.6E+07	12785889
95.59997	47166.18	-75.4283	37.80475	4174281	-1.6E+07	12785944
95.79997	47397.86	-75.4278	37.80445	4174493	-1.6E+07	12785999
95.99997	47630.09	-75.4273	37.80414	4174706	-1.6E+07	12786053
96.19997	47862.87	-75.4267	37.80383	4174920	-1.6E+07	12786107
96.39997	48096.19	-75.4262	37.80352	4175136	-1.6E+07	12786160
96.59997	48330.06	-75.4256	37.80321	4175353	-1.6E+07	12786213
96.79997	48564.47	-75.4251	37.80289	4175571	-1.6E+07	12786266
96.99997	48799.43	-75.4245	37.80257	4175790	-1.6E+07	12786318
97.19997	49034.93	-75.424	37.80225	4176011	-1.6E+07	12786370
97.39997	49270.96	-75.4234	37.80193	4176234	-1.6E+07	12786422
97.59997	49507.53	-75.4229	37.80161	4176457	-1.6E+07	12786473
97.79997	49744.64	-75.4223	37.80128	4176682	-1.6E+07	12786524
97.99997	49982.29	-75.4217	37.80095	4176908	-1.6E+07	12786574
98.19997	50220.46	-75.4211	37.80061	4177136	-1.6E+07	12786624
98.39997	50459.17	-75.4206	37.80028	4177365	-1.6E+07	12786674
98.59997	50698.4	-75.42	37.79994	4177595	-1.6E+07	12786723
98.79997	50938.16	-75.4194	37.7996	4177827	-1.6E+07	12786771
98.99997	51178.45	-75.4188	37.79926	4178060	-1.6E+07	12786820
99.19997	51419.26	-75.4182	37.79891	4178295	-1.6E+07	12786868
99.39997	51660.58	-75.4176	37.79856	4178531	-1.6E+07	12786915
99.59997	51902.43	-75.417	37.79821	4178768	-1.6E+07	12786962
99.79997	52144.8	-75.4164	37.79786	4179007	-1.6E+07	12787009
99.99997	52387.69	-75.4158	37.7975	4179247	-1.6E+07	12787055
100.2	52631.09	-75.4152	37.79714	4179489	-1.6E+07	12787101
100.4	52875.01	-75.4145	37.79678	4179732	-1.6E+07	12787146

100.6	53119.44	-75.4139	37.79642	4179976	-1.6E+07	12787191
100.8	53364.38	-75.4133	37.79605	4180222	-1.6E+07	12787235
101	53609.83	-75.4126	37.79568	4180470	-1.6E+07	12787279
101.2	53855.79	-75.412	37.79531	4180719	-1.6E+07	12787322
101.4	54102.25	-75.4114	37.79494	4180969	-1.6E+07	12787365
101.6	54349.22	-75.4107	37.79456	4181221	-1.6E+07	12787408
101.8	54596.69	-75.4101	37.79418	4181474	-1.6E+07	12787450
102	54844.67	-75.4094	37.7938	4181729	-1.6E+07	12787491
102.2	55093.15	-75.4087	37.79341	4181985	-1.6E+07	12787532
102.4	55342.12	-75.4081	37.79302	4182243	-1.6E+07	12787573
102.6	55591.59	-75.4074	37.79263	4182502	-1.6E+07	12787613
102.8	55841.56	-75.4067	37.79224	4182763	-1.6E+07	12787652
103	56092.02	-75.4061	37.79184	4183026	-1.6E+07	12787692
103.2	56342.97	-75.4054	37.79144	4183289	-1.6E+07	12787730
103.4	56594.41	-75.4047	37.79104	4183555	-1.6E+07	12787768
103.6	56846.34	-75.404	37.79063	4183822	-1.6E+07	12787806
103.8	57098.76	-75.4033	37.79023	4184090	-1.6E+07	12787843
104	57351.66	-75.4026	37.78982	4184360	-1.6E+07	12787879
104.2	57605.03	-75.4019	37.7894	4184632	-1.6E+07	12787915
104.4	57858.88	-75.4012	37.78899	4184905	-1.6E+07	12787950
104.6	58113.2	-75.4005	37.78857	4185180	-1.6E+07	12787985
104.8	58368.01	-75.3998	37.78814	4185456	-1.6E+07	12788019
105	58623.28	-75.399	37.78772	4185734	-1.6E+07	12788053
105.2	58879.03	-75.3983	37.78729	4186014	-1.6E+07	12788086
105.4	59135.23	-75.3976	37.78686	4186295	-1.6E+07	12788119
105.6	59391.91	-75.3968	37.78643	4186577	-1.6E+07	12788151
105.8	59649.05	-75.3961	37.78599	4186862	-1.6E+07	12788182
106	59906.66	-75.3953	37.78555	4187148	-1.6E+07	12788213
106.2	60164.72	-75.3946	37.78511	4187435	-1.6E+07	12788243
106.4	60423.25	-75.3938	37.78466	4187725	-1.6E+07	12788273
106.6	60682.23	-75.3931	37.78421	4188015	-1.6E+07	12788302
106.8	60941.67	-75.3923	37.78376	4188308	-1.6E+07	12788331
107	61201.56	-75.3915	37.7833	4188602	-1.6E+07	12788359
107.2	61461.9	-75.3907	37.78285	4188898	-1.6E+07	12788386
107.4	61722.69	-75.39	37.78239	4189195	-1.6E+07	12788413
107.6	61983.93	-75.3892	37.78192	4189495	-1.6E+07	12788439
107.8	62245.62	-75.3884	37.78145	4189795	-1.6E+07	12788464
108	62507.76	-75.3876	37.78098	4190098	-1.6E+07	12788489
108.2	62770.33	-75.3868	37.78051	4190402	-1.6E+07	12788514
108.4	63033.34	-75.386	37.78004	4190708	-1.6E+07	12788537
108.6	63296.79	-75.3852	37.77956	4191016	-1.6E+07	12788560
108.8	63560.68	-75.3843	37.77907	4191325	-1.6E+07	12788583
109	63825	-75.3835	37.77859	4191636	-1.6E+07	12788604
109.2	64089.76	-75.3827	37.7781	4191949	-1.6E+07	12788625
109.4	64354.94	-75.3819	37.77761	4192263	-1.6E+07	12788646
109.6	64620.56	-75.381	37.77711	4192579	-1.6E+07	12788666
109.8	64886.62	-75.3802	37.77661	4192897	-1.6E+07	12788685

110	65153.12	-75.3793	37.77611	4193217	-1.6E+07	12788703
110.2	65420.05	-75.3785	37.77561	4193538	-1.6E+07	12788721
110.4	65687.43	-75.3776	37.7751	4193862	-1.6E+07	12788738
110.6	65955.26	-75.3767	37.77459	4194187	-1.6E+07	12788755
110.8	66223.53	-75.3759	37.77408	4194513	-1.6E+07	12788771
111	66492.25	-75.375	37.77356	4194842	-1.6E+07	12788786
111.2	66761.42	-75.3741	37.77304	4195172	-1.6E+07	12788801
111.4	67031.03	-75.3732	37.77251	4195504	-1.6E+07	12788815
111.6	67301.1	-75.3723	37.77199	4195837	-1.6E+07	12788828
111.8	67571.62	-75.3715	37.77146	4196173	-1.6E+07	12788840
112	67842.59	-75.3705	37.77092	4196510	-1.6E+07	12788852
112.2	68114.01	-75.3696	37.77039	4196849	-1.6E+07	12788864
112.4	68385.88	-75.3687	37.76985	4197190	-1.6E+07	12788874
112.6	68658.21	-75.3678	37.7693	4197532	-1.6E+07	12788884
112.8	68930.99	-75.3669	37.76876	4197877	-1.6E+07	12788894
113	69204.22	-75.366	37.76821	4198223	-1.6E+07	12788902
113.2	69477.9	-75.365	37.76766	4198571	-1.6E+07	12788910
113.4	69752.03	-75.3641	37.7671	4198921	-1.6E+07	12788917
113.6	70026.6	-75.3631	37.76654	4199272	-1.6E+07	12788924
113.8	70301.64	-75.3622	37.76598	4199626	-1.6E+07	12788930
114	70577.12	-75.3612	37.76541	4199981	-1.6E+07	12788935
114.2	70853.05	-75.3603	37.76484	4200338	-1.6E+07	12788940
114.4	71129.43	-75.3593	37.76427	4200697	-1.6E+07	12788944
114.6	71406.26	-75.3583	37.76369	4201058	-1.6E+07	12788947
114.8	71683.55	-75.3574	37.76311	4201421	-1.6E+07	12788949
115	71961.29	-75.3564	37.76253	4201785	-1.6E+07	12788951
115.2	72239.48	-75.3554	37.76194	4202151	-1.6E+07	12788952
115.4	72518.11	-75.3544	37.76135	4202519	-1.6E+07	12788952
115.6	72797.2	-75.3534	37.76076	4202890	-1.6E+07	12788952
115.8	73076.75	-75.3524	37.76017	4203261	-1.6E+07	12788951
116	73356.76	-75.3514	37.75957	4203635	-1.6E+07	12788949
116.2	73637.22	-75.3504	37.75896	4204011	-1.6E+07	12788947
116.4	73918.13	-75.3493	37.75836	4204388	-1.6E+07	12788943
116.6	74199.49	-75.3483	37.75775	4204768	-1.6E+07	12788939
116.8	74481.32	-75.3473	37.75713	4205149	-1.6E+07	12788935
117	74763.61	-75.3462	37.75652	4205532	-1.6E+07	12788929
117.2	75046.35	-75.3452	37.7559	4205918	-1.6E+07	12788923
117.4	75329.55	-75.3441	37.75527	4206305	-1.6E+07	12788916
117.6	75613.21	-75.3431	37.75465	4206693	-1.6E+07	12788909
117.8	75897.33	-75.342	37.75401	4207084	-1.6E+07	12788901
118	76181.92	-75.3409	37.75338	4207477	-1.6E+07	12788892
118.2	76466.95	-75.3399	37.75274	4207872	-1.6E+07	12788882
118.4	76752.45	-75.3388	37.7521	4208268	-1.6E+07	12788871
118.6	77038.4	-75.3377	37.75146	4208667	-1.6E+07	12788860
118.8	77324.82	-75.3366	37.75081	4209067	-1.6E+07	12788848
119	77611.71	-75.3355	37.75016	4209470	-1.6E+07	12788836
119.2	77899.05	-75.3344	37.7495	4209874	-1.6E+07	12788822

119.4	78186.85	-75.3333	37.74884	4210281	-1.6E+07	12788808
119.6	78475.11	-75.3322	37.74818	4210689	-1.6E+07	12788793
119.8	78763.84	-75.3311	37.74752	4211099	-1.6E+07	12788777
120	79053.04	-75.3299	37.74685	4211511	-1.6E+07	12788761
120.2	79342.69	-75.3288	37.74617	4211926	-1.6E+07	12788744
120.4	79632.81	-75.3277	37.7455	4212342	-1.6E+07	12788726
120.6	79923.4	-75.3265	37.74482	4212760	-1.6E+07	12788707
120.8	80214.45	-75.3254	37.74413	4213180	-1.6E+07	12788688
121	80505.97	-75.3242	37.74345	4213602	-1.6E+07	12788667
121.2	80797.95	-75.3231	37.74275	4214026	-1.6E+07	12788646
121.4	81090.4	-75.3219	37.74206	4214452	-1.6E+07	12788624
121.6	81383.31	-75.3207	37.74136	4214880	-1.6E+07	12788602
121.8	81676.7	-75.3195	37.74066	4215311	-1.6E+07	12788579
122	81970.56	-75.3183	37.73995	4215743	-1.6E+07	12788554
122.2	82264.88	-75.3172	37.73924	4216177	-1.6E+07	12788530
122.4	82559.67	-75.316	37.73853	4216613	-1.6E+07	12788504
122.6	82854.94	-75.3148	37.73781	4217051	-1.6E+07	12788477
122.8	83150.69	-75.3135	37.73709	4217491	-1.6E+07	12788450
123	83446.9	-75.3123	37.73637	4217934	-1.6E+07	12788422
123.2	83743.59	-75.3111	37.73564	4218378	-1.6E+07	12788393
123.4	84040.76	-75.3099	37.73491	4218824	-1.6E+07	12788364
123.6	84338.41	-75.3086	37.73418	4219273	-1.6E+07	12788333
123.8	84636.54	-75.3074	37.73344	4219723	-1.6E+07	12788302
124	84935.15	-75.3061	37.73269	4220176	-1.6E+07	12788270
124.2	85234.24	-75.3049	37.73195	4220630	-1.6E+07	12788237
124.4	85533.81	-75.3036	37.7312	4221087	-1.6E+07	12788204
124.6	85833.87	-75.3024	37.73044	4221545	-1.6E+07	12788169
124.8	86134.43	-75.3011	37.72969	4222006	-1.6E+07	12788134
125	86435.46	-75.2998	37.72892	4222469	-1.6E+07	12788098
125.2	86736.99	-75.2985	37.72816	4222934	-1.6E+07	12788061
125.4	87039	-75.2972	37.72739	4223401	-1.6E+07	12788024
125.6	87341.51	-75.2959	37.72662	4223870	-1.6E+07	12787985
125.8	87644.52	-75.2946	37.72584	4224341	-1.6E+07	12787946
126	87948.01	-75.2933	37.72506	4224814	-1.6E+07	12787906
126.2	88252	-75.292	37.72428	4225290	-1.6E+07	12787865
126.4	88556.49	-75.2907	37.72349	4225767	-1.6E+07	12787823
126.6	88861.49	-75.2894	37.7227	4226247	-1.6E+07	12787781
126.8	89166.98	-75.288	37.7219	4226728	-1.6E+07	12787738
127	89472.97	-75.2867	37.7211	4227212	-1.6E+07	12787693
127.2	89779.46	-75.2853	37.7203	4227698	-1.6E+07	12787648
127.4	90086.45	-75.284	37.71949	4228186	-1.6E+07	12787603
127.6	90393.95	-75.2826	37.71868	4228676	-1.6E+07	12787556
127.8	90701.95	-75.2813	37.71786	4229169	-1.6E+07	12787509
128	91010.46	-75.2799	37.71704	4229663	-1.6E+07	12787460
128.2	91319.46	-75.2785	37.71622	4230160	-1.6E+07	12787411
128.4	91628.96	-75.2771	37.71539	4230659	-1.6E+07	12787361
128.6	91938.97	-75.2757	37.71456	4231160	-1.6E+07	12787311

128.8	92249.49	-75.2743	37.71373	4231663	-1.6E+07	12787259
129	92560.5	-75.2729	37.71289	4232168	-1.6E+07	12787206
129.2	92872	-75.2715	37.71204	4232675	-1.6E+07	12787153
129.4	93184.01	-75.2701	37.7112	4233185	-1.6E+07	12787099
129.6	93496.51	-75.2687	37.71035	4233697	-1.6E+07	12787044
129.8	93809.5	-75.2672	37.70949	4234211	-1.6E+07	12786988
130	94122.99	-75.2658	37.70863	4234727	-1.6E+07	12786931
130.2	94436.96	-75.2643	37.70777	4235246	-1.6E+07	12786873
130.4	94751.42	-75.2629	37.7069	4235766	-1.6E+07	12786815
130.6	95066.37	-75.2614	37.70603	4236289	-1.6E+07	12786755
130.8	95381.81	-75.26	37.70516	4236814	-1.6E+07	12786695
131	95697.72	-75.2585	37.70428	4237341	-1.6E+07	12786633
131.2	96014.12	-75.257	37.70339	4237871	-1.6E+07	12786571
131.4	96331	-75.2555	37.70251	4238403	-1.6E+07	12786508
131.6	96648.37	-75.254	37.70161	4238937	-1.6E+07	12786444
131.8	96966.21	-75.2525	37.70072	4239473	-1.6E+07	12786379
132	97284.53	-75.251	37.69982	4240012	-1.6E+07	12786313
132.2	97603.32	-75.2495	37.69891	4240552	-1.6E+07	12786247
132.4	97922.59	-75.248	37.69801	4241096	-1.6E+07	12786179
132.6	98242.33	-75.2465	37.69709	4241641	-1.6E+07	12786110
132.8	98562.55	-75.245	37.69618	4242188	-1.6E+07	12786041
133	98883.23	-75.2434	37.69526	4242738	-1.6E+07	12785970
133.2	99204.38	-75.2419	37.69433	4243291	-1.6E+07	12785899
133.4	99526.01	-75.2403	37.6934	4243845	-1.6E+07	12785826
133.6	99848.11	-75.2388	37.69247	4244402	-1.6E+07	12785753
133.8	100170.7	-75.2372	37.69153	4244961	-1.6E+07	12785678
134	100493.7	-75.2356	37.69059	4245522	-1.6E+07	12785603
134.2	100817.2	-75.234	37.68964	4246086	-1.6E+07	12785527
134.4	101141.2	-75.2324	37.68869	4246652	-1.6E+07	12785450
134.6	101465.6	-75.2308	37.68773	4247221	-1.6E+07	12785371
134.8	101790.5	-75.2292	37.68678	4247791	-1.6E+07	12785292
135	102115.8	-75.2276	37.68581	4248364	-1.6E+07	12785212
135.2	102441.6	-75.226	37.68484	4248940	-1.6E+07	12785131
135.4	102767.9	-75.2244	37.68387	4249517	-1.6E+07	12785049
135.6	103094.6	-75.2228	37.68289	4250098	-1.6E+07	12784966
135.8	103421.8	-75.2211	37.68191	4250680	-1.6E+07	12784881
136	103749.5	-75.2195	37.68093	4251265	-1.6E+07	12784796
136.2	104077.6	-75.2178	37.67994	4251852	-1.6E+07	12784710
136.4	104406.2	-75.2162	37.67894	4252442	-1.6E+07	12784623
136.6	104735.2	-75.2145	37.67794	4253034	-1.6E+07	12784535
136.8	105064.7	-75.2128	37.67694	4253628	-1.6E+07	12784446
137	105394.7	-75.2112	37.67593	4254225	-1.6E+07	12784355
137.2	105725.1	-75.2095	37.67492	4254824	-1.6E+07	12784264
137.4	106056	-75.2078	37.67391	4255425	-1.6E+07	12784172
137.6	106387.3	-75.2061	37.67288	4256029	-1.6E+07	12784079
137.8	106719.1	-75.2044	37.67186	4256636	-1.6E+07	12783984
138	107051.4	-75.2026	37.67083	4257245	-1.6E+07	12783889

138.2	107384.1	-75.2009	37.66979	4257856	-1.6E+07	12783793
138.4	107717.3	-75.1992	37.66876	4258470	-1.6E+07	12783695
138.6	108050.9	-75.1975	37.66771	4259086	-1.6E+07	12783597
138.8	108385	-75.1957	37.66666	4259704	-1.6E+07	12783497
139	108719.5	-75.194	37.66561	4260325	-1.6E+07	12783397
139.2	109054.5	-75.1922	37.66455	4260949	-1.6E+07	12783295
139.4	109389.9	-75.1904	37.66349	4261575	-1.6E+07	12783192
139.6	109725.8	-75.1886	37.66243	4262203	-1.6E+07	12783089
139.8	110062.2	-75.1869	37.66135	4262834	-1.6E+07	12782984
140	110399	-75.1851	37.66028	4263467	-1.6E+07	12782878
140.2	110736.3	-75.1833	37.6592	4264103	-1.6E+07	12782771
140.4	111074	-75.1815	37.65811	4264741	-1.6E+07	12782663
140.6	111412.1	-75.1797	37.65702	4265382	-1.6E+07	12782554
140.8	111750.8	-75.1778	37.65593	4266026	-1.6E+07	12782443
141	112089.8	-75.176	37.65483	4266671	-1.6E+07	12782332
141.2	112429.4	-75.1742	37.65373	4267320	-1.6E+07	12782220
141.4	112769.3	-75.1723	37.65262	4267971	-1.6E+07	12782106
141.6	113109.7	-75.1705	37.65151	4268624	-1.6E+07	12781992
141.8	113450.6	-75.1686	37.65039	4269280	-1.6E+07	12781876
142	113792	-75.1668	37.64927	4269938	-1.6E+07	12781759
142.2	114133.7	-75.1649	37.64814	4270599	-1.6E+07	12781641
142.4	114476	-75.163	37.64701	4271263	-1.6E+07	12781522
142.6	114818.7	-75.1611	37.64587	4271929	-1.6E+07	12781402
142.8	115161.8	-75.1592	37.64473	4272598	-1.6E+07	12781281
143	115505.4	-75.1573	37.64359	4273269	-1.6E+07	12781158
143.2	115849.4	-75.1554	37.64243	4273943	-1.6E+07	12781035
143.4	116193.9	-75.1535	37.64128	4274619	-1.6E+07	12780910
143.6	116538.9	-75.1516	37.64012	4275298	-1.6E+07	12780784
143.8	116884.3	-75.1496	37.63895	4275979	-1.6E+07	12780657
144	117230.1	-75.1477	37.63778	4276664	-1.6E+07	12780529
144.2	117576.4	-75.1457	37.63661	4277350	-1.6E+07	12780400
144.4	117923.2	-75.1438	37.63543	4278040	-1.6E+07	12780269
144.6	118270.4	-75.1418	37.63424	4278732	-1.6E+07	12780138
144.8	118618	-75.1398	37.63305	4279426	-1.6E+07	12780005
145	118966.1	-75.1378	37.63186	4280123	-1.6E+07	12779871
145.2	119314.7	-75.1359	37.63066	4280823	-1.6E+07	12779736
145.4	119663.7	-75.1339	37.62946	4281526	-1.6E+07	12779600
145.6	120013.2	-75.1319	37.62825	4282231	-1.6E+07	12779463
145.8	120363.1	-75.1298	37.62703	4282938	-1.6E+07	12779324
146	120713.4	-75.1278	37.62581	4283649	-1.6E+07	12779185
146.2	121064.2	-75.1258	37.62459	4284362	-1.6E+07	12779044
146.4	121415.5	-75.1238	37.62336	4285077	-1.6E+07	12778901
146.6	121767.2	-75.1217	37.62213	4285796	-1.6E+07	12778758
146.8	122119.3	-75.1197	37.62089	4286517	-1.6E+07	12778614
147	122471.9	-75.1176	37.61964	4287241	-1.6E+07	12778468
147.2	122825	-75.1155	37.61839	4287967	-1.6E+07	12778321
147.4	123178.5	-75.1134	37.61714	4288696	-1.6E+07	12778173

147.6	123532.4	-75.1114	37.61588	4289428	-1.6E+07	12778024
147.8	123886.8	-75.1093	37.61462	4290162	-1.6E+07	12777873
148	124241.7	-75.1072	37.61335	4290900	-1.6E+07	12777721
148.2	124597	-75.105	37.61207	4291640	-1.6E+07	12777569
148.4	124952.7	-75.1029	37.61079	4292382	-1.6E+07	12777414
148.6	125308.9	-75.1008	37.60951	4293128	-1.6E+07	12777259
148.8	125665.6	-75.0987	37.60822	4293876	-1.6E+07	12777102
149	126022.7	-75.0965	37.60692	4294627	-1.6E+07	12776944
149.2	126380.2	-75.0944	37.60562	4295380	-1.6E+07	12776785
149.4	126738.2	-75.0922	37.60432	4296137	-1.6E+07	12776625
149.6	127096.7	-75.09	37.60301	4296896	-1.6E+07	12776463
149.8	127455.6	-75.0879	37.60169	4297658	-1.6E+07	12776301
150	127815	-75.0857	37.60037	4298422	-1.6E+07	12776136
150.2	128174.8	-75.0835	37.59905	4299190	-1.6E+07	12775971
150.4	128535	-75.0813	37.59772	4299960	-1.6E+07	12775805
150.6	128895.8	-75.0791	37.59638	4300733	-1.6E+07	12775637
150.8	129256.9	-75.0769	37.59504	4301509	-1.6E+07	12775468
151	129618.6	-75.0746	37.59369	4302288	-1.6E+07	12775297
151.2	129980.7	-75.0724	37.59234	4303069	-1.6E+07	12775125
151.4	130343.2	-75.0702	37.59098	4303853	-1.6E+07	12774952
151.6	130706.2	-75.0679	37.58962	4304640	-1.6E+07	12774778
151.8	131069.6	-75.0656	37.58825	4305430	-1.6E+07	12774603
152	131433.5	-75.0634	37.58688	4306223	-1.6E+07	12774426
152.2	131797.9	-75.0611	37.5855	4307019	-1.6E+07	12774248
152.4	132162.7	-75.0588	37.58411	4307817	-1.6E+07	12774068
152.6	132527.9	-75.0565	37.58272	4308618	-1.6E+07	12773888
152.8	132893.6	-75.0542	37.58133	4309422	-1.6E+07	12773706
153	133259.8	-75.0519	37.57993	4310229	-1.6E+07	12773522
153.2	133626.4	-75.0496	37.57852	4311039	-1.6E+07	12773338
153.4	133993.5	-75.0472	37.57711	4311852	-1.6E+07	12773152
153.6	134361	-75.0449	37.5757	4312668	-1.6E+07	12772965
153.8	134728.9	-75.0426	37.57427	4313486	-1.6E+07	12772776
154	135097.4	-75.0402	37.57285	4314308	-1.6E+07	12772586
154.2	135466.2	-75.0378	37.57141	4315132	-1.6E+07	12772395
154.4	135835.6	-75.0355	37.56998	4315959	-1.6E+07	12772202
154.6	136205.3	-75.0331	37.56853	4316789	-1.6E+07	12772008
154.8	136575.6	-75.0307	37.56708	4317622	-1.6E+07	12771813
155	136946.3	-75.0283	37.56563	4318458	-1.6E+07	12771616
155.2	137317.4	-75.0259	37.56417	4319297	-1.6E+07	12771418
155.4	137689	-75.0235	37.5627	4320139	-1.6E+07	12771219
155.6	138061.1	-75.021	37.56123	4320984	-1.6E+07	12771018
155.8	138433.6	-75.0186	37.55976	4321832	-1.6E+07	12770816
156	138806.6	-75.0162	37.55827	4322682	-1.6E+07	12770613
156.2	139180	-75.0137	37.55678	4323536	-1.6E+07	12770408
156.4	139553.9	-75.0113	37.55529	4324393	-1.6E+07	12770202
156.6	139928.2	-75.0088	37.55379	4325252	-1.6E+07	12769995
156.8	140303	-75.0063	37.55229	4326115	-1.6E+07	12769786

157	140678.2	-75.0038	37.55078	4326981	-1.6E+07	12769575
157.2	141053.9	-75.0013	37.54926	4327849	-1.6E+07	12769364
157.4	141430.1	-74.9988	37.54774	4328721	-1.6E+07	12769151
157.6	141806.7	-74.9963	37.54621	4329596	-1.6E+07	12768936
157.8	142183.8	-74.9938	37.54468	4330473	-1.6E+07	12768720
158	142561.4	-74.9912	37.54314	4331354	-1.6E+07	12768503
158.2	142939.3	-74.9887	37.54159	4332238	-1.6E+07	12768284
158.4	143317.8	-74.9862	37.54004	4333125	-1.6E+07	12768064
158.6	143696.7	-74.9836	37.53849	4334014	-1.6E+07	12767843
158.8	144076.1	-74.981	37.53693	4334907	-1.6E+07	12767620
159	144455.9	-74.9784	37.53536	4335803	-1.6E+07	12767395
159.2	144836.2	-74.9759	37.53378	4336702	-1.6E+07	12767169
159.4	145217	-74.9733	37.5322	4337604	-1.6E+07	12766942
159.6	145598.2	-74.9707	37.53062	4338510	-1.6E+07	12766713
159.8	145979.9	-74.968	37.52903	4339418	-1.6E+07	12766483
160	146362	-74.9654	37.52743	4340329	-1.6E+07	12766252
160.2	146744.7	-74.9628	37.52583	4341244	-1.6E+07	12766019
160.4	147127.7	-74.9601	37.52422	4342161	-1.6E+07	12765784
160.6	147511.3	-74.9575	37.52261	4343082	-1.6E+07	12765548
160.8	147895.3	-74.9548	37.52099	4344006	-1.6E+07	12765311
161	148279.8	-74.9522	37.51936	4344933	-1.6E+07	12765072
161.2	148664.7	-74.9495	37.51773	4345863	-1.6E+07	12764832
161.4	149050.1	-74.9468	37.51609	4346796	-1.6E+07	12764590
161.6	149436	-74.9441	37.51445	4347732	-1.6E+07	12764347
161.8	149822.4	-74.9414	37.5128	4348672	-1.6E+07	12764102
162	150209.2	-74.9387	37.51114	4349615	-1.6E+07	12763856
162.2	150596.5	-74.9359	37.50948	4350561	-1.6E+07	12763608
162.4	150984.3	-74.9332	37.50781	4351510	-1.6E+07	12763359
162.6	151372.5	-74.9304	37.50614	4352462	-1.6E+07	12763108
162.8	151761.2	-74.9277	37.50446	4353417	-1.6E+07	12762856
163	152150.5	-74.9249	37.50277	4354376	-1.6E+07	12762602
163.2	152540.1	-74.9221	37.50108	4355338	-1.6E+07	12762347
163.4	152930.3	-74.9194	37.49938	4356303	-1.6E+07	12762091
163.6	153320.9	-74.9166	37.49767	4357271	-1.6E+07	12761832
163.8	153712	-74.9138	37.49596	4358243	-1.6E+07	12761573
164	154103.6	-74.9109	37.49425	4359217	-1.6E+07	12761311
164.2	154495.7	-74.9081	37.49252	4360195	-1.6E+07	12761049
164.4	154888.3	-74.9053	37.4908	4361177	-1.6E+07	12760784
164.6	155281.3	-74.9024	37.48906	4362161	-1.6E+07	12760519
164.8	155674.8	-74.8996	37.48732	4363149	-1.6E+07	12760251
165	156068.9	-74.8967	37.48557	4364140	-1.6E+07	12759982
165.2	156463.4	-74.8939	37.48382	4365134	-1.6E+07	12759712
165.4	156858.4	-74.891	37.48206	4366132	-1.6E+07	12759440
165.6	157253.8	-74.8881	37.48029	4367133	-1.6E+07	12759166
165.8	157649.8	-74.8852	37.47852	4368137	-1.6E+07	12758891
166	158046.3	-74.8823	37.47674	4369144	-1.6E+07	12758615
166.2	158443.2	-74.8793	37.47496	4370155	-1.6E+07	12758336

166.4	158840.7	-74.8764	37.47316	4371169	-1.6E+07	12758057
166.6	159238.7	-74.8735	37.47137	4372187	-1.6E+07	12757775
166.8	159637.1	-74.8705	37.46956	4373208	-1.6E+07	12757492
167	160036.1	-74.8676	37.46775	4374232	-1.6E+07	12757208
167.2	160435.5	-74.8646	37.46594	4375260	-1.6E+07	12756922
167.4	160835.5	-74.8616	37.46411	4376290	-1.6E+07	12756634
167.6	161235.9	-74.8586	37.46228	4377325	-1.6E+07	12756345
167.8	161636.9	-74.8556	37.46045	4378362	-1.6E+07	12756054
168	162038.3	-74.8526	37.45861	4379403	-1.6E+07	12755762
168.2	162440.3	-74.8496	37.45676	4380448	-1.6E+07	12755468
168.4	162842.8	-74.8465	37.4549	4381496	-1.6E+07	12755172
168.6	163245.7	-74.8435	37.45304	4382547	-1.6E+07	12754875
168.8	163649.2	-74.8405	37.45117	4383602	-1.6E+07	12754576
169	164053.2	-74.8374	37.4493	4384660	-1.6E+07	12754275
169.2	164457.8	-74.8343	37.44742	4385721	-1.6E+07	12753973
169.4	164862.8	-74.8312	37.44553	4386786	-1.6E+07	12753670
169.6	165268.3	-74.8281	37.44364	4387855	-1.6E+07	12753364
169.8	165674.4	-74.825	37.44173	4388926	-1.6E+07	12753057
170	166081	-74.8219	37.43983	4390002	-1.6E+07	12752749
170.2	166488.1	-74.8188	37.43791	4391081	-1.6E+07	12752438
170.4	166895.7	-74.8157	37.43599	4392163	-1.6E+07	12752127
170.6	167303.8	-74.8125	37.43407	4393249	-1.6E+07	12751813
170.8	167712.5	-74.8094	37.43213	4394338	-1.6E+07	12751498
171	168121.7	-74.8062	37.43019	4395431	-1.6E+07	12751181
171.2	168531.4	-74.803	37.42824	4396527	-1.6E+07	12750862
171.4	168941.7	-74.7998	37.42629	4397627	-1.6E+07	12750542
171.6	169352.4	-74.7966	37.42433	4398730	-1.6E+07	12750220
171.8	169763.8	-74.7934	37.42236	4399837	-1.6E+07	12749897
172	170175.6	-74.7902	37.42039	4400947	-1.6E+07	12749572
172.2	170588	-74.787	37.41841	4402061	-1.6E+07	12749245
172.4	171000.9	-74.7837	37.41642	4403179	-1.6E+07	12748916
172.6	171414.3	-74.7805	37.41443	4404300	-1.6E+07	12748586
172.8	171828.3	-74.7772	37.41243	4405425	-1.6E+07	12748254
173	172242.9	-74.774	37.41042	4406553	-1.6E+07	12747920
173.2	172657.9	-74.7707	37.4084	4407685	-1.6E+07	12747585
173.4	173073.6	-74.7674	37.40638	4408820	-1.6E+07	12747248
173.6	173489.7	-74.7641	37.40435	4409960	-1.6E+07	12746909
173.8	173906.4	-74.7608	37.40232	4411102	-1.6E+07	12746569
174	174323.7	-74.7575	37.40028	4412249	-1.6E+07	12746227
174.2	174741.5	-74.7541	37.39823	4413399	-1.6E+07	12745883
174.4	175159.8	-74.7508	37.39617	4414552	-1.6E+07	12745537
174.6	175578.8	-74.7474	37.39411	4415710	-1.6E+07	12745190
174.8	175998.2	-74.744	37.39204	4416871	-1.6E+07	12744840
175	176418.2	-74.7407	37.38996	4418035	-1.6E+07	12744490
175.2	176838.8	-74.7373	37.38788	4419204	-1.6E+07	12744137
175.4	177259.9	-74.7339	37.38579	4420376	-1.6E+07	12743783
175.6	177681.6	-74.7305	37.38369	4421551	-1.6E+07	12743426

175.8	178103.8	-74.727	37.38158	4422731	-1.6E+07	12743069
176	178526.6	-74.7236	37.37947	4423914	-1.6E+07	12742709
176.2	178950	-74.7202	37.37735	4425101	-1.6E+07	12742347
176.4	179374	-74.7167	37.37523	4426292	-1.6E+07	12741984
176.6	179798.5	-74.7132	37.37309	4427486	-1.6E+07	12741619
176.8	180223.5	-74.7098	37.37095	4428684	-1.6E+07	12741253
177	180649.2	-74.7063	37.3688	4429886	-1.6E+07	12740884
177.2	181075.4	-74.7028	37.36665	4431092	-1.6E+07	12740514
177.4	181502.2	-74.6993	37.36449	4432301	-1.6E+07	12740141
177.6	181929.6	-74.6957	37.36232	4433514	-1.6E+07	12739767
177.8	182357.5	-74.6922	37.36014	4434731	-1.6E+07	12739392
178	182786.1	-74.6887	37.35796	4435952	-1.6E+07	12739014
178.2	183215.2	-74.6851	37.35577	4437177	-1.6E+07	12738635
178.4	183644.9	-74.6815	37.35357	4438405	-1.6E+07	12738254
178.6	184075.1	-74.678	37.35136	4439638	-1.6E+07	12737871
178.8	184506	-74.6744	37.34915	4440874	-1.6E+07	12737486
179	184937.5	-74.6708	37.34693	4442114	-1.6E+07	12737099
179.2	185369.5	-74.6672	37.3447	4443358	-1.6E+07	12736710
179.4	185802.2	-74.6635	37.34246	4444606	-1.6E+07	12736320
179.6	186235.4	-74.6599	37.34022	4445857	-1.6E+07	12735928
179.8	186669.2	-74.6563	37.33797	4447113	-1.6E+07	12735534
180	187103.7	-74.6526	37.33571	4448372	-1.6E+07	12735138
180.05	187212.4	-74.6517	37.33515	4448688	-1.6E+07	12735039
180.2	187538.7	-74.6489	37.33345	4449636	-1.6E+07	12734740
180.25	187647.6	-74.648	37.33288	4449952	-1.6E+07	12734640
180.4	187974.4	-74.6452	37.33118	4450903	-1.6E+07	12734340
180.6	188410.6	-74.6416	37.3289	4452174	-1.6E+07	12733939
180.8	188847.5	-74.6378	37.32661	4453449	-1.6E+07	12733535
181	189285	-74.6341	37.32431	4454728	-1.6E+07	12733130
181.2	189723.1	-74.6304	37.32201	4456012	-1.6E+07	12732723
181.4	190161.8	-74.6267	37.3197	4457299	-1.6E+07	12732314
181.6	190601.1	-74.6229	37.31738	4458590	-1.6E+07	12731903
181.8	191041	-74.6191	37.31506	4459885	-1.6E+07	12731490
182	191481.6	-74.6154	37.31272	4461184	-1.6E+07	12731075
182.2	191922.8	-74.6116	37.31038	4462487	-1.6E+07	12730658
182.4	192364.6	-74.6078	37.30804	4463794	-1.6E+07	12730240
182.6	192807	-74.604	37.30568	4465105	-1.6E+07	12729819
182.8	193250.1	-74.6002	37.30332	4466420	-1.6E+07	12729397
183	193693.9	-74.5963	37.30094	4467739	-1.6E+07	12728972
183.2	194138.2	-74.5925	37.29856	4469063	-1.6E+07	12728546
183.4	194583.2	-74.5886	37.29618	4470390	-1.6E+07	12728118
183.6	195028.8	-74.5847	37.29378	4471721	-1.6E+07	12727688
183.8	195475.1	-74.5809	37.29138	4473057	-1.6E+07	12727255
184	195922.1	-74.577	37.28897	4474397	-1.6E+07	12726821
184.2	196369.6	-74.5731	37.28655	4475740	-1.6E+07	12726385
184.4	196817.9	-74.5691	37.28412	4477088	-1.6E+07	12725947
184.6	197266.8	-74.5652	37.28169	4478440	-1.6E+07	12725507

184.8	197716.3	-74.5613	37.27925	4479796	-1.6E+07	12725065
185	198166.5	-74.5573	37.2768	4481157	-1.6E+07	12724621
185.2	198617.4	-74.5533	37.27434	4482521	-1.6E+07	12724175
185.4	199069	-74.5494	37.27187	4483890	-1.6E+07	12723728
185.6	199521.2	-74.5454	37.2694	4485263	-1.6E+07	12723278
185.8	199974.1	-74.5414	37.26692	4486640	-1.6E+07	12722826
186	200427.6	-74.5374	37.26443	4488021	-1.6E+07	12722372
186.2	200881.9	-74.5333	37.26193	4489407	-1.6E+07	12721916
186.4	201336.8	-74.5293	37.25942	4490797	-1.6E+07	12721458
186.6	201792.4	-74.5252	37.25691	4492191	-1.6E+07	12720998
186.8	202248.7	-74.5212	37.25438	4493589	-1.6E+07	12720536
187	202705.7	-74.5171	37.25185	4494991	-1.6E+07	12720072
187.2	203163.4	-74.513	37.24931	4496398	-1.6E+07	12719606
187.4	203621.8	-74.5089	37.24677	4497809	-1.6E+07	12719138
187.6	204080.9	-74.5048	37.24421	4499225	-1.6E+07	12718668
187.8	204540.7	-74.5006	37.24165	4500644	-1.6E+07	12718196
188	205001.2	-74.4965	37.23907	4502068	-1.6E+07	12717721
188.2	205462.4	-74.4924	37.23649	4503497	-1.6E+07	12717245
188.4	205924.3	-74.4882	37.23391	4504930	-1.6E+07	12716767
188.6	206386.9	-74.484	37.23131	4506367	-1.6E+07	12716286
188.8	206850.3	-74.4798	37.2287	4507808	-1.6E+07	12715804
189	207314.3	-74.4756	37.22609	4509254	-1.6E+07	12715319
189.2	207779.1	-74.4714	37.22347	4510704	-1.6E+07	12714832
189.4	208244.7	-74.4672	37.22084	4512159	-1.6E+07	12714344
189.6	208710.9	-74.4629	37.2182	4513618	-1.6E+07	12713853
189.8	209177.9	-74.4587	37.21555	4515081	-1.6E+07	12713360
190	209645.7	-74.4544	37.21289	4516549	-1.6E+07	12712865
190.05	209762.7	-74.4533	37.21223	4516917	-1.6E+07	12712741
190.2	210114.1	-74.4501	37.21023	4518022	-1.6E+07	12712368
190.25	210231.4	-74.449	37.20956	4518391	-1.6E+07	12712243
190.4	210583.4	-74.4458	37.20756	4519499	-1.6E+07	12711868
190.6	211053.3	-74.4415	37.20487	4520980	-1.6E+07	12711367
190.8	211524.1	-74.4372	37.20218	4522466	-1.6E+07	12710863
191	211995.6	-74.4328	37.19948	4523956	-1.6E+07	12710358
191.2	212467.8	-74.4285	37.19678	4525451	-1.6E+07	12709850
191.4	212940.8	-74.4241	37.19406	4526951	-1.6E+07	12709340
191.6	213414.6	-74.4198	37.19133	4528455	-1.6E+07	12708828
191.8	213889.2	-74.4154	37.1886	4529963	-1.6E+07	12708314
192	214364.5	-74.411	37.18586	4531476	-1.6E+07	12707797
192.2	214840.6	-74.4066	37.18311	4532994	-1.6E+07	12707279
192.4	215317.5	-74.4021	37.18035	4534516	-1.6E+07	12706758
192.6	215795.2	-74.3977	37.17758	4536043	-1.6E+07	12706235
192.8	216273.6	-74.3932	37.1748	4537575	-1.6E+07	12705710
193	216752.9	-74.3888	37.17201	4539111	-1.6E+07	12705182
193.2	217232.9	-74.3843	37.16922	4540652	-1.6E+07	12704653
193.4	217713.8	-74.3798	37.16641	4542197	-1.6E+07	12704121
193.6	218195.5	-74.3753	37.1636	4543747	-1.6E+07	12703587

193.8	218678	-74.3708	37.16078	4545302	-1.6E+07	12703051
194	219161.2	-74.3662	37.15794	4546861	-1.6E+07	12702513
194.2	219645.4	-74.3617	37.1551	4548426	-1.6E+07	12701972
194.4	220130.3	-74.3571	37.15225	4549995	-1.6E+07	12701429
194.6	220616.1	-74.3525	37.1494	4551568	-1.6E+07	12700884
194.8	221102.7	-74.3479	37.14653	4553147	-1.6E+07	12700337
195	221590.1	-74.3433	37.14365	4554730	-1.6E+07	12699788
195.2	222078.4	-74.3387	37.14077	4556318	-1.6E+07	12699236
195.4	222567.5	-74.3341	37.13787	4557911	-1.6E+07	12698682
195.6	223057.4	-74.3294	37.13497	4559508	-1.6E+07	12698125
195.8	223548.2	-74.3248	37.13205	4561111	-1.6E+07	12697567
196	224039.9	-74.3201	37.12913	4562718	-1.6E+07	12697006
196.2	224532.4	-74.3154	37.1262	4564330	-1.6E+07	12696443
196.4	225025.8	-74.3107	37.12325	4565947	-1.6E+07	12695877
196.6	225520.1	-74.306	37.1203	4567569	-1.6E+07	12695310
196.8	226015.2	-74.3013	37.11734	4569196	-1.6E+07	12694740
197	226511.3	-74.2965	37.11437	4570827	-1.6E+07	12694167
197.2	227008.2	-74.2918	37.11139	4572464	-1.6E+07	12693593
197.4	227506	-74.287	37.10841	4574106	-1.6E+07	12693016
197.6	228004.6	-74.2822	37.10541	4575752	-1.6E+07	12692437
197.8	228504.2	-74.2774	37.1024	4577403	-1.6E+07	12691855
198	229004.7	-74.2726	37.09938	4579060	-1.6E+07	12691271
198.2	229506.1	-74.2678	37.09636	4580721	-1.6E+07	12690685
198.4	230008.4	-74.2629	37.09332	4582388	-1.6E+07	12690096
198.6	230511.6	-74.2581	37.09027	4584059	-1.6E+07	12689505
198.8	231015.8	-74.2532	37.08722	4585736	-1.6E+07	12688912
199	231520.9	-74.2483	37.08415	4587417	-1.6E+07	12688316
199.2	232026.9	-74.2434	37.08108	4589104	-1.6E+07	12687718
199.4	232533.8	-74.2385	37.07799	4590796	-1.6E+07	12687118
199.6	233041.7	-74.2336	37.0749	4592492	-1.6E+07	12686515
199.8	233550.6	-74.2286	37.07179	4594194	-1.6E+07	12685910
200	234060.4	-74.2236	37.06868	4595902	-1.6E+07	12685302
200.2	234571.1	-74.2187	37.06555	4597614	-1.6E+07	12684692
200.4	235082.8	-74.2137	37.06242	4599331	-1.6E+07	12684080
200.6	235595.5	-74.2087	37.05928	4601054	-1.6E+07	12683465
200.8	236109.2	-74.2037	37.05612	4602782	-1.6E+07	12682848
201	236623.8	-74.1986	37.05296	4604515	-1.6E+07	12682228
201.2	237139.5	-74.1936	37.04978	4606253	-1.6E+07	12681606
201.4	237656.1	-74.1885	37.0466	4607996	-1.6E+07	12680981
201.6	238173.7	-74.1834	37.0434	4609745	-1.6E+07	12680354
201.8	238692.3	-74.1783	37.0402	4611499	-1.6E+07	12679724
202	239211.9	-74.1732	37.03699	4613258	-1.6E+07	12679093
202.2	239732.6	-74.1681	37.03376	4615023	-1.6E+07	12678458
202.4	240254.2	-74.1629	37.03053	4616793	-1.6E+07	12677821
202.6	240776.9	-74.1578	37.02728	4618568	-1.6E+07	12677182
202.8	241300.6	-74.1526	37.02403	4620349	-1.6E+07	12676540
203	241825.4	-74.1474	37.02076	4622135	-1.6E+07	12675895

203.2	242351.2	-74.1422	37.01748	4623927	-1.6E+07	12675248
203.4	242878	-74.137	37.0142	4625724	-1.6E+07	12674599
203.6	243405.9	-74.1318	37.0109	4627526	-1.6E+07	12673947
203.8	243934.9	-74.1265	37.00759	4629334	-1.6E+07	12673293
204	244464.9	-74.1213	37.00427	4631147	-1.6E+07	12672636
204.2	244996	-74.116	37.00095	4632966	-1.6E+07	12671976
204.4	245528.1	-74.1107	36.99761	4634790	-1.6E+07	12671314
204.6	246061.4	-74.1054	36.99426	4636620	-1.6E+07	12670649
204.8	246595.7	-74.1	36.9909	4638455	-1.6E+07	12669982
205	247131.2	-74.0947	36.98753	4640296	-1.6E+07	12669312
205.2	247667.7	-74.0893	36.98414	4642142	-1.6E+07	12668640
205.4	248205.4	-74.0839	36.98075	4643994	-1.6E+07	12667965
205.6	248744.2	-74.0786	36.97735	4645852	-1.6E+07	12667288
205.8	249284.1	-74.0731	36.97394	4647715	-1.6E+07	12666607
206	249825.1	-74.0677	36.97051	4649584	-1.6E+07	12665925
206.2	250367.3	-74.0623	36.96707	4651459	-1.6E+07	12665239
206.4	250910.6	-74.0568	36.96363	4653339	-1.6E+07	12664551
206.6	251455	-74.0514	36.96017	4655225	-1.6E+07	12663861
206.8	252000.6	-74.0459	36.9567	4657116	-1.6E+07	12663168
207	252547.3	-74.0404	36.95322	4659014	-1.6E+07	12662472
207.2	253095.2	-74.0348	36.94973	4660917	-1.6E+07	12661773
207.4	253644.2	-74.0293	36.94623	4662825	-1.6E+07	12661072
207.6	254194.3	-74.0237	36.94272	4664740	-1.6E+07	12660369
207.8	254745.6	-74.0182	36.9392	4666660	-1.6E+07	12659662
208	255298	-74.0126	36.93566	4668585	-1.6E+07	12658953
208.2	255851.6	-74.007	36.93212	4670517	-1.6E+07	12658242
208.4	256406.2	-74.0014	36.92856	4672454	-1.6E+07	12657528
208.6	256962.1	-73.9957	36.925	4674396	-1.6E+07	12656811
208.8	257519	-73.9901	36.92142	4676344	-1.6E+07	12656091
209	258077.1	-73.9844	36.91783	4678298	-1.6E+07	12655369
209.2	258636.3	-73.9787	36.91423	4680258	-1.6E+07	12654644
209.4	259196.6	-73.973	36.91062	4682223	-1.6E+07	12653917
209.6	259758	-73.9673	36.907	4684194	-1.6E+07	12653187
209.8	260320.6	-73.9616	36.90337	4686170	-1.6E+07	12652454
210	260884.3	-73.9559	36.89973	4688153	-1.6E+07	12651719
210.2	261449.2	-73.9501	36.89608	4690140	-1.6E+07	12650981
210.4	262015.1	-73.9443	36.89241	4692134	-1.6E+07	12650241
210.6	262582.2	-73.9385	36.88874	4694133	-1.6E+07	12649498
210.8	263150.4	-73.9327	36.88505	4696137	-1.6E+07	12648752
211	263719.7	-73.9269	36.88136	4698148	-1.6E+07	12648004
211.2	264290.2	-73.921	36.87765	4700163	-1.6E+07	12647253
211.4	264861.7	-73.9152	36.87393	4702185	-1.6E+07	12646499
211.6	265434.4	-73.9093	36.8702	4704212	-1.6E+07	12645743
211.8	266008.1	-73.9034	36.86646	4706245	-1.6E+07	12644984
212	266582.9	-73.8975	36.86271	4708283	-1.6E+07	12644222
212.2	267158.8	-73.8916	36.85895	4710327	-1.6E+07	12643458
212.4	267735.7	-73.8857	36.85518	4712376	-1.6E+07	12642691

212.6	268313.7	-73.8797	36.85139	4714431	-1.6E+07	12641921
212.8	268892.6	-73.8737	36.8476	4716492	-1.6E+07	12641149
213	269472.6	-73.8678	36.8438	4718558	-1.6E+07	12640374
213.2	270053.6	-73.8618	36.83998	4720630	-1.6E+07	12639596
213.4	270635.5	-73.8558	36.83615	4722707	-1.6E+07	12638815
213.6	271218.4	-73.8497	36.83232	4724790	-1.6E+07	12638032
213.8	271802.2	-73.8437	36.82847	4726878	-1.6E+07	12637246
214	272386.9	-73.8376	36.82461	4728972	-1.6E+07	12636457
214.2	272972.6	-73.8315	36.82074	4731071	-1.6E+07	12635666
214.4	273559	-73.8254	36.81686	4733176	-1.6E+07	12634871
214.6	274146.4	-73.8193	36.81297	4735287	-1.6E+07	12634074
214.8	274734.5	-73.8132	36.80907	4737403	-1.6E+07	12633274
215	275323.5	-73.8071	36.80515	4739524	-1.6E+07	12632471
215.2	275913.3	-73.8009	36.80123	4741651	-1.6E+07	12631665
215.4	276503.8	-73.7947	36.7973	4743784	-1.6E+07	12630857
215.6	277095.1	-73.7886	36.79335	4745922	-1.6E+07	12630045
215.8	277687.1	-73.7824	36.78939	4748066	-1.6E+07	12629231
216	278279.8	-73.7761	36.78543	4750215	-1.6E+07	12628414
216.2	278873.1	-73.7699	36.78145	4752369	-1.6E+07	12627594
216.4	279467.2	-73.7637	36.77746	4754529	-1.6E+07	12626771
216.6	280061.9	-73.7574	36.77346	4756694	-1.6E+07	12625945
216.8	280657.3	-73.7511	36.76945	4758865	-1.6E+07	12625116
217	281253.2	-73.7448	36.76543	4761042	-1.6E+07	12624284
217.2	281849.9	-73.7385	36.7614	4763223	-1.6E+07	12623449
217.4	282447.1	-73.7322	36.75735	4765410	-1.6E+07	12622612
217.6	283044.9	-73.7258	36.7533	4767603	-1.6E+07	12621771
217.8	283643.4	-73.7195	36.74924	4769801	-1.6E+07	12620927
218	284242.4	-73.7131	36.74516	4772004	-1.6E+07	12620081
218.2	284842	-73.7067	36.74108	4774213	-1.6E+07	12619231
218.4	285442.2	-73.7003	36.73698	4776427	-1.6E+07	12618379
218.6	286042.9	-73.6939	36.73287	4778647	-1.6E+07	12617523
218.8	286644.3	-73.6875	36.72876	4780872	-1.6E+07	12616665
219	287246.2	-73.681	36.72463	4783102	-1.6E+07	12615804
219.2	287848.6	-73.6745	36.72049	4785338	-1.6E+07	12614939
219.4	288451.6	-73.6681	36.71634	4787579	-1.6E+07	12614072
219.6	289055.2	-73.6616	36.71218	4789825	-1.6E+07	12613202
219.8	289659.3	-73.6551	36.70801	4792077	-1.6E+07	12612329
220	290263.9	-73.6485	36.70383	4794334	-1.6E+07	12611453
220.2	290869.1	-73.642	36.69963	4796596	-1.6E+07	12610574
220.4	291474.9	-73.6354	36.69543	4798864	-1.6E+07	12609692
220.6	292081.2	-73.6289	36.69122	4801137	-1.6E+07	12608807
220.8	292688	-73.6223	36.68699	4803415	-1.6E+07	12607919
221	293295.3	-73.6157	36.68276	4805698	-1.6E+07	12607028
221.2	293903.2	-73.6091	36.67852	4807987	-1.6E+07	12606134
221.4	294511.6	-73.6024	36.67426	4810281	-1.6E+07	12605238
221.6	295120.6	-73.5958	36.66999	4812580	-1.6E+07	12604338
221.8	295730	-73.5891	36.66572	4814885	-1.6E+07	12603435

222	296340	-73.5825	36.66143	4817194	-1.6E+07	12602530
222.2	296950.5	-73.5758	36.65713	4819509	-1.6E+07	12601621
222.4	297561.5	-73.5691	36.65283	4821829	-1.6E+07	12600710
222.6	298173	-73.5624	36.64851	4824154	-1.6E+07	12599796
222.8	298785	-73.5556	36.64418	4826485	-1.6E+07	12598879
223	299397.5	-73.5489	36.63984	4828820	-1.6E+07	12597958
223.2	300010.5	-73.5421	36.63549	4831161	-1.6E+07	12597035
223.4	300624.1	-73.5353	36.63113	4833507	-1.6E+07	12596109
223.6	301238.1	-73.5286	36.62676	4835858	-1.6E+07	12595181
223.8	301852.6	-73.5217	36.62238	4838214	-1.6E+07	12594249
224	302467.6	-73.5149	36.61799	4840575	-1.6E+07	12593314
224.2	303083.1	-73.5081	36.61359	4842942	-1.6E+07	12592377
224.4	303699	-73.5012	36.60918	4845313	-1.6E+07	12591436
224.6	304315.5	-73.4944	36.60476	4847690	-1.6E+07	12590493
224.8	304932.4	-73.4875	36.60033	4850071	-1.6E+07	12589547
225	305549.8	-73.4806	36.59589	4852458	-1.6E+07	12588597
225.2	306167.7	-73.4737	36.59143	4854849	-1.6E+07	12587645
225.4	306786	-73.4668	36.58697	4857246	-1.6E+07	12586690
225.6	307404.8	-73.4599	36.5825	4859647	-1.6E+07	12585733
225.8	308024	-73.4529	36.57802	4862054	-1.6E+07	12584772
226	308643.7	-73.446	36.57353	4864465	-1.6E+07	12583808
226.2	309263.9	-73.439	36.56902	4866882	-1.6E+07	12582842
226.4	309884.5	-73.432	36.56451	4869303	-1.6E+07	12581873
226.6	310505.6	-73.425	36.55999	4871730	-1.6E+07	12580901
226.8	311127.1	-73.418	36.55546	4874161	-1.6E+07	12579926
227	311749	-73.4109	36.55091	4876597	-1.6E+07	12578948
227.2	312371.4	-73.4039	36.54636	4879038	-1.6E+07	12577967
227.4	312994.2	-73.3968	36.5418	4881484	-1.6E+07	12576983
227.6	313617.4	-73.3898	36.53723	4883935	-1.6E+07	12575997
227.8	314241.1	-73.3827	36.53265	4886391	-1.6E+07	12575008
228	314865.2	-73.3756	36.52805	4888851	-1.6E+07	12574016
228.2	315489.7	-73.3685	36.52345	4891317	-1.6E+07	12573021
228.4	316114.6	-73.3614	36.51884	4893787	-1.6E+07	12572023
228.6	316739.9	-73.3542	36.51422	4896262	-1.6E+07	12571023
228.8	317365.6	-73.3471	36.50959	4898741	-1.6E+07	12570019
229	317991.7	-73.3399	36.50495	4901226	-1.6E+07	12569013
229.2	318618.3	-73.3327	36.5003	4903715	-1.6E+07	12568004
229.4	319245.2	-73.3255	36.49564	4906209	-1.6E+07	12566992
229.6	319872.5	-73.3183	36.49097	4908707	-1.6E+07	12565978
229.8	320500.2	-73.3111	36.48629	4911210	-1.6E+07	12564960
230	321128.3	-73.3039	36.4816	4913718	-1.6E+07	12563940
230.2	321756.7	-73.2967	36.4769	4916231	-1.6E+07	12562917
230.4	322385.5	-73.2894	36.47219	4918748	-1.6E+07	12561892
230.6	323014.8	-73.2821	36.46748	4921270	-1.6E+07	12560863
230.8	323644.4	-73.2749	36.46275	4923796	-1.6E+07	12559832
231	324274.4	-73.2676	36.45801	4926327	-1.6E+07	12558798
231.2	324904.7	-73.2603	36.45327	4928863	-1.6E+07	12557761

231.4	325535.5	-73.2529	36.44851	4931404	-1.6E+07	12556721
231.6	326166.7	-73.2456	36.44375	4933949	-1.6E+07	12555679
231.8	326798.2	-73.2383	36.43897	4936499	-1.6E+07	12554633
232	327430.2	-73.2309	36.43418	4939054	-1.6E+07	12553585
232.2	328062.5	-73.2235	36.42939	4941614	-1.6E+07	12552534
232.4	328695.3	-73.2161	36.42458	4944178	-1.6E+07	12551480
232.6	329328.6	-73.2087	36.41977	4946747	-1.6E+07	12550423
232.8	329962.3	-73.2013	36.41495	4949321	-1.6E+07	12549364
233	330596.5	-73.1939	36.41011	4951900	-1.6E+07	12548301
233.2	331231.3	-73.1865	36.40527	4954484	-1.6E+07	12547236
233.4	331866.6	-73.179	36.40041	4957072	-1.6E+07	12546168
233.6	332502.6	-73.1716	36.39555	4959666	-1.6E+07	12545097
233.8	333139.2	-73.1641	36.39067	4962264	-1.6E+07	12544024
234	333776.4	-73.1566	36.38579	4964867	-1.6E+07	12542948
234.2	334414.3	-73.1491	36.3809	4967476	-1.6E+07	12541869
234.4	335053	-73.1416	36.37599	4970089	-1.6E+07	12540788
234.55	335532.4	-73.1359	36.37231	4972052	-1.6E+07	12539975
234.6	335692.3	-73.134	36.37108	4972707	-1.6E+07	12539704
234.8	336331.8	-73.1265	36.36616	4975328	-1.6E+07	12538618
235	336970.7	-73.119	36.36124	4977949	-1.6E+07	12537531
235.2	337609	-73.1114	36.35632	4980571	-1.6E+07	12536443
235.4	338246.8	-73.1039	36.3514	4983193	-1.6E+07	12535354
235.6	338883.9	-73.0963	36.34647	4985816	-1.6E+07	12534264
235.8	339520.5	-73.0888	36.34155	4988439	-1.6E+07	12533173
236	340156.3	-73.0812	36.33662	4991061	-1.6E+07	12532081
236.2	340791.6	-73.0737	36.33169	4993685	-1.6E+07	12530989
236.4	341426.2	-73.0662	36.32676	4996308	-1.6E+07	12529895
236.6	342060.1	-73.0586	36.32183	4998931	-1.6E+07	12528801
236.8	342693.3	-73.0511	36.3169	5001554	-1.6E+07	12527706
237	343325.8	-73.0435	36.31197	5004177	-1.6E+07	12526610
237.2	343957.6	-73.036	36.30703	5006800	-1.6E+07	12525513
237.4	344588.6	-73.0285	36.3021	5009423	-1.6E+07	12524415
237.6	345218.9	-73.0209	36.29717	5012046	-1.6E+07	12523317
237.8	345848.3	-73.0134	36.29223	5014668	-1.6E+07	12522218
238	346477	-73.0059	36.2873	5017290	-1.6E+07	12521118
238.2	347104.9	-72.9983	36.28236	5019912	-1.6E+07	12520017
238.4	347732	-72.9908	36.27743	5022533	-1.6E+07	12518916
238.55	348201.9	-72.9852	36.27373	5024499	-1.6E+07	12518090
238.6	348358.4	-72.9833	36.27249	5025154	-1.6E+07	12517814
238.8	348983.9	-72.9758	36.26756	5027775	-1.6E+07	12516711
239	349608.6	-72.9682	36.26262	5030395	-1.6E+07	12515608
239.2	350232.5	-72.9607	36.25769	5033015	-1.6E+07	12514503
239.4	350855.6	-72.9532	36.25275	5035635	-1.6E+07	12513398
239.6	351478	-72.9457	36.24781	5038255	-1.6E+07	12512293
239.8	352099.5	-72.9382	36.24288	5040874	-1.6E+07	12511186
240	352720.3	-72.9306	36.23794	5043493	-1.6E+07	12510079
240.2	353340.2	-72.9231	36.233	5046111	-1.6E+07	12508971

240.35	353804.7	-72.9175	36.2293	5048075	-1.6E+07	12508140
240.4	353959.4	-72.9156	36.22807	5048729	-1.6E+07	12507863
240.55	354437.5	-72.9099	36.22431	5050726	-1.6E+07	12507023
240.6	354592	-72.908	36.22307	5051381	-1.6E+07	12506745
240.8	355209.8	-72.9005	36.21814	5053998	-1.6E+07	12505635
241	355826.8	-72.893	36.2132	5056616	-1.6E+07	12504525
241.2	356443	-72.8855	36.20826	5059233	-1.6E+07	12503413
241.4	357058.5	-72.878	36.20332	5061850	-1.6E+07	12502301
241.6	357673.2	-72.8705	36.19838	5064467	-1.6E+07	12501188
241.8	358287	-72.863	36.19344	5067083	-1.6E+07	12500074
242	358900.1	-72.8555	36.1885	5069699	-1.6E+07	12498960
242.0516	359058.4	-72.8535	36.18722	5070374	-1.6E+07	12498672
242.2	359512.4	-72.848	36.18356	5072314	-1.6E+07	12497845
242.4	360123.9	-72.8405	36.17862	5074930	-1.6E+07	12496729
242.6	360734.6	-72.833	36.17368	5077545	-1.6E+07	12495612
242.8	361344.5	-72.8255	36.16873	5080159	-1.6E+07	12494495
243	361953.6	-72.818	36.16379	5082773	-1.6E+07	12493377
243.2	362561.9	-72.8105	36.15885	5085387	-1.6E+07	12492258
243.4	363169.4	-72.803	36.15391	5088001	-1.6E+07	12491138
243.6	363776.2	-72.7955	36.14896	5090615	-1.6E+07	12490018
243.8	364382.1	-72.788	36.14402	5093228	-1.6E+07	12488897
244	364987.3	-72.7805	36.13908	5095840	-1.6E+07	12487775
244.2	365591.6	-72.773	36.13414	5098453	-1.6E+07	12486652
244.4	366195.2	-72.7655	36.12919	5101065	-1.6E+07	12485529
244.6	366797.9	-72.7581	36.12425	5103677	-1.6E+07	12484405
244.8	367399.9	-72.7506	36.1193	5106288	-1.6E+07	12483281
245	368001.1	-72.7431	36.11436	5108899	-1.6E+07	12482155
245.2	368601.5	-72.7356	36.10941	5111510	-1.6E+07	12481029
245.4	369201.1	-72.7282	36.10447	5114120	-1.6E+07	12479902
245.6	369799.9	-72.7207	36.09952	5116730	-1.6E+07	12478774
245.8	370397.9	-72.7132	36.09458	5119340	-1.6E+07	12477646
246	370995.1	-72.7057	36.08963	5121950	-1.6E+07	12476517
246.2	371591.5	-72.6983	36.08468	5124559	-1.6E+07	12475387
246.4	372187.2	-72.6908	36.07974	5127168	-1.6E+07	12474257
246.6	372782	-72.6833	36.07479	5129776	-1.6E+07	12473125
246.8	373376.1	-72.6759	36.06984	5132385	-1.6E+07	12471993
247	373969.3	-72.6684	36.06489	5134992	-1.6E+07	12470861
247.2	374561.8	-72.6609	36.05995	5137600	-1.6E+07	12469727
247.4	375153.4	-72.6535	36.055	5140207	-1.6E+07	12468593
247.6	375744.3	-72.646	36.05005	5142814	-1.6E+07	12467458
247.8	376334.4	-72.6386	36.0451	5145421	-1.6E+07	12466322
248	376923.7	-72.6311	36.04015	5148027	-1.6E+07	12465186
248.2	377512.2	-72.6236	36.0352	5150633	-1.6E+07	12464049
248.4	378099.9	-72.6162	36.03025	5153239	-1.6E+07	12462911
248.6	378686.8	-72.6087	36.0253	5155844	-1.6E+07	12461772
248.8	379272.9	-72.6013	36.02035	5158449	-1.6E+07	12460633
249	379858.3	-72.5938	36.0154	5161054	-1.6E+07	12459493

249.2	380442.8	-72.5864	36.01045	5163658	-1.6E+07	12458352
249.4	381026.5	-72.5789	36.0055	5166262	-1.6E+07	12457211
249.6	381609.5	-72.5715	36.00055	5168866	-1.6E+07	12456069
249.8	382191.7	-72.5641	35.9956	5171469	-1.6E+07	12454926
250	382773	-72.5566	35.99064	5174072	-1.6E+07	12453782
250.2	383353.6	-72.5492	35.98569	5176675	-1.6E+07	12452638
250.4	383933.4	-72.5417	35.98074	5179277	-1.6E+07	12451492
250.6	384512.4	-72.5343	35.97579	5181879	-1.6E+07	12450347
250.8	385090.6	-72.5269	35.97083	5184481	-1.6E+07	12449200
251	385668	-72.5194	35.96588	5187082	-1.6E+07	12448053
251.2	386244.6	-72.512	35.96092	5189683	-1.6E+07	12446905
251.4	386820.4	-72.5046	35.95597	5192284	-1.6E+07	12445756
251.6	387395.5	-72.4971	35.95102	5194885	-1.6E+07	12444606
251.8	387969.7	-72.4897	35.94606	5197485	-1.6E+07	12443456
252	388543.1	-72.4823	35.94111	5200085	-1.6E+07	12442305
252.2	389115.8	-72.4748	35.93615	5202684	-1.6E+07	12441154
252.4	389687.7	-72.4674	35.9312	5205283	-1.6E+07	12440001
252.6	390258.7	-72.46	35.92624	5207882	-1.6E+07	12438848
252.8	390829	-72.4526	35.92128	5210480	-1.6E+07	12437694
253	391398.5	-72.4452	35.91633	5213079	-1.6E+07	12436540
253.2	391967.2	-72.4377	35.91137	5215676	-1.6E+07	12435384
253.4	392535.1	-72.4303	35.90641	5218274	-1.6E+07	12434228
253.6	393102.2	-72.4229	35.90145	5220871	-1.6E+07	12433071
253.8	393668.5	-72.4155	35.8965	5223468	-1.6E+07	12431914
254	394234.1	-72.4081	35.89154	5226065	-1.6E+07	12430756
254.2	394798.8	-72.4007	35.88658	5228661	-1.6E+07	12429597
254.4	395362.7	-72.3933	35.88162	5231257	-1.6E+07	12428437
254.6	395925.9	-72.3859	35.87666	5233852	-1.6E+07	12427277
254.8	396488.2	-72.3785	35.8717	5236447	-1.6E+07	12426116
255	397049.8	-72.371	35.86674	5239042	-1.6E+07	12424954
255.2	397610.6	-72.3636	35.86178	5241637	-1.6E+07	12423791
255.4	398170.6	-72.3562	35.85682	5244231	-1.6E+07	12422628
255.6	398729.8	-72.3488	35.85186	5246825	-1.6E+07	12421464
255.8	399288.2	-72.3414	35.8469	5249419	-1.6E+07	12420299
256	399845.8	-72.334	35.84194	5252012	-1.6E+07	12419134
256.2	400402.6	-72.3266	35.83698	5254605	-1.6E+07	12417967
256.4	400958.6	-72.3193	35.83202	5257197	-1.6E+07	12416800
256.6	401513.8	-72.3119	35.82706	5259790	-1.6E+07	12415633
256.8	402068.3	-72.3045	35.82209	5262382	-1.6E+07	12414464
257	402621.9	-72.2971	35.81713	5264973	-1.6E+07	12413295
257.2	403174.8	-72.2897	35.81217	5267565	-1.6E+07	12412126
257.4	403726.9	-72.2823	35.80721	5270156	-1.6E+07	12410955
257.6	404278.2	-72.2749	35.80224	5272746	-1.6E+07	12409784
257.8	404828.6	-72.2675	35.79728	5275337	-1.6E+07	12408612
258	405378.3	-72.2601	35.79231	5277926	-1.6E+07	12407439
258.2	405927.2	-72.2528	35.78735	5280516	-1.6E+07	12406266
258.4	406475.3	-72.2454	35.78238	5283105	-1.6E+07	12405091

258.6	407022.7	-72.238	35.77742	5285694	-1.7E+07	12403917
258.8	407569.2	-72.2306	35.77245	5288283	-1.7E+07	12402741
259	408114.9	-72.2233	35.76749	5290872	-1.7E+07	12401565
259.2	408659.9	-72.2159	35.76252	5293460	-1.7E+07	12400388
259.4	409204	-72.2085	35.75756	5296047	-1.7E+07	12399210
259.6	409747.4	-72.2011	35.75259	5298635	-1.7E+07	12398031
259.8	410290	-72.1938	35.74762	5301222	-1.7E+07	12396852
260	410831.8	-72.1864	35.74266	5303808	-1.7E+07	12395672
260.2	411372.8	-72.179	35.73769	5306395	-1.7E+07	12394492
260.4	411913	-72.1717	35.73272	5308981	-1.7E+07	12393310
260.6	412452.4	-72.1643	35.72775	5311566	-1.7E+07	12392128
260.8	412991	-72.1569	35.72278	5314152	-1.7E+07	12390945
261	413528.8	-72.1496	35.71782	5316737	-1.7E+07	12389762
261.2	414065.8	-72.1422	35.71285	5319322	-1.7E+07	12388577
261.4	414602.1	-72.1349	35.70788	5321906	-1.7E+07	12387392
261.6	415137.5	-72.1275	35.70291	5324490	-1.7E+07	12386207
261.8	415672.2	-72.1201	35.69794	5327074	-1.7E+07	12385020
262	416206.1	-72.1128	35.69297	5329657	-1.7E+07	12383833
262.2	416739.2	-72.1054	35.688	5332240	-1.7E+07	12382645
262.4	417271.5	-72.0981	35.68303	5334823	-1.7E+07	12381457
262.6	417803	-72.0907	35.67805	5337405	-1.7E+07	12380267
262.8	418333.7	-72.0834	35.67308	5339988	-1.7E+07	12379077
263	418863.6	-72.076	35.66811	5342569	-1.7E+07	12377887
263.2	419392.7	-72.0687	35.66314	5345151	-1.7E+07	12376695
263.4	419921	-72.0613	35.65817	5347732	-1.7E+07	12375503
263.6	420448.6	-72.054	35.65319	5350313	-1.7E+07	12374310
263.8	420975.3	-72.0467	35.64822	5352893	-1.7E+07	12373116
264	421501.3	-72.0393	35.64325	5355473	-1.7E+07	12371922
264.2	422026.5	-72.032	35.63827	5358053	-1.7E+07	12370727
264.4	422550.9	-72.0246	35.6333	5360632	-1.7E+07	12369531
264.6	423074.5	-72.0173	35.62833	5363211	-1.7E+07	12368335
264.8	423597.3	-72.01	35.62335	5365790	-1.7E+07	12367137
265	424119.3	-72.0026	35.61838	5368369	-1.7E+07	12365939
265.2	424640.5	-71.9953	35.6134	5370947	-1.7E+07	12364741
265.4	425160.9	-71.988	35.60843	5373524	-1.7E+07	12363541
265.6	425680.6	-71.9806	35.60345	5376102	-1.7E+07	12362341
265.8	426199.4	-71.9733	35.59847	5378679	-1.7E+07	12361140
266	426717.5	-71.966	35.5935	5381256	-1.7E+07	12359939
266.2	427234.7	-71.9587	35.58852	5383832	-1.7E+07	12358736
266.4	427751.2	-71.9513	35.58354	5386408	-1.7E+07	12357533
266.6	428266.9	-71.944	35.57857	5388984	-1.7E+07	12356330
266.8	428781.8	-71.9367	35.57359	5391560	-1.7E+07	12355125
267	429295.9	-71.9294	35.56861	5394135	-1.7E+07	12353920
267.2	429809.2	-71.9221	35.56363	5396710	-1.7E+07	12352714
267.4	430321.8	-71.9148	35.55865	5399284	-1.7E+07	12351508
267.6	430833.5	-71.9074	35.55368	5401858	-1.7E+07	12350300
267.8	431344.4	-71.9001	35.5487	5404432	-1.7E+07	12349092

268	431854.6	-71.8928	35.54372	5407005	-1.7E+07	12347884
268.2	432364	-71.8855	35.53874	5409578	-1.7E+07	12346674
268.4	432872.5	-71.8782	35.53376	5412151	-1.7E+07	12345464
268.6	433380.3	-71.8709	35.52878	5414724	-1.7E+07	12344253
268.8	433887.3	-71.8636	35.5238	5417296	-1.7E+07	12343042
269	434393.5	-71.8563	35.51882	5419868	-1.7E+07	12341829
269.2	434899	-71.849	35.51383	5422439	-1.7E+07	12340616
269.4	435403.6	-71.8417	35.50885	5425010	-1.7E+07	12339402
269.6	435907.4	-71.8344	35.50387	5427581	-1.7E+07	12338188
269.8	436410.5	-71.8271	35.49889	5430151	-1.7E+07	12336973
270	436912.7	-71.8198	35.49391	5432722	-1.7E+07	12335757
270.2	437414.2	-71.8125	35.48892	5435291	-1.7E+07	12334540
270.4	437914.9	-71.8052	35.48394	5437861	-1.7E+07	12333323
270.55	438289.9	-71.7997	35.4802	5439788	-1.7E+07	12332409
270.6	438414.8	-71.7979	35.47896	5440430	-1.7E+07	12332105
270.8	438913.9	-71.7906	35.47397	5442999	-1.7E+07	12330886
271	439412.2	-71.7833	35.46899	5445567	-1.7E+07	12329667
271.2	439909.7	-71.776	35.464	5448135	-1.7E+07	12328446
271.4	440406.4	-71.7687	35.45902	5450703	-1.7E+07	12327225
271.6	440902.4	-71.7614	35.45403	5453270	-1.7E+07	12326004
271.8	441397.5	-71.7541	35.44905	5455838	-1.7E+07	12324782
272	441891.9	-71.7469	35.44406	5458404	-1.7E+07	12323558
272.2	442385.4	-71.7396	35.43908	5460971	-1.7E+07	12322335
272.4	442878.2	-71.7323	35.43409	5463537	-1.7E+07	12321110
272.6	443370.2	-71.725	35.4291	5466103	-1.7E+07	12319885
272.8	443861.4	-71.7177	35.42412	5468668	-1.7E+07	12318659
273	444351.8	-71.7105	35.41913	5471233	-1.7E+07	12317432
273.2	444841.4	-71.7032	35.41414	5473798	-1.7E+07	12316205
273.4	445330.3	-71.6959	35.40915	5476362	-1.7E+07	12314977
273.6	445818.3	-71.6886	35.40417	5478926	-1.7E+07	12313748
273.8	446305.6	-71.6814	35.39918	5481490	-1.7E+07	12312519
274	446792	-71.6741	35.39419	5484054	-1.7E+07	12311288
274.2	447277.7	-71.6668	35.3892	5486617	-1.7E+07	12310058
274.4	447762.6	-71.6596	35.38421	5489179	-1.7E+07	12308826
274.6	448246.7	-71.6523	35.37922	5491742	-1.7E+07	12307594
274.8	448730	-71.645	35.37423	5494304	-1.7E+07	12306361
275	449212.5	-71.6378	35.36924	5496866	-1.7E+07	12305127
275.2	449694.3	-71.6305	35.36425	5499427	-1.7E+07	12303892
275.4	450175.2	-71.6232	35.35926	5501988	-1.7E+07	12302657
275.6	450655.4	-71.616	35.35427	5504549	-1.7E+07	12301421
275.8	451134.7	-71.6087	35.34927	5507109	-1.7E+07	12300185
276	451613.3	-71.6015	35.34428	5509669	-1.7E+07	12298947
276.2	452091.1	-71.5942	35.33929	5512229	-1.7E+07	12297709
276.4	452568.1	-71.5869	35.3343	5514788	-1.7E+07	12296470
276.6	453044.3	-71.5797	35.3293	5517347	-1.7E+07	12295231
276.8	453519.7	-71.5724	35.32431	5519906	-1.7E+07	12293991
277	453994.3	-71.5652	35.31932	5522464	-1.7E+07	12292750

277.2	454468.2	-71.5579	35.31432	5525022	-1.7E+07	12291508
277.4	454941.2	-71.5507	35.30933	5527580	-1.7E+07	12290266
277.6	455413.5	-71.5435	35.30434	5530137	-1.7E+07	12289023
277.8	455885	-71.5362	35.29934	5532694	-1.7E+07	12287779
278	456355.6	-71.529	35.29435	5535251	-1.7E+07	12286535
278.2	456825.5	-71.5217	35.28935	5537807	-1.7E+07	12285289
278.4	457294.6	-71.5145	35.28435	5540363	-1.7E+07	12284044
278.6	457763	-71.5072	35.27936	5542919	-1.7E+07	12282797
278.8	458230.5	-71.5	35.27436	5545474	-1.7E+07	12281550
279	458697.2	-71.4928	35.26936	5548029	-1.7E+07	12280302
279.2	459163.2	-71.4855	35.26437	5550584	-1.7E+07	12279053
279.4	459628.4	-71.4783	35.25937	5553138	-1.7E+07	12277803
279.6	460092.7	-71.4711	35.25437	5555692	-1.7E+07	12276553
279.8	460556.3	-71.4638	35.24937	5558246	-1.7E+07	12275302
280	461019.1	-71.4566	35.24438	5560799	-1.7E+07	12274051
280.2	461481.1	-71.4494	35.23938	5563352	-1.7E+07	12272799
280.4	461942.3	-71.4421	35.23438	5565905	-1.7E+07	12271546
280.6	462402.8	-71.4349	35.22938	5568457	-1.7E+07	12270292
280.8	462862.4	-71.4277	35.22438	5571009	-1.7E+07	12269037
281	463321.3	-71.4205	35.21938	5573560	-1.7E+07	12267782
281.2	463779.3	-71.4132	35.21438	5576112	-1.7E+07	12266526
281.4	464236.6	-71.406	35.20938	5578663	-1.7E+07	12265270
281.6	464693.1	-71.3988	35.20438	5581213	-1.7E+07	12264013
281.8	465148.8	-71.3916	35.19938	5583763	-1.7E+07	12262755
282	465603.7	-71.3844	35.19438	5586313	-1.7E+07	12261496
282.2	466057.9	-71.3772	35.18937	5588863	-1.7E+07	12260237
282.4	466511.2	-71.3699	35.18437	5591412	-1.7E+07	12258977
282.6	466963.7	-71.3627	35.17937	5593961	-1.7E+07	12257716
282.8	467415.5	-71.3555	35.17437	5596509	-1.7E+07	12256454
283	467866.5	-71.3483	35.16936	5599058	-1.7E+07	12255192
283.2	468316.7	-71.3411	35.16436	5601605	-1.7E+07	12253929
283.4	468766.1	-71.3339	35.15936	5604153	-1.7E+07	12252665
283.6	469214.7	-71.3267	35.15435	5606700	-1.7E+07	12251401
283.8	469662.5	-71.3195	35.14935	5609247	-1.7E+07	12250136
284	470109.5	-71.3123	35.14434	5611793	-1.7E+07	12248870
284.2	470555.8	-71.3051	35.13934	5614340	-1.7E+07	12247604
284.4	471001.2	-71.2979	35.13433	5616885	-1.7E+07	12246337
284.6	471445.9	-71.2907	35.12933	5619431	-1.7E+07	12245069
284.8	471889.8	-71.2835	35.12432	5621976	-1.7E+07	12243800
285	472332.9	-71.2763	35.11931	5624521	-1.7E+07	12242531
285.2	472775.2	-71.2691	35.11431	5627065	-1.7E+07	12241261
285.4	473216.7	-71.2619	35.1093	5629609	-1.7E+07	12239990
285.6	473657.4	-71.2547	35.10429	5632153	-1.7E+07	12238719
285.8	474097.3	-71.2475	35.09928	5634696	-1.7E+07	12237447
286	474536.5	-71.2403	35.09428	5637239	-1.7E+07	12236174
286.2	474974.9	-71.2331	35.08927	5639782	-1.7E+07	12234900
286.4	475412.4	-71.2259	35.08426	5642324	-1.7E+07	12233626

286.6	475849.2	-71.2188	35.07925	5644866	-1.7E+07	12232351
286.8	476285.2	-71.2116	35.07424	5647408	-1.7E+07	12231075
287	476720.4	-71.2044	35.06923	5649950	-1.7E+07	12229799
287.2	477154.9	-71.1972	35.06422	5652491	-1.7E+07	12228522
287.4	477588.5	-71.19	35.05921	5655031	-1.7E+07	12227244
287.6	478021.4	-71.1828	35.0542	5657571	-1.7E+07	12225966
287.8	478453.4	-71.1757	35.04919	5660111	-1.7E+07	12224687
288	478884.7	-71.1685	35.04418	5662651	-1.7E+07	12223407
288.2	479315.2	-71.1613	35.03917	5665190	-1.7E+07	12222126
288.4	479744.9	-71.1541	35.03416	5667729	-1.7E+07	12220845
288.6	480173.8	-71.147	35.02914	5670268	-1.7E+07	12219563
288.8	480601.9	-71.1398	35.02413	5672806	-1.7E+07	12218280
289	481029.3	-71.1326	35.01912	5675344	-1.7E+07	12216997
289.2	481455.8	-71.1254	35.0141	5677882	-1.7E+07	12215713
289.4	481881.6	-71.1183	35.00909	5680419	-1.7E+07	12214428
289.6	482306.6	-71.1111	35.00408	5682956	-1.7E+07	12213142
289.8	482730.7	-71.1039	34.99906	5685492	-1.7E+07	12211856
290	483154.1	-71.0968	34.99405	5688029	-1.7E+07	12210569
290.2	483576.8	-71.0896	34.98903	5690564	-1.7E+07	12209281
290.4	483998.6	-71.0825	34.98402	5693100	-1.7E+07	12207993
290.6	484419.6	-71.0753	34.979	5695635	-1.7E+07	12206704
290.8	484839.9	-71.0681	34.97399	5698170	-1.7E+07	12205414
291	485259.3	-71.061	34.96897	5700704	-1.7E+07	12204124
291.2	485678	-71.0538	34.96395	5703238	-1.7E+07	12202833
291.4	486095.9	-71.0467	34.95894	5705772	-1.7E+07	12201541
291.6	486513	-71.0395	34.95392	5708306	-1.7E+07	12200248
291.8	486929.3	-71.0324	34.9489	5710839	-1.7E+07	12198955
292	487344.9	-71.0252	34.94389	5713372	-1.7E+07	12197661
292.2	487759.6	-71.0181	34.93887	5715904	-1.7E+07	12196366
292.4	488173.5	-71.0109	34.93385	5718436	-1.7E+07	12195071
292.6	488586.7	-71.0038	34.92883	5720968	-1.7E+07	12193775
292.8	488999.1	-70.9966	34.92381	5723499	-1.7E+07	12192478
293	489410.7	-70.9895	34.91879	5726030	-1.7E+07	12191180
293.2	489821.5	-70.9823	34.91377	5728561	-1.7E+07	12189882
293.4	490231.5	-70.9752	34.90875	5731091	-1.7E+07	12188583
293.6	490640.7	-70.968	34.90373	5733621	-1.7E+07	12187284
293.8	491049.2	-70.9609	34.89871	5736151	-1.7E+07	12185983
294	491456.8	-70.9538	34.89369	5738680	-1.7E+07	12184682
294.2	491863.7	-70.9466	34.88867	5741209	-1.7E+07	12183381
294.4	492269.8	-70.9395	34.88365	5743738	-1.7E+07	12182078
294.6	492675.1	-70.9324	34.87862	5746266	-1.7E+07	12180775
294.8	493079.6	-70.9252	34.8736	5748794	-1.7E+07	12179471
295	493483.3	-70.9181	34.86858	5751321	-1.7E+07	12178167
295.2	493886.3	-70.911	34.86356	5753848	-1.7E+07	12176862
295.4	494288.4	-70.9038	34.85853	5756375	-1.7E+07	12175556
295.6	494689.8	-70.8967	34.85351	5758902	-1.7E+07	12174249
295.8	495090.4	-70.8896	34.84849	5761428	-1.7E+07	12172942

296	495490.2	-70.8825	34.84346	5763954	-1.7E+07	12171634
296.2	495889.2	-70.8753	34.83844	5766479	-1.7E+07	12170325
296.4	496287.4	-70.8682	34.83341	5769004	-1.7E+07	12169015
296.6	496684.8	-70.8611	34.82839	5771529	-1.7E+07	12167705
296.8	497081.4	-70.854	34.82336	5774054	-1.7E+07	12166395
297	497477.3	-70.8468	34.81833	5776578	-1.7E+07	12165083
297.2	497872.4	-70.8397	34.81331	5779101	-1.7E+07	12163771
297.4	498266.7	-70.8326	34.80828	5781625	-1.7E+07	12162458
297.6	498660.2	-70.8255	34.80325	5784148	-1.7E+07	12161144
297.8	499052.9	-70.8184	34.79823	5786671	-1.7E+07	12159830
298	499444.8	-70.8113	34.7932	5789193	-1.7E+07	12158515
298.2	499835.9	-70.8041	34.78817	5791715	-1.7E+07	12157199
298.4	500226.3	-70.797	34.78314	5794237	-1.7E+07	12155883
298.6	500615.8	-70.7899	34.77811	5796758	-1.7E+07	12154566
298.8	501004.6	-70.7828	34.77309	5799279	-1.7E+07	12153248
299	501392.6	-70.7757	34.76806	5801799	-1.7E+07	12151929
299.2	501779.8	-70.7686	34.76303	5804320	-1.7E+07	12150610
299.4	502166.2	-70.7615	34.758	5806840	-1.7E+07	12149290
299.6	502551.9	-70.7544	34.75297	5809359	-1.7E+07	12147969
299.8	502936.7	-70.7473	34.74793	5811878	-1.7E+07	12146648
300	503320.8	-70.7402	34.7429	5814397	-1.7E+07	12145326
300.2	503704	-70.7331	34.73787	5816916	-1.7E+07	12144003
300.4	504086.5	-70.726	34.73284	5819434	-1.7E+07	12142680
300.6	504468.2	-70.7189	34.72781	5821952	-1.7E+07	12141356
300.8	504849.2	-70.7118	34.72278	5824469	-1.7E+07	12140031
301	505229.3	-70.7047	34.71774	5826986	-1.7E+07	12138705
301.2	505608.6	-70.6976	34.71271	5829503	-1.7E+07	12137379
301.4	505987.2	-70.6905	34.70768	5832019	-1.7E+07	12136052
301.6	506365	-70.6834	34.70264	5834535	-1.7E+07	12134725
301.8	506741.9	-70.6763	34.69761	5837051	-1.7E+07	12133396
302	507118.1	-70.6693	34.69258	5839567	-1.7E+07	12132067
302.2	507493.5	-70.6622	34.68754	5842082	-1.7E+07	12130738
302.4	507868.2	-70.6551	34.68251	5844596	-1.7E+07	12129407
302.6	508242	-70.648	34.67747	5847111	-1.7E+07	12128076
302.8	508615.1	-70.6409	34.67243	5849625	-1.7E+07	12126744
303	508987.3	-70.6338	34.6674	5852138	-1.7E+07	12125412
303.2	509358.8	-70.6268	34.66236	5854651	-1.7E+07	12124079
303.4	509729.5	-70.6197	34.65732	5857164	-1.7E+07	12122745
303.6	510099.4	-70.6126	34.65229	5859677	-1.7E+07	12121410
303.8	510468.5	-70.6055	34.64725	5862189	-1.7E+07	12120075
304	510836.9	-70.5984	34.64221	5864701	-1.7E+07	12118739
304.2	511204.4	-70.5914	34.63717	5867212	-1.7E+07	12117402
304.4	511571.2	-70.5843	34.63214	5869724	-1.7E+07	12116065
304.6	511937.2	-70.5772	34.6271	5872234	-1.7E+07	12114727
304.8	512302.4	-70.5701	34.62206	5874745	-1.7E+07	12113388
305	512666.8	-70.5631	34.61702	5877255	-1.7E+07	12112049
305.2	513030.4	-70.556	34.61198	5879765	-1.7E+07	12110709

305.4	513393.3	-70.5489	34.60694	5882274	-1.7E+07	12109368
305.6	513755.3	-70.5419	34.6019	5884783	-1.7E+07	12108026
305.8	514116.6	-70.5348	34.59686	5887292	-1.7E+07	12106684
306	514477.1	-70.5277	34.59182	5889800	-1.7E+07	12105341
306.2	514836.7	-70.5207	34.58677	5892308	-1.7E+07	12103997
306.4	515195.7	-70.5136	34.58173	5894816	-1.7E+07	12102653
306.6	515553.8	-70.5066	34.57669	5897323	-1.7E+07	12101308
306.8	515911.1	-70.4995	34.57165	5899830	-1.7E+07	12099962
307	516267.7	-70.4924	34.56661	5902336	-1.7E+07	12098616
307.2	516623.4	-70.4854	34.56156	5904843	-1.7E+07	12097269
307.4	516978.4	-70.4783	34.55652	5907349	-1.7E+07	12095921
307.6	517332.6	-70.4713	34.55147	5909854	-1.7E+07	12094573
307.8	517686	-70.4642	34.54643	5912359	-1.7E+07	12093223
308	518038.6	-70.4572	34.54139	5914864	-1.7E+07	12091873
308.2	518390.5	-70.4501	34.53634	5917368	-1.7E+07	12090523
308.4	518741.5	-70.4431	34.5313	5919873	-1.7E+07	12089172
308.6	519091.8	-70.436	34.52625	5922376	-1.7E+07	12087820
308.8	519441.3	-70.429	34.5212	5924880	-1.7E+07	12086467
309	519790	-70.4219	34.51616	5927383	-1.7E+07	12085114
309.2	520137.9	-70.4149	34.51111	5929885	-1.7E+07	12083760
309.4	520485	-70.4078	34.50606	5932388	-1.7E+07	12082405
309.6	520831.4	-70.4008	34.50102	5934890	-1.7E+07	12081049
309.8	521176.9	-70.3938	34.49597	5937391	-1.7E+07	12079693
310	521521.7	-70.3867	34.49092	5939893	-1.7E+07	12078336
310.2	521865.7	-70.3797	34.48587	5942394	-1.7E+07	12076979
310.4	522208.9	-70.3726	34.48082	5944894	-1.7E+07	12075621
310.6	522551.3	-70.3656	34.47578	5947394	-1.7E+07	12074262
310.8	522892.9	-70.3586	34.47073	5949894	-1.7E+07	12072902
311	523233.8	-70.3515	34.46568	5952394	-1.7E+07	12071542
311.2	523573.8	-70.3445	34.46063	5954893	-1.7E+07	12070181
311.4	523913.1	-70.3375	34.45558	5957392	-1.7E+07	12068819
311.6	524251.6	-70.3305	34.45053	5959890	-1.7E+07	12067457
311.8	524589.3	-70.3234	34.44547	5962388	-1.7E+07	12066094
312	524926.2	-70.3164	34.44042	5964886	-1.7E+07	12064730
312.2	525262.3	-70.3094	34.43537	5967383	-1.7E+07	12063366
312.4	525597.7	-70.3023	34.43032	5969880	-1.7E+07	12062001
312.6	525932.3	-70.2953	34.42527	5972377	-1.7E+07	12060635
312.8	526266	-70.2883	34.42021	5974873	-1.7E+07	12059268
313	526599	-70.2813	34.41516	5977369	-1.7E+07	12057901
313.2	526931.2	-70.2743	34.41011	5979865	-1.7E+07	12056533
313.4	527262.7	-70.2672	34.40505	5982360	-1.7E+07	12055165
313.6	527593.3	-70.2602	34.4	5984855	-1.7E+07	12053795
313.8	527923.2	-70.2532	34.39494	5987349	-1.7E+07	12052425
314	528252.2	-70.2462	34.38989	5989844	-1.7E+07	12051055
314.2	528580.5	-70.2392	34.38483	5992337	-1.7E+07	12049683
314.4	528908	-70.2322	34.37978	5994831	-1.7E+07	12048311
314.6	529234.7	-70.2251	34.37472	5997324	-1.7E+07	12046939

314.8	529560.6	-70.2181	34.36967	5999817	-1.7E+07	12045565
315	529885.8	-70.2111	34.36461	6002309	-1.7E+07	12044191
315.2	530210.1	-70.2041	34.35955	6004801	-1.7E+07	12042816
315.4	530533.7	-70.1971	34.3545	6007293	-1.7E+07	12041441
315.6	530856.5	-70.1901	34.34944	6009784	-1.7E+07	12040065
315.8	531178.5	-70.1831	34.34438	6012275	-1.7E+07	12038688
316	531499.7	-70.1761	34.33932	6014766	-1.7E+07	12037310
316.2	531820.2	-70.1691	34.33426	6017256	-1.7E+07	12035932
316.4	532139.8	-70.1621	34.3292	6019746	-1.7E+07	12034553
316.6	532458.7	-70.1551	34.32414	6022235	-1.7E+07	12033173
316.8	532776.8	-70.1481	34.31908	6024724	-1.7E+07	12031793
317	533094.1	-70.1411	34.31402	6027213	-1.7E+07	12030412
317.2	533410.6	-70.1341	34.30896	6029702	-1.7E+07	12029030
317.4	533726.3	-70.1271	34.3039	6032190	-1.7E+07	12027648
317.6	534041.2	-70.1201	34.29884	6034677	-1.7E+07	12026265
317.8	534355.4	-70.1131	34.29378	6037165	-1.7E+07	12024881
318	534668.8	-70.1061	34.28872	6039652	-1.7E+07	12023497
318.2	534981.4	-70.0991	34.28366	6042138	-1.7E+07	12022111
318.4	535293.2	-70.0921	34.27859	6044625	-1.7E+07	12020726
318.6	535604.2	-70.0851	34.27353	6047111	-1.7E+07	12019339
318.8	535914.4	-70.0782	34.26847	6049596	-1.7E+07	12017952
319	536223.9	-70.0712	34.2634	6052082	-1.7E+07	12016564
319.2	536532.5	-70.0642	34.25834	6054566	-1.7E+07	12015175
319.4	536840.4	-70.0572	34.25328	6057051	-1.7E+07	12013786
319.6	537147.5	-70.0502	34.24821	6059535	-1.7E+07	12012396
319.8	537453.8	-70.0432	34.24315	6062019	-1.7E+07	12011006
320	537759.3	-70.0363	34.23808	6064502	-1.7E+07	12009614
320.2	538064.1	-70.0293	34.23301	6066985	-1.7E+07	12008222
320.25	538140.1	-70.0275	34.23175	6067606	-1.7E+07	12007874
320.4	538368	-70.0223	34.22795	6069468	-1.7E+07	12006830
320.45	538443.9	-70.0206	34.22668	6070089	-1.7E+07	12006481
320.6	538671.2	-70.0153	34.22288	6071950	-1.7E+07	12005436
320.8	538973.6	-70.0083	34.21782	6074432	-1.7E+07	12004042
321	539275.2	-70.0014	34.21275	6076914	-1.7E+07	12002647
321.2	539576	-69.9944	34.20768	6079395	-1.7E+07	12001252
321.4	539876.1	-69.9874	34.20261	6081876	-1.7E+07	11999856
321.6	540175.3	-69.9805	34.19754	6084357	-1.7E+07	11998459
321.8	540473.8	-69.9735	34.19248	6086837	-1.7E+07	11997061
322	540771.5	-69.9665	34.18741	6089317	-1.7E+07	11995663
322.2	541068.4	-69.9595	34.18234	6091796	-1.7E+07	11994264
322.4	541364.5	-69.9526	34.17727	6094275	-1.7E+07	11992865
322.6	541659.8	-69.9456	34.1722	6096754	-1.7E+07	11991464
322.8	541954.4	-69.9386	34.16713	6099233	-1.7E+07	11990063
323	542248.1	-69.9317	34.16206	6101711	-1.7E+07	11988662
323.2	542541.1	-69.9247	34.15699	6104188	-1.7E+07	11987259
323.4	542833.3	-69.9178	34.15191	6106666	-1.7E+07	11985856
323.6	543124.7	-69.9108	34.14684	6109142	-1.7E+07	11984453

323.8	543415.3	-69.9038	34.14177	6111619	-1.7E+07	11983048
324	543705.2	-69.8969	34.1367	6114095	-1.7E+07	11981643
324.2	543994.2	-69.8899	34.13163	6116571	-1.7E+07	11980238
324.4	544282.5	-69.883	34.12655	6119047	-1.7E+07	11978831
324.6	544570	-69.876	34.12148	6121522	-1.7E+07	11977424
324.8	544856.7	-69.8691	34.11641	6123997	-1.7E+07	11976016
325	545142.6	-69.8621	34.11133	6126471	-1.7E+07	11974608
325.2	545427.7	-69.8552	34.10626	6128945	-1.7E+07	11973199
325.4	545712.1	-69.8482	34.10118	6131419	-1.7E+07	11971789
325.6	545995.7	-69.8413	34.09611	6133892	-1.7E+07	11970378
325.8	546278.5	-69.8343	34.09103	6136365	-1.7E+07	11968967
326	546560.5	-69.8274	34.08595	6138838	-1.7E+07	11967555
326.2	546841.7	-69.8204	34.08088	6141310	-1.7E+07	11966142
326.4	547122.1	-69.8135	34.0758	6143782	-1.7E+07	11964729
326.6	547401.7	-69.8065	34.07072	6146253	-1.7E+07	11963315
326.8	547680.6	-69.7996	34.06565	6148724	-1.7E+07	11961900
327	547958.7	-69.7927	34.06057	6151195	-1.7E+07	11960485
327.2	548236	-69.7857	34.05549	6153666	-1.7E+07	11959069
327.4	548512.5	-69.7788	34.05041	6156136	-1.7E+07	11957652
327.6	548788.2	-69.7718	34.04533	6158605	-1.7E+07	11956235
327.8	549063.2	-69.7649	34.04025	6161075	-1.7E+07	11954817
328	549337.3	-69.758	34.03517	6163544	-1.7E+07	11953398
328.2	549610.7	-69.751	34.03009	6166012	-1.7E+07	11951979
328.4	549883.3	-69.7441	34.02501	6168481	-1.7E+07	11950559
328.6	550155.1	-69.7372	34.01993	6170948	-1.7E+07	11949138
328.8	550426.1	-69.7302	34.01485	6173416	-1.7E+07	11947716
329	550696.4	-69.7233	34.00977	6175883	-1.7E+07	11946294
329.2	550965.8	-69.7164	34.00469	6178350	-1.7E+07	11944871
329.4	551234.5	-69.7095	33.99961	6180816	-1.7E+07	11943448
329.6	551502.4	-69.7025	33.99452	6183282	-1.7E+07	11942024
329.8	551769.5	-69.6956	33.98944	6185748	-1.7E+07	11940599
330	552035.8	-69.6887	33.98436	6188213	-1.7E+07	11939173
330.2	552301.4	-69.6818	33.97927	6190678	-1.7E+07	11937747
330.4	552566.1	-69.6748	33.97419	6193143	-1.7E+07	11936320
330.6	552830.1	-69.6679	33.96911	6195607	-1.7E+07	11934892
330.8	553093.3	-69.661	33.96402	6198071	-1.7E+07	11933464
331	553355.7	-69.6541	33.95894	6200535	-1.7E+07	11932035
331.2	553617.3	-69.6472	33.95385	6202998	-1.7E+07	11930605
331.4	553878.2	-69.6403	33.94877	6205461	-1.7E+07	11929175
331.6	554138.2	-69.6333	33.94368	6207923	-1.7E+07	11927744
331.8	554397.5	-69.6264	33.93859	6210385	-1.7E+07	11926312
332	554656	-69.6195	33.93351	6212847	-1.7E+07	11924880
332.12	554810.7	-69.6154	33.93045	6214324	-1.7E+07	11924020
332.2	554913.5	-69.6126	33.92842	6215308	-1.7E+07	11923447
332.4	555170.4	-69.6057	33.92333	6217769	-1.7E+07	11922013
332.6	555426.6	-69.5988	33.91824	6220229	-1.7E+07	11920579
332.8	555681.9	-69.5919	33.91316	6222690	-1.7E+07	11919144

333	555936.5	-69.585	33.90807	6225149	-1.7E+07	11917708
333.2	556190.3	-69.5781	33.90298	6227609	-1.7E+07	11916271
333.4	556443.3	-69.5712	33.89789	6230068	-1.7E+07	11914834
333.6	556695.6	-69.5642	33.8928	6232527	-1.7E+07	11913396
333.8	556947	-69.5573	33.88771	6234985	-1.7E+07	11911958
334	557197.7	-69.5504	33.88262	6237443	-1.7E+07	11910519
334.2	557447.6	-69.5435	33.87753	6239901	-1.7E+07	11909079
334.4	557696.7	-69.5366	33.87244	6242358	-1.7E+07	11907638
334.6	557945	-69.5297	33.86734	6244815	-1.7E+07	11906197
334.8	558192.5	-69.5228	33.86225	6247272	-1.7E+07	11904755
335	558439.2	-69.516	33.85716	6249728	-1.7E+07	11903312
335.2	558685.2	-69.5091	33.85207	6252184	-1.7E+07	11901869
335.25	558746.6	-69.5073	33.85079	6252798	-1.7E+07	11901508
335.4	558930.4	-69.5022	33.84697	6254639	-1.7E+07	11900425
335.45	558991.6	-69.5004	33.8457	6255253	-1.7E+07	11900064
335.6	559174.8	-69.4953	33.84188	6257095	-1.7E+07	11898980
335.8	559418.4	-69.4884	33.83679	6259549	-1.7E+07	11897535
336	559661.2	-69.4815	33.83169	6262004	-1.7E+07	11896089
336.2	559903.3	-69.4746	33.8266	6264458	-1.7E+07	11894642
336.4	560144.5	-69.4677	33.8215	6266911	-1.7E+07	11893195
336.6	560385	-69.4608	33.81641	6269365	-1.7E+07	11891747
336.8	560624.7	-69.4539	33.81131	6271818	-1.7E+07	11890298
337	560863.6	-69.4471	33.80622	6274270	-1.7E+07	11888849
337.1999	561101.9	-69.4402	33.80112	6276723	-1.7E+07	11887399
337.3999	561339.2	-69.4333	33.79602	6279174	-1.7E+07	11885948
337.5999	561575.8	-69.4264	33.79092	6281626	-1.7E+07	11884496
337.7999	561811.6	-69.4195	33.78583	6284077	-1.7E+07	11883044
337.9999	562046.6	-69.4126	33.78073	6286528	-1.7E+07	11881591
338.1999	562280.8	-69.4058	33.77563	6288978	-1.7E+07	11880138
338.3999	562514.3	-69.3989	33.77053	6291428	-1.7E+07	11878684
338.5999	562747	-69.392	33.76543	6293878	-1.7E+07	11877229
338.7999	562978.8	-69.3851	33.76033	6296327	-1.7E+07	11875773
338.9999	563209.9	-69.3783	33.75523	6298776	-1.7E+07	11874317
339.1999	563440.3	-69.3714	33.75013	6301225	-1.7E+07	11872860
339.3999	563669.8	-69.3645	33.74503	6303673	-1.7E+07	11871403
339.5999	563898.5	-69.3576	33.73993	6306120	-1.7E+07	11869945
339.7999	564126.5	-69.3508	33.73483	6308568	-1.7E+07	11868486
339.9999	564353.7	-69.3439	33.72973	6311015	-1.7E+07	11867026
340.1999	564580.1	-69.337	33.72463	6313462	-1.7E+07	11865566
340.3999	564805.7	-69.3302	33.71952	6315908	-1.7E+07	11864105
340.5999	565030.6	-69.3233	33.71442	6318354	-1.7E+07	11862643
340.7999	565254.6	-69.3164	33.70932	6320799	-1.7E+07	11861181
340.9999	565477.9	-69.3096	33.70421	6323245	-1.7E+07	11859718
341.1999	565700.4	-69.3027	33.69911	6325690	-1.7E+07	11858254
341.2016	565702.2	-69.3027	33.69907	6325710	-1.7E+07	11858242
341.2049	565705.9	-69.3025	33.69898	6325751	-1.7E+07	11858218
341.3999	565922.1	-69.2958	33.69401	6328134	-1.7E+07	11856790

341.5999	566143.5	-69.289	33.6889	6330579	-1.7E+07	11855324
341.7999	566364.6	-69.2821	33.68379	6333025	-1.7E+07	11853858
341.9999	566585.4	-69.2753	33.67868	6335472	-1.7E+07	11852390
342.1999	566805.8	-69.2684	33.67356	6337919	-1.7E+07	11850921
342.3999	567025.9	-69.2615	33.66844	6340367	-1.7E+07	11849451
342.5999	567245.6	-69.2546	33.66332	6342816	-1.7E+07	11847979
342.7999	567465	-69.2478	33.6582	6345265	-1.7E+07	11846507
342.9999	567684.1	-69.2409	33.65307	6347715	-1.7E+07	11845033
343.1999	567902.9	-69.234	33.64794	6350166	-1.7E+07	11843558
343.3999	568121.4	-69.2271	33.64281	6352617	-1.7E+07	11842082
343.5999	568339.5	-69.2203	33.63767	6355069	-1.7E+07	11840605
343.7999	568557.4	-69.2134	33.63253	6357522	-1.7E+07	11839126
343.9999	568775	-69.2065	33.62739	6359976	-1.7E+07	11837646
344.1999	568992.4	-69.1996	33.62225	6362431	-1.7E+07	11836165
344.3999	569209.4	-69.1927	33.6171	6364886	-1.7E+07	11834683
344.5999	569426.2	-69.1859	33.61195	6367342	-1.7E+07	11833200
344.7999	569642.8	-69.179	33.6068	6369799	-1.7E+07	11831716
344.9999	569859.1	-69.1721	33.60164	6372257	-1.7E+07	11830230
345.1999	570075.2	-69.1652	33.59649	6374715	-1.7E+07	11828743
345.3999	570291	-69.1583	33.59132	6377175	-1.7E+07	11827255
345.5999	570506.6	-69.1514	33.58616	6379635	-1.7E+07	11825766
345.7999	570722	-69.1445	33.58099	6382096	-1.7E+07	11824276
345.9999	570937.1	-69.1376	33.57582	6384558	-1.7E+07	11822784
346.1999	571152	-69.1307	33.57065	6387021	-1.7E+07	11821291
346.3999	571366.6	-69.1238	33.56547	6389484	-1.7E+07	11819797
346.5999	571581	-69.1169	33.56029	6391949	-1.7E+07	11818302
346.7999	571795.2	-69.11	33.55511	6394414	-1.7E+07	11816806
346.9999	572009.2	-69.1031	33.54992	6396881	-1.7E+07	11815308
347.1999	572222.9	-69.0961	33.54473	6399348	-1.7E+07	11813809
347.3999	572436.4	-69.0892	33.53954	6401816	-1.7E+07	11812309
347.5999	572649.8	-69.0823	33.53434	6404286	-1.7E+07	11810807
347.7999	572862.9	-69.0754	33.52914	6406756	-1.7E+07	11809304
347.9999	573075.8	-69.0685	33.52394	6409227	-1.7E+07	11807800
348.1999	573288.5	-69.0616	33.51873	6411699	-1.7E+07	11806295
348.3999	573501	-69.0546	33.51352	6414172	-1.7E+07	11804788
348.5999	573713.4	-69.0477	33.50831	6416646	-1.7E+07	11803280
348.7999	573925.5	-69.0408	33.50309	6419122	-1.7E+07	11801771
348.9999	574137.5	-69.0338	33.49787	6421598	-1.7E+07	11800260
349.1999	574349.3	-69.0269	33.49265	6424075	-1.7E+07	11798748
349.3999	574560.9	-69.02	33.48742	6426553	-1.7E+07	11797235
349.5999	574772.3	-69.013	33.48219	6429033	-1.7E+07	11795720
349.7999	574983.6	-69.0061	33.47695	6431513	-1.7E+07	11794204
349.9999	575194.7	-68.9991	33.47172	6433995	-1.7E+07	11792687
350.1999	575405.7	-68.9922	33.46647	6436478	-1.7E+07	11791168
350.3999	575616.6	-68.9852	33.46123	6438961	-1.7E+07	11789648
350.5999	575827.2	-68.9783	33.45598	6441446	-1.7E+07	11788127
350.7999	576037.8	-68.9713	33.45073	6443933	-1.7E+07	11786604

350.9999	576248.2	-68.9644	33.44547	6446420	-1.7E+07	11785080
351.1999	576458.4	-68.9574	33.44021	6448908	-1.7E+07	11783554
351.3999	576668.6	-68.9505	33.43495	6451398	-1.7E+07	11782027
351.5999	576878.6	-68.9435	33.42968	6453889	-1.7E+07	11780499
351.7999	577088.5	-68.9365	33.4244	6456381	-1.7E+07	11778969
351.9999	577298.2	-68.9296	33.41913	6458874	-1.7E+07	11777438
352.1999	577507.9	-68.9226	33.41385	6461369	-1.7E+07	11775905
352.3999	577717.4	-68.9156	33.40856	6463864	-1.7E+07	11774371
352.5999	577926.8	-68.9086	33.40328	6466361	-1.7E+07	11772835
352.7999	578136.2	-68.9016	33.39798	6468860	-1.7E+07	11771298
352.9999	578345.4	-68.8947	33.39269	6471359	-1.7E+07	11769760
353.1999	578554.5	-68.8877	33.38739	6473860	-1.7E+07	11768220
353.3999	578763.5	-68.8807	33.38208	6476363	-1.7E+07	11766678
353.5999	578972.5	-68.8737	33.37677	6478866	-1.7E+07	11765135
353.7999	579181.3	-68.8667	33.37146	6481371	-1.7E+07	11763591
353.9999	579390.1	-68.8597	33.36614	6483877	-1.7E+07	11762045
354.1999	579598.8	-68.8527	33.36082	6486385	-1.7E+07	11760498
354.3999	579807.4	-68.8457	33.3555	6488894	-1.7E+07	11758949
354.5999	580015.9	-68.8387	33.35017	6491404	-1.7E+07	11757398
354.7999	580224.4	-68.8316	33.34483	6493916	-1.7E+07	11755846
354.9999	580432.8	-68.8246	33.33949	6496429	-1.7E+07	11754293
355.1999	580641	-68.8176	33.33415	6498943	-1.7E+07	11752738
355.3999	580849.2	-68.8106	33.3288	6501459	-1.7E+07	11751181
355.5999	581057.3	-68.8036	33.32345	6503976	-1.7E+07	11749623
355.7999	581265.3	-68.7965	33.3181	6506495	-1.7E+07	11748064
355.9999	581473.3	-68.7895	33.31274	6509015	-1.7E+07	11746503
356.1999	581681.1	-68.7825	33.30737	6511536	-1.7E+07	11744940
356.3999	581888.8	-68.7754	33.30201	6514058	-1.7E+07	11743376
356.5999	582096.5	-68.7684	33.29663	6516582	-1.7E+07	11741810
356.7999	582304.1	-68.7613	33.29126	6519108	-1.7E+07	11740243
356.9999	582511.6	-68.7543	33.28587	6521635	-1.7E+07	11738675
357.1999	582719	-68.7472	33.28049	6524163	-1.7E+07	11737104
357.3999	582926.3	-68.7402	33.2751	6526692	-1.7E+07	11735533
357.5999	583133.6	-68.7331	33.2697	6529223	-1.7E+07	11733959
357.7999	583340.8	-68.7261	33.26431	6531756	-1.7E+07	11732384
357.9999	583547.9	-68.719	33.2589	6534289	-1.7E+07	11730808
358.1999	583754.9	-68.7119	33.25349	6536825	-1.7E+07	11729230
358.3999	583961.9	-68.7048	33.24808	6539361	-1.7E+07	11727650
358.5999	584168.7	-68.6978	33.24267	6541899	-1.7E+07	11726069
358.7999	584375.5	-68.6907	33.23724	6544439	-1.7E+07	11724486
358.9999	584582.2	-68.6836	33.23182	6546980	-1.7E+07	11722902
359.1999	584788.8	-68.6765	33.22639	6549522	-1.7E+07	11721316
359.3999	584995.3	-68.6694	33.22096	6552066	-1.7E+07	11719729
359.5999	585201.7	-68.6623	33.21552	6554611	-1.7E+07	11718140
359.7999	585408.1	-68.6552	33.21007	6557158	-1.7E+07	11716549
359.9999	585614.4	-68.6482	33.20463	6559706	-1.7E+07	11714957
360.1999	585820.5	-68.641	33.19917	6562255	-1.7E+07	11713364

360.3999	586026.6	-68.6339	33.19372	6564806	-1.7E+07	11711768
360.5999	586232.7	-68.6268	33.18826	6567359	-1.7E+07	11710171
360.7999	586438.6	-68.6197	33.18279	6569913	-1.7E+07	11708573
360.9999	586644.5	-68.6126	33.17732	6572468	-1.7E+07	11706973
361.1999	586850.3	-68.6055	33.17185	6575025	-1.7E+07	11705371
361.3999	587056	-68.5984	33.16637	6577583	-1.7E+07	11703768
361.5999	587261.6	-68.5912	33.16088	6580143	-1.7E+07	11702163
361.7999	587467.2	-68.5841	33.15539	6582704	-1.7E+07	11700556
361.9999	587672.7	-68.577	33.1499	6585267	-1.7E+07	11698948
362.1999	587878.1	-68.5698	33.1444	6587831	-1.7E+07	11697338
362.3999	588083.4	-68.5627	33.1389	6590397	-1.7E+07	11695727
362.5999	588288.7	-68.5556	33.13339	6592964	-1.7E+07	11694114
362.7999	588493.9	-68.5484	33.12788	6595533	-1.7E+07	11692499
362.9999	588699	-68.5413	33.12236	6598103	-1.7E+07	11690882
363.1999	588904.1	-68.5341	33.11684	6600675	-1.7E+07	11689264
363.3999	589109.1	-68.5269	33.11132	6603249	-1.7E+07	11687645
363.5999	589314	-68.5198	33.10579	6605824	-1.7E+07	11686023
363.7999	589518.9	-68.5126	33.10025	6608400	-1.7E+07	11684400
363.9999	589723.7	-68.5054	33.09471	6610978	-1.7E+07	11682775
364.1999	589928.4	-68.4983	33.08917	6613558	-1.7E+07	11681149
364.3999	590133.1	-68.4911	33.08362	6616139	-1.7E+07	11679521
364.5999	590337.7	-68.4839	33.07806	6618722	-1.7E+07	11677891
364.7999	590542.2	-68.4767	33.0725	6621306	-1.7E+07	11676260
364.9999	590746.7	-68.4695	33.06694	6623892	-1.7E+07	11674626
365.1999	590951.2	-68.4624	33.06137	6626480	-1.7E+07	11672991
365.3999	591155.5	-68.4552	33.05579	6629069	-1.7E+07	11671355
365.5999	591359.8	-68.448	33.05021	6631660	-1.7E+07	11669716
365.7999	591564.1	-68.4408	33.04463	6634253	-1.7E+07	11668076
365.9999	591768.3	-68.4335	33.03904	6636847	-1.7E+07	11666434
366.1999	591972.5	-68.4263	33.03345	6639442	-1.7E+07	11664791
366.3999	592176.5	-68.4191	33.02785	6642040	-1.7E+07	11663146
366.5999	592380.6	-68.4119	33.02224	6644639	-1.7E+07	11661498
366.7999	592584.6	-68.4047	33.01663	6647239	-1.7E+07	11659850
366.9999	592788.5	-68.3975	33.01102	6649842	-1.7E+07	11658199
367.1999	592992.4	-68.3902	33.0054	6652446	-1.7E+07	11656547
367.3999	593196.2	-68.383	32.99978	6655051	-1.7E+07	11654893
367.5999	593400	-68.3758	32.99415	6657659	-1.7E+07	11653237
367.7999	593603.7	-68.3685	32.98851	6660268	-1.7E+07	11651579
367.9999	593807.4	-68.3613	32.98287	6662879	-1.7E+07	11649920
368.1999	594011	-68.354	32.97723	6665491	-1.7E+07	11648258
368.3999	594214.6	-68.3468	32.97158	6668105	-1.7E+07	11646595
368.5999	594418.1	-68.3395	32.96592	6670721	-1.7E+07	11644930
368.7999	594621.6	-68.3322	32.96026	6673339	-1.7E+07	11643264
368.9999	594825	-68.325	32.95459	6675958	-1.7E+07	11641595
369.1999	595028.4	-68.3177	32.94892	6678579	-1.7E+07	11639925
369.3999	595231.8	-68.3104	32.94325	6681202	-1.7E+07	11638252
369.5999	595435.1	-68.3031	32.93756	6683827	-1.7E+07	11636578

369.7999	595638.4	-68.2959	32.93188	6686453	-1.7E+07	11634903
369.9999	595841.6	-68.2886	32.92618	6689082	-1.7E+07	11633225
370.1999	596044.8	-68.2813	32.92049	6691711	-1.7E+07	11631545
370.3999	596248	-68.274	32.91478	6694343	-1.7E+07	11629864
370.5999	596451.1	-68.2667	32.90907	6696977	-1.7E+07	11628180
370.7999	596654.1	-68.2594	32.90336	6699612	-1.7E+07	11626495
370.9999	596857.2	-68.2521	32.89764	6702249	-1.7E+07	11624808
371.1999	597060.2	-68.2448	32.89191	6704888	-1.7E+07	11623119
371.3999	597263.2	-68.2374	32.88618	6707529	-1.7E+07	11621428
371.5999	597466.1	-68.2301	32.88045	6710172	-1.7E+07	11619736
371.7999	597669	-68.2228	32.87471	6712816	-1.7E+07	11618041
371.9999	597871.9	-68.2155	32.86896	6715462	-1.7E+07	11616344
372.1999	598074.7	-68.2081	32.86321	6718111	-1.7E+07	11614646
372.3999	598277.5	-68.2008	32.85745	6720761	-1.7E+07	11612945
372.5999	598480.3	-68.1934	32.85168	6723413	-1.7E+07	11611243
372.7999	598683	-68.1861	32.84591	6726066	-1.7E+07	11609539
372.9999	598885.7	-68.1787	32.84014	6728722	-1.7E+07	11607832
373.1999	599088.4	-68.1714	32.83436	6731380	-1.7E+07	11606124
373.3999	599291.1	-68.164	32.82857	6734039	-1.7E+07	11604414
373.5999	599493.7	-68.1567	32.82278	6736700	-1.7E+07	11602702
373.7999	599696.3	-68.1493	32.81698	6739364	-1.7E+07	11600988
373.9999	599898.8	-68.1419	32.81118	6742029	-1.7E+07	11599272
374.1999	600101.3	-68.1345	32.80537	6744696	-1.7E+07	11597554
374.3999	600303.8	-68.1271	32.79955	6747365	-1.7E+07	11595834
374.5999	600506.3	-68.1198	32.79373	6750036	-1.7E+07	11594111
374.7999	600708.7	-68.1124	32.7879	6752709	-1.7E+07	11592387
374.9999	600911.1	-68.105	32.78207	6755384	-1.7E+07	11590661
375.1999	601113.5	-68.0976	32.77623	6758061	-1.7E+07	11588933
375.3999	601315.8	-68.0901	32.77039	6760740	-1.7E+07	11587203
375.5999	601518.1	-68.0827	32.76453	6763421	-1.7E+07	11585471
375.7999	601720.4	-68.0753	32.75868	6766104	-1.7E+07	11583737
375.9999	601922.6	-68.0679	32.75281	6768789	-1.7E+07	11582000
376.1999	602124.9	-68.0605	32.74695	6771475	-1.7E+07	11580262
376.3999	602327.1	-68.053	32.74107	6774164	-1.7E+07	11578521
376.5999	602529.2	-68.0456	32.73519	6776855	-1.7E+07	11576779
376.7999	602731.4	-68.0382	32.7293	6779548	-1.7E+07	11575034
376.9999	602933.5	-68.0307	32.72341	6782243	-1.7E+07	11573288
377.1999	603135.5	-68.0233	32.71751	6784940	-1.7E+07	11571539
377.3999	603337.6	-68.0158	32.71161	6787639	-1.7E+07	11569788
377.5999	603539.6	-68.0083	32.7057	6790340	-1.7E+07	11568035
377.7999	603741.6	-68.0009	32.69978	6793043	-1.7E+07	11566280
377.9999	603943.6	-67.9934	32.69385	6795748	-1.7E+07	11564523
378.1999	604145.5	-67.9859	32.68793	6798455	-1.7E+07	11562764
378.3999	604347.4	-67.9784	32.68199	6801165	-1.7E+07	11561003
378.5999	604549.3	-67.971	32.67605	6803876	-1.7E+07	11559239
378.7999	604751.2	-67.9635	32.6701	6806590	-1.7E+07	11557473
378.9999	604953	-67.956	32.66414	6809305	-1.7E+07	11555705

379.1999	605154.8	-67.9485	32.65818	6812023	-1.7E+07	11553935
379.3999	605356.5	-67.941	32.65222	6814743	-1.7E+07	11552163
379.5999	605558.3	-67.9334	32.64624	6817465	-1.7E+07	11550389
379.7999	605760	-67.9259	32.64026	6820189	-1.7E+07	11548612
379.9999	605961.7	-67.9184	32.63428	6822915	-1.7E+07	11546834
380.1999	606163.3	-67.9109	32.62828	6825644	-1.7E+07	11545053
380.3999	606364.9	-67.9033	32.62228	6828374	-1.7E+07	11543270
380.5999	606566.5	-67.8958	32.61628	6831107	-1.7E+07	11541485
380.7999	606768.1	-67.8883	32.61027	6833842	-1.7E+07	11539697
380.9999	606969.6	-67.8807	32.60425	6836579	-1.7E+07	11537907
381.1999	607171.1	-67.8732	32.59822	6839318	-1.7E+07	11536115
381.3999	607372.6	-67.8656	32.59219	6842060	-1.7E+07	11534321
381.5999	607574	-67.858	32.58615	6844803	-1.7E+07	11532525
381.7999	607775.5	-67.8505	32.58011	6847549	-1.7E+07	11530726
381.9999	607976.8	-67.8429	32.57406	6850297	-1.7E+07	11528925
382.1999	608178.2	-67.8353	32.568	6853047	-1.7E+07	11527122
382.3999	608379.5	-67.8277	32.56194	6855800	-1.7E+07	11525317
382.5999	608580.8	-67.8201	32.55586	6858555	-1.7E+07	11523509
382.7999	608782.1	-67.8125	32.54979	6861311	-1.7E+07	11521699
382.9999	608983.3	-67.8049	32.5437	6864071	-1.7E+07	11519887
383.1999	609184.5	-67.7973	32.53761	6866832	-1.7E+07	11518072
383.3999	609385.7	-67.7897	32.53151	6869596	-1.7E+07	11516255
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383.7999	609787.9	-67.7745	32.5193	6875130	-1.7E+07	11512614
383.9999	609988.9	-67.7668	32.51318	6877901	-1.7E+07	11510791
384.1999	610189.9	-67.7592	32.50705	6880673	-1.7E+07	11508964
384.3999	610390.9	-67.7516	32.50092	6883448	-1.7E+07	11507136
384.5999	610591.8	-67.7439	32.49478	6886226	-1.7E+07	11505305
384.7999	610792.7	-67.7363	32.48864	6889006	-1.7E+07	11503472
384.9999	610993.6	-67.7286	32.48249	6891788	-1.7E+07	11501636
385.1999	611194.4	-67.7209	32.47633	6894572	-1.7E+07	11499798
385.3999	611395.2	-67.7133	32.47016	6897359	-1.7E+07	11497958
385.5999	611595.9	-67.7056	32.46399	6900148	-1.7E+07	11496115
385.7999	611796.6	-67.6979	32.45781	6902939	-1.7E+07	11494270
385.9999	611997.2	-67.6902	32.45162	6905733	-1.7E+07	11492422
386.1999	612197.8	-67.6826	32.44543	6908529	-1.7E+07	11490572
386.3999	612398.3	-67.6749	32.43923	6911327	-1.7E+07	11488720
386.5999	612598.8	-67.6672	32.43302	6914128	-1.7E+07	11486865
386.7999	612799.3	-67.6594	32.4268	6916931	-1.7E+07	11485008
386.9999	612999.7	-67.6517	32.42058	6919737	-1.7E+07	11483148
387.1999	613200	-67.644	32.41435	6922544	-1.7E+07	11481286
387.3999	613400.3	-67.6363	32.40811	6925355	-1.7E+07	11479422
387.5999	613600.6	-67.6285	32.40187	6928167	-1.7E+07	11477555
387.7999	613800.8	-67.6208	32.39562	6930983	-1.7E+07	11475685
387.9999	614000.9	-67.6131	32.38936	6933800	-1.7E+07	11473813
388.1999	614201	-67.6053	32.3831	6936620	-1.7E+07	11471939
388.3999	614401	-67.5976	32.37682	6939442	-1.7E+07	11470062

388.5999	614601	-67.5898	32.37054	6942267	-1.7E+07	11468183
388.7999	614800.9	-67.582	32.36426	6945095	-1.7E+07	11466301
388.9999	615000.8	-67.5743	32.35796	6947924	-1.7E+07	11464416
389.1999	615200.6	-67.5665	32.35166	6950756	-1.7E+07	11462529
389.3999	615400.3	-67.5587	32.34535	6953591	-1.7E+07	11460640
389.5999	615599.9	-67.5509	32.33904	6956428	-1.7E+07	11458748
389.7999	615799.5	-67.5431	32.33271	6959268	-1.7E+07	11456853
389.9999	615999.1	-67.5353	32.32638	6962110	-1.7E+07	11454956
390.1999	616198.5	-67.5275	32.32004	6964954	-1.7E+07	11453057
390.3999	616397.9	-67.5197	32.3137	6967801	-1.7E+07	11451154
390.5999	616597.2	-67.5119	32.30734	6970651	-1.7E+07	11449249
390.7999	616796.5	-67.504	32.30098	6973503	-1.7E+07	11447342
390.9999	616995.7	-67.4962	32.29461	6976358	-1.7E+07	11445432
391.1999	617194.8	-67.4884	32.28824	6979215	-1.7E+07	11443520
391.3999	617393.8	-67.4805	32.28186	6982074	-1.7E+07	11441604
391.5999	617592.7	-67.4727	32.27546	6984936	-1.7E+07	11439687
391.7999	617791.6	-67.4648	32.26907	6987801	-1.7E+07	11437766
391.9999	617990.4	-67.4569	32.26266	6990668	-1.7E+07	11435843
392.1999	618189.1	-67.4491	32.25625	6993538	-1.7E+07	11433917
392.3999	618387.7	-67.4412	32.24983	6996410	-1.7E+07	11431989
392.5999	618586.2	-67.4333	32.2434	6999285	-1.7E+07	11430058
392.7999	618784.7	-67.4254	32.23696	7002163	-1.7E+07	11428125
392.9999	618983	-67.4175	32.23052	7005043	-1.7E+07	11426188
393.1999	619181.3	-67.4096	32.22406	7007925	-1.7E+07	11424249
393.3999	619379.5	-67.4017	32.2176	7010811	-1.7E+07	11422308
393.5999	619577.5	-67.3938	32.21114	7013698	-1.7E+07	11420363
393.7999	619775.5	-67.3859	32.20466	7016589	-1.7E+07	11418416
393.9999	619973.4	-67.3779	32.19818	7019482	-1.7E+07	11416467
394.1999	620171.2	-67.37	32.19169	7022377	-1.7E+07	11414514
394.3999	620368.8	-67.3621	32.18519	7025276	-1.7E+07	11412559
394.5999	620566.4	-67.3541	32.17868	7028176	-1.7E+07	11410601
394.7999	620763.9	-67.3462	32.17217	7031080	-1.7E+07	11408640
394.9999	620961.2	-67.3382	32.16564	7033986	-1.7E+07	11406677
395.1999	621158.5	-67.3302	32.15911	7036895	-1.7E+07	11404711
395.3999	621355.6	-67.3223	32.15258	7039806	-1.7E+07	11402742
395.5999	621552.6	-67.3143	32.14603	7042720	-1.7E+07	11400771
395.7999	621749.5	-67.3063	32.13948	7045637	-1.7E+07	11398796
395.9999	621946.3	-67.2983	32.13291	7048556	-1.7E+07	11396819
396.1999	622143	-67.2903	32.12634	7051478	-1.7E+07	11394839
396.3999	622339.6	-67.2823	32.11977	7054403	-1.7E+07	11392856
396.5999	622536	-67.2743	32.11318	7057330	-1.7E+07	11390871
396.7999	622732.3	-67.2663	32.10659	7060261	-1.7E+07	11388882
396.9999	622928.5	-67.2582	32.09998	7063193	-1.7E+07	11386891
397.1999	623124.5	-67.2502	32.09337	7066129	-1.7E+07	11384897
397.3999	623320.4	-67.2422	32.08676	7069067	-1.7E+07	11382901
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397.7999	623711.9	-67.2261	32.0735	7074951	-1.7E+07	11378898

397.9999	623907.4	-67.218	32.06685	7077898	-1.7E+07	11376893
398.1999	624102.8	-67.2099	32.0602	7080847	-1.7E+07	11374885
398.3999	624298	-67.2019	32.05354	7083799	-1.7E+07	11372874
398.5999	624493.1	-67.1938	32.04688	7086753	-1.7E+07	11370860
398.7999	624688.1	-67.1857	32.0402	7089711	-1.7E+07	11368843
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399.1999	625077.6	-67.1695	32.02682	7095633	-1.7E+07	11364801
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399.7999	625660.7	-67.1452	32.0067	7104538	-1.7E+07	11358715
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400.1999	626048.7	-67.1289	31.99324	7110489	-1.7E+07	11354644
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401.1999	627015.7	-67.0881	31.95944	7125414	-1.7E+07	11344413
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401.7999	627593.9	-67.0636	31.93907	7134403	-1.7E+07	11338239
401.9999	627786.3	-67.0554	31.93226	7137405	-1.7E+07	11336175
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402.7999	628553.9	-67.0225	31.90493	7149441	-1.7E+07	11327889
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404.9999	630648.5	-66.9316	31.82907	7182778	-1.7E+07	11304849
405.1999	630837.7	-66.9233	31.82212	7185826	-1.7E+07	11302736
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405.7999	631403.8	-66.8983	31.80122	7194987	-1.7E+07	11296377
405.9999	631592.1	-66.8899	31.79424	7198047	-1.7E+07	11294252
406.1999	631780.1	-66.8816	31.78724	7201110	-1.7E+07	11292123
406.3999	631967.9	-66.8732	31.78024	7204175	-1.7E+07	11289990
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407.1999	632716.6	-66.8397	31.75214	7216467	-1.7E+07	11281430

407.3999	632903.2	-66.8313	31.74509	7219547	-1.7E+07	11279282
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407.9999	633461.4	-66.8061	31.7239	7228806	-1.7E+07	11272818
408.1999	633646.9	-66.7977	31.71681	7231898	-1.7E+07	11270657
408.3999	633832.2	-66.7893	31.70972	7234994	-1.7E+07	11268493
408.5999	634017.2	-66.7808	31.70262	7238092	-1.7E+07	11266326
408.7999	634202	-66.7724	31.69551	7241193	-1.7E+07	11264155
408.9999	634386.5	-66.7639	31.68839	7244297	-1.7E+07	11261981
409.1999	634570.7	-66.7555	31.68126	7247404	-1.7E+07	11259803
409.3999	634754.6	-66.747	31.67412	7250514	-1.7E+07	11257623
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409.7999	635121.6	-66.73	31.65982	7256744	-1.7E+07	11253252
409.9999	635304.7	-66.7215	31.65265	7259863	-1.7E+07	11251061
410.1999	635487.5	-66.7131	31.64548	7262985	-1.7E+07	11248867
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410.9999	636215.7	-66.679	31.61668	7275504	-1.7E+07	11240059
411.1999	636396.9	-66.6704	31.60946	7278641	-1.7E+07	11237848
411.3999	636577.9	-66.6619	31.60223	7281782	-1.7E+07	11235634
411.5999	636758.6	-66.6534	31.59499	7284925	-1.7E+07	11233417
411.7999	636939	-66.6448	31.58774	7288071	-1.7E+07	11231197
411.9999	637119	-66.6362	31.58048	7291221	-1.7E+07	11228973
412.1999	637298.7	-66.6277	31.57321	7294373	-1.7E+07	11226745
412.3999	637478.1	-66.6191	31.56594	7297529	-1.7E+07	11224515
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412.7999	637835.9	-66.6019	31.55135	7303849	-1.7E+07	11220043
412.9999	638014.3	-66.5933	31.54405	7307014	-1.7E+07	11217802
413.1999	638192.3	-66.5847	31.53673	7310181	-1.7E+07	11215558
413.3999	638370	-66.576	31.52941	7313352	-1.7E+07	11213310
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413.7999	638724.4	-66.5588	31.51473	7319703	-1.7E+07	11208804
413.9999	638901	-66.5501	31.50738	7322883	-1.7E+07	11206546
414.1999	639077.3	-66.5415	31.50001	7326066	-1.7E+07	11204285
414.3999	639253.3	-66.5328	31.49264	7329252	-1.7E+07	11202020
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414.7999	639604	-66.5155	31.47787	7335633	-1.7E+07	11197480
414.9999	639778.9	-66.5068	31.47047	7338828	-1.7E+07	11195205
415.1999	639953.3	-66.4981	31.46306	7342027	-1.7E+07	11192926
415.3999	640127.4	-66.4894	31.45564	7345228	-1.7E+07	11190644
415.5999	640301.1	-66.4807	31.44821	7348432	-1.7E+07	11188358
415.7999	640474.4	-66.472	31.44077	7351640	-1.7E+07	11186069
415.9999	640647.3	-66.4633	31.43332	7354850	-1.7E+07	11183777
416.1999	640819.9	-66.4546	31.42586	7358064	-1.7E+07	11181480
416.3999	640992	-66.4458	31.4184	7361281	-1.7E+07	11179181
416.5999	641163.7	-66.4371	31.41092	7364501	-1.7E+07	11176878

416.7999	641335.1	-66.4283	31.40343	7367723	-1.7E+07	11174571
416.9999	641506	-66.4196	31.39594	7370949	-1.7E+07	11172261
417.1999	641676.5	-66.4108	31.38843	7374178	-1.7E+07	11169947
417.3999	641846.6	-66.402	31.38091	7377410	-1.7E+07	11167630
417.5999	642016.3	-66.3932	31.37339	7380646	-1.7E+07	11165309
417.7999	642185.6	-66.3844	31.36585	7383884	-1.7E+07	11162985
417.9999	642354.4	-66.3756	31.35831	7387125	-1.7E+07	11160657
418.1999	642522.8	-66.3668	31.35075	7390369	-1.7E+07	11158326
418.3999	642690.8	-66.358	31.34319	7393617	-1.7E+07	11155991
418.5999	642858.4	-66.3492	31.33562	7396867	-1.7E+07	11153652
418.7999	643025.5	-66.3404	31.32803	7400121	-1.7E+07	11151310
418.9999	643192.1	-66.3315	31.32044	7403378	-1.7E+07	11148965
419.1999	643358.3	-66.3227	31.31284	7406637	-1.7E+07	11146615
419.3999	643524.1	-66.3138	31.30523	7409900	-1.7E+07	11144263
419.5999	643689.4	-66.305	31.2976	7413166	-1.7E+07	11141906
419.7999	643854.3	-66.2961	31.28997	7416435	-1.7E+07	11139546
419.9999	644018.7	-66.2872	31.28233	7419707	-1.7E+07	11137183
420.1999	644182.6	-66.2783	31.27468	7422982	-1.7E+07	11134816
420.3999	644346	-66.2694	31.26702	7426260	-1.7E+07	11132445
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420.7999	644671.5	-66.2516	31.25167	7432825	-1.7E+07	11127693
420.9999	644833.5	-66.2427	31.24398	7436113	-1.7E+07	11125311
421.1999	644995	-66.2338	31.23628	7439403	-1.7E+07	11122926
421.3999	645156.1	-66.2249	31.22857	7442697	-1.7E+07	11120538
421.5999	645316.6	-66.2159	31.22085	7445993	-1.7E+07	11118145
421.7999	645476.7	-66.207	31.21312	7449293	-1.7E+07	11115749
421.9999	645636.3	-66.198	31.20538	7452595	-1.7E+07	11113350
422.1999	645795.3	-66.1891	31.19763	7455901	-1.7E+07	11110946
422.3999	645953.9	-66.1801	31.18987	7459209	-1.7E+07	11108540
422.5999	646111.9	-66.1711	31.1821	7462521	-1.7E+07	11106129
422.7999	646269.4	-66.1621	31.17433	7465836	-1.7E+07	11103715
422.9999	646426.4	-66.1531	31.16654	7469154	-1.7E+07	11101297
423.1999	646582.9	-66.1441	31.15874	7472475	-1.7E+07	11098876
423.3999	646738.9	-66.1351	31.15093	7475798	-1.7E+07	11096451
423.5999	646894.3	-66.1261	31.14312	7479125	-1.7E+07	11094022
423.7999	647049.2	-66.1171	31.13529	7482455	-1.7E+07	11091590
423.9999	647203.6	-66.108	31.12745	7485788	-1.7E+07	11089154
424.1999	647357.4	-66.099	31.11961	7489124	-1.7E+07	11086714
424.3999	647510.7	-66.09	31.11175	7492463	-1.7E+07	11084271
424.5999	647663.5	-66.0809	31.10388	7495805	-1.7E+07	11081824
424.7999	647815.7	-66.0718	31.09601	7499150	-1.7E+07	11079373
424.9999	647967.3	-66.0628	31.08812	7502498	-1.7E+07	11076919
425.1999	648118.4	-66.0537	31.08023	7505849	-1.7E+07	11074461
425.3999	648268.9	-66.0446	31.07232	7509204	-1.7E+07	11071999
425.5999	648418.9	-66.0355	31.06441	7512561	-1.7E+07	11069534
425.7999	648568.3	-66.0264	31.05648	7515921	-1.7E+07	11067065
425.9999	648717.1	-66.0173	31.04855	7519284	-1.7E+07	11064592

426.1999	648865.4	-66.0082	31.04061	7522650	-1.7E+07	11062116
426.3999	649013.1	-65.999	31.03265	7526019	-1.7E+07	11059636
426.5999	649160.2	-65.9899	31.02469	7529391	-1.7E+07	11057152
426.7999	649306.7	-65.9808	31.01672	7532766	-1.7E+07	11054665
426.9999	649452.7	-65.9716	31.00873	7536144	-1.7E+07	11052174
427.1999	649598	-65.9625	31.00074	7539525	-1.7E+07	11049679
427.3999	649742.8	-65.9533	30.99274	7542909	-1.7E+07	11047181
427.5999	649887	-65.9441	30.98472	7546295	-1.7E+07	11044678
427.7999	650030.5	-65.935	30.9767	7549685	-1.7E+07	11042173
427.9999	650173.5	-65.9258	30.96867	7553078	-1.7E+07	11039663
428.1999	650315.9	-65.9166	30.96063	7556474	-1.7E+07	11037150
428.3999	650457.6	-65.9074	30.95258	7559872	-1.7E+07	11034633
428.5999	650598.8	-65.8982	30.94452	7563274	-1.7E+07	11032113
428.7999	650739.3	-65.889	30.93645	7566678	-1.7E+07	11029589
428.9999	650879.2	-65.8797	30.92837	7570086	-1.7E+07	11027061
429.1999	651018.5	-65.8705	30.92028	7573496	-1.7E+07	11024529
429.3999	651157.2	-65.8613	30.91218	7576909	-1.7E+07	11021994
429.5999	651295.2	-65.852	30.90407	7580325	-1.7E+07	11019455
429.7999	651432.6	-65.8428	30.89595	7583744	-1.7E+07	11016912
429.9999	651569.4	-65.8335	30.88782	7587166	-1.7E+07	11014366
430.1999	651705.5	-65.8242	30.87968	7590591	-1.7E+07	11011816
430.3999	651841	-65.815	30.87154	7594018	-1.7E+07	11009262
430.5999	651975.8	-65.8057	30.86338	7597449	-1.7E+07	11006705
430.7999	652110	-65.7964	30.85521	7600882	-1.7E+07	11004144
430.9999	652243.5	-65.7871	30.84703	7604319	-1.7E+07	11001579
431.1999	652376.4	-65.7778	30.83885	7607758	-1.7E+07	10999011
431.3999	652508.6	-65.7685	30.83065	7611200	-1.7E+07	10996438
431.5999	652640.1	-65.7591	30.82245	7614644	-1.7E+07	10993863
431.7999	652771	-65.7498	30.81423	7618092	-1.7E+07	10991283
431.9999	652901.2	-65.7405	30.80601	7621542	-1.7E+07	10988700
432.1999	653030.7	-65.7311	30.79777	7624995	-1.7E+07	10986113
432.3999	653159.5	-65.7218	30.78953	7628451	-1.7E+07	10983523
432.5999	653287.7	-65.7124	30.78128	7631910	-1.7E+07	10980928
432.7999	653415.1	-65.7031	30.77301	7635372	-1.7E+07	10978331
432.9999	653541.9	-65.6937	30.76474	7638836	-1.7E+07	10975729
433.1999	653667.9	-65.6843	30.75646	7642303	-1.7E+07	10973124
433.3999	653793.3	-65.6749	30.74817	7645773	-1.7E+07	10970515
433.5999	653918	-65.6655	30.73987	7649246	-1.7E+07	10967902
433.7999	654041.9	-65.6561	30.73156	7652721	-1.7E+07	10965286
433.9999	654165.1	-65.6467	30.72324	7656199	-1.7E+07	10962666
434.1999	654287.6	-65.6373	30.71491	7659680	-1.7E+07	10960043
434.3999	654409.4	-65.6279	30.70657	7663164	-1.7E+07	10957415
434.5999	654530.5	-65.6185	30.69822	7666650	-1.7E+07	10954785
434.7999	654650.8	-65.609	30.68987	7670139	-1.7E+07	10952150
434.9999	654770.5	-65.5996	30.6815	7673630	-1.7E+07	10949512
435.1999	654889.3	-65.5901	30.67312	7677125	-1.7E+07	10946870
435.3999	655007.5	-65.5807	30.66474	7680622	-1.7E+07	10944224

435.5999	655124.9	-65.5712	30.65634	7684121	-1.7E+07	10941575
435.7999	655241.5	-65.5618	30.64794	7687624	-1.7E+07	10938922
435.9999	655357.4	-65.5523	30.63953	7691129	-1.7E+07	10936266
436.1999	655472.6	-65.5428	30.6311	7694636	-1.7E+07	10933606
436.3999	655587	-65.5333	30.62267	7698147	-1.7E+07	10930942
436.5999	655700.7	-65.5238	30.61423	7701659	-1.7E+07	10928275
436.7999	655813.6	-65.5143	30.60578	7705175	-1.7E+07	10925604
436.9999	655925.8	-65.5048	30.59732	7708693	-1.7E+07	10922929
437.1999	656037.2	-65.4953	30.58885	7712214	-1.7E+07	10920251
437.3999	656147.8	-65.4858	30.58038	7715737	-1.7E+07	10917569
437.5999	656257.7	-65.4762	30.57189	7719263	-1.7E+07	10914884
437.7999	656366.8	-65.4667	30.56339	7722791	-1.7E+07	10912195
437.9999	656475.2	-65.4571	30.55489	7726322	-1.7E+07	10909502
438.1999	656582.8	-65.4476	30.54637	7729855	-1.7E+07	10906806
438.3999	656689.7	-65.438	30.53785	7733391	-1.7E+07	10904106
438.5999	656795.8	-65.4285	30.52932	7736930	-1.7E+07	10901403
438.7999	656901.1	-65.4189	30.52078	7740471	-1.7E+07	10898696
438.9999	657005.7	-65.4093	30.51223	7744014	-1.7E+07	10895986
439.1999	657109.5	-65.3997	30.50367	7747560	-1.7E+07	10893272
439.3999	657212.5	-65.3902	30.4951	7751109	-1.7E+07	10890554
439.5999	657314.8	-65.3806	30.48652	7754660	-1.7E+07	10887833
439.7999	657416.2	-65.371	30.47794	7758213	-1.7E+07	10885108
439.9999	657517	-65.3613	30.46934	7761769	-1.7E+07	10882380
440.1999	657616.9	-65.3517	30.46074	7765327	-1.7E+07	10879648
440.3999	657716.1	-65.3421	30.45212	7768888	-1.7E+07	10876912
440.5999	657814.5	-65.3325	30.4435	7772451	-1.7E+07	10874174
440.7999	657912.1	-65.3229	30.43487	7776017	-1.7E+07	10871431
440.9999	658009	-65.3132	30.42623	7779585	-1.7E+07	10868685
441.1999	658105	-65.3036	30.41758	7783155	-1.7E+07	10865936
441.3999	658200.3	-65.2939	30.40893	7786728	-1.7E+07	10863183
441.5999	658294.8	-65.2843	30.40026	7790303	-1.7E+07	10860426
441.7999	658388.5	-65.2746	30.39158	7793880	-1.7E+07	10857666
441.9999	658481.5	-65.2649	30.3829	7797460	-1.7E+07	10854903
442.1999	658573.7	-65.2552	30.37421	7801042	-1.7E+07	10852136
442.3999	658665	-65.2456	30.36551	7804627	-1.7E+07	10849366
442.5999	658755.6	-65.2359	30.3568	7808213	-1.7E+07	10846592
442.7999	658845.5	-65.2262	30.34808	7811802	-1.7E+07	10843814
442.9999	658934.5	-65.2165	30.33935	7815394	-1.7E+07	10841034
443.1999	659022.7	-65.2068	30.33062	7818987	-1.7E+07	10838249
443.3999	659110.2	-65.1971	30.32188	7822583	-1.7E+07	10835462
443.5999	659196.8	-65.1873	30.31312	7826181	-1.7E+07	10832671
443.7999	659282.7	-65.1776	30.30436	7829781	-1.7E+07	10829876
443.9999	659367.8	-65.1679	30.29559	7833384	-1.7E+07	10827078
444.1999	659452.1	-65.1581	30.28682	7836989	-1.7E+07	10824277
444.3999	659535.6	-65.1484	30.27803	7840596	-1.7E+07	10821472
444.5999	659618.3	-65.1387	30.26923	7844205	-1.7E+07	10818664
444.7999	659700.3	-65.1289	30.26043	7847816	-1.7E+07	10815852

444.9999	659781.4	-65.1191	30.25162	7851430	-1.7E+07	10813037
445.1999	659861.7	-65.1094	30.2428	7855045	-1.7E+07	10810219
445.3999	659941.3	-65.0996	30.23397	7858663	-1.7E+07	10807397
445.5999	660020	-65.0898	30.22513	7862283	-1.7E+07	10804572
445.7999	660098	-65.0801	30.21629	7865905	-1.7E+07	10801743
445.9999	660175.1	-65.0703	30.20744	7869530	-1.7E+07	10798912
446.1999	660251.5	-65.0605	30.19858	7873156	-1.7E+07	10796076
446.3999	660327	-65.0507	30.18971	7876784	-1.7E+07	10793238
446.5999	660401.8	-65.0409	30.18083	7880415	-1.7E+07	10790396
446.7999	660475.8	-65.0311	30.17194	7884047	-1.7E+07	10787551
446.9999	660548.9	-65.0213	30.16305	7887682	-1.7E+07	10784703
447.1999	660621.3	-65.0114	30.15415	7891318	-1.7E+07	10781851
447.3999	660692.8	-65.0016	30.14524	7894957	-1.7E+07	10778996
447.5999	660763.6	-64.9918	30.13632	7898598	-1.7E+07	10776137
447.7999	660833.5	-64.982	30.12739	7902240	-1.7E+07	10773276
447.9999	660902.6	-64.9721	30.11846	7905885	-1.7E+07	10770411
448.1999	660971	-64.9623	30.10952	7909531	-1.7E+07	10767542
448.3999	661038.5	-64.9524	30.10057	7913180	-1.7E+07	10764671
448.5999	661105.3	-64.9426	30.09161	7916830	-1.7E+07	10761796
448.7999	661171.2	-64.9327	30.08264	7920483	-1.7E+07	10758918
448.9999	661236.3	-64.9229	30.07367	7924137	-1.7E+07	10756037
449.1999	661300.7	-64.913	30.06469	7927793	-1.7E+07	10753153
449.3999	661364.2	-64.9031	30.0557	7931451	-1.7E+07	10750265
449.5999	661426.9	-64.8932	30.0467	7935111	-1.7E+07	10747374
449.7999	661488.9	-64.8833	30.0377	7938773	-1.7E+07	10744480
449.9999	661550	-64.8735	30.02868	7942437	-1.7E+07	10741583
450.1999	661610.3	-64.8636	30.01966	7946103	-1.7E+07	10738683
450.3999	661669.9	-64.8537	30.01064	7949770	-1.7E+07	10735779
450.5999	661728.7	-64.8438	30.0016	7953439	-1.7E+07	10732873
450.7999	661786.6	-64.8339	29.99256	7957110	-1.7E+07	10729963
450.9999	661843.8	-64.8239	29.98351	7960783	-1.7E+07	10727050
451.1999	661900.2	-64.814	29.97445	7964458	-1.7E+07	10724134
451.3999	661955.8	-64.8041	29.96538	7968134	-1.7E+07	10721214
451.5999	662010.6	-64.7942	29.95631	7971812	-1.7E+07	10718292
451.7999	662064.6	-64.7843	29.94723	7975492	-1.7E+07	10715367
451.9999	662117.8	-64.7743	29.93814	7979174	-1.7E+07	10712438
452.1999	662170.3	-64.7644	29.92904	7982857	-1.7E+07	10709507
452.3999	662221.9	-64.7544	29.91994	7986542	-1.7E+07	10706572
452.5999	662272.8	-64.7445	29.91083	7990229	-1.7E+07	10703634
452.7999	662322.9	-64.7345	29.90171	7993917	-1.7E+07	10700693
452.9999	662372.2	-64.7246	29.89259	7997607	-1.7E+07	10697750
453.1999	662420.8	-64.7146	29.88346	8001299	-1.7E+07	10694803
453.3999	662468.5	-64.7047	29.87432	8004992	-1.7E+07	10691853
453.5999	662515.5	-64.6947	29.86517	8008687	-1.7E+07	10688900
453.7999	662561.7	-64.6847	29.85602	8012384	-1.7E+07	10685944
453.9999	662607.2	-64.6747	29.84686	8016082	-1.7E+07	10682986
454.1999	662651.8	-64.6648	29.83769	8019781	-1.7E+07	10680024

454.3999	662695.8	-64.6548	29.82851	8023483	-1.7E+07	10677059
454.5999	662738.9	-64.6448	29.81933	8027185	-1.7E+07	10674092
454.7999	662781.2	-64.6348	29.81014	8030890	-1.7E+07	10671121
454.9999	662822.8	-64.6248	29.80095	8034596	-1.7E+07	10668148
455.1999	662863.6	-64.6148	29.79175	8038303	-1.7E+07	10665171
455.3999	662903.6	-64.6048	29.78254	8042012	-1.7E+07	10662192
455.5999	662942.8	-64.5948	29.77332	8045722	-1.7E+07	10659210
455.7999	662981.3	-64.5848	29.7641	8049434	-1.7E+07	10656225
455.9999	663018.9	-64.5748	29.75487	8053147	-1.7E+07	10653237
456.1999	663055.7	-64.5647	29.74563	8056861	-1.7E+07	10650246
456.3999	663091.8	-64.5547	29.73639	8060577	-1.7E+07	10647252
456.5999	663127	-64.5447	29.72714	8064295	-1.7E+07	10644256
456.7999	663161.5	-64.5347	29.71788	8068013	-1.7E+07	10641257
456.9999	663195.2	-64.5246	29.70862	8071733	-1.7E+07	10638255
457.1999	663228	-64.5146	29.69935	8075455	-1.7E+07	10635250
457.3999	663260.1	-64.5045	29.69008	8079178	-1.7E+07	10632242
457.5999	663291.4	-64.4945	29.68079	8082902	-1.7E+07	10629232
457.7999	663321.9	-64.4845	29.67151	8086627	-1.7E+07	10626218
457.9999	663351.7	-64.4744	29.66221	8090354	-1.7E+07	10623202
458.1999	663380.6	-64.4644	29.65291	8094081	-1.7E+07	10620184
458.3999	663408.8	-64.4543	29.6436	8097811	-1.7E+07	10617162
458.5999	663436.3	-64.4442	29.63429	8101541	-1.7E+07	10614138
458.7999	663462.9	-64.4342	29.62497	8105273	-1.7E+07	10611111
458.9999	663488.9	-64.4241	29.61564	8109005	-1.7E+07	10608082
459.1999	663514	-64.414	29.60631	8112739	-1.7E+07	10605050
459.3999	663538.5	-64.404	29.59697	8116475	-1.7E+07	10602015
459.5999	663562.2	-64.3939	29.58763	8120211	-1.7E+07	10598978
459.7999	663585.1	-64.3838	29.57828	8123949	-1.7E+07	10595938
459.9999	663607.4	-64.3737	29.56892	8127687	-1.7E+07	10592895
460.1999	663628.9	-64.3637	29.55956	8131427	-1.7E+07	10589850
460.3999	663649.8	-64.3536	29.55019	8135168	-1.7E+07	10586802
460.5999	663669.9	-64.3435	29.54081	8138911	-1.7E+07	10583752
460.7999	663689.3	-64.3334	29.53143	8142654	-1.7E+07	10580699
460.9999	663708.1	-64.3233	29.52205	8146398	-1.7E+07	10577643
461.1999	663726.1	-64.3132	29.51266	8150144	-1.7E+07	10574585
461.3999	663743.5	-64.3031	29.50326	8153890	-1.7E+07	10571525
461.5999	663760.2	-64.293	29.49386	8157638	-1.7E+07	10568462
461.7999	663776.3	-64.2829	29.48445	8161387	-1.7E+07	10565397
461.9999	663791.6	-64.2728	29.47503	8165136	-1.7E+07	10562329
462.1999	663806.4	-64.2627	29.46561	8168887	-1.7E+07	10559258
462.3999	663820.5	-64.2526	29.45619	8172639	-1.7E+07	10556186
462.5999	663833.9	-64.2424	29.44675	8176392	-1.7E+07	10553111
462.7999	663846.8	-64.2323	29.43732	8180146	-1.7E+07	10550033
462.9999	663859	-64.2222	29.42788	8183900	-1.7E+07	10546953
463.1999	663870.5	-64.2121	29.41843	8187656	-1.7E+07	10543871
463.3999	663881.5	-64.202	29.40897	8191413	-1.7E+07	10540786
463.5999	663891.8	-64.1918	29.39952	8195170	-1.7E+07	10537699

463.7999	663901.6	-64.1817	29.39005	8198929	-1.7E+07	10534610
463.9999	663910.7	-64.1716	29.38058	8202688	-1.7E+07	10531519
464.1999	663919.3	-64.1614	29.37111	8206449	-1.7E+07	10528425
464.3999	663927.3	-64.1513	29.36163	8210210	-1.7E+07	10525329
464.5999	663934.7	-64.1412	29.35214	8213972	-1.7E+07	10522230
464.7999	663941.6	-64.131	29.34265	8217735	-1.7E+07	10519130
464.9999	663947.8	-64.1209	29.33316	8221499	-1.7E+07	10516027
465.1999	663953.6	-64.1107	29.32366	8225264	-1.7E+07	10512922
465.3999	663958.7	-64.1006	29.31415	8229029	-1.7E+07	10509814
465.5999	663963.4	-64.0904	29.30464	8232796	-1.7E+07	10506705
465.7999	663967.5	-64.0803	29.29513	8236563	-1.7E+07	10503593
465.9999	663971.1	-64.0701	29.28561	8240331	-1.7E+07	10500479
466.1999	663974.2	-64.06	29.27608	8244100	-1.7E+07	10497364
466.3999	663976.8	-64.0498	29.26655	8247869	-1.7E+07	10494246
466.5999	663978.9	-64.0397	29.25702	8251639	-1.7E+07	10491126
466.7999	663980.6	-64.0295	29.24748	8255410	-1.7E+07	10488004
466.9999	663981.8	-64.0194	29.23794	8259181	-1.7E+07	10484880
467.1999	663982.6	-64.0092	29.22839	8262953	-1.7E+07	10481755
467.3999	663983	-63.9991	29.21884	8266726	-1.7E+07	10478627
467.5999	663983	-63.9889	29.20929	8270499	-1.7E+07	10475498
467.7999	663982.6	-63.9787	29.19973	8274272	-1.7E+07	10472367
467.9999	663981.8	-63.9686	29.19017	8278046	-1.7E+07	10469234
468.1999	663980.7	-63.9584	29.1806	8281820	-1.7E+07	10466100
468.3999	663979.2	-63.9482	29.17103	8285595	-1.7E+07	10462964
468.5999	663977.4	-63.9381	29.16146	8289370	-1.7E+07	10459826
468.7999	663975.3	-63.9279	29.15188	8293145	-1.7E+07	10456687
468.9999	663972.8	-63.9177	29.1423	8296921	-1.7E+07	10453546
469.1999	663970	-63.9076	29.13272	8300697	-1.7E+07	10450403
469.3999	663967	-63.8974	29.12313	8304473	-1.7E+07	10447259
469.5999	663963.6	-63.8873	29.11354	8308250	-1.7E+07	10444114
469.7999	663960	-63.8771	29.10394	8312027	-1.7E+07	10440967
469.9999	663956.1	-63.8669	29.09435	8315804	-1.7E+07	10437819
470.1999	663952	-63.8568	29.08475	8319581	-1.7E+07	10434669
470.3999	663947.6	-63.8466	29.07515	8323358	-1.7E+07	10431518
470.5999	663943	-63.8364	29.06554	8327135	-1.7E+07	10428365
470.7999	663938.2	-63.8263	29.05593	8330913	-1.7E+07	10425212
470.9999	663933.1	-63.8161	29.04632	8334690	-1.7E+07	10422057
471.1999	663927.8	-63.8059	29.03671	8338468	-1.7E+07	10418900
471.3999	663922.4	-63.7958	29.02709	8342245	-1.7E+07	10415743
471.5999	663916.7	-63.7856	29.01747	8346023	-1.7E+07	10412584
471.7999	663910.9	-63.7754	29.00785	8349800	-1.7E+07	10409424
471.9999	663904.9	-63.7653	28.99823	8353578	-1.7E+07	10406263
472.1999	663898.8	-63.7551	28.9886	8357355	-1.7E+07	10403101
472.3999	663892.5	-63.745	28.97897	8361133	-1.7E+07	10399938
472.5999	663886	-63.7348	28.96934	8364910	-1.7E+07	10396774
472.7999	663879.4	-63.7247	28.95971	8368687	-1.7E+07	10393608
472.9999	663872.7	-63.7145	28.95008	8372464	-1.7E+07	10390442

473.1999	663865.9	-63.7043	28.94044	8376241	-1.7E+07	10387275
473.3999	663859	-63.6942	28.9308	8380018	-1.7E+07	10384107
473.5999	663852	-63.684	28.92116	8383794	-1.7E+07	10380937
473.7999	663844.8	-63.6739	28.91152	8387571	-1.7E+07	10377767
473.9999	663837.6	-63.6637	28.90188	8391347	-1.7E+07	10374597
474.1999	663830.3	-63.6536	28.89223	8395122	-1.7E+07	10371425
474.3999	663823	-63.6434	28.88259	8398898	-1.7E+07	10368252
474.5999	663815.6	-63.6333	28.87294	8402673	-1.7E+07	10365079
474.7999	663808.1	-63.6231	28.86329	8406448	-1.7E+07	10361904
474.9999	663800.5	-63.613	28.85364	8410223	-1.7E+07	10358729
475.1999	663792.9	-63.6029	28.84399	8413997	-1.7E+07	10355554
475.3999	663785.3	-63.5927	28.83433	8417771	-1.7E+07	10352377
475.5999	663777.6	-63.5826	28.82468	8421545	-1.7E+07	10349200
475.7999	663769.9	-63.5724	28.81502	8425318	-1.7E+07	10346022
475.9999	663762.2	-63.5623	28.80537	8429091	-1.7E+07	10342843
476.1999	663754.4	-63.5522	28.79571	8432863	-1.7E+07	10339663
476.3999	663746.6	-63.542	28.78605	8436636	-1.7E+07	10336483
476.5999	663738.7	-63.5319	28.77639	8440407	-1.7E+07	10333302
476.7999	663730.9	-63.5218	28.76672	8444179	-1.7E+07	10330121
476.9999	663723	-63.5117	28.75706	8447950	-1.7E+07	10326939
477.1999	663715.1	-63.5015	28.7474	8451720	-1.7E+07	10323756
477.3999	663707.2	-63.4914	28.73773	8455491	-1.7E+07	10320572
477.5999	663699.3	-63.4813	28.72806	8459260	-1.7E+07	10317388
477.7999	663691.4	-63.4712	28.7184	8463030	-1.7E+07	10314203
477.9999	663683.4	-63.4611	28.70873	8466799	-1.7E+07	10311018
478.1999	663675.5	-63.4509	28.69906	8470567	-1.7E+07	10307832
478.3999	663667.6	-63.4408	28.68939	8474335	-1.7E+07	10304645
478.5999	663659.6	-63.4307	28.67972	8478103	-1.7E+07	10301458
478.7999	663651.7	-63.4206	28.67004	8481870	-1.7E+07	10298270
478.9999	663643.7	-63.4105	28.66037	8485636	-1.7E+07	10295081
479.1999	663635.8	-63.4004	28.65069	8489403	-1.7E+07	10291892
479.3999	663627.9	-63.3903	28.64102	8493168	-1.7E+07	10288702
479.5999	663619.9	-63.3802	28.63134	8496934	-1.7E+07	10285512
479.7499	663614	-63.3726	28.62408	8499757	-1.7E+07	10283119
479.7999	663612	-63.3701	28.62166	8500698	-1.7E+07	10282321
479.9999	663604.1	-63.36	28.61199	8504463	-1.7E+07	10279130
480.1999	663596.2	-63.3499	28.60231	8508227	-1.7E+07	10275937
480.3999	663588.2	-63.3398	28.59263	8511990	-1.7E+07	10272745
480.5999	663580.3	-63.3297	28.58294	8515753	-1.7E+07	10269551
480.7999	663572.4	-63.3196	28.57326	8519516	-1.7E+07	10266357
480.9999	663564.5	-63.3095	28.56358	8523278	-1.7E+07	10263163
481.1999	663556.6	-63.2995	28.5539	8527039	-1.7E+07	10259968
481.3999	663548.7	-63.2894	28.54421	8530800	-1.7E+07	10256772
481.5999	663540.8	-63.2793	28.53452	8534561	-1.7E+07	10253576
481.7999	663532.9	-63.2692	28.52484	8538321	-1.7E+07	10250379
481.9999	663525.1	-63.2591	28.51515	8542081	-1.7E+07	10247182
482.1999	663517.2	-63.2491	28.50546	8545840	-1.7E+07	10243984

482.3999	663509.3	-63.239	28.49577	8549599	-1.7E+07	10240785
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482.7999	663493.6	-63.2188	28.47639	8557115	-1.7E+07	10234386
482.9999	663485.8	-63.2088	28.4667	8560872	-1.7E+07	10231185
483.1999	663477.9	-63.1987	28.457	8564629	-1.7E+07	10227985
483.3999	663470.1	-63.1886	28.44731	8568386	-1.7E+07	10224783
483.5999	663462.3	-63.1786	28.43761	8572142	-1.7E+07	10221581
483.7999	663454.4	-63.1685	28.42792	8575897	-1.7E+07	10218378
483.9999	663446.6	-63.1585	28.41822	8579652	-1.7E+07	10215175
484.1999	663438.8	-63.1484	28.40852	8583407	-1.7E+07	10211971
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484.5999	663423.2	-63.1283	28.38912	8590914	-1.7E+07	10205561
484.7999	663415.4	-63.1182	28.37942	8594668	-1.7E+07	10202356
484.9999	663407.6	-63.1082	28.36972	8598420	-1.7E+07	10199149
485.1999	663399.9	-63.0981	28.36002	8602172	-1.7E+07	10195943
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485.7999	663376.6	-63.068	28.33091	8613426	-1.7E+07	10186319
485.9999	663368.8	-63.058	28.3212	8617176	-1.7E+07	10183109
486.1999	663361.1	-63.0479	28.31149	8620926	-1.7E+07	10179900
486.3999	663353.3	-63.0379	28.30179	8624675	-1.7E+07	10176689
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486.7999	663337.9	-63.0178	28.28237	8632173	-1.7E+07	10170267
486.9999	663330.2	-63.0078	28.27266	8635921	-1.7E+07	10167055
487.1999	663322.5	-62.9978	28.26294	8639668	-1.7E+07	10163842
487.3999	663314.8	-62.9878	28.25323	8643415	-1.7E+07	10160629
487.5999	663307.1	-62.9777	28.24352	8647161	-1.7E+07	10157415
487.7999	663299.4	-62.9677	28.23381	8650907	-1.7E+07	10154201
487.9999	663291.7	-62.9577	28.22409	8654653	-1.7E+07	10150986
488.1999	663284.1	-62.9477	28.21437	8658398	-1.7E+07	10147771
488.3999	663276.4	-62.9377	28.20466	8662142	-1.7E+07	10144554
488.5999	663268.7	-62.9277	28.19494	8665886	-1.7E+07	10141338
488.7999	663261.1	-62.9176	28.18522	8669630	-1.7E+07	10138120
488.9999	663253.4	-62.9076	28.1755	8673373	-1.7E+07	10134903
489.1999	663245.8	-62.8976	28.16578	8677116	-1.7E+07	10131684
489.3999	663238.2	-62.8876	28.15606	8680858	-1.7E+07	10128465
489.5999	663230.6	-62.8776	28.14634	8684600	-1.7E+07	10125246
489.7999	663222.9	-62.8676	28.13661	8688341	-1.7E+07	10122026
489.9999	663215.3	-62.8576	28.12689	8692081	-1.7E+07	10118805
490.1999	663207.7	-62.8476	28.11716	8695822	-1.7E+07	10115583
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490.7999	663185	-62.8176	28.08798	8707039	-1.7E+07	10105916
490.9999	663177.4	-62.8076	28.07826	8710778	-1.7E+07	10102693
491.1999	663169.9	-62.7977	28.06853	8714516	-1.7E+07	10099468
491.3999	663162.3	-62.7877	28.0588	8718253	-1.7E+07	10096244
491.5999	663154.8	-62.7777	28.04907	8721990	-1.7E+07	10093018

491.7999	663147.3	-62.7677	28.03933	8725726	-1.7E+07	10089792
491.9999	663139.7	-62.7577	28.0296	8729462	-1.7E+07	10086566
492.1999	663132.2	-62.7477	28.01987	8733197	-1.7E+07	10083339
492.3999	663124.7	-62.7378	28.01013	8736932	-1.7E+07	10080111
492.5999	663117.2	-62.7278	28.0004	8740667	-1.7E+07	10076883
492.7999	663109.7	-62.7178	27.99066	8744401	-1.7E+07	10073654
492.9999	663102.2	-62.7078	27.98092	8748134	-1.7E+07	10070425
493.1999	663094.8	-62.6979	27.97118	8751867	-1.7E+07	10067195
493.3999	663087.3	-62.6879	27.96145	8755600	-1.7E+07	10063965
493.5999	663079.8	-62.6779	27.95171	8759332	-1.7E+07	10060734
493.7999	663072.4	-62.668	27.94197	8763063	-1.7E+07	10057502
493.9999	663065	-62.658	27.93222	8766794	-1.7E+07	10054270
494.1999	663057.5	-62.6481	27.92248	8770525	-1.7E+07	10051037
494.3999	663050.1	-62.6381	27.91274	8774255	-1.7E+07	10047804
494.5999	663042.7	-62.6281	27.90299	8777984	-1.7E+07	10044570
494.7999	663035.3	-62.6182	27.89325	8781714	-1.7E+07	10041336
494.9999	663027.9	-62.6082	27.8835	8785442	-1.7E+07	10038101
495.1999	663020.5	-62.5983	27.87376	8789170	-1.7E+07	10034865
495.3999	663013.1	-62.5883	27.86401	8792898	-1.7E+07	10031629
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495.7999	662998.4	-62.5684	27.84451	8800352	-1.7E+07	10025155
495.9999	662991	-62.5585	27.83476	8804078	-1.7E+07	10021917
496.1999	662983.7	-62.5486	27.82501	8807804	-1.7E+07	10018678
496.3999	662976.3	-62.5386	27.81526	8811529	-1.7E+07	10015439
496.5999	662969	-62.5287	27.8055	8815254	-1.7E+07	10012200
496.7999	662961.7	-62.5188	27.79575	8818978	-1.7E+07	10008960
496.9999	662954.4	-62.5088	27.78599	8822702	-1.7E+07	10005719
497.1999	662947.1	-62.4989	27.77624	8826425	-1.7E+07	10002478
497.3999	662939.8	-62.489	27.76648	8830148	-1.7E+07	9999236
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497.7999	662925.2	-62.4691	27.74697	8837592	-1.7E+07	9992750
497.9999	662917.9	-62.4592	27.73721	8841313	-1.7E+07	9989507
498.1999	662910.7	-62.4493	27.72745	8845034	-1.7E+07	9986263
498.3999	662903.4	-62.4393	27.71769	8848754	-1.7E+07	9983018
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498.7999	662888.9	-62.4195	27.69816	8856193	-1.7E+07	9976527
498.9999	662881.7	-62.4096	27.6884	8859912	-1.7E+07	9973281
499.1999	662874.5	-62.3997	27.67863	8863631	-1.7E+07	9970034
499.3999	662867.3	-62.3898	27.66887	8867348	-1.7E+07	9966786
499.5999	662860.1	-62.3799	27.6591	8871066	-1.7E+07	9963538
499.7999	662852.9	-62.37	27.64934	8874783	-1.7E+07	9960290
499.9999	662845.7	-62.3601	27.63957	8878499	-1.7E+07	9957040
500.1999	662838.6	-62.3502	27.6298	8882215	-1.7E+07	9953791
500.3999	662831.4	-62.3403	27.62003	8885930	-1.7E+07	9950540
500.5999	662824.2	-62.3304	27.61026	8889645	-1.7E+07	9947289
500.7999	662817.1	-62.3205	27.60049	8893360	-1.7E+07	9944038
500.9999	662810	-62.3106	27.59072	8897074	-1.7E+07	9940786

501.1999	662802.8	-62.3007	27.58095	8900787	-1.7E+07	9937533
501.3999	662795.7	-62.2908	27.57117	8904500	-1.7E+07	9934280
501.5999	662788.6	-62.2809	27.5614	8908213	-1.7E+07	9931026
501.7999	662781.5	-62.271	27.55162	8911925	-1.7E+07	9927772
501.9999	662774.4	-62.2611	27.54185	8915636	-1.7E+07	9924517
502.1999	662767.3	-62.2512	27.53207	8919347	-1.7E+07	9921262
502.3999	662760.3	-62.2414	27.52229	8923058	-1.7E+07	9918006
502.5999	662753.2	-62.2315	27.51251	8926768	-1.7E+07	9914749
502.7999	662746.2	-62.2216	27.50273	8930477	-1.7E+07	9911492
502.9999	662739.1	-62.2117	27.49295	8934186	-1.7E+07	9908235
503.1999	662732.1	-62.2018	27.48317	8937895	-1.7E+07	9904977
503.3999	662725.1	-62.192	27.47339	8941603	-1.7E+07	9901718
503.5999	662718	-62.1821	27.46361	8945310	-1.7E+07	9898459
503.7999	662711	-62.1722	27.45382	8949017	-1.7E+07	9895199
503.9999	662704	-62.1624	27.44404	8952724	-1.7E+07	9891938
504.1999	662697	-62.1525	27.43425	8956430	-1.7E+07	9888677
504.3999	662690.1	-62.1426	27.42446	8960135	-1.7E+07	9885416
504.5999	662683.1	-62.1328	27.41468	8963840	-1.7E+07	9882154
504.7999	662676.1	-62.1229	27.40489	8967545	-1.7E+07	9878891
504.9999	662669.2	-62.1131	27.3951	8971249	-1.7E+07	9875628
505.1999	662662.3	-62.1032	27.38531	8974953	-1.7E+07	9872364
505.3999	662655.3	-62.0934	27.37552	8978656	-1.7E+07	9869099
505.5999	662648.4	-62.0835	27.36573	8982358	-1.7E+07	9865835
505.7999	662641.5	-62.0736	27.35594	8986060	-1.7E+07	9862569
505.9999	662634.6	-62.0638	27.34614	8989762	-1.7E+07	9859303
506.1999	662627.7	-62.054	27.33635	8993463	-1.7E+07	9856036
506.3999	662620.8	-62.0441	27.32655	8997164	-1.7E+07	9852769
506.5999	662613.9	-62.0343	27.31676	9000864	-1.7E+07	9849502
506.7999	662607.1	-62.0244	27.30696	9004563	-1.7E+07	9846233
506.9999	662600.2	-62.0146	27.29716	9008262	-1.7E+07	9842965
507.1999	662593.4	-62.0048	27.28737	9011961	-1.7E+07	9839695
507.3999	662586.5	-61.9949	27.27757	9015659	-1.7E+07	9836425
507.5999	662579.7	-61.9851	27.26777	9019357	-1.7E+07	9833155
507.7499	662574.6	-61.9777	27.26042	9022129	-1.7E+07	9830702
507.7999	662572.9	-61.9753	27.25797	9023054	-1.7E+07	9829884
507.9999	662566.1	-61.9654	27.24817	9026750	-1.7E+07	9826612
508.1999	662559.3	-61.9556	27.23836	9030446	-1.7E+07	9823340
508.3999	662552.5	-61.9458	27.22856	9034142	-1.7E+07	9820067
508.5999	662545.7	-61.9359	27.21876	9037837	-1.7E+07	9816794
508.7999	662538.9	-61.9261	27.20895	9041532	-1.7E+07	9813520
508.9999	662532.2	-61.9163	27.19915	9045226	-1.7E+07	9810246
509.1999	662525.4	-61.9065	27.18934	9048919	-1.7E+07	9806971
509.3999	662518.7	-61.8967	27.17953	9052612	-1.7E+07	9803695
509.5999	662511.9	-61.8869	27.16972	9056305	-1.7E+07	9800419
509.7999	662505.2	-61.877	27.15991	9059997	-1.7E+07	9797143
509.9999	662498.5	-61.8672	27.1501	9063689	-1.7E+07	9793866
510.1999	662491.8	-61.8574	27.14029	9067380	-1.7E+07	9790588

510.3999	662485.1	-61.8476	27.13048	9071070	-1.7E+07	9787310
510.5999	662478.4	-61.8378	27.12067	9074760	-1.7E+07	9784031
510.7999	662471.7	-61.828	27.11086	9078450	-1.7E+07	9780752
510.9999	662465.1	-61.8182	27.10104	9082139	-1.7E+07	9777472
511.1999	662458.4	-61.8084	27.09123	9085828	-1.7E+07	9774191
511.3999	662451.8	-61.7986	27.08141	9089516	-1.7E+07	9770910
511.5999	662445.1	-61.7888	27.0716	9093203	-1.7E+07	9767629
511.7999	662438.5	-61.779	27.06178	9096890	-1.7E+07	9764347
511.9999	662431.9	-61.7692	27.05196	9100577	-1.7E+07	9761064
512.1999	662425.3	-61.7594	27.04214	9104263	-1.7E+07	9757781
512.3999	662418.7	-61.7496	27.03232	9107949	-1.7E+07	9754497
512.5999	662412.1	-61.7399	27.0225	9111634	-1.7E+07	9751213
512.7999	662405.5	-61.7301	27.01268	9115318	-1.7E+07	9747928
512.9999	662399	-61.7203	27.00286	9119002	-1.7E+07	9744642
513.1999	662392.4	-61.7105	26.99303	9122686	-1.7E+07	9741356
513.3999	662385.9	-61.7007	26.98321	9126369	-1.7E+07	9738070
513.5999	662379.3	-61.6909	26.97339	9130052	-1.7E+07	9734783
513.7999	662372.8	-61.6812	26.96356	9133734	-1.7E+07	9731495
513.9999	662366.3	-61.6714	26.95373	9137415	-1.7E+07	9728207
514.1999	662359.8	-61.6616	26.94391	9141096	-1.7E+07	9724918
514.3999	662353.3	-61.6519	26.93408	9144777	-1.7E+07	9721629
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514.7999	662340.3	-61.6323	26.91442	9152136	-1.7E+07	9715049
514.9999	662333.8	-61.6226	26.90459	9155815	-1.7E+07	9711758
515.1999	662327.4	-61.6128	26.89476	9159494	-1.7E+07	9708466
515.3999	662320.9	-61.603	26.88493	9163172	-1.7E+07	9705174
515.5999	662314.5	-61.5933	26.87509	9166849	-1.7E+07	9701882
515.7999	662308.1	-61.5835	26.86526	9170526	-1.7E+07	9698589
515.9999	662301.7	-61.5738	26.85543	9174203	-1.7E+07	9695295
516.1999	662295.2	-61.564	26.84559	9177879	-1.7E+07	9692001
516.3999	662288.9	-61.5542	26.83575	9181554	-1.7E+07	9688706
516.5999	662282.5	-61.5445	26.82592	9185229	-1.7E+07	9685411
516.7999	662276.1	-61.5347	26.81608	9188903	-1.7E+07	9682115
516.9999	662269.7	-61.525	26.80624	9192577	-1.7E+07	9678819
517.1999	662263.4	-61.5153	26.7964	9196251	-1.7E+07	9675522
517.3999	662257	-61.5055	26.78656	9199924	-1.7E+07	9672224
517.5999	662250.7	-61.4958	26.77672	9203596	-1.7E+07	9668926
517.7999	662244.4	-61.486	26.76688	9207268	-1.7E+07	9665628
517.9999	662238	-61.4763	26.75704	9210939	-1.7E+07	9662328
518.1999	662231.7	-61.4666	26.74719	9214610	-1.7E+07	9659029
518.3999	662225.4	-61.4568	26.73735	9218281	-1.7E+07	9655729
518.5999	662219.1	-61.4471	26.7275	9221951	-1.7E+07	9652428
518.7999	662212.9	-61.4374	26.71766	9225620	-1.7E+07	9649126
518.9999	662206.6	-61.4276	26.70781	9229289	-1.7E+07	9645825
519.1999	662200.3	-61.4179	26.69796	9232957	-1.7E+07	9642522
519.3999	662194.1	-61.4082	26.68812	9236625	-1.7E+07	9639219
519.5999	662187.9	-61.3985	26.67827	9240292	-1.7E+07	9635916

519.7999	662181.6	-61.3887	26.66842	9243959	-1.7E+07	9632612
519.9999	662175.4	-61.379	26.65857	9247625	-1.7E+07	9629307
520.1999	662169.2	-61.3693	26.64871	9251291	-1.7E+07	9626002
520.3999	662163	-61.3596	26.63886	9254957	-1.7E+07	9622696
520.5999	662156.8	-61.3499	26.62901	9258621	-1.7E+07	9619390
520.7999	662150.7	-61.3402	26.61915	9262286	-1.7E+07	9616083
520.9999	662144.5	-61.3304	26.6093	9265949	-1.7E+07	9612776
521.1999	662138.4	-61.3207	26.59944	9269613	-1.7E+07	9609468
521.3999	662132.2	-61.311	26.58959	9273275	-1.7E+07	9606160
521.5999	662126.1	-61.3013	26.57973	9276937	-1.7E+07	9602851
521.7999	662120	-61.2916	26.56987	9280599	-1.7E+07	9599542
521.9999	662113.9	-61.2819	26.56001	9284260	-1.7E+07	9596232
522.1999	662107.8	-61.2722	26.55016	9287921	-1.7E+07	9592921
522.3999	662101.7	-61.2625	26.54029	9291581	-1.7E+07	9589610
522.5999	662095.6	-61.2528	26.53043	9295241	-1.7E+07	9586298
522.7999	662089.5	-61.2431	26.52057	9298900	-1.7E+07	9582986
522.9999	662083.5	-61.2334	26.51071	9302559	-1.7E+07	9579674
523.1999	662077.4	-61.2237	26.50085	9306217	-1.7E+07	9576360
523.3999	662071.4	-61.214	26.49098	9309874	-1.7E+07	9573046
523.5999	662065.4	-61.2044	26.48112	9313531	-1.7E+07	9569732
523.7999	662059.4	-61.1947	26.47125	9317188	-1.7E+07	9566417
523.9999	662053.4	-61.185	26.46138	9320844	-1.7E+07	9563102
524.1999	662047.4	-61.1753	26.45152	9324500	-1.7E+07	9559786
524.3999	662041.4	-61.1656	26.44165	9328155	-1.7E+07	9556469
524.5999	662035.4	-61.156	26.43178	9331809	-1.7E+07	9553152
524.7999	662029.4	-61.1463	26.42191	9335463	-1.7E+07	9549835
524.9999	662023.5	-61.1366	26.41204	9339117	-1.7E+07	9546517
525.1999	662017.6	-61.1269	26.40217	9342770	-1.7E+07	9543198
525.3999	662011.6	-61.1173	26.39229	9346422	-1.7E+07	9539879
525.5999	662005.7	-61.1076	26.38242	9350074	-1.7E+07	9536559
525.7999	661999.8	-61.0979	26.37255	9353725	-1.7E+07	9533239
525.9999	661993.9	-61.0882	26.36267	9357376	-1.7E+07	9529918
526.1999	661988	-61.0786	26.3528	9361027	-1.7E+07	9526597
526.3999	661982.1	-61.0689	26.34292	9364676	-1.7E+07	9523275
526.5999	661976.3	-61.0593	26.33304	9368326	-1.7E+07	9519953
526.7999	661970.4	-61.0496	26.32317	9371975	-1.7E+07	9516630
526.9999	661964.6	-61.0399	26.31329	9375623	-1.7E+07	9513306
527.1999	661958.7	-61.0303	26.30341	9379271	-1.7E+07	9509982
527.3999	661952.9	-61.0206	26.29353	9382918	-1.7E+07	9506658
527.5999	661947.1	-61.011	26.28365	9386565	-1.7E+07	9503333
527.7999	661941.3	-61.0013	26.27377	9390211	-1.7E+07	9500007
527.9999	661935.5	-60.9917	26.26388	9393857	-1.7E+07	9496681
528.1999	661929.7	-60.982	26.254	9397502	-1.7E+07	9493354
528.3999	661923.9	-60.9724	26.24412	9401147	-1.7E+07	9490027
528.5999	661918.2	-60.9627	26.23423	9404791	-1.7E+07	9486699
528.7999	661912.4	-60.9531	26.22435	9408435	-1.7E+07	9483371
528.9999	661906.7	-60.9435	26.21446	9412078	-1.7E+07	9480042

529.1999	661900.9	-60.9338	26.20457	9415720	-1.7E+07	9476712
529.3999	661895.2	-60.9242	26.19468	9419362	-1.7E+07	9473383
529.5999	661889.5	-60.9146	26.1848	9423004	-1.7E+07	9470052
529.7999	661883.8	-60.9049	26.17491	9426645	-1.7E+07	9466721
529.9999	661878.1	-60.8953	26.16502	9430286	-1.7E+07	9463390
530.1999	661872.4	-60.8857	26.15513	9433926	-1.7E+07	9460058
530.3999	661866.8	-60.876	26.14523	9437565	-1.7E+07	9456725
530.5999	661861.1	-60.8664	26.13534	9441204	-1.7E+07	9453392
530.7999	661855.5	-60.8568	26.12545	9444842	-1.7E+07	9450058
530.9999	661849.8	-60.8472	26.11555	9448480	-1.7E+07	9446724
531.1999	661844.2	-60.8375	26.10566	9452118	-1.7E+07	9443389
531.3999	661838.6	-60.8279	26.09576	9455755	-1.7E+07	9440054
531.5999	661833	-60.8183	26.08587	9459391	-1.7E+07	9436718
531.7999	661827.4	-60.8087	26.07597	9463027	-1.7E+07	9433382
531.9999	661821.8	-60.7991	26.06607	9466662	-1.7E+07	9430045
532.1999	661816.2	-60.7895	26.05617	9470297	-1.7E+07	9426708
532.3999	661810.6	-60.7799	26.04627	9473931	-1.7E+07	9423370
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532.7999	661799.5	-60.7606	26.02647	9481198	-1.7E+07	9416692
532.9999	661794	-60.751	26.01657	9484831	-1.7E+07	9413353
533.1999	661788.5	-60.7414	26.00667	9488463	-1.7E+07	9410013
533.3999	661783	-60.7318	25.99676	9492095	-1.7E+07	9406672
533.5999	661777.5	-60.7222	25.98686	9495726	-1.7E+07	9403331
533.7999	661772	-60.7126	25.97695	9499357	-1.7E+07	9399990
533.9999	661766.5	-60.703	25.96705	9502987	-1.7E+07	9396648
534.1999	661761	-60.6934	25.95714	9506616	-1.7E+07	9393305
534.3999	661755.6	-60.6839	25.94723	9510245	-1.7E+07	9389962
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534.7999	661744.7	-60.6647	25.92742	9517502	-1.7E+07	9383274
534.9999	661739.3	-60.6551	25.91751	9521129	-1.7E+07	9379929
535.1999	661733.8	-60.6455	25.9076	9524756	-1.7E+07	9376583
535.3999	661728.4	-60.6359	25.89769	9528383	-1.7E+07	9373238
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535.7999	661717.7	-60.6168	25.87786	9535634	-1.7E+07	9366544
535.9999	661712.3	-60.6072	25.86795	9539259	-1.7E+07	9363197
536.1999	661706.9	-60.5976	25.85803	9542883	-1.7E+07	9359849
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536.5999	661696.2	-60.5785	25.8382	9550130	-1.7E+07	9353151
536.7999	661690.9	-60.5689	25.82829	9553753	-1.7E+07	9349802
536.9999	661685.6	-60.5593	25.81837	9557375	-1.7E+07	9346452
537.1999	661680.3	-60.5497	25.80845	9560997	-1.7E+07	9343101
537.3999	661675	-60.5402	25.79853	9564618	-1.7E+07	9339750
537.5999	661669.7	-60.5306	25.78861	9568239	-1.7E+07	9336398
537.7999	661664.4	-60.521	25.77869	9571859	-1.7E+07	9333046
537.9999	661659.1	-60.5115	25.76877	9575478	-1.7E+07	9329693
538.1999	661653.9	-60.5019	25.75885	9579098	-1.7E+07	9326340
538.3999	661648.6	-60.4924	25.74893	9582716	-1.7E+07	9322986

538.5999	661643.4	-60.4828	25.739	9586334	-1.7E+07	9319632
538.7999	661638.1	-60.4733	25.72908	9589952	-1.7E+07	9316277
538.9999	661632.9	-60.4637	25.71915	9593568	-1.7E+07	9312922
539.1999	661627.7	-60.4542	25.70923	9597185	-1.7E+07	9309566
539.3999	661622.5	-60.4446	25.6993	9600801	-1.7E+07	9306210
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539.7999	661612.2	-60.4255	25.67945	9608031	-1.7E+07	9299495
539.9999	661607	-60.416	25.66952	9611645	-1.7E+07	9296137
540.1999	661601.8	-60.4064	25.65959	9615259	-1.7E+07	9292779
540.3999	661596.7	-60.3969	25.64966	9618872	-1.7E+07	9289420
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540.7999	661586.4	-60.3778	25.6298	9626097	-1.7E+07	9282700
540.9999	661581.3	-60.3683	25.61986	9629709	-1.7E+07	9279340
541.1999	661576.2	-60.3587	25.60993	9633320	-1.7E+07	9275978
541.3999	661571.1	-60.3492	25.6	9636930	-1.7E+07	9272617
541.5999	661566.1	-60.3397	25.59006	9640541	-1.7E+07	9269255
541.7999	661561	-60.3301	25.58013	9644150	-1.7E+07	9265892
541.9999	661555.9	-60.3206	25.57019	9647759	-1.7E+07	9262529
542.1999	661550.9	-60.3111	25.56025	9651368	-1.7E+07	9259165
542.3999	661545.8	-60.3016	25.55031	9654975	-1.7E+07	9255801
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542.7999	661535.8	-60.2825	25.53044	9662190	-1.7E+07	9249071
542.9999	661530.8	-60.273	25.5205	9665796	-1.7E+07	9245705
543.1999	661525.8	-60.2635	25.51056	9669402	-1.7E+07	9242339
543.3999	661520.8	-60.254	25.50062	9673007	-1.7E+07	9238972
543.5999	661515.8	-60.2445	25.49067	9676612	-1.7E+07	9235604
543.7999	661510.9	-60.235	25.48073	9680216	-1.7E+07	9232237
543.9999	661505.9	-60.2254	25.47079	9683820	-1.7E+07	9228868
544.1999	661501	-60.2159	25.46084	9687423	-1.7E+07	9225499
544.3999	661496.1	-60.2064	25.4509	9691025	-1.7E+07	9222130
544.5999	661491.1	-60.1969	25.44095	9694628	-1.7E+07	9218760
544.7999	661486.2	-60.1874	25.431	9698229	-1.7E+07	9215389
544.9999	661481.3	-60.1779	25.42106	9701830	-1.7E+07	9212018
545.1999	661476.4	-60.1684	25.41111	9705431	-1.7E+07	9208647
545.3999	661471.6	-60.1589	25.40116	9709030	-1.7E+07	9205275
545.5999	661466.7	-60.1494	25.39121	9712630	-1.7E+07	9201902
545.7999	661461.8	-60.1399	25.38126	9716229	-1.7E+07	9198529
545.9999	661457	-60.1304	25.37131	9719827	-1.7E+07	9195155
546.1999	661452.2	-60.1209	25.36136	9723425	-1.7E+07	9191781
546.3999	661447.3	-60.1114	25.3514	9727022	-1.7E+07	9188407
546.5999	661442.5	-60.102	25.34145	9730619	-1.7E+07	9185031
546.7999	661437.7	-60.0925	25.3315	9734215	-1.7E+07	9181656
546.9999	661432.9	-60.083	25.32154	9737811	-1.7E+07	9178280
547.1999	661428.1	-60.0735	25.31159	9741406	-1.7E+07	9174903
547.3999	661423.4	-60.064	25.30163	9745000	-1.7E+07	9171526
547.5999	661418.6	-60.0545	25.29167	9748594	-1.7E+07	9168148
547.7999	661413.9	-60.0451	25.28172	9752188	-1.7E+07	9164770

547.9999	661409.1	-60.0356	25.27176	9755781	-1.7E+07	9161391
548.1999	661404.4	-60.0261	25.2618	9759373	-1.7E+07	9158011
548.3999	661399.7	-60.0166	25.25184	9762965	-1.7E+07	9154632
548.5999	661395	-60.0072	25.24188	9766557	-1.7E+07	9151251
548.7999	661390.3	-59.9977	25.23192	9770147	-1.7E+07	9147870
548.9999	661385.6	-59.9882	25.22195	9773738	-1.7E+07	9144489
549.1999	661380.9	-59.9788	25.21199	9777327	-1.7E+07	9141107
549.3999	661376.2	-59.9693	25.20203	9780917	-1.7E+07	9137725
549.5999	661371.6	-59.9598	25.19206	9784505	-1.7E+07	9134342
549.7999	661366.9	-59.9504	25.1821	9788093	-1.7E+07	9130959
549.9999	661362.3	-59.9409	25.17213	9791681	-1.7E+07	9127575
550.1999	661357.7	-59.9315	25.16216	9795268	-1.7E+07	9124190
550.3999	661353.1	-59.922	25.1522	9798855	-1.7E+07	9120805
550.5999	661348.5	-59.9125	25.14223	9802441	-1.7E+07	9117420
550.7999	661343.9	-59.9031	25.13226	9806026	-1.7E+07	9114034
550.9999	661339.3	-59.8936	25.12229	9809611	-1.7E+07	9110647
551.1999	661334.7	-59.8842	25.11232	9813195	-1.7E+07	9107260
551.3999	661330.2	-59.8747	25.10235	9816779	-1.7E+07	9103873
551.5999	661325.6	-59.8653	25.09238	9820362	-1.7E+07	9100485
551.7999	661321.1	-59.8559	25.08241	9823945	-1.7E+07	9097096
551.9999	661316.6	-59.8464	25.07243	9827527	-1.7E+07	9093707
552.1999	661312	-59.837	25.06246	9831109	-1.7E+07	9090317
552.3999	661307.5	-59.8275	25.05248	9834690	-1.7E+07	9086927
552.5999	661303	-59.8181	25.04251	9838271	-1.7E+07	9083537
552.7999	661298.6	-59.8087	25.03253	9841851	-1.7E+07	9080145
552.9999	661294.1	-59.7992	25.02256	9845430	-1.7E+07	9076754
553.1999	661289.6	-59.7898	25.01258	9849009	-1.7E+07	9073362
553.3999	661285.2	-59.7804	25.0026	9852588	-1.7E+07	9069969
553.5999	661280.7	-59.7709	24.99262	9856166	-1.7E+07	9066576
553.7999	661276.3	-59.7615	24.98264	9859743	-1.7E+07	9063182
553.9999	661271.9	-59.7521	24.97266	9863320	-1.7E+07	9059788
554.1999	661267.5	-59.7426	24.96268	9866896	-1.7E+07	9056393
554.3999	661263.1	-59.7332	24.9527	9870472	-1.7E+07	9052998
554.5999	661258.7	-59.7238	24.94272	9874047	-1.7E+07	9049602
554.7999	661254.3	-59.7144	24.93273	9877621	-1.7E+07	9046206
554.9999	661250	-59.705	24.92275	9881195	-1.7E+07	9042809
555.1999	661245.6	-59.6955	24.91276	9884769	-1.7E+07	9039412
555.3999	661241.3	-59.6861	24.90278	9888342	-1.7E+07	9036014
555.5999	661236.9	-59.6767	24.89279	9891914	-1.7E+07	9032616
555.7999	661232.6	-59.6673	24.8828	9895486	-1.7E+07	9029217
555.9999	661228.3	-59.6579	24.87282	9899058	-1.7E+07	9025818
556.1999	661224	-59.6485	24.86283	9902628	-1.7E+07	9022418
556.3999	661219.7	-59.6391	24.85284	9906199	-1.7E+07	9019018
556.5999	661215.4	-59.6297	24.84285	9909768	-1.7E+07	9015617
556.7999	661211.1	-59.6203	24.83286	9913338	-1.7E+07	9012216
556.9999	661206.9	-59.6109	24.82287	9916906	-1.7E+07	9008814
557.1999	661202.6	-59.6015	24.81288	9920474	-1.7E+07	9005411

557.3999	661198.4	-59.5921	24.80288	9924042	-1.7E+07	9002009
557.5999	661194.2	-59.5827	24.79289	9927609	-1.7E+07	8998605
557.7999	661190	-59.5733	24.7829	9931175	-1.7E+07	8995201
557.9999	661185.8	-59.5639	24.7729	9934741	-1.7E+07	8991797
558.1999	661181.6	-59.5545	24.76291	9938307	-1.7E+07	8988392
558.3999	661177.4	-59.5451	24.75291	9941871	-1.7E+07	8984987
558.5999	661173.2	-59.5357	24.74291	9945436	-1.7E+07	8981581
558.7999	661169	-59.5263	24.73291	9948999	-1.7E+07	8978174
558.9999	661164.9	-59.5169	24.72292	9952563	-1.7E+07	8974768
559.1999	661160.8	-59.5076	24.71292	9956125	-1.7E+07	8971360
559.3999	661156.6	-59.4982	24.70292	9959687	-1.7E+07	8967952
559.5999	661152.5	-59.4888	24.69292	9963249	-1.7E+07	8964544
559.7999	661148.4	-59.4794	24.68292	9966810	-1.7E+07	8961135
559.9999	661144.3	-59.47	24.67291	9970370	-1.7E+07	8957725
560.1999	661140.2	-59.4607	24.66291	9973930	-1.7E+07	8954316
560.3999	661136.1	-59.4513	24.65291	9977490	-1.7E+07	8950905
560.5999	661132.1	-59.4419	24.6429	9981048	-1.7E+07	8947494
560.7999	661128	-59.4325	24.6329	9984607	-1.7E+07	8944083
560.9999	661124	-59.4232	24.62289	9988164	-1.7E+07	8940671
561.1999	661119.9	-59.4138	24.61289	9991722	-1.7E+07	8937258
561.3999	661115.9	-59.4044	24.60288	9995278	-1.7E+07	8933845
561.5999	661111.9	-59.3951	24.59287	9998834	-1.7E+07	8930432
561.7999	661107.9	-59.3857	24.58286	10002390	-1.7E+07	8927018
561.9999	661103.9	-59.3763	24.57286	10005945	-1.7E+07	8923603
562.1999	661099.9	-59.367	24.56285	10009499	-1.7E+07	8920188
562.3999	661096	-59.3576	24.55284	10013053	-1.7E+07	8916773
562.5999	661092	-59.3483	24.54282	10016606	-1.7E+07	8913357
562.7999	661088.1	-59.3389	24.53281	10020159	-1.7E+07	8909940
562.9999	661084.1	-59.3296	24.5228	10023711	-1.7E+07	8906523
563.1999	661080.2	-59.3202	24.51279	10027263	-1.7E+07	8903106
563.3999	661076.3	-59.3109	24.50277	10030814	-1.7E+07	8899688
563.5999	661072.4	-59.3015	24.49276	10034365	-1.7E+07	8896269
563.7999	661068.5	-59.2922	24.48274	10037915	-1.7E+07	8892850
563.9999	661064.6	-59.2828	24.47273	10041464	-1.7E+07	8889431
564.1999	661060.8	-59.2735	24.46271	10045013	-1.7E+07	8886011
564.3999	661056.9	-59.2641	24.45269	10048561	-1.7E+07	8882591
564.5999	661053	-59.2548	24.44268	10052109	-1.7E+07	8879170
564.7999	661049.2	-59.2455	24.43266	10055656	-1.7E+07	8875748
564.9999	661045.4	-59.2361	24.42264	10059203	-1.7E+07	8872326
565.1999	661041.6	-59.2268	24.41262	10062749	-1.7E+07	8868904
565.3999	661037.8	-59.2174	24.4026	10066295	-1.7E+07	8865481
565.5999	661034	-59.2081	24.39257	10069840	-1.7E+07	8862057
565.7999	661030.2	-59.1988	24.38255	10073384	-1.7E+07	8858633
565.9999	661026.4	-59.1895	24.37253	10076928	-1.7E+07	8855209
566.1999	661022.6	-59.1801	24.3625	10080472	-1.7E+07	8851784
566.3999	661018.9	-59.1708	24.35248	10084015	-1.7E+07	8848358
566.5999	661015.2	-59.1615	24.34246	10087557	-1.7E+07	8844932

566.7999	661011.4	-59.1522	24.33243	10091099	-1.7E+07	8841506
566.9999	661007.7	-59.1428	24.3224	10094640	-1.7E+07	8838079
567.1999	661004	-59.1335	24.31238	10098180	-1.7E+07	8834651
567.3999	661000.3	-59.1242	24.30235	10101720	-1.7E+07	8831223
567.5999	660996.6	-59.1149	24.29232	10105260	-1.7E+07	8827795
567.7999	660992.9	-59.1056	24.28229	10108799	-1.7E+07	8824366
567.9999	660989.3	-59.0962	24.27226	10112337	-1.7E+07	8820936
568.1999	660985.6	-59.0869	24.26223	10115875	-1.7E+07	8817506
568.3999	660982	-59.0776	24.2522	10119412	-1.7E+07	8814076
568.5999	660978.4	-59.0683	24.24217	10122949	-1.7E+07	8810645
568.7999	660974.7	-59.059	24.23213	10126485	-1.7E+07	8807213
568.9999	660971.1	-59.0497	24.2221	10130021	-1.7E+07	8803781
569.1999	660967.5	-59.0404	24.21207	10133556	-1.7E+07	8800349
569.3999	660963.9	-59.0311	24.20203	10137091	-1.7E+07	8796916
569.5999	660960.4	-59.0218	24.192	10140625	-1.7E+07	8793482
569.7999	660956.8	-59.0125	24.18196	10144158	-1.7E+07	8790048
569.9999	660953.2	-59.0032	24.17192	10147691	-1.7E+07	8786614
570.1999	660949.7	-58.9939	24.16189	10151223	-1.7E+07	8783179
570.3999	660946.2	-58.9846	24.15185	10154755	-1.7E+07	8779744
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570.7999	660939.1	-58.966	24.13177	10161817	-1.7E+07	8772871
570.9999	660935.6	-58.9567	24.12173	10165347	-1.7E+07	8769434
571.1999	660932.1	-58.9474	24.11169	10168876	-1.7E+07	8765997
571.3999	660928.6	-58.9382	24.10165	10172405	-1.7E+07	8762559
571.5999	660925.2	-58.9289	24.0916	10175934	-1.7E+07	8759121
571.7999	660921.7	-58.9196	24.08156	10179461	-1.7E+07	8755682
571.9999	660918.3	-58.9103	24.07152	10182989	-1.7E+07	8752242
572.1999	660914.8	-58.901	24.06147	10186516	-1.7E+07	8748803
572.3999	660911.4	-58.8918	24.05143	10190042	-1.7E+07	8745362
572.5999	660908	-58.8825	24.04138	10193567	-1.7E+07	8741921
572.7999	660904.6	-58.8732	24.03133	10197092	-1.7E+07	8738480
572.9999	660901.2	-58.8639	24.02129	10200617	-1.7E+07	8735038
573.1999	660897.8	-58.8547	24.01124	10204141	-1.7E+07	8731596
573.3999	660894.4	-58.8454	24.00119	10207664	-1.7E+07	8728153
573.5999	660891.1	-58.8361	23.99114	10211187	-1.7E+07	8724710
573.7999	660887.7	-58.8268	23.98109	10214709	-1.7E+07	8721266
573.9999	660884.4	-58.8176	23.97104	10218231	-1.7E+07	8717821
574.1999	660881.1	-58.8083	23.96099	10221752	-1.7E+07	8714377
574.3999	660877.8	-58.7991	23.95094	10225273	-1.7E+07	8710931
574.5999	660874.5	-58.7898	23.94089	10228793	-1.7E+07	8707486
574.7999	660871.2	-58.7805	23.93083	10232312	-1.7E+07	8704039
574.9999	660867.9	-58.7713	23.92078	10235831	-1.7E+07	8700593
575.1999	660864.6	-58.762	23.91072	10239349	-1.7E+07	8697145
575.3999	660861.3	-58.7528	23.90067	10242867	-1.7E+07	8693698
575.5999	660858.1	-58.7435	23.89061	10246384	-1.7E+07	8690249
575.7999	660854.9	-58.7343	23.88056	10249901	-1.7E+07	8686801
575.9999	660851.6	-58.725	23.8705	10253417	-1.7E+07	8683351

576.1999	660848.4	-58.7158	23.86044	10256933	-1.7E+07	8679902
576.3999	660845.2	-58.7065	23.85038	10260447	-1.7E+07	8676451
576.5999	660842	-58.6973	23.84032	10263962	-1.7E+07	8673001
576.7999	660838.8	-58.688	23.83026	10267476	-1.7E+07	8669550
576.9999	660835.6	-58.6788	23.8202	10270989	-1.7E+07	8666098
577.1999	660832.5	-58.6695	23.81014	10274502	-1.7E+07	8662646
577.3999	660829.3	-58.6603	23.80008	10278014	-1.7E+07	8659193
577.5999	660826.2	-58.6511	23.79002	10281525	-1.7E+07	8655740
577.7999	660823.1	-58.6418	23.77995	10285036	-1.7E+07	8652286
577.9999	660819.9	-58.6326	23.76989	10288547	-1.7E+07	8648832
578.1999	660816.8	-58.6233	23.75982	10292057	-1.7E+07	8645378
578.3999	660813.7	-58.6141	23.74976	10295566	-1.7E+07	8641923
578.5999	660810.6	-58.6049	23.73969	10299075	-1.7E+07	8638467
578.7999	660807.6	-58.5957	23.72963	10302583	-1.7E+07	8635011
578.9999	660804.5	-58.5864	23.71956	10306091	-1.7E+07	8631555
579.1999	660801.5	-58.5772	23.70949	10309598	-1.7E+07	8628098
579.3999	660798.4	-58.568	23.69942	10313104	-1.7E+07	8624640
579.5999	660795.4	-58.5588	23.68935	10316610	-1.7E+07	8621182
579.7999	660792.4	-58.5495	23.67928	10320116	-1.7E+07	8617724
579.9999	660789.4	-58.5403	23.66921	10323621	-1.7E+07	8614265
580.1999	660786.4	-58.5311	23.65914	10327125	-1.7E+07	8610805
580.3999	660783.4	-58.5219	23.64907	10330629	-1.7E+07	8607345
580.5999	660780.4	-58.5127	23.639	10334132	-1.7E+07	8603885
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580.9999	660774.5	-58.4942	23.61885	10341136	-1.7E+07	8596963
581.1999	660771.5	-58.485	23.60877	10344638	-1.7E+07	8593501
581.3999	660768.6	-58.4758	23.5987	10348138	-1.7E+07	8590038
581.5999	660765.7	-58.4666	23.58862	10351639	-1.7E+07	8586575
581.7999	660762.8	-58.4574	23.57855	10355139	-1.7E+07	8583112
581.9999	660759.9	-58.4482	23.56847	10358638	-1.7E+07	8579648
582.1999	660757	-58.439	23.55839	10362136	-1.7E+07	8576184
582.3999	660754.1	-58.4298	23.54831	10365634	-1.7E+07	8572719
582.5999	660751.2	-58.4206	23.53823	10369132	-1.7E+07	8569254
582.7999	660748.4	-58.4114	23.52815	10372629	-1.7E+07	8565788
582.9999	660745.5	-58.4022	23.51807	10376125	-1.7E+07	8562322
583.1999	660742.7	-58.393	23.50799	10379621	-1.7E+07	8558855
583.3999	660739.9	-58.3838	23.49791	10383116	-1.7E+07	8555388
583.5999	660737.1	-58.3746	23.48783	10386611	-1.7E+07	8551921
583.7999	660734.3	-58.3654	23.47774	10390105	-1.7E+07	8548452
583.9999	660731.5	-58.3562	23.46766	10393598	-1.7E+07	8544984
584.1999	660728.7	-58.3471	23.45757	10397091	-1.7E+07	8541515
584.3999	660725.9	-58.3379	23.44749	10400583	-1.7E+07	8538045
584.5999	660723.2	-58.3287	23.4374	10404075	-1.7E+07	8534575
584.7999	660720.4	-58.3195	23.42732	10407566	-1.7E+07	8531104
584.9999	660717.7	-58.3103	23.41723	10411057	-1.7E+07	8527633
585.1999	660715	-58.3011	23.40714	10414547	-1.7E+07	8524162
585.3999	660712.3	-58.292	23.39705	10418037	-1.7E+07	8520690

585.5999	660709.6	-58.2828	23.38696	10421526	-1.7E+07	8517217
585.7999	660706.9	-58.2736	23.37687	10425014	-1.7E+07	8513744
585.9999	660704.2	-58.2644	23.36678	10428502	-1.7E+07	8510271
586.1999	660701.5	-58.2553	23.35669	10431989	-1.7E+07	8506797
586.3999	660698.9	-58.2461	23.3466	10435476	-1.7E+07	8503323
586.5999	660696.2	-58.2369	23.33651	10438962	-1.7E+07	8499848
586.7999	660693.6	-58.2278	23.32641	10442447	-1.7E+07	8496372
586.9999	660691	-58.2186	23.31632	10445932	-1.7E+07	8492897
587.1999	660688.4	-58.2094	23.30623	10449416	-1.7E+07	8489420
587.3999	660685.8	-58.2003	23.29613	10452900	-1.7E+07	8485944
587.5999	660683.2	-58.1911	23.28604	10456383	-1.7E+07	8482466
587.7499	660681.2	-58.1842	23.27846	10458996	-1.7E+07	8479858
587.7999	660680.6	-58.1819	23.27594	10459866	-1.7E+07	8478989
587.9999	660678	-58.1728	23.26584	10463348	-1.7E+07	8475510
588.1999	660675.5	-58.1636	23.25574	10466830	-1.7E+07	8472032
588.3999	660672.9	-58.1545	23.24565	10470311	-1.7E+07	8468552
588.5999	660670.4	-58.1453	23.23555	10473791	-1.7E+07	8465073
588.7999	660667.9	-58.1362	23.22545	10477271	-1.7E+07	8461593
588.9999	660665.3	-58.127	23.21535	10480750	-1.7E+07	8458112
589.1999	660662.8	-58.1179	23.20525	10484229	-1.7E+07	8454631
589.3999	660660.4	-58.1087	23.19514	10487707	-1.7E+07	8451149
589.5999	660657.9	-58.0996	23.18504	10491184	-1.7E+07	8447667
589.7999	660655.4	-58.0904	23.17494	10494661	-1.7E+07	8444185
589.9999	660652.9	-58.0813	23.16484	10498138	-1.7E+07	8440702
590.1999	660650.5	-58.0721	23.15473	10501613	-1.7E+07	8437218
590.3999	660648.1	-58.063	23.14463	10505089	-1.7E+07	8433734
590.5999	660645.6	-58.0539	23.13452	10508563	-1.7E+07	8430250
590.7999	660643.2	-58.0447	23.12442	10512037	-1.7E+07	8426765
590.9999	660640.8	-58.0356	23.11431	10515511	-1.7E+07	8423280
591.1999	660638.4	-58.0264	23.1042	10518984	-1.7E+07	8419794
591.3999	660636.1	-58.0173	23.09409	10522456	-1.7E+07	8416308
591.5999	660633.7	-58.0082	23.08398	10525928	-1.7E+07	8412821
591.7999	660631.3	-57.999	23.07388	10529399	-1.7E+07	8409334
591.9999	660629	-57.9899	23.06377	10532869	-1.7E+07	8405846
592.1999	660626.6	-57.9808	23.05365	10536340	-1.7E+07	8402358
592.3999	660624.3	-57.9717	23.04354	10539809	-1.7E+07	8398869
592.5999	660622	-57.9625	23.03343	10543278	-1.7E+07	8395380
592.7999	660619.7	-57.9534	23.02332	10546746	-1.7E+07	8391890
592.9999	660617.4	-57.9443	23.01321	10550214	-1.7E+07	8388400
593.1999	660615.1	-57.9352	23.00309	10553681	-1.7E+07	8384909
593.3999	660612.9	-57.9261	22.99298	10557148	-1.7E+07	8381418
593.5999	660610.6	-57.9169	22.98286	10560614	-1.7E+07	8377927
593.7999	660608.4	-57.9078	22.97275	10564079	-1.7E+07	8374435
593.9999	660606.1	-57.8987	22.96263	10567544	-1.7E+07	8370942
594.1999	660603.9	-57.8896	22.95251	10571008	-1.7E+07	8367450
594.3999	660601.7	-57.8805	22.9424	10574472	-1.7E+07	8363956
594.5999	660599.5	-57.8714	22.93228	10577935	-1.7E+07	8360462

594.7999	660597.3	-57.8623	22.92216	10581398	-1.7E+07	8356968
594.9999	660595.1	-57.8532	22.91204	10584859	-1.7E+07	8353473
595.1999	660593	-57.8441	22.90192	10588321	-1.7E+07	8349978
595.3999	660590.8	-57.8349	22.8918	10591782	-1.7E+07	8346482
595.5999	660588.7	-57.8258	22.88168	10595242	-1.7E+07	8342986
595.7999	660586.5	-57.8167	22.87156	10598702	-1.7E+07	8339489
595.9999	660584.4	-57.8076	22.86143	10602161	-1.7E+07	8335992
596.1999	660582.3	-57.7985	22.85131	10605619	-1.7E+07	8332494
596.3999	660580.2	-57.7895	22.84119	10609077	-1.7E+07	8328996
596.5999	660578.1	-57.7804	22.83106	10612534	-1.7E+07	8325498
596.7999	660576	-57.7713	22.82094	10615991	-1.7E+07	8321999
596.9999	660573.9	-57.7622	22.81081	10619447	-1.7E+07	8318499
597.1999	660571.9	-57.7531	22.80068	10622903	-1.7E+07	8314999
597.2499	660571.4	-57.7508	22.79815	10623767	-1.7E+07	8314124
597.3999	660569.8	-57.744	22.79056	10626358	-1.7E+07	8311499
597.5999	660567.8	-57.7349	22.78043	10629812	-1.7E+07	8307998
597.7499	660566.3	-57.7281	22.77286	10632394	-1.7E+07	8305380
597.7999	660565.8	-57.7258	22.77032	10633257	-1.7E+07	8304505
597.9999	660563.8	-57.7168	22.7602	10636710	-1.7E+07	8301003
598.1999	660561.8	-57.7077	22.75007	10640163	-1.7E+07	8297501
598.3999	660559.8	-57.6986	22.73994	10643615	-1.7E+07	8293998
598.5999	660557.8	-57.6895	22.72981	10647066	-1.7E+07	8290495
598.7999	660555.9	-57.6804	22.71968	10650517	-1.7E+07	8286992
598.9999	660553.9	-57.6714	22.70955	10653967	-1.7E+07	8283488
599.1999	660552	-57.6623	22.69941	10657416	-1.7E+07	8279984
599.3999	660550	-57.6532	22.68928	10660865	-1.7E+07	8276479
599.5999	660548.1	-57.6441	22.67915	10664314	-1.7E+07	8272973
599.7999	660546.2	-57.6351	22.66901	10667761	-1.7E+07	8269468
599.9999	660544.3	-57.626	22.65888	10671209	-1.7E+07	8265961
600.1999	660542.4	-57.6169	22.64874	10674655	-1.7E+07	8262454
600.3999	660540.5	-57.6079	22.63861	10678101	-1.7E+07	8258947
600.5999	660538.7	-57.5988	22.62847	10681547	-1.7E+07	8255440
600.7999	660536.8	-57.5897	22.61833	10684992	-1.7E+07	8251931
600.9999	660534.9	-57.5807	22.6082	10688436	-1.7E+07	8248423
601.1999	660533.1	-57.5716	22.59806	10691880	-1.7E+07	8244914
601.3999	660531.3	-57.5625	22.58792	10695323	-1.7E+07	8241404
601.5999	660529.5	-57.5535	22.57778	10698765	-1.7E+07	8237894
601.7999	660527.7	-57.5444	22.56764	10702207	-1.7E+07	8234384
601.9999	660525.9	-57.5354	22.5575	10705649	-1.7E+07	8230873
602.1999	660524.1	-57.5263	22.54736	10709090	-1.7E+07	8227361
602.3999	660522.3	-57.5173	22.53722	10712530	-1.7E+07	8223850
602.5999	660520.6	-57.5082	22.52707	10715970	-1.7E+07	8220337
602.7999	660518.8	-57.4992	22.51693	10719409	-1.7E+07	8216824
602.9999	660517.1	-57.4901	22.50679	10722847	-1.7E+07	8213311
603.1999	660515.4	-57.4811	22.49664	10726285	-1.7E+07	8209798
603.3999	660513.6	-57.472	22.4865	10729723	-1.7E+07	8206283
603.5999	660511.9	-57.463	22.47635	10733160	-1.7E+07	8202769

603.7999	660510.2	-57.4539	22.46621	10736596	-1.7E+07	8199254
603.9999	660508.6	-57.4449	22.45606	10740031	-1.7E+07	8195738
604.1999	660506.9	-57.4359	22.44591	10743466	-1.7E+07	8192222
604.3999	660505.2	-57.4268	22.43576	10746901	-1.7E+07	8188706
604.5999	660503.6	-57.4178	22.42561	10750335	-1.7E+07	8185189
604.7999	660501.9	-57.4088	22.41547	10753768	-1.7E+07	8181672
604.9999	660500.3	-57.3997	22.40532	10757201	-1.7E+07	8178154
605.1999	660498.7	-57.3907	22.39516	10760633	-1.7E+07	8174635
605.3999	660497.1	-57.3817	22.38501	10764065	-1.7E+07	8171117
605.5999	660495.5	-57.3726	22.37486	10767496	-1.7E+07	8167597
605.7999	660493.9	-57.3636	22.36471	10770926	-1.7E+07	8164078
605.9999	660492.3	-57.3546	22.35456	10774356	-1.7E+07	8160558
606.1999	660490.8	-57.3455	22.3444	10777785	-1.7E+07	8157037
606.3999	660489.2	-57.3365	22.33425	10781214	-1.7E+07	8153516
606.5999	660487.7	-57.3275	22.32409	10784642	-1.7E+07	8149994
606.7999	660486.2	-57.3185	22.31394	10788069	-1.7E+07	8146472
606.9999	660484.6	-57.3095	22.30378	10791496	-1.7E+07	8142950
607.1999	660483.1	-57.3004	22.29363	10794922	-1.7E+07	8139427
607.3999	660481.6	-57.2914	22.28347	10798348	-1.7E+07	8135904
607.5999	660480.2	-57.2824	22.27331	10801773	-1.7E+07	8132380
607.7516	660479	-57.2756	22.26561	10804370	-1.7E+07	8129707
607.7999	660478.7	-57.2734	22.26315	10805198	-1.7E+07	8128856
607.9999	660477.2	-57.2644	22.25299	10808622	-1.7E+07	8125331
608.1999	660475.8	-57.2554	22.24283	10812045	-1.7E+07	8121806
608.3999	660474.3	-57.2464	22.23267	10815468	-1.7E+07	8118280
608.5999	660472.9	-57.2373	22.22251	10818890	-1.7E+07	8114754
608.7999	660471.5	-57.2283	22.21235	10822312	-1.7E+07	8111227
608.9999	660470.1	-57.2193	22.20219	10825733	-1.7E+07	8107700
609.1999	660468.7	-57.2103	22.19202	10829153	-1.7E+07	8104173
609.3999	660467.3	-57.2013	22.18186	10832573	-1.7E+07	8100645
609.5999	660465.9	-57.1923	22.1717	10835992	-1.7E+07	8097116
609.7999	660464.6	-57.1833	22.16153	10839411	-1.7E+07	8093588
609.9999	660463.2	-57.1743	22.15137	10842829	-1.7E+07	8090058
610.1999	660461.9	-57.1653	22.1412	10846246	-1.7E+07	8086528
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610.7999	660457.9	-57.1383	22.1107	10856495	-1.7E+07	8075936
610.9999	660456.7	-57.1294	22.10053	10859911	-1.7E+07	8072405
611.1999	660455.4	-57.1204	22.09036	10863325	-1.7E+07	8068873
611.3999	660454.1	-57.1114	22.08019	10866739	-1.7E+07	8065340
611.5999	660452.8	-57.1024	22.07002	10870152	-1.7E+07	8061807
611.7999	660451.6	-57.0934	22.05985	10873565	-1.7E+07	8058274
611.9999	660450.3	-57.0844	22.04968	10876977	-1.7E+07	8054740
612.1999	660449.1	-57.0754	22.03951	10880389	-1.7E+07	8051206
612.3999	660447.9	-57.0664	22.02934	10883800	-1.7E+07	8047671
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612.7999	660445.5	-57.0485	22.00899	10890620	-1.7E+07	8040600

612.9999	660444.3	-57.0395	21.99882	10894030	-1.7E+07	8037064
613.1999	660443.2	-57.0305	21.98864	10897438	-1.7E+07	8033528
613.3999	660442	-57.0216	21.97847	10900846	-1.7E+07	8029991
613.5999	660440.8	-57.0126	21.96829	10904254	-1.7E+07	8026453
613.7999	660439.7	-57.0036	21.95811	10907661	-1.7E+07	8022915
613.9999	660438.6	-56.9946	21.94794	10911067	-1.7E+07	8019377
614.1999	660437.5	-56.9857	21.93776	10914473	-1.7E+07	8015838
614.3999	660436.4	-56.9767	21.92758	10917878	-1.7E+07	8012299
614.5999	660435.3	-56.9677	21.9174	10921282	-1.7E+07	8008759
614.7999	660434.2	-56.9588	21.90722	10924686	-1.7E+07	8005219
614.9999	660433.1	-56.9498	21.89704	10928090	-1.7E+07	8001678
615.1999	660432.1	-56.9408	21.88686	10931492	-1.7E+07	7998137
615.3999	660431	-56.9319	21.87668	10934894	-1.7E+07	7994596
615.5999	660430	-56.9229	21.8665	10938296	-1.7E+07	7991054
615.7999	660428.9	-56.914	21.85632	10941697	-1.7E+07	7987511
615.9999	660427.9	-56.905	21.84613	10945097	-1.7E+07	7983968
616.1999	660426.9	-56.8961	21.83595	10948497	-1.7E+07	7980425
616.3999	660425.9	-56.8871	21.82576	10951896	-1.7E+07	7976881
616.5999	660425	-56.8781	21.81558	10955295	-1.7E+07	7973337
616.7999	660424	-56.8692	21.80539	10958693	-1.7E+07	7969792
616.9999	660423	-56.8602	21.79521	10962090	-1.7E+07	7966247
617.1999	660422.1	-56.8513	21.78502	10965487	-1.7E+07	7962702
617.3999	660421.1	-56.8423	21.77483	10968884	-1.7E+07	7959156
617.5999	660420.2	-56.8334	21.76465	10972279	-1.7E+07	7955609
617.7999	660419.3	-56.8245	21.75446	10975674	-1.7E+07	7952062
617.9999	660418.4	-56.8155	21.74427	10979069	-1.7E+07	7948515
618.1999	660417.5	-56.8066	21.73408	10982463	-1.7E+07	7944967
618.3999	660416.6	-56.7976	21.72389	10985856	-1.7E+07	7941418
618.5999	660415.8	-56.7887	21.7137	10989249	-1.7E+07	7937870
618.7999	660414.9	-56.7798	21.70351	10992641	-1.7E+07	7934321
618.9999	660414.1	-56.7708	21.69331	10996032	-1.7E+07	7930771
619.1999	660413.2	-56.7619	21.68312	10999423	-1.7E+07	7927221
619.3999	660412.4	-56.7529	21.67293	11002814	-1.7E+07	7923670
619.5999	660411.6	-56.744	21.66273	11006203	-1.7E+07	7920119
619.7999	660410.8	-56.7351	21.65254	11009592	-1.7E+07	7916568
619.9999	660410	-56.7262	21.64235	11012981	-1.7E+07	7913016
620.1999	660409.2	-56.7172	21.63215	11016369	-1.7E+07	7909464
620.3999	660408.5	-56.7083	21.62195	11019756	-1.7E+07	7905911
620.5999	660407.7	-56.6994	21.61176	11023143	-1.7E+07	7902358
620.7999	660407	-56.6904	21.60156	11026529	-1.7E+07	7898804
620.9999	660406.2	-56.6815	21.59136	11029915	-1.7E+07	7895250
621.1999	660405.5	-56.6726	21.58116	11033300	-1.7E+07	7891696
621.3999	660404.8	-56.6637	21.57096	11036684	-1.7E+07	7888141
621.5999	660404.1	-56.6548	21.56076	11040068	-1.7E+07	7884585
621.7999	660403.4	-56.6458	21.55056	11043451	-1.7E+07	7881030
621.9999	660402.7	-56.6369	21.54036	11046833	-1.7E+07	7877473
622.1999	660402.1	-56.628	21.53016	11050215	-1.7E+07	7873917

622.3999	660401.4	-56.6191	21.51996	11053597	-1.7E+07	7870359
622.5999	660400.8	-56.6102	21.50976	11056977	-1.7E+07	7866802
622.7999	660400.2	-56.6013	21.49956	11060357	-1.7E+07	7863244
622.9999	660399.5	-56.5924	21.48935	11063737	-1.7E+07	7859685
623.1999	660398.9	-56.5835	21.47915	11067116	-1.7E+07	7856126
623.3999	660398.3	-56.5746	21.46894	11070494	-1.7E+07	7852567
623.5999	660397.7	-56.5656	21.45874	11073872	-1.7E+07	7849007
623.7999	660397.2	-56.5567	21.44853	11077249	-1.7E+07	7845447
623.9999	660396.6	-56.5478	21.43833	11080626	-1.7E+07	7841886
624.1999	660396.1	-56.5389	21.42812	11084002	-1.7E+07	7838325
624.3999	660395.5	-56.53	21.41791	11087377	-1.7E+07	7834764
624.5999	660395	-56.5211	21.4077	11090752	-1.7E+07	7831202
624.7999	660394.5	-56.5122	21.39749	11094126	-1.7E+07	7827639
624.9999	660394	-56.5033	21.38729	11097499	-1.7E+07	7824076
625.1999	660393.5	-56.4945	21.37708	11100872	-1.7E+07	7820513
625.3999	660393	-56.4856	21.36686	11104245	-1.7E+07	7816949
625.5999	660392.5	-56.4767	21.35665	11107616	-1.7E+07	7813385
625.7999	660392.1	-56.4678	21.34644	11110988	-1.7E+07	7809820
625.9999	660391.6	-56.4589	21.33623	11114358	-1.7E+07	7806255
626.1999	660391.2	-56.45	21.32602	11117728	-1.7E+07	7802690
626.3999	660390.7	-56.4411	21.3158	11121097	-1.7E+07	7799124
626.5999	660390.3	-56.4322	21.30559	11124466	-1.7E+07	7795557
626.7999	660389.9	-56.4233	21.29538	11127834	-1.7E+07	7791991
626.9999	660389.5	-56.4145	21.28516	11131202	-1.7E+07	7788423
627.1999	660389.1	-56.4056	21.27495	11134569	-1.7E+07	7784856
627.3999	660388.8	-56.3967	21.26473	11137935	-1.7E+07	7781288
627.5999	660388.4	-56.3878	21.25451	11141301	-1.7E+07	7777719
627.7499	660388.2	-56.3812	21.24685	11143825	-1.7E+07	7775042
627.7999	660388.1	-56.3789	21.2443	11144666	-1.7E+07	7774150
627.9999	660387.7	-56.3701	21.23408	11148030	-1.7E+07	7770581
628.1999	660387.4	-56.3612	21.22386	11151394	-1.7E+07	7767011
628.3999	660387.1	-56.3523	21.21364	11154757	-1.7E+07	7763440
628.5999	660386.8	-56.3434	21.20342	11158120	-1.7E+07	7759870
628.7999	660386.5	-56.3346	21.1932	11161482	-1.7E+07	7756299
628.9999	660386.2	-56.3257	21.18298	11164844	-1.7E+07	7752727
629.1999	660386	-56.3168	21.17276	11168204	-1.7E+07	7749155
629.3999	660385.7	-56.308	21.16254	11171565	-1.7E+07	7745582
629.5999	660385.4	-56.2991	21.15232	11174924	-1.7E+07	7742010
629.7999	660385.2	-56.2902	21.14209	11178283	-1.7E+07	7738436
629.9999	660385	-56.2814	21.13187	11181642	-1.7E+07	7734862
630.1999	660384.8	-56.2725	21.12165	11185000	-1.7E+07	7731288
630.3999	660384.6	-56.2637	21.11142	11188357	-1.7E+07	7727714
630.5999	660384.4	-56.2548	21.1012	11191714	-1.7E+07	7724139
630.7999	660384.2	-56.2459	21.09097	11195070	-1.7E+07	7720563
630.9999	660384.1	-56.2371	21.08074	11198425	-1.7E+07	7716987
631.1999	660383.9	-56.2282	21.07052	11201780	-1.7E+07	7713411
631.3999	660383.8	-56.2194	21.06029	11205134	-1.7E+07	7709834

631.5999	660383.6	-56.2105	21.05006	11208488	-1.7E+07	7706257
631.7999	660383.5	-56.2017	21.03983	11211841	-1.7E+07	7702679
631.9999	660383.4	-56.1928	21.02961	11215193	-1.7E+07	7699101
632.1999	660383.3	-56.184	21.01938	11218545	-1.7E+07	7695522
632.3999	660383.2	-56.1751	21.00915	11221896	-1.7E+07	7691943
632.5999	660383.1	-56.1663	20.99892	11225246	-1.7E+07	7688364
632.7999	660383.1	-56.1574	20.98868	11228596	-1.7E+07	7684784
632.9999	660383	-56.1486	20.97845	11231946	-1.7E+07	7681204
633.1999	660383	-56.1398	20.96822	11235294	-1.7E+07	7677623
633.3999	660383	-56.1309	20.95799	11238643	-1.7E+07	7674042
633.5999	660382.9	-56.1221	20.94775	11241990	-1.7E+07	7670461
633.7999	660382.9	-56.1132	20.93752	11245337	-1.7E+07	7666879
633.9999	660382.9	-56.1044	20.92729	11248683	-1.7E+07	7663296
634.1999	660383	-56.0956	20.91705	11252029	-1.7E+07	7659713
634.3999	660383	-56.0867	20.90682	11255374	-1.7E+07	7656130
634.5999	660383	-56.0779	20.89658	11258718	-1.7E+07	7652546
634.7999	660383.1	-56.0691	20.88634	11262062	-1.7E+07	7648962
634.9999	660383.1	-56.0602	20.87611	11265406	-1.7E+07	7645378
635.1999	660383.2	-56.0514	20.86587	11268748	-1.7E+07	7641793
635.3999	660383.3	-56.0426	20.85563	11272090	-1.7E+07	7638207
635.5999	660383.4	-56.0338	20.84539	11275432	-1.7E+07	7634622
635.7999	660383.5	-56.0249	20.83515	11278772	-1.7E+07	7631035
635.9999	660383.6	-56.0161	20.82491	11282113	-1.7E+07	7627449
636.1999	660383.8	-56.0073	20.81467	11285452	-1.7E+07	7623861
636.3999	660383.9	-55.9985	20.80443	11288791	-1.7E+07	7620274
636.5999	660384	-55.9896	20.79419	11292129	-1.7E+07	7616686
636.7999	660384.2	-55.9808	20.78395	11295467	-1.7E+07	7613098
636.9999	660384.4	-55.972	20.7737	11298804	-1.7E+07	7609509
637.1999	660384.6	-55.9632	20.76346	11302141	-1.7E+07	7605919
637.3999	660384.8	-55.9544	20.75322	11305477	-1.7E+07	7602330
637.5999	660385	-55.9456	20.74297	11308812	-1.7E+07	7598740
637.7999	660385.2	-55.9368	20.73273	11312147	-1.7E+07	7595149
637.9999	660385.4	-55.9279	20.72248	11315481	-1.7E+07	7591558
638.1999	660385.7	-55.9191	20.71224	11318814	-1.7E+07	7587967
638.3999	660385.9	-55.9103	20.70199	11322147	-1.7E+07	7584375
638.5999	660386.2	-55.9015	20.69174	11325479	-1.7E+07	7580783
638.7999	660386.5	-55.8927	20.68149	11328811	-1.7E+07	7577190
638.9999	660386.8	-55.8839	20.67125	11332142	-1.7E+07	7573597
639.1999	660387.1	-55.8751	20.661	11335472	-1.7E+07	7570004
639.3999	660387.4	-55.8663	20.65075	11338802	-1.7E+07	7566410
639.5999	660387.7	-55.8575	20.6405	11342131	-1.7E+07	7562815
639.7999	660388.1	-55.8487	20.63025	11345460	-1.7E+07	7559221
639.9999	660388.4	-55.8399	20.62	11348788	-1.7E+07	7555625
640.1999	660388.8	-55.8311	20.60975	11352115	-1.7E+07	7552030
640.3999	660389.1	-55.8223	20.59949	11355442	-1.7E+07	7548434
640.5999	660389.5	-55.8135	20.58924	11358768	-1.7E+07	7544837
640.7999	660389.9	-55.8047	20.57899	11362093	-1.7E+07	7541240

640.9999	660390.3	-55.7959	20.56874	11365418	-1.7E+07	7537643
641.1999	660390.8	-55.7872	20.55848	11368742	-1.7E+07	7534045
641.3999	660391.2	-55.7784	20.54823	11372066	-1.7E+07	7530447
641.5999	660391.6	-55.7696	20.53797	11375389	-1.7E+07	7526849
641.7999	660392.1	-55.7608	20.52772	11378711	-1.7E+07	7523250
641.9999	660392.5	-55.752	20.51746	11382033	-1.7E+07	7519650
642.1999	660393	-55.7432	20.5072	11385354	-1.7E+07	7516050
642.3999	660393.5	-55.7344	20.49695	11388675	-1.7E+07	7512450
642.5999	660394	-55.7257	20.48669	11391995	-1.7E+07	7508849
642.7999	660394.5	-55.7169	20.47643	11395314	-1.7E+07	7505248
642.9999	660395	-55.7081	20.46617	11398633	-1.7E+07	7501647
643.1999	660395.6	-55.6993	20.45591	11401951	-1.7E+07	7498045
643.3999	660396.1	-55.6905	20.44565	11405268	-1.7E+07	7494442
643.5999	660396.7	-55.6818	20.43539	11408585	-1.7E+07	7490840
643.7999	660397.2	-55.673	20.42513	11411901	-1.7E+07	7487236
643.9999	660397.8	-55.6642	20.41487	11415217	-1.7E+07	7483633
644.1999	660398.4	-55.6555	20.40461	11418532	-1.7E+07	7480029
644.3999	660399	-55.6467	20.39434	11421846	-1.7E+07	7476424
644.5999	660399.6	-55.6379	20.38408	11425160	-1.7E+07	7472819
644.7999	660400.2	-55.6292	20.37382	11428473	-1.7E+07	7469214
644.9999	660400.9	-55.6204	20.36355	11431786	-1.7E+07	7465608
645.1999	660401.5	-55.6116	20.35329	11435098	-1.7E+07	7462002
645.3999	660402.2	-55.6029	20.34302	11438409	-1.7E+07	7458396
645.5999	660402.8	-55.5941	20.33276	11441720	-1.7E+07	7454789
645.7999	660403.5	-55.5853	20.32249	11445030	-1.7E+07	7451181
645.9999	660404.2	-55.5766	20.31222	11448339	-1.7E+07	7447573
646.1999	660404.9	-55.5678	20.30196	11451648	-1.7E+07	7443965
646.3999	660405.6	-55.5591	20.29169	11454956	-1.7E+07	7440357
646.5999	660406.4	-55.5503	20.28142	11458264	-1.7E+07	7436748
646.7999	660407.1	-55.5416	20.27115	11461571	-1.7E+07	7433138
646.9999	660407.9	-55.5328	20.26088	11464877	-1.7E+07	7429528
647.1999	660408.6	-55.524	20.25061	11468183	-1.7E+07	7425918
647.3999	660409.4	-55.5153	20.24034	11471488	-1.7E+07	7422307
647.5999	660410.2	-55.5065	20.23007	11474792	-1.7E+07	7418696
647.7999	660411	-55.4978	20.2198	11478096	-1.7E+07	7415084
647.9999	660411.8	-55.4891	20.20953	11481399	-1.7E+07	7411472
648.1999	660412.6	-55.4803	20.19925	11484702	-1.7E+07	7407860
648.3999	660413.5	-55.4716	20.18898	11488004	-1.7E+07	7404247
648.5999	660414.3	-55.4628	20.17871	11491305	-1.7E+07	7400634
648.7999	660415.2	-55.4541	20.16843	11494606	-1.7E+07	7397020
648.9999	660416	-55.4453	20.15816	11497906	-1.7E+07	7393406
649.1999	660416.9	-55.4366	20.14788	11501205	-1.7E+07	7389792
649.3999	660417.8	-55.4279	20.13761	11504504	-1.7E+07	7386177
649.5999	660418.7	-55.4191	20.12733	11507803	-1.7E+07	7382562
649.7999	660419.6	-55.4104	20.11705	11511100	-1.7E+07	7378946
649.9999	660420.5	-55.4017	20.10678	11514397	-1.7E+07	7375330
650.1999	660421.5	-55.3929	20.0965	11517694	-1.7E+07	7371713

650.3999	660422.4	-55.3842	20.08622	11520989	-1.7E+07	7368096
650.5999	660423.4	-55.3755	20.07594	11524284	-1.7E+07	7364479
650.7999	660424.3	-55.3667	20.06566	11527579	-1.7E+07	7360861
650.9999	660425.3	-55.358	20.05538	11530873	-1.7E+07	7357243
651.1999	660426.3	-55.3493	20.0451	11534166	-1.7E+07	7353624
651.3999	660427.3	-55.3405	20.03482	11537459	-1.7E+07	7350005
651.5999	660428.3	-55.3318	20.02454	11540751	-1.7E+07	7346386
651.7999	660429.4	-55.3231	20.01426	11544042	-1.7E+07	7342766
651.9999	660430.4	-55.3144	20.00397	11547333	-1.7E+07	7339146
652.1999	660431.5	-55.3057	19.99369	11550623	-1.7E+07	7335525
652.3999	660432.5	-55.2969	19.98341	11553913	-1.7E+07	7331904
652.5999	660433.6	-55.2882	19.97312	11557201	-1.7E+07	7328283
652.7999	660434.7	-55.2795	19.96284	11560490	-1.7E+07	7324661
652.9999	660435.8	-55.2708	19.95255	11563777	-1.7E+07	7321038
653.1999	660436.9	-55.2621	19.94227	11567064	-1.7E+07	7317416
653.3999	660438	-55.2534	19.93198	11570351	-1.7E+07	7313793
653.5999	660439.2	-55.2446	19.92169	11573636	-1.7E+07	7310169
653.7999	660440.3	-55.2359	19.91141	11576922	-1.7E+07	7306545
653.9999	660441.5	-55.2272	19.90112	11580206	-1.7E+07	7302921
654.1999	660442.6	-55.2185	19.89083	11583490	-1.7E+07	7299296
654.3999	660443.8	-55.2098	19.88054	11586773	-1.7E+07	7295671
654.5999	660445	-55.2011	19.87025	11590056	-1.7E+07	7292045
654.7999	660446.2	-55.1924	19.85996	11593338	-1.7E+07	7288419
654.9999	660447.4	-55.1837	19.84967	11596619	-1.7E+07	7284793
655.1999	660448.6	-55.175	19.83938	11599900	-1.7E+07	7281166
655.3999	660449.9	-55.1663	19.82909	11603180	-1.7E+07	7277539
655.5999	660451.1	-55.1576	19.8188	11606460	-1.7E+07	7273911
655.7999	660452.4	-55.1489	19.80851	11609739	-1.7E+07	7270283
655.9999	660453.7	-55.1402	19.79821	11613017	-1.7E+07	7266655
656.1999	660454.9	-55.1315	19.78792	11616294	-1.7E+07	7263026
656.3999	660456.2	-55.1228	19.77763	11619571	-1.7E+07	7259397
656.5999	660457.5	-55.1141	19.76733	11622848	-1.7E+07	7255767
656.7999	660458.9	-55.1054	19.75704	11626123	-1.7E+07	7252137
656.9999	660460.2	-55.0967	19.74674	11629399	-1.7E+07	7248506
657.1999	660461.5	-55.088	19.73645	11632673	-1.7E+07	7244876
657.3999	660462.9	-55.0794	19.72615	11635947	-1.7E+07	7241244
657.5999	660464.3	-55.0707	19.71585	11639220	-1.7E+07	7237613
657.7999	660465.6	-55.062	19.70556	11642493	-1.7E+07	7233980
657.9999	660467	-55.0533	19.69526	11645765	-1.7E+07	7230348
658.1999	660468.4	-55.0446	19.68496	11649036	-1.7E+07	7226715
658.3999	660469.8	-55.0359	19.67466	11652307	-1.7E+07	7223082
658.5999	660471.3	-55.0272	19.66436	11655577	-1.7E+07	7219448
658.7999	660472.7	-55.0186	19.65406	11658846	-1.7E+07	7215814
658.9999	660474.2	-55.0099	19.64376	11662115	-1.7E+07	7212179
659.1999	660475.6	-55.0012	19.63346	11665383	-1.7E+07	7208544
659.3999	660477.1	-54.9925	19.62316	11668651	-1.7E+07	7204909
659.5999	660478.6	-54.9839	19.61286	11671918	-1.7E+07	7201273

659.7999	660480.1	-54.9752	19.60255	11675184	-1.7E+07	7197637
659.9999	660481.6	-54.9665	19.59225	11678450	-1.7E+07	7194001
660.1999	660483.1	-54.9578	19.58195	11681715	-1.7E+07	7190364
660.3999	660484.6	-54.9492	19.57164	11684979	-1.7E+07	7186726
660.5999	660486.2	-54.9405	19.56134	11688243	-1.7E+07	7183089
660.7999	660487.7	-54.9318	19.55103	11691506	-1.7E+07	7179450
660.9999	660489.3	-54.9232	19.54073	11694769	-1.7E+07	7175812
661.1999	660490.8	-54.9145	19.53042	11698030	-1.7E+07	7172173
661.3999	660492.4	-54.9058	19.52011	11701292	-1.7E+07	7168534
661.5999	660494	-54.8972	19.50981	11704552	-1.7E+07	7164894
661.7999	660495.6	-54.8885	19.4995	11707812	-1.7E+07	7161254
661.9999	660497.3	-54.8798	19.48919	11711072	-1.7E+07	7157613
662.1999	660498.9	-54.8712	19.47888	11714330	-1.7E+07	7153972
662.3999	660500.5	-54.8625	19.46857	11717588	-1.7E+07	7150331
662.5999	660502.2	-54.8539	19.45826	11720846	-1.7E+07	7146689
662.7999	660503.9	-54.8452	19.44795	11724103	-1.7E+07	7143047
662.9999	660505.5	-54.8366	19.43764	11727359	-1.7E+07	7139404
663.1999	660507.2	-54.8279	19.42733	11730614	-1.7E+07	7135761
663.3999	660508.9	-54.8193	19.41702	11733869	-1.7E+07	7132118
663.5999	660510.6	-54.8106	19.40671	11737124	-1.7E+07	7128474
663.7999	660512.4	-54.802	19.3964	11740377	-1.7E+07	7124830
663.9999	660514.1	-54.7933	19.38608	11743630	-1.7E+07	7121185
664.1999	660515.8	-54.7847	19.37577	11746883	-1.7E+07	7117540
664.3999	660517.6	-54.776	19.36546	11750134	-1.7E+07	7113895
664.5999	660519.4	-54.7674	19.35514	11753386	-1.7E+07	7110249
664.7999	660521.2	-54.7587	19.34483	11756636	-1.7E+07	7106603
664.9999	660523	-54.7501	19.33451	11759886	-1.7E+07	7102956
665.1999	660524.8	-54.7414	19.3242	11763135	-1.7E+07	7099309
665.3999	660526.6	-54.7328	19.31388	11766384	-1.7E+07	7095662
665.5999	660528.4	-54.7242	19.30356	11769632	-1.7E+07	7092014
665.7999	660530.3	-54.7155	19.29324	11772879	-1.7E+07	7088366
665.9999	660532.1	-54.7069	19.28293	11776125	-1.7E+07	7084718
666.1999	660534	-54.6982	19.27261	11779372	-1.7E+07	7081069
666.3999	660535.8	-54.6896	19.26229	11782617	-1.7E+07	7077419
666.5999	660537.7	-54.681	19.25197	11785862	-1.7E+07	7073769
666.7999	660539.6	-54.6723	19.24165	11789106	-1.7E+07	7070119
666.9999	660541.5	-54.6637	19.23133	11792349	-1.7E+07	7066469
667.1999	660543.5	-54.6551	19.22101	11795592	-1.7E+07	7062818
667.3999	660545.4	-54.6465	19.21069	11798834	-1.7E+07	7059167
667.5999	660547.4	-54.6378	19.20036	11802076	-1.7E+07	7055515
667.7999	660549.3	-54.6292	19.19004	11805317	-1.7E+07	7051863
667.9999	660551.3	-54.6206	19.17972	11808557	-1.7E+07	7048210
668.1999	660553.3	-54.6119	19.1694	11811797	-1.7E+07	7044557
668.3999	660555.3	-54.6033	19.15907	11815036	-1.7E+07	7040904
668.5999	660557.3	-54.5947	19.14875	11818274	-1.7E+07	7037250
668.7999	660559.3	-54.5861	19.13842	11821512	-1.7E+07	7033596
668.9999	660561.3	-54.5775	19.1281	11824749	-1.7E+07	7029942

669.1999	660563.4	-54.5688	19.11777	11827986	-1.7E+07	7026287
669.3999	660565.4	-54.5602	19.10744	11831221	-1.7E+07	7022631
669.5999	660567.5	-54.5516	19.09712	11834457	-1.7E+07	7018976
669.7999	660569.5	-54.543	19.08679	11837691	-1.7E+07	7015320
669.9999	660571.6	-54.5344	19.07646	11840925	-1.7E+07	7011663
670.1999	660573.7	-54.5258	19.06613	11844158	-1.7E+07	7008006
670.3999	660575.8	-54.5172	19.05581	11847391	-1.7E+07	7004349
670.5999	660578	-54.5086	19.04548	11850623	-1.7E+07	7000691
670.7999	660580.1	-54.4999	19.03515	11853854	-1.7E+07	6997033
670.9999	660582.2	-54.4913	19.02482	11857085	-1.7E+07	6993375
671.1999	660584.4	-54.4827	19.01449	11860315	-1.7E+07	6989716
671.3999	660586.6	-54.4741	19.00415	11863545	-1.7E+07	6986057
671.5999	660588.8	-54.4655	18.99382	11866774	-1.7E+07	6982397
671.7999	660591	-54.4569	18.98349	11870002	-1.7E+07	6978737
671.9999	660593.2	-54.4483	18.97316	11873229	-1.7E+07	6975077
672.1999	660595.4	-54.4397	18.96282	11876456	-1.7E+07	6971416
672.3999	660597.6	-54.4311	18.95249	11879682	-1.7E+07	6967755
672.5999	660599.8	-54.4225	18.94216	11882908	-1.7E+07	6964093
672.7999	660602.1	-54.4139	18.93182	11886133	-1.7E+07	6960431
672.9999	660604.4	-54.4053	18.92149	11889357	-1.7E+07	6956769
673.1999	660606.6	-54.3967	18.91115	11892581	-1.7E+07	6953106
673.3999	660608.9	-54.3881	18.90082	11895804	-1.7E+07	6949443
673.5999	660611.2	-54.3795	18.89048	11899026	-1.7E+07	6945780
673.7999	660613.5	-54.3709	18.88014	11902248	-1.7E+07	6942116
673.9999	660615.9	-54.3624	18.8698	11905469	-1.7E+07	6938452
674.1999	660618.2	-54.3538	18.85947	11908690	-1.7E+07	6934787
674.3999	660620.5	-54.3452	18.84913	11911910	-1.7E+07	6931122
674.5999	660622.9	-54.3366	18.83879	11915129	-1.7E+07	6927456
674.7999	660625.3	-54.328	18.82845	11918347	-1.7E+07	6923790
674.9999	660627.6	-54.3194	18.81811	11921565	-1.7E+07	6920124
675.1999	660630	-54.3108	18.80777	11924783	-1.7E+07	6916458
675.3999	660632.4	-54.3023	18.79743	11927999	-1.7E+07	6912791
675.5999	660634.9	-54.2937	18.78709	11931215	-1.7E+07	6909123
675.7999	660637.3	-54.2851	18.77675	11934431	-1.7E+07	6905455
675.9999	660639.7	-54.2765	18.7664	11937645	-1.7E+07	6901787
676.1999	660642.2	-54.2679	18.75606	11940859	-1.7E+07	6898119
676.3999	660644.6	-54.2594	18.74572	11944073	-1.7E+07	6894450
676.5999	660647.1	-54.2508	18.73537	11947285	-1.7E+07	6890780
676.7999	660649.6	-54.2422	18.72503	11950498	-1.7E+07	6887111
676.9999	660652.1	-54.2336	18.71469	11953709	-1.7E+07	6883441
677.1999	660654.6	-54.2251	18.70434	11956920	-1.7E+07	6879770
677.3999	660657.1	-54.2165	18.69399	11960130	-1.7E+07	6876099
677.5999	660659.7	-54.2079	18.68365	11963340	-1.7E+07	6872428
677.7999	660662.2	-54.1994	18.6733	11966548	-1.7E+07	6868756
677.9999	660664.8	-54.1908	18.66296	11969757	-1.7E+07	6865084
678.1999	660667.3	-54.1822	18.65261	11972964	-1.7E+07	6861412
678.3999	660669.9	-54.1737	18.64226	11976171	-1.7E+07	6857739

678.5999	660672.5	-54.1651	18.63191	11979378	-1.7E+07	6854066
678.7999	660675.1	-54.1565	18.62156	11982583	-1.7E+07	6850392
678.9999	660677.7	-54.148	18.61121	11985788	-1.7E+07	6846718
679.1999	660680.4	-54.1394	18.60086	11988993	-1.7E+07	6843044
679.3999	660683	-54.1309	18.59051	11992196	-1.7E+07	6839369
679.5999	660685.6	-54.1223	18.58016	11995400	-1.7E+07	6835694
679.7999	660688.3	-54.1137	18.56981	11998602	-1.7E+07	6832019
679.9999	660691	-54.1052	18.55946	12001804	-1.7E+07	6828343
680.1999	660693.7	-54.0966	18.54911	12005005	-1.7E+07	6824666
680.3999	660696.4	-54.0881	18.53875	12008205	-1.7E+07	6820990
680.5999	660699.1	-54.0795	18.5284	12011405	-1.7E+07	6817313
680.7999	660701.8	-54.071	18.51805	12014604	-1.7E+07	6813635
680.9999	660704.5	-54.0624	18.50769	12017803	-1.7E+07	6809958
681.1999	660707.3	-54.0539	18.49734	12021001	-1.7E+07	6806279
681.3999	660710	-54.0453	18.48698	12024198	-1.7E+07	6802601
681.5999	660712.8	-54.0368	18.47663	12027395	-1.7E+07	6798922
681.7999	660715.6	-54.0282	18.46627	12030591	-1.7E+07	6795243
681.9999	660718.4	-54.0197	18.45592	12033786	-1.7E+07	6791563
682.1999	660721.2	-54.0111	18.44556	12036981	-1.7E+07	6787883
682.3999	660724	-54.0026	18.4352	12040175	-1.7E+07	6784202
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682.7999	660729.6	-53.9855	18.41449	12046561	-1.7E+07	6776840
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683.1999	660735.3	-53.9684	18.39377	12052944	-1.7E+07	6769477
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683.5999	660741.1	-53.9514	18.37305	12059325	-1.7E+07	6762112
683.7999	660744	-53.9428	18.36269	12062515	-1.7E+07	6758428
683.9999	660746.9	-53.9343	18.35233	12065704	-1.7E+07	6754745
684.1999	660749.8	-53.9258	18.34197	12068892	-1.7E+07	6751061
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684.7999	660758.7	-53.9002	18.31088	12078452	-1.7E+07	6740007
684.9999	660761.6	-53.8916	18.30052	12081638	-1.7E+07	6736322
685.1999	660764.6	-53.8831	18.29015	12084823	-1.7E+07	6732636
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685.7999	660773.6	-53.8575	18.25906	12094374	-1.7E+07	6721576
685.9999	660776.6	-53.849	18.24869	12097556	-1.7E+07	6717889
686.1999	660779.7	-53.8405	18.23833	12100738	-1.7E+07	6714202
686.3999	660782.7	-53.832	18.22796	12103919	-1.7E+07	6710513
686.5999	660785.8	-53.8235	18.21759	12107099	-1.7E+07	6706825
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686.9999	660792	-53.8064	18.19686	12113458	-1.7E+07	6699447
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687.5999	660801.3	-53.7809	18.16575	12122991	-1.7E+07	6688377
687.7999	660804.4	-53.7724	18.15538	12126168	-1.7E+07	6684687

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688.1999	660810.7	-53.7554	18.13464	12132519	-1.7E+07	6677304
688.3999	660813.9	-53.7468	18.12427	12135693	-1.7E+07	6673612
688.5999	660817.1	-53.7383	18.1139	12138867	-1.7E+07	6669920
688.7999	660820.3	-53.7298	18.10352	12142040	-1.7E+07	6666228
688.9999	660823.5	-53.7213	18.09315	12145213	-1.7E+07	6662535
689.1999	660826.7	-53.7128	18.08278	12148385	-1.7E+07	6658842
689.3999	660829.9	-53.7043	18.07241	12151556	-1.7E+07	6655148
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689.7999	660836.4	-53.6873	18.05166	12157897	-1.7E+07	6647760
689.9999	660839.7	-53.6788	18.04128	12161066	-1.7E+07	6644065
690.1999	660842.9	-53.6703	18.03091	12164234	-1.7E+07	6640370
690.3999	660846.2	-53.6618	18.02053	12167402	-1.7E+07	6636674
690.5999	660849.5	-53.6533	18.01016	12170570	-1.7E+07	6632978
690.7999	660852.8	-53.6448	17.99978	12173736	-1.7E+07	6629282
690.9999	660856.1	-53.6363	17.9894	12176902	-1.7E+07	6625585
691.1999	660859.5	-53.6278	17.97902	12180068	-1.7E+07	6621888
691.3999	660862.8	-53.6193	17.96865	12183232	-1.7E+07	6618191
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691.7999	660869.6	-53.6024	17.94789	12189560	-1.7E+07	6610795
691.9999	660872.9	-53.5939	17.93751	12192723	-1.7E+07	6607097
692.1999	660876.3	-53.5854	17.92713	12195885	-1.7E+07	6603398
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692.7999	660886.6	-53.5599	17.89599	12205367	-1.7E+07	6592299
692.9999	660890	-53.5514	17.88561	12208526	-1.7E+07	6588598
693.1999	660893.5	-53.543	17.87523	12211685	-1.7E+07	6584898
693.3999	660896.9	-53.5345	17.86484	12214843	-1.7E+07	6581197
693.5999	660900.4	-53.526	17.85446	12218001	-1.7E+07	6577495
693.7999	660903.9	-53.5175	17.84408	12221158	-1.7E+07	6573793
693.9999	660907.4	-53.509	17.83369	12224314	-1.7E+07	6570091
694.1999	660910.9	-53.5006	17.82331	12227469	-1.7E+07	6566389
694.3999	660914.4	-53.4921	17.81292	12230624	-1.7E+07	6562686
694.5999	660918	-53.4836	17.80254	12233778	-1.7E+07	6558982
694.7999	660921.5	-53.4751	17.79215	12236932	-1.7E+07	6555279
694.9999	660925.1	-53.4667	17.78177	12240085	-1.7E+07	6551575
695.1999	660928.6	-53.4582	17.77138	12243237	-1.7E+07	6547870
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695.7999	660939.4	-53.4328	17.74022	12252690	-1.7E+07	6536755
695.9999	660943	-53.4243	17.72983	12255839	-1.7E+07	6533049
696.1999	660946.7	-53.4158	17.71944	12258988	-1.7E+07	6529343
696.3999	660950.3	-53.4074	17.70905	12262136	-1.7E+07	6525636
696.5999	660954	-53.3989	17.69866	12265284	-1.7E+07	6521929
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696.9999	660961.3	-53.382	17.67788	12271577	-1.7E+07	6514514
697.1999	660965	-53.3735	17.66749	12274723	-1.7E+07	6510806

697.3999	660968.7	-53.3651	17.6571	12277868	-1.7E+07	6507098
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697.9999	660979.9	-53.3397	17.62593	12287299	-1.7E+07	6495970
698.1999	660983.6	-53.3312	17.61553	12290441	-1.7E+07	6492260
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698.5999	660991.1	-53.3143	17.59475	12296724	-1.7E+07	6484840
698.7999	660994.9	-53.3059	17.58435	12299864	-1.7E+07	6481129
698.9999	660998.7	-53.2974	17.57396	12303004	-1.7E+07	6477417
699.1999	661002.5	-53.289	17.56356	12306143	-1.7E+07	6473706
699.3999	661006.3	-53.2805	17.55317	12309281	-1.7E+07	6469994
699.5999	661010.2	-53.2721	17.54277	12312419	-1.7E+07	6466281
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700.1999	661021.7	-53.2467	17.51158	12321828	-1.6E+07	6455142
700.3999	661025.6	-53.2383	17.50118	12324963	-1.6E+07	6451428
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700.7999	661033.4	-53.2214	17.48038	12331231	-1.6E+07	6443999
700.9999	661037.3	-53.213	17.46998	12334364	-1.6E+07	6440284
701.1999	661041.2	-53.2045	17.45959	12337497	-1.6E+07	6436569
701.3999	661045.2	-53.1961	17.44919	12340628	-1.6E+07	6432853
701.5999	661049.1	-53.1876	17.43878	12343759	-1.6E+07	6429137
701.7999	661053.1	-53.1792	17.42838	12346890	-1.6E+07	6425420
701.9999	661057.1	-53.1708	17.41798	12350020	-1.6E+07	6421704
702.1999	661061	-53.1623	17.40758	12353149	-1.6E+07	6417987
702.3999	661065	-53.1539	17.39718	12356277	-1.6E+07	6414269
702.5999	661069	-53.1455	17.38678	12359405	-1.6E+07	6410551
702.7999	661073.1	-53.137	17.37637	12362532	-1.6E+07	6406833
702.9999	661077.1	-53.1286	17.36597	12365658	-1.6E+07	6403114
703.1999	661081.1	-53.1202	17.35557	12368784	-1.6E+07	6399396
703.3999	661085.2	-53.1117	17.34516	12371909	-1.6E+07	6395676
703.5999	661089.3	-53.1033	17.33476	12375034	-1.6E+07	6391957
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703.9999	661097.4	-53.0865	17.31395	12381280	-1.6E+07	6384516
704.1999	661101.5	-53.078	17.30354	12384403	-1.6E+07	6380796
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704.5999	661109.8	-53.0612	17.28273	12390646	-1.6E+07	6373353
704.7999	661113.9	-53.0528	17.27232	12393766	-1.6E+07	6369631
704.9999	661118.1	-53.0444	17.26191	12396886	-1.6E+07	6365909
705.1999	661122.2	-53.0359	17.2515	12400005	-1.6E+07	6362187
705.3999	661126.4	-53.0275	17.2411	12403124	-1.6E+07	6358464
705.5999	661130.6	-53.0191	17.23069	12406241	-1.6E+07	6354741
705.7999	661134.8	-53.0107	17.22028	12409358	-1.6E+07	6351017
705.9999	661139	-53.0023	17.20987	12412475	-1.6E+07	6347293
706.1999	661143.2	-52.9939	17.19946	12415591	-1.6E+07	6343569
706.3999	661147.5	-52.9854	17.18905	12418706	-1.6E+07	6339844
706.5999	661151.7	-52.977	17.17864	12421820	-1.6E+07	6336119

706.7999	661156	-52.9686	17.16822	12424934	-1.6E+07	6332394
706.9999	661160.2	-52.9602	17.15781	12428047	-1.6E+07	6328668
707.1999	661164.5	-52.9518	17.1474	12431160	-1.6E+07	6324942
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707.7999	661177.4	-52.9266	17.11616	12440493	-1.6E+07	6313762
707.9999	661181.8	-52.9182	17.10575	12443603	-1.6E+07	6310034
708.1999	661186.1	-52.9098	17.09533	12446712	-1.6E+07	6306306
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708.7999	661199.2	-52.8846	17.06408	12456035	-1.6E+07	6295121
708.9999	661203.6	-52.8762	17.05367	12459142	-1.6E+07	6291391
709.1999	661208	-52.8678	17.04325	12462247	-1.6E+07	6287662
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709.9999	661225.7	-52.8342	17.00158	12474664	-1.6E+07	6272740
710.1999	661230.2	-52.8258	16.99116	12477766	-1.6E+07	6269009
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710.9999	661248.1	-52.7922	16.94948	12490169	-1.6E+07	6254080
711.1999	661252.6	-52.7838	16.93906	12493268	-1.6E+07	6250346
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711.7999	661266.3	-52.7587	16.9078	12502562	-1.6E+07	6239145
711.9999	661270.8	-52.7503	16.89738	12505658	-1.6E+07	6235410
712.1999	661275.4	-52.7419	16.88695	12508754	-1.6E+07	6231676
712.3999	661280	-52.7335	16.87653	12511849	-1.6E+07	6227940
712.5999	661284.6	-52.7251	16.86611	12514943	-1.6E+07	6224205
712.7999	661289.2	-52.7168	16.85568	12518037	-1.6E+07	6220469
712.9999	661293.8	-52.7084	16.84526	12521130	-1.6E+07	6216733
713.1999	661298.5	-52.7	16.83483	12524222	-1.6E+07	6212996
713.3999	661303.1	-52.6916	16.82441	12527314	-1.6E+07	6209259
713.5999	661307.8	-52.6833	16.81398	12530405	-1.6E+07	6205522
713.7999	661312.5	-52.6749	16.80355	12533495	-1.6E+07	6201784
713.9999	661317.1	-52.6665	16.79313	12536585	-1.6E+07	6198046
714.1999	661321.8	-52.6581	16.7827	12539674	-1.6E+07	6194308
714.3999	661326.6	-52.6498	16.77227	12542762	-1.6E+07	6190569
714.5999	661331.3	-52.6414	16.76185	12545850	-1.6E+07	6186830
714.7999	661336	-52.633	16.75142	12548937	-1.6E+07	6183091
714.9999	661340.8	-52.6246	16.74099	12552023	-1.6E+07	6179351
715.1999	661345.5	-52.6163	16.73056	12555109	-1.6E+07	6175611
715.3999	661350.3	-52.6079	16.72013	12558194	-1.6E+07	6171870
715.5999	661355.1	-52.5995	16.7097	12561278	-1.6E+07	6168129
715.7999	661359.9	-52.5912	16.69927	12564362	-1.6E+07	6164388
715.9999	661364.7	-52.5828	16.68884	12567445	-1.6E+07	6160647

716.1999	661369.5	-52.5745	16.67841	12570527	-1.6E+07	6156905
716.3999	661374.3	-52.5661	16.66798	12573609	-1.6E+07	6153163
716.5999	661379.1	-52.5577	16.65755	12576690	-1.6E+07	6149420
716.7999	661384	-52.5494	16.64711	12579770	-1.6E+07	6145677
716.9999	661388.9	-52.541	16.63668	12582849	-1.6E+07	6141934
717.1999	661393.7	-52.5327	16.62625	12585928	-1.6E+07	6138191
717.3999	661398.6	-52.5243	16.61581	12589007	-1.6E+07	6134447
717.5999	661403.5	-52.5159	16.60538	12592084	-1.6E+07	6130703
717.7999	661408.4	-52.5076	16.59495	12595161	-1.6E+07	6126958
717.9999	661413.4	-52.4992	16.58451	12598237	-1.6E+07	6123213
718.1999	661418.3	-52.4909	16.57408	12601313	-1.6E+07	6119468
718.3999	661423.2	-52.4825	16.56364	12604388	-1.6E+07	6115722
718.5999	661428.2	-52.4742	16.5532	12607462	-1.6E+07	6111976
718.7999	661433.2	-52.4658	16.54277	12610535	-1.6E+07	6108230
718.9999	661438.2	-52.4575	16.53233	12613608	-1.6E+07	6104483
719.1999	661443.1	-52.4491	16.52189	12616680	-1.6E+07	6100736
719.3999	661448.2	-52.4408	16.51146	12619752	-1.6E+07	6096989
719.5999	661453.2	-52.4324	16.50102	12622822	-1.6E+07	6093241
719.7999	661458.2	-52.4241	16.49058	12625893	-1.6E+07	6089493
719.9999	661463.2	-52.4157	16.48014	12628962	-1.6E+07	6085745
720.1999	661468.3	-52.4074	16.4697	12632031	-1.6E+07	6081996
720.3999	661473.4	-52.3991	16.45926	12635099	-1.6E+07	6078247
720.5999	661478.4	-52.3907	16.44882	12638166	-1.6E+07	6074498
720.7999	661483.5	-52.3824	16.43838	12641233	-1.6E+07	6070748
720.9999	661488.6	-52.374	16.42794	12644299	-1.6E+07	6066998
721.1999	661493.8	-52.3657	16.4175	12647364	-1.6E+07	6063248
721.3999	661498.9	-52.3574	16.40706	12650429	-1.6E+07	6059497
721.5999	661504	-52.349	16.39662	12653493	-1.6E+07	6055746
721.7999	661509.2	-52.3407	16.38617	12656557	-1.6E+07	6051995
721.9999	661514.3	-52.3324	16.37573	12659619	-1.6E+07	6048243
722.1999	661519.5	-52.324	16.36529	12662681	-1.6E+07	6044491
722.3999	661524.7	-52.3157	16.35484	12665742	-1.6E+07	6040738
722.5999	661529.9	-52.3074	16.3444	12668803	-1.6E+07	6036985
722.7999	661535.1	-52.299	16.33395	12671863	-1.6E+07	6033232
722.9999	661540.3	-52.2907	16.32351	12674922	-1.6E+07	6029479
723.1999	661545.5	-52.2824	16.31306	12677981	-1.6E+07	6025725
723.3999	661550.8	-52.274	16.30262	12681039	-1.6E+07	6021971
723.5999	661556	-52.2657	16.29217	12684096	-1.6E+07	6018217
723.7999	661561.3	-52.2574	16.28173	12687153	-1.6E+07	6014462
723.9999	661566.6	-52.2491	16.27128	12690209	-1.6E+07	6010707
724.1999	661571.9	-52.2407	16.26083	12693264	-1.6E+07	6006951
724.3999	661577.2	-52.2324	16.25039	12696318	-1.6E+07	6003195
724.5999	661582.5	-52.2241	16.23994	12699372	-1.6E+07	5999439
724.7999	661587.8	-52.2158	16.22949	12702425	-1.6E+07	5995683
724.9999	661593.2	-52.2075	16.21904	12705478	-1.6E+07	5991926
725.1999	661598.5	-52.1991	16.20859	12708530	-1.6E+07	5988169
725.3999	661603.9	-52.1908	16.19814	12711581	-1.6E+07	5984411

725.5999	661609.2	-52.1825	16.18769	12714631	-1.6E+07	5980653
725.7999	661614.6	-52.1742	16.17724	12717681	-1.6E+07	5976895
725.9999	661620	-52.1659	16.16679	12720730	-1.6E+07	5973137
726.1999	661625.4	-52.1576	16.15634	12723778	-1.6E+07	5969378
726.3999	661630.9	-52.1492	16.14589	12726826	-1.6E+07	5965619
726.5999	661636.3	-52.1409	16.13544	12729873	-1.6E+07	5961859
726.7999	661641.7	-52.1326	16.12498	12732919	-1.6E+07	5958099
726.9999	661647.2	-52.1243	16.11453	12735965	-1.6E+07	5954339
727.1999	661652.7	-52.116	16.10408	12739010	-1.6E+07	5950579
727.3999	661658.2	-52.1077	16.09362	12742054	-1.6E+07	5946818
727.5999	661663.6	-52.0994	16.08317	12745098	-1.6E+07	5943057
727.7999	661669.2	-52.0911	16.07272	12748141	-1.6E+07	5939295
727.9999	661674.7	-52.0828	16.06226	12751183	-1.6E+07	5935533
728.1999	661680.2	-52.0745	16.05181	12754225	-1.6E+07	5931771
728.3999	661685.7	-52.0662	16.04135	12757266	-1.6E+07	5928009
728.5999	661691.3	-52.0579	16.0309	12760306	-1.6E+07	5924246
728.7999	661696.9	-52.0496	16.02044	12763345	-1.6E+07	5920483
728.9999	661702.4	-52.0413	16.00998	12766384	-1.6E+07	5916719
729.1999	661708	-52.033	15.99953	12769422	-1.6E+07	5912955
729.3999	661713.6	-52.0247	15.98907	12772460	-1.6E+07	5909191
729.5999	661719.2	-52.0164	15.97861	12775497	-1.6E+07	5905427
729.7999	661724.9	-52.0081	15.96815	12778533	-1.6E+07	5901662
729.9999	661730.5	-51.9998	15.95769	12781568	-1.6E+07	5897897
730.1999	661736.2	-51.9915	15.94723	12784603	-1.6E+07	5894131
730.3999	661741.8	-51.9832	15.93678	12787637	-1.6E+07	5890365
730.5999	661747.5	-51.9749	15.92632	12790670	-1.6E+07	5886599
730.7999	661753.2	-51.9666	15.91586	12793703	-1.6E+07	5882833
730.9999	661758.9	-51.9583	15.9054	12796735	-1.6E+07	5879066
731.1999	661764.6	-51.95	15.89493	12799766	-1.6E+07	5875299
731.3999	661770.3	-51.9417	15.88447	12802797	-1.6E+07	5871531
731.5999	661776	-51.9334	15.87401	12805827	-1.6E+07	5867764
731.7999	661781.8	-51.9251	15.86355	12808856	-1.6E+07	5863995
731.9999	661787.5	-51.9169	15.85309	12811885	-1.6E+07	5860227
732.1999	661793.3	-51.9086	15.84262	12814912	-1.6E+07	5856458
732.3999	661799.1	-51.9003	15.83216	12817940	-1.6E+07	5852689
732.5999	661804.9	-51.892	15.8217	12820966	-1.6E+07	5848920
732.7999	661810.7	-51.8837	15.81123	12823992	-1.6E+07	5845150
732.9999	661816.5	-51.8754	15.80077	12827017	-1.6E+07	5841380
733.1999	661822.3	-51.8672	15.7903	12830042	-1.6E+07	5837609
733.3999	661828.2	-51.8589	15.77984	12833065	-1.6E+07	5833839
733.5999	661834	-51.8506	15.76937	12836088	-1.6E+07	5830067
733.7999	661839.9	-51.8423	15.75891	12839111	-1.6E+07	5826296
733.9999	661845.8	-51.834	15.74844	12842133	-1.6E+07	5822524
734.1999	661851.6	-51.8258	15.73798	12845154	-1.6E+07	5818752
734.3999	661857.5	-51.8175	15.72751	12848174	-1.6E+07	5814980
734.5999	661863.5	-51.8092	15.71704	12851194	-1.6E+07	5811207
734.7999	661869.4	-51.8009	15.70657	12854212	-1.6E+07	5807434

734.9999	661875.3	-51.7927	15.69611	12857231	-1.6E+07	5803661
735.1999	661881.3	-51.7844	15.68564	12860248	-1.6E+07	5799887
735.3999	661887.2	-51.7761	15.67517	12863265	-1.6E+07	5796113
735.5999	661893.2	-51.7679	15.6647	12866281	-1.6E+07	5792339
735.7999	661899.2	-51.7596	15.65423	12869297	-1.6E+07	5788564
735.9999	661905.2	-51.7513	15.64376	12872312	-1.6E+07	5784789
736.1999	661911.2	-51.7431	15.63329	12875326	-1.6E+07	5781014
736.3999	661917.2	-51.7348	15.62282	12878339	-1.6E+07	5777238
736.5999	661923.2	-51.7265	15.61235	12881352	-1.6E+07	5773462
736.7999	661929.3	-51.7183	15.60188	12884364	-1.6E+07	5769686
736.9999	661935.3	-51.71	15.5914	12887376	-1.6E+07	5765909
737.1999	661941.4	-51.7017	15.58093	12890386	-1.6E+07	5762132
737.3999	661947.5	-51.6935	15.57046	12893396	-1.6E+07	5758355
737.5999	661953.6	-51.6852	15.55999	12896406	-1.6E+07	5754577
737.7999	661959.7	-51.677	15.54951	12899414	-1.6E+07	5750799
737.9999	661965.8	-51.6687	15.53904	12902422	-1.6E+07	5747021
738.1999	661971.9	-51.6604	15.52857	12905429	-1.6E+07	5743243
738.3999	661978.1	-51.6522	15.51809	12908436	-1.6E+07	5739464
738.5999	661984.2	-51.6439	15.50762	12911442	-1.6E+07	5735685
738.7999	661990.4	-51.6357	15.49714	12914447	-1.6E+07	5731905
738.9999	661996.5	-51.6274	15.48666	12917452	-1.6E+07	5728125
739.1999	662002.7	-51.6192	15.47619	12920455	-1.6E+07	5724345
739.3999	662008.9	-51.6109	15.46571	12923458	-1.6E+07	5720565
739.5999	662015.1	-51.6027	15.45524	12926461	-1.6E+07	5716784
739.7999	662021.4	-51.5944	15.44476	12929463	-1.6E+07	5713003
739.9999	662027.6	-51.5862	15.43428	12932464	-1.6E+07	5709221
740.1999	662033.8	-51.5779	15.4238	12935464	-1.6E+07	5705439
740.3999	662040.1	-51.5697	15.41333	12938464	-1.6E+07	5701657
740.5999	662046.4	-51.5614	15.40285	12941463	-1.6E+07	5697875
740.7999	662052.7	-51.5532	15.39237	12944461	-1.6E+07	5694092
740.9999	662058.9	-51.5449	15.38189	12947458	-1.6E+07	5690309
741.1999	662065.3	-51.5367	15.37141	12950455	-1.6E+07	5686526
741.3999	662071.6	-51.5284	15.36093	12953451	-1.6E+07	5682742
741.5999	662077.9	-51.5202	15.35045	12956447	-1.6E+07	5678958
741.7999	662084.2	-51.512	15.33997	12959442	-1.6E+07	5675174
741.9999	662090.6	-51.5037	15.32949	12962436	-1.6E+07	5671389
742.1999	662097	-51.4955	15.319	12965429	-1.6E+07	5667604
742.3999	662103.3	-51.4872	15.30852	12968422	-1.6E+07	5663819
742.5999	662109.7	-51.479	15.29804	12971414	-1.6E+07	5660033
742.7999	662116.1	-51.4708	15.28756	12974405	-1.6E+07	5656247
742.9999	662122.5	-51.4625	15.27708	12977396	-1.6E+07	5652461
743.1999	662129	-51.4543	15.26659	12980386	-1.6E+07	5648675
743.3999	662135.4	-51.4461	15.25611	12983375	-1.6E+07	5644888
743.5999	662141.9	-51.4378	15.24562	12986364	-1.6E+07	5641101
743.7999	662148.3	-51.4296	15.23514	12989352	-1.6E+07	5637313
743.9999	662154.8	-51.4214	15.22465	12992339	-1.6E+07	5633525
744.1999	662161.3	-51.4131	15.21417	12995325	-1.6E+07	5629737

744.3999	662167.8	-51.4049	15.20368	12998311	-1.6E+07	5625949
744.5999	662174.3	-51.3967	15.1932	13001296	-1.6E+07	5622160
744.7999	662180.8	-51.3885	15.18271	13004281	-1.6E+07	5618371
744.9999	662187.3	-51.3802	15.17223	13007264	-1.6E+07	5614581
745.1999	662193.9	-51.372	15.16174	13010247	-1.6E+07	5610792
745.3999	662200.5	-51.3638	15.15125	13013230	-1.6E+07	5607002
745.5999	662207	-51.3556	15.14076	13016211	-1.6E+07	5603211
745.7999	662213.6	-51.3473	15.13028	13019192	-1.6E+07	5599421
745.9999	662220.2	-51.3391	15.11979	13022172	-1.6E+07	5595630
746.1999	662226.8	-51.3309	15.1093	13025152	-1.6E+07	5591839
746.3999	662233.4	-51.3227	15.09881	13028131	-1.6E+07	5588047
746.5999	662240.1	-51.3144	15.08832	13031109	-1.6E+07	5584255
746.7999	662246.7	-51.3062	15.07783	13034086	-1.6E+07	5580463
746.9999	662253.3	-51.298	15.06734	13037063	-1.6E+07	5576670
747.1999	662260	-51.2898	15.05685	13040039	-1.6E+07	5572877
747.3999	662266.7	-51.2816	15.04636	13043014	-1.6E+07	5569084
747.5999	662273.4	-51.2734	15.03587	13045989	-1.6E+07	5565291
747.7999	662280.1	-51.2651	15.02537	13048963	-1.6E+07	5561497
747.9999	662286.8	-51.2569	15.01488	13051936	-1.6E+07	5557703
748.1999	662293.5	-51.2487	15.00439	13054909	-1.6E+07	5553909
748.3999	662300.3	-51.2405	14.9939	13057881	-1.6E+07	5550114
748.5999	662307	-51.2323	14.9834	13060852	-1.6E+07	5546319
748.7999	662313.8	-51.2241	14.97291	13063822	-1.6E+07	5542523
748.9999	662320.5	-51.2159	14.96242	13066792	-1.6E+07	5538728
749.1999	662327.3	-51.2077	14.95192	13069761	-1.6E+07	5534932
749.3999	662334.1	-51.1995	14.94143	13072730	-1.6E+07	5531136
749.5999	662340.9	-51.1913	14.93093	13075697	-1.6E+07	5527339
749.7999	662347.8	-51.1831	14.92044	13078664	-1.6E+07	5523542
749.9999	662354.6	-51.1748	14.90994	13081631	-1.6E+07	5519745
750.1999	662361.4	-51.1666	14.89945	13084596	-1.6E+07	5515947
750.3999	662368.3	-51.1584	14.88895	13087561	-1.6E+07	5512150
750.5999	662375.2	-51.1502	14.87845	13090525	-1.6E+07	5508351
750.7999	662382	-51.142	14.86796	13093489	-1.6E+07	5504553
750.9999	662388.9	-51.1338	14.85746	13096452	-1.6E+07	5500754
751.1999	662395.8	-51.1256	14.84696	13099414	-1.6E+07	5496955
751.3999	662402.8	-51.1174	14.83646	13102375	-1.6E+07	5493156
751.5999	662409.7	-51.1092	14.82597	13105336	-1.6E+07	5489356
751.7999	662416.6	-51.101	14.81547	13108296	-1.6E+07	5485556
751.9999	662423.6	-51.0929	14.80497	13111255	-1.6E+07	5481756
752.1999	662430.5	-51.0847	14.79447	13114214	-1.6E+07	5477955
752.3999	662437.5	-51.0765	14.78397	13117172	-1.6E+07	5474154
752.5999	662444.5	-51.0683	14.77347	13120129	-1.6E+07	5470353
752.7999	662451.5	-51.0601	14.76297	13123085	-1.6E+07	5466552
752.9999	662458.5	-51.0519	14.75247	13126041	-1.6E+07	5462750
753.1999	662465.5	-51.0437	14.74197	13128996	-1.6E+07	5458948
753.3999	662472.6	-51.0355	14.73146	13131950	-1.6E+07	5455145
753.5999	662479.6	-51.0273	14.72096	13134904	-1.6E+07	5451342

753.7999	662486.7	-51.0191	14.71046	13137857	-1.6E+07	5447539
753.9999	662493.8	-51.0109	14.69996	13140809	-1.6E+07	5443736
754.1999	662500.9	-51.0028	14.68945	13143761	-1.6E+07	5439932
754.3999	662507.9	-50.9946	14.67895	13146712	-1.6E+07	5436128
754.5999	662515.1	-50.9864	14.66845	13149662	-1.6E+07	5432324
754.7999	662522.2	-50.9782	14.65794	13152612	-1.6E+07	5428520
754.9999	662529.3	-50.97	14.64744	13155560	-1.6E+07	5424715
755.1999	662536.5	-50.9618	14.63693	13158508	-1.6E+07	5420910
755.3999	662543.6	-50.9537	14.62643	13161456	-1.6E+07	5417104
755.5999	662550.8	-50.9455	14.61592	13164402	-1.6E+07	5413298
755.7999	662558	-50.9373	14.60542	13167348	-1.6E+07	5409492
755.9999	662565.2	-50.9291	14.59491	13170294	-1.6E+07	5405686
756.1999	662572.4	-50.9209	14.58441	13173238	-1.6E+07	5401879
756.3999	662579.6	-50.9128	14.5739	13176182	-1.6E+07	5398072
756.5999	662586.8	-50.9046	14.56339	13179125	-1.6E+07	5394265
756.7999	662594	-50.8964	14.55288	13182068	-1.6E+07	5390457
756.9999	662601.3	-50.8882	14.54238	13185009	-1.6E+07	5386649
757.1999	662608.6	-50.8801	14.53187	13187951	-1.6E+07	5382841
757.3999	662615.8	-50.8719	14.52136	13190891	-1.6E+07	5379032
757.5999	662623.1	-50.8637	14.51085	13193831	-1.6E+07	5375224
757.7999	662630.4	-50.8556	14.50034	13196769	-1.6E+07	5371414
757.9999	662637.7	-50.8474	14.48983	13199708	-1.6E+07	5367605
758.1999	662645.1	-50.8392	14.47932	13202645	-1.6E+07	5363795
758.3999	662652.4	-50.831	14.46881	13205582	-1.6E+07	5359985
758.5999	662659.7	-50.8229	14.4583	13208518	-1.6E+07	5356175
758.7999	662667.1	-50.8147	14.44779	13211454	-1.6E+07	5352364
758.9999	662674.5	-50.8066	14.43728	13214388	-1.6E+07	5348553
759.1999	662681.9	-50.7984	14.42677	13217322	-1.6E+07	5344742
759.3999	662689.3	-50.7902	14.41626	13220256	-1.6E+07	5340931
759.5999	662696.7	-50.7821	14.40574	13223188	-1.6E+07	5337119
759.7999	662704.1	-50.7739	14.39523	13226120	-1.6E+07	5333307
759.9999	662711.5	-50.7657	14.38472	13229051	-1.6E+07	5329494
760.1999	662719	-50.7576	14.3742	13231982	-1.6E+07	5325682
760.3999	662726.4	-50.7494	14.36369	13234912	-1.6E+07	5321869
760.5999	662733.9	-50.7413	14.35318	13237841	-1.6E+07	5318055
760.7999	662741.4	-50.7331	14.34266	13240769	-1.6E+07	5314242
760.9999	662748.9	-50.7249	14.33215	13243697	-1.6E+07	5310428
761.1999	662756.4	-50.7168	14.32163	13246624	-1.6E+07	5306613
761.3999	662763.9	-50.7086	14.31112	13249550	-1.6E+07	5302799
761.5999	662771.4	-50.7005	14.3006	13252475	-1.6E+07	5298984
761.7999	662779	-50.6923	14.29009	13255400	-1.6E+07	5295169
761.9999	662786.5	-50.6842	14.27957	13258324	-1.6E+07	5291354
762.1999	662794.1	-50.676	14.26905	13261248	-1.6E+07	5287538
762.3999	662801.7	-50.6679	14.25854	13264170	-1.6E+07	5283722
762.5999	662809.2	-50.6597	14.24802	13267092	-1.6E+07	5279906
762.7999	662816.8	-50.6516	14.2375	13270014	-1.6E+07	5276089
762.9999	662824.5	-50.6434	14.22698	13272934	-1.6E+07	5272272

763.1999	662832.1	-50.6353	14.21646	13275854	-1.6E+07	5268455
763.3999	662839.7	-50.6271	14.20595	13278773	-1.6E+07	5264637
763.5999	662847.4	-50.619	14.19543	13281692	-1.6E+07	5260820
763.7999	662855	-50.6108	14.18491	13284610	-1.6E+07	5257002
763.9999	662862.7	-50.6027	14.17439	13287527	-1.6E+07	5253183
764.1999	662870.4	-50.5945	14.16387	13290443	-1.6E+07	5249365
764.3999	662878.1	-50.5864	14.15335	13293359	-1.6E+07	5245546
764.5999	662885.8	-50.5783	14.14283	13296273	-1.6E+07	5241726
764.7999	662893.5	-50.5701	14.13231	13299188	-1.6E+07	5237907
764.9999	662901.2	-50.562	14.12178	13302101	-1.6E+07	5234087
765.1999	662909	-50.5538	14.11126	13305014	-1.6E+07	5230267
765.3999	662916.7	-50.5457	14.10074	13307926	-1.6E+07	5226446
765.5999	662924.5	-50.5376	14.09022	13310837	-1.6E+07	5222626
765.7999	662932.3	-50.5294	14.0797	13313748	-1.6E+07	5218805
765.9999	662940.1	-50.5213	14.06917	13316658	-1.6E+07	5214983
766.1999	662947.9	-50.5132	14.05865	13319567	-1.6E+07	5211162
766.3999	662955.7	-50.505	14.04813	13322476	-1.6E+07	5207340
766.5999	662963.5	-50.4969	14.0376	13325384	-1.6E+07	5203518
766.7999	662971.4	-50.4888	14.02708	13328291	-1.6E+07	5199695
766.9999	662979.2	-50.4806	14.01655	13331197	-1.6E+07	5195872
767.1999	662987.1	-50.4725	14.00603	13334103	-1.6E+07	5192049
767.3999	662995	-50.4644	13.9955	13337008	-1.6E+07	5188226
767.5999	663002.9	-50.4562	13.98498	13339912	-1.6E+07	5184402
767.7999	663010.8	-50.4481	13.97445	13342816	-1.6E+07	5180578
767.9999	663018.7	-50.44	13.96392	13345719	-1.6E+07	5176754
768.1999	663026.6	-50.4318	13.9534	13348621	-1.6E+07	5172930
768.3999	663034.5	-50.4237	13.94287	13351522	-1.6E+07	5169105
768.5999	663042.5	-50.4156	13.93234	13354423	-1.6E+07	5165280
768.7999	663050.4	-50.4075	13.92182	13357323	-1.6E+07	5161454
768.9999	663058.4	-50.3993	13.91129	13360222	-1.6E+07	5157629
769.1999	663066.4	-50.3912	13.90076	13363121	-1.6E+07	5153803
769.3999	663074.4	-50.3831	13.89023	13366019	-1.6E+07	5149977
769.5999	663082.4	-50.375	13.8797	13368916	-1.6E+07	5146150
769.7999	663090.4	-50.3669	13.86917	13371812	-1.6E+07	5142323
769.9999	663098.5	-50.3587	13.85864	13374708	-1.6E+07	5138496
770.1999	663106.5	-50.3506	13.84811	13377603	-1.6E+07	5134669
770.3999	663114.6	-50.3425	13.83758	13380497	-1.6E+07	5130841
770.5999	663122.6	-50.3344	13.82705	13383391	-1.6E+07	5127013
770.7999	663130.7	-50.3263	13.81652	13386284	-1.6E+07	5123185
770.9999	663138.8	-50.3182	13.80599	13389176	-1.6E+07	5119356
771.1999	663146.9	-50.31	13.79546	13392067	-1.6E+07	5115527
771.3999	663155	-50.3019	13.78493	13394958	-1.6E+07	5111698
771.5999	663163.2	-50.2938	13.7744	13397848	-1.6E+07	5107869
771.7999	663171.3	-50.2857	13.76386	13400737	-1.6E+07	5104039
771.9999	663179.5	-50.2776	13.75333	13403626	-1.6E+07	5100209
772.1999	663187.6	-50.2695	13.7428	13406514	-1.6E+07	5096379
772.3999	663195.8	-50.2614	13.73226	13409401	-1.6E+07	5092548

772.5999	663204	-50.2533	13.72173	13412288	-1.6E+07	5088717
772.7999	663212.2	-50.2451	13.7112	13415173	-1.6E+07	5084886
772.9999	663220.4	-50.237	13.70066	13418058	-1.6E+07	5081055
773.1999	663228.6	-50.2289	13.69013	13420943	-1.6E+07	5077223
773.3999	663236.9	-50.2208	13.67959	13423826	-1.6E+07	5073391
773.5999	663245.1	-50.2127	13.66906	13426709	-1.6E+07	5069559
773.7999	663253.4	-50.2046	13.65852	13429591	-1.6E+07	5065726
773.9999	663261.6	-50.1965	13.64798	13432473	-1.6E+07	5061894
774.1999	663269.9	-50.1884	13.63745	13435354	-1.6E+07	5058060
774.3999	663278.2	-50.1803	13.62691	13438234	-1.6E+07	5054227
774.5999	663286.5	-50.1722	13.61637	13441113	-1.6E+07	5050393
774.7999	663294.9	-50.1641	13.60584	13443992	-1.6E+07	5046559
774.9999	663303.2	-50.156	13.5953	13446869	-1.6E+07	5042725
775.1999	663311.5	-50.1479	13.58476	13449747	-1.6E+07	5038890
775.3999	663319.9	-50.1398	13.57422	13452623	-1.6E+07	5035056
775.5999	663328.3	-50.1317	13.56369	13455499	-1.6E+07	5031221
775.7999	663336.6	-50.1236	13.55315	13458374	-1.6E+07	5027385
775.9999	663345	-50.1155	13.54261	13461248	-1.6E+07	5023549
776.1999	663353.4	-50.1074	13.53207	13464122	-1.6E+07	5019714
776.3999	663361.9	-50.0993	13.52153	13466995	-1.6E+07	5015877
776.5999	663370.3	-50.0912	13.51099	13469867	-1.6E+07	5012041
776.7999	663378.7	-50.0831	13.50045	13472738	-1.6E+07	5008204
776.9999	663387.2	-50.0751	13.48991	13475609	-1.6E+07	5004367
777.1999	663395.7	-50.067	13.47937	13478479	-1.6E+07	5000530
777.3999	663404.1	-50.0589	13.46882	13481348	-1.6E+07	4996692
777.5999	663412.6	-50.0508	13.45828	13484217	-1.6E+07	4992854
777.7999	663421.1	-50.0427	13.44774	13487085	-1.6E+07	4989016
777.9999	663429.6	-50.0346	13.4372	13489952	-1.6E+07	4985177
778.1999	663438.2	-50.0265	13.42666	13492818	-1.6E+07	4981339
778.3999	663446.7	-50.0184	13.41611	13495684	-1.6E+07	4977499
778.5999	663455.3	-50.0103	13.40557	13498549	-1.6E+07	4973660
778.7999	663463.8	-50.0023	13.39503	13501413	-1.6E+07	4969821
778.9999	663472.4	-49.9942	13.38448	13504276	-1.6E+07	4965981
779.1999	663481	-49.9861	13.37394	13507139	-1.6E+07	4962141
779.3999	663489.6	-49.978	13.36339	13510001	-1.6E+07	4958300
779.5999	663498.2	-49.9699	13.35285	13512863	-1.6E+07	4954459
779.7999	663506.8	-49.9618	13.3423	13515723	-1.6E+07	4950618
779.9999	663515.4	-49.9538	13.33176	13518583	-1.6E+07	4946777
780.1999	663524.1	-49.9457	13.32121	13521443	-1.6E+07	4942936
780.3999	663532.7	-49.9376	13.31067	13524301	-1.6E+07	4939094
780.5999	663541.4	-49.9295	13.30012	13527159	-1.6E+07	4935252
780.7999	663550.1	-49.9215	13.28957	13530016	-1.6E+07	4931409
780.9999	663558.8	-49.9134	13.27903	13532872	-1.6E+07	4927567
781.1999	663567.5	-49.9053	13.26848	13535728	-1.6E+07	4923724
781.3999	663576.2	-49.8972	13.25793	13538583	-1.6E+07	4919880
781.5999	663584.9	-49.8892	13.24738	13541437	-1.6E+07	4916037
781.7999	663593.7	-49.8811	13.23684	13544290	-1.6E+07	4912193

781.9999	663602.4	-49.873	13.22629	13547143	-1.6E+07	4908349
782.1999	663611.2	-49.8649	13.21574	13549995	-1.6E+07	4904505
782.3999	663620	-49.8569	13.20519	13552847	-1.6E+07	4900660
782.5999	663628.8	-49.8488	13.19464	13555697	-1.6E+07	4896815
782.7999	663637.6	-49.8407	13.18409	13558547	-1.6E+07	4892970
782.9999	663646.4	-49.8327	13.17354	13561396	-1.6E+07	4889125
783.1999	663655.2	-49.8246	13.16299	13564245	-1.6E+07	4885279
783.3999	663664	-49.8165	13.15244	13567092	-1.6E+07	4881433
783.5999	663672.9	-49.8085	13.14189	13569939	-1.6E+07	4877587
783.7999	663681.8	-49.8004	13.13134	13572785	-1.6E+07	4873740
783.9999	663690.6	-49.7923	13.12079	13575631	-1.6E+07	4869894
784.1999	663699.5	-49.7843	13.11023	13578476	-1.6E+07	4866047
784.3999	663708.4	-49.7762	13.09968	13581320	-1.6E+07	4862199
784.5999	663717.3	-49.7681	13.08913	13584163	-1.6E+07	4858352
784.7999	663726.2	-49.7601	13.07858	13587006	-1.6E+07	4854504
784.9999	663735.2	-49.752	13.06802	13589848	-1.6E+07	4850656
785.1999	663744.1	-49.744	13.05747	13592689	-1.6E+07	4846807
785.3999	663753.1	-49.7359	13.04692	13595529	-1.6E+07	4842959
785.5999	663762	-49.7278	13.03636	13598369	-1.6E+07	4839110
785.7999	663771	-49.7198	13.02581	13601208	-1.6E+07	4835260
785.9999	663780	-49.7117	13.01525	13604046	-1.6E+07	4831411
786.1999	663789	-49.7037	13.0047	13606884	-1.6E+07	4827561
786.3999	663798	-49.6956	12.99414	13609721	-1.6E+07	4823711
786.5999	663807.1	-49.6876	12.98359	13612557	-1.6E+07	4819861
786.7999	663816.1	-49.6795	12.97303	13615392	-1.6E+07	4816010
786.9999	663825.2	-49.6715	12.96248	13618227	-1.6E+07	4812159
787.1999	663834.2	-49.6634	12.95192	13621061	-1.6E+07	4808308
787.3999	663843.3	-49.6554	12.94136	13623894	-1.6E+07	4804457
787.5999	663852.4	-49.6473	12.93081	13626727	-1.6E+07	4800605
787.7999	663861.5	-49.6392	12.92025	13629559	-1.6E+07	4796753
787.9999	663870.6	-49.6312	12.90969	13632390	-1.6E+07	4792901
788.1999	663879.7	-49.6232	12.89913	13635220	-1.6E+07	4789049
788.3999	663888.9	-49.6151	12.88858	13638050	-1.6E+07	4785196
788.5999	663898	-49.6071	12.87802	13640879	-1.6E+07	4781343
788.7999	663907.2	-49.599	12.86746	13643707	-1.6E+07	4777489
788.9999	663916.4	-49.591	12.8569	13646534	-1.6E+07	4773636
789.1999	663925.6	-49.5829	12.84634	13649361	-1.6E+07	4769782
789.3999	663934.8	-49.5749	12.83578	13652187	-1.6E+07	4765928
789.5999	663944	-49.5668	12.82522	13655012	-1.6E+07	4762074
789.7999	663953.2	-49.5588	12.81466	13657837	-1.6E+07	4758219
789.9999	663962.4	-49.5507	12.8041	13660660	-1.6E+07	4754364
790.1999	663971.7	-49.5427	12.79354	13663483	-1.6E+07	4750509
790.3999	663980.9	-49.5347	12.78298	13666306	-1.6E+07	4746654
790.5999	663990.2	-49.5266	12.77242	13669127	-1.6E+07	4742798
790.7999	663999.5	-49.5186	12.76186	13671948	-1.6E+07	4738942
790.9999	664008.8	-49.5105	12.75129	13674769	-1.6E+07	4735086
791.1999	664018.1	-49.5025	12.74073	13677588	-1.6E+07	4731229

791.3999	664027.4	-49.4945	12.73017	13680407	-1.6E+07	4727373
791.5999	664036.7	-49.4864	12.71961	13683225	-1.6E+07	4723516
791.7999	664046.1	-49.4784	12.70904	13686042	-1.6E+07	4719658
791.9999	664055.4	-49.4704	12.69848	13688859	-1.6E+07	4715801
792.1999	664064.8	-49.4623	12.68792	13691674	-1.6E+07	4711943
792.3999	664074.2	-49.4543	12.67735	13694489	-1.6E+07	4708085
792.5999	664083.6	-49.4463	12.66679	13697304	-1.6E+07	4704226
792.7999	664093	-49.4382	12.65622	13700117	-1.6E+07	4700368
792.9999	664102.4	-49.4302	12.64566	13702930	-1.6E+07	4696509
793.1999	664111.8	-49.4222	12.63509	13705742	-1.6E+07	4692650
793.3999	664121.2	-49.4141	12.62453	13708554	-1.6E+07	4688791
793.5999	664130.7	-49.4061	12.61396	13711365	-1.6E+07	4684931
793.7999	664140.2	-49.3981	12.6034	13714175	-1.6E+07	4681071
793.9999	664149.6	-49.3901	12.59283	13716984	-1.6E+07	4677211
794.1999	664159.1	-49.382	12.58226	13719792	-1.6E+07	4673350
794.3999	664168.6	-49.374	12.5717	13722600	-1.6E+07	4669490
794.5999	664178.1	-49.366	12.56113	13725407	-1.6E+07	4665629
794.7999	664187.7	-49.358	12.55056	13728214	-1.6E+07	4661767
794.9999	664197.2	-49.3499	12.53999	13731019	-1.6E+07	4657906
795.1999	664206.7	-49.3419	12.52943	13733824	-1.6E+07	4654044
795.3999	664216.3	-49.3339	12.51886	13736628	-1.6E+07	4650182
795.5999	664225.9	-49.3259	12.50829	13739432	-1.6E+07	4646320
795.7999	664235.5	-49.3179	12.49772	13742234	-1.6E+07	4642457
795.9999	664245	-49.3098	12.48715	13745036	-1.6E+07	4638595
796.1999	664254.7	-49.3018	12.47658	13747838	-1.6E+07	4634731
796.3999	664264.3	-49.2938	12.46601	13750638	-1.6E+07	4630868
796.5999	664273.9	-49.2858	12.45544	13753438	-1.6E+07	4627005
796.7999	664283.5	-49.2778	12.44487	13756237	-1.6E+07	4623141
796.9999	664293.2	-49.2697	12.4343	13759035	-1.6E+07	4619277
797.1999	664302.9	-49.2617	12.42373	13761833	-1.6E+07	4615412
797.3999	664312.6	-49.2537	12.41316	13764630	-1.6E+07	4611548
797.5999	664322.2	-49.2457	12.40259	13767426	-1.6E+07	4607683
797.7999	664331.9	-49.2377	12.39201	13770221	-1.6E+07	4603818
797.9999	664341.7	-49.2297	12.38144	13773016	-1.6E+07	4599952
798.1999	664351.4	-49.2217	12.37087	13775810	-1.6E+07	4596087
798.3999	664361.1	-49.2137	12.3603	13778603	-1.6E+07	4592221
798.5999	664370.9	-49.2056	12.34972	13781396	-1.6E+07	4588355
798.7999	664380.6	-49.1976	12.33915	13784187	-1.6E+07	4584488
798.9999	664390.4	-49.1896	12.32858	13786978	-1.6E+07	4580621
799.1999	664400.2	-49.1816	12.318	13789769	-1.6E+07	4576755
799.3999	664410	-49.1736	12.30743	13792558	-1.6E+07	4572887
799.5999	664419.8	-49.1656	12.29686	13795347	-1.6E+07	4569020
799.7999	664429.7	-49.1576	12.28628	13798135	-1.6E+07	4565152
799.9999	664439.5	-49.1496	12.27571	13800922	-1.6E+07	4561284
800.1999	664449.3	-49.1416	12.26513	13803709	-1.6E+07	4557416
800.3999	664459.2	-49.1336	12.25456	13806495	-1.6E+07	4553548
800.5999	664469.1	-49.1256	12.24398	13809280	-1.6E+07	4549679

800.7999	664479	-49.1176	12.2334	13812064	-1.6E+07	4545810
800.9999	664488.8	-49.1096	12.22283	13814848	-1.6E+07	4541941
801.1999	664498.8	-49.1016	12.21225	13817631	-1.6E+07	4538071
801.3999	664508.7	-49.0936	12.20167	13820413	-1.6E+07	4534201
801.5999	664518.6	-49.0856	12.1911	13823195	-1.6E+07	4530331
801.7999	664528.6	-49.0776	12.18052	13825975	-1.6E+07	4526461
801.9999	664538.5	-49.0696	12.16994	13828755	-1.6E+07	4522591
802.1999	664548.5	-49.0616	12.15936	13831535	-1.6E+07	4518720
802.3999	664558.5	-49.0536	12.14879	13834313	-1.6E+07	4514849
802.5999	664568.5	-49.0456	12.13821	13837091	-1.6E+07	4510978
802.7999	664578.5	-49.0376	12.12763	13839868	-1.6E+07	4507106
802.9999	664588.5	-49.0296	12.11705	13842644	-1.6E+07	4503234
803.1999	664598.5	-49.0216	12.10647	13845420	-1.6E+07	4499362
803.3999	664608.5	-49.0136	12.09589	13848195	-1.6E+07	4495490
803.5999	664618.6	-49.0056	12.08531	13850969	-1.6E+07	4491617
803.7999	664628.7	-48.9976	12.07473	13853742	-1.6E+07	4487745
803.9999	664638.7	-48.9896	12.06415	13856515	-1.6E+07	4483872
804.1999	664648.8	-48.9816	12.05357	13859287	-1.6E+07	4479998
804.3999	664658.9	-48.9736	12.04299	13862058	-1.6E+07	4476125
804.5999	664669	-48.9657	12.03241	13864829	-1.6E+07	4472251
804.7999	664679.2	-48.9577	12.02183	13867598	-1.6E+07	4468377
804.9999	664689.3	-48.9497	12.01124	13870367	-1.6E+07	4464503
805.1999	664699.5	-48.9417	12.00066	13873136	-1.6E+07	4460628
805.3999	664709.6	-48.9337	11.99008	13875903	-1.6E+07	4456753
805.5999	664719.8	-48.9257	11.9795	13878670	-1.6E+07	4452878
805.7999	664730	-48.9177	11.96891	13881436	-1.6E+07	4449003
805.9999	664740.2	-48.9098	11.95833	13884201	-1.6E+07	4445127
806.1999	664750.4	-48.9018	11.94775	13886966	-1.6E+07	4441251
806.3999	664760.6	-48.8938	11.93716	13889730	-1.6E+07	4437375
806.5999	664770.8	-48.8858	11.92658	13892493	-1.6E+07	4433499
806.7999	664781.1	-48.8778	11.916	13895255	-1.6E+07	4429623
806.9999	664791.3	-48.8698	11.90541	13898017	-1.6E+07	4425746
807.1999	664801.6	-48.8619	11.89483	13900778	-1.6E+07	4421869
807.3999	664811.9	-48.8539	11.88424	13903538	-1.6E+07	4417991
807.5999	664822.2	-48.8459	11.87366	13906297	-1.6E+07	4414114
807.7999	664832.5	-48.8379	11.86307	13909056	-1.6E+07	4410236
807.9999	664842.8	-48.8299	11.85248	13911814	-1.6E+07	4406358
808.1999	664853.1	-48.822	11.8419	13914571	-1.6E+07	4402480
808.3999	664863.5	-48.814	11.83131	13917327	-1.6E+07	4398601
808.5999	664873.8	-48.806	11.82073	13920083	-1.6E+07	4394723
808.7999	664884.2	-48.798	11.81014	13922838	-1.6E+07	4390844
808.9999	664894.6	-48.7901	11.79955	13925592	-1.6E+07	4386964
809.1999	664905	-48.7821	11.78896	13928346	-1.6E+07	4383085
809.3999	664915.4	-48.7741	11.77838	13931099	-1.6E+07	4379205
809.5999	664925.8	-48.7662	11.76779	13933851	-1.6E+07	4375325
809.7999	664936.2	-48.7582	11.7572	13936602	-1.6E+07	4371445
809.9999	664946.7	-48.7502	11.74661	13939352	-1.6E+07	4367564

810.1999	664957.1	-48.7422	11.73602	13942102	-1.6E+07	4363683
810.3999	664967.6	-48.7343	11.72543	13944851	-1.6E+07	4359802
810.5999	664978	-48.7263	11.71484	13947600	-1.6E+07	4355921
810.7999	664988.5	-48.7183	11.70425	13950347	-1.6E+07	4352040
810.9999	664999	-48.7104	11.69367	13953094	-1.6E+07	4348158
811.1999	665009.5	-48.7024	11.68307	13955840	-1.6E+07	4344276
811.3999	665020.1	-48.6944	11.67248	13958586	-1.6E+07	4340394
811.5999	665030.6	-48.6865	11.66189	13961330	-1.6E+07	4336511
811.7999	665041.1	-48.6785	11.6513	13964074	-1.6E+07	4332629
811.9999	665051.7	-48.6705	11.64071	13966817	-1.6E+07	4328746
812.1999	665062.3	-48.6626	11.63012	13969560	-1.6E+07	4324863
812.3999	665072.9	-48.6546	11.61953	13972301	-1.6E+07	4320979
812.5999	665083.4	-48.6467	11.60894	13975042	-1.6E+07	4317096
812.7999	665094.1	-48.6387	11.59834	13977782	-1.6E+07	4313212
812.9999	665104.7	-48.6307	11.58775	13980522	-1.6E+07	4309327
813.1999	665115.3	-48.6228	11.57716	13983261	-1.6E+07	4305443
813.3999	665125.9	-48.6148	11.56657	13985998	-1.6E+07	4301558
813.5999	665136.6	-48.6069	11.55597	13988736	-1.6E+07	4297674
813.7999	665147.3	-48.5989	11.54538	13991472	-1.6E+07	4293788
813.9999	665157.9	-48.5909	11.53479	13994208	-1.6E+07	4289903
814.1999	665168.6	-48.583	11.52419	13996943	-1.6E+07	4286018
814.3999	665179.3	-48.575	11.5136	13999677	-1.6E+07	4282132
814.5999	665190.1	-48.5671	11.503	14002411	-1.6E+07	4278246
814.7999	665200.8	-48.5591	11.49241	14005143	-1.6E+07	4274359
814.9999	665211.5	-48.5512	11.48181	14007875	-1.6E+07	4270473
815.1999	665222.3	-48.5432	11.47122	14010607	-1.6E+07	4266586
815.3999	665233	-48.5353	11.46062	14013337	-1.6E+07	4262699
815.5999	665243.8	-48.5273	11.45003	14016067	-1.6E+07	4258812
815.7999	665254.6	-48.5194	11.43943	14018796	-1.6E+07	4254924
815.9999	665265.4	-48.5114	11.42883	14021524	-1.6E+07	4251036
816.1999	665276.2	-48.5035	11.41824	14024252	-1.6E+07	4247148
816.3999	665287	-48.4955	11.40764	14026979	-1.6E+07	4243260
816.5999	665297.9	-48.4876	11.39704	14029705	-1.6E+07	4239372
816.7999	665308.7	-48.4796	11.38645	14032430	-1.6E+07	4235483
816.9999	665319.6	-48.4717	11.37585	14035155	-1.6E+07	4231594
817.1999	665330.5	-48.4637	11.36525	14037879	-1.6E+07	4227705
817.3999	665341.3	-48.4558	11.35465	14040602	-1.6E+07	4223815
817.5999	665352.2	-48.4478	11.34405	14043324	-1.6E+07	4219926
817.7999	665363.1	-48.4399	11.33346	14046046	-1.6E+07	4216036
817.9999	665374.1	-48.4319	11.32286	14048767	-1.6E+07	4212146
818.1999	665385	-48.424	11.31226	14051487	-1.6E+07	4208255
818.3999	665395.9	-48.4161	11.30166	14054206	-1.6E+07	4204365
818.5999	665406.9	-48.4081	11.29106	14056925	-1.6E+07	4200474
818.7999	665417.9	-48.4002	11.28046	14059643	-1.6E+07	4196583
818.9999	665428.8	-48.3922	11.26986	14062360	-1.6E+07	4192692
819.1999	665439.8	-48.3843	11.25926	14065076	-1.6E+07	4188800
819.3999	665450.8	-48.3764	11.24866	14067792	-1.6E+07	4184908

819.5999	665461.9	-48.3684	11.23806	14070507	-1.6E+07	4181016
819.7999	665472.9	-48.3605	11.22745	14073221	-1.6E+07	4177124
819.9999	665483.9	-48.3525	11.21685	14075934	-1.6E+07	4173231
820.1999	665495	-48.3446	11.20625	14078647	-1.6E+07	4169339
820.3999	665506	-48.3367	11.19565	14081359	-1.6E+07	4165446
820.5999	665517.1	-48.3287	11.18505	14084070	-1.6E+07	4161553
820.7999	665528.2	-48.3208	11.17445	14086781	-1.6E+07	4157659
820.9999	665539.3	-48.3129	11.16384	14089490	-1.6E+07	4153766
821.1999	665550.4	-48.3049	11.15324	14092199	-1.6E+07	4149872
821.3999	665561.6	-48.297	11.14264	14094908	-1.6E+07	4145978
821.5999	665572.7	-48.2891	11.13203	14097615	-1.6E+07	4142083
821.7999	665583.8	-48.2811	11.12143	14100322	-1.6E+07	4138189
821.9999	665595	-48.2732	11.11083	14103028	-1.6E+07	4134294
822.1999	665606.2	-48.2653	11.10022	14105733	-1.6E+07	4130399
822.3999	665617.4	-48.2573	11.08962	14108437	-1.6E+07	4126503
822.5999	665628.6	-48.2494	11.07901	14111141	-1.6E+07	4122608
822.7999	665639.8	-48.2415	11.06841	14113844	-1.6E+07	4118712
822.9999	665651	-48.2336	11.0578	14116546	-1.6E+07	4114816
823.1999	665662.2	-48.2256	11.0472	14119248	-1.6E+07	4110920
823.3999	665673.5	-48.2177	11.03659	14121949	-1.6E+07	4107024
823.5999	665684.7	-48.2098	11.02598	14124649	-1.6E+07	4103127
823.7999	665696	-48.2018	11.01538	14127348	-1.6E+07	4099230
823.9999	665707.3	-48.1939	11.00477	14130046	-1.6E+07	4095333
824.1999	665718.6	-48.186	10.99417	14132744	-1.6E+07	4091436
824.3999	665729.9	-48.1781	10.98356	14135441	-1.6E+07	4087538
824.5999	665741.2	-48.1702	10.97295	14138137	-1.6E+07	4083640
824.7999	665752.5	-48.1622	10.96234	14140833	-1.6E+07	4079742
824.9999	665763.9	-48.1543	10.95174	14143527	-1.6E+07	4075844
825.1999	665775.2	-48.1464	10.94113	14146221	-1.6E+07	4071945
825.3999	665786.6	-48.1385	10.93052	14148915	-1.6E+07	4068047
825.5999	665798	-48.1305	10.91991	14151607	-1.6E+07	4064148
825.7999	665809.3	-48.1226	10.9093	14154299	-1.6E+07	4060248
825.9999	665820.8	-48.1147	10.89869	14156990	-1.6E+07	4056349
826.1999	665832.2	-48.1068	10.88809	14159680	-1.6E+07	4052449
826.3999	665843.6	-48.0989	10.87748	14162370	-1.6E+07	4048550
826.5999	665855	-48.091	10.86687	14165059	-1.6E+07	4044649
826.7999	665866.5	-48.083	10.85626	14167747	-1.6E+07	4040749
826.9999	665877.9	-48.0751	10.84565	14170434	-1.6E+07	4036849
827.1999	665889.4	-48.0672	10.83504	14173120	-1.6E+07	4032948
827.3999	665900.9	-48.0593	10.82443	14175806	-1.6E+07	4029047
827.5999	665912.4	-48.0514	10.81382	14178491	-1.6E+07	4025146
827.7999	665923.9	-48.0435	10.8032	14181175	-1.6E+07	4021244
827.9999	665935.4	-48.0356	10.79259	14183859	-1.6E+07	4017342
828.1999	665947	-48.0277	10.78198	14186542	-1.6E+07	4013440
828.3999	665958.5	-48.0197	10.77137	14189224	-1.6E+07	4009538
828.5999	665970.1	-48.0118	10.76076	14191905	-1.6E+07	4005636
828.7999	665981.6	-48.0039	10.75015	14194585	-1.6E+07	4001733

828.9999	665993.2	-47.996	10.73953	14197265	-1.6E+07	3997831
829.1999	666004.8	-47.9881	10.72892	14199944	-1.6E+07	3993928
829.3999	666016.4	-47.9802	10.71831	14202622	-1.6E+07	3990024
829.5999	666028	-47.9723	10.70769	14205300	-1.6E+07	3986121
829.7999	666039.7	-47.9644	10.69708	14207977	-1.6E+07	3982217
829.9999	666051.3	-47.9565	10.68647	14210653	-1.6E+07	3978313
830.1999	666063	-47.9486	10.67585	14213328	-1.6E+07	3974409
830.3999	666074.6	-47.9407	10.66524	14216002	-1.6E+07	3970505
830.5999	666086.3	-47.9328	10.65462	14218676	-1.6E+07	3966600
830.7999	666098	-47.9249	10.64401	14221349	-1.6E+07	3962695
830.9999	666109.7	-47.917	10.6334	14224021	-1.6E+07	3958790
831.1999	666121.4	-47.9091	10.62278	14226693	-1.6E+07	3954885
831.3999	666133.2	-47.9012	10.61216	14229363	-1.6E+07	3950980
831.5999	666144.9	-47.8933	10.60155	14232033	-1.6E+07	3947074
831.7999	666156.7	-47.8854	10.59093	14234703	-1.6E+07	3943168
831.9999	666168.4	-47.8775	10.58032	14237371	-1.6E+07	3939262
832.1999	666180.2	-47.8696	10.5697	14240039	-1.6E+07	3935355
832.3999	666192	-47.8617	10.55908	14242706	-1.6E+07	3931449
832.5999	666203.8	-47.8538	10.54847	14245372	-1.6E+07	3927542
832.7999	666215.6	-47.8459	10.53785	14248037	-1.6E+07	3923635
832.9999	666227.4	-47.838	10.52723	14250702	-1.6E+07	3919728
833.1999	666239.2	-47.8301	10.51662	14253366	-1.6E+07	3915820
833.3999	666251.1	-47.8222	10.506	14256029	-1.6E+07	3911913
833.5999	666263	-47.8143	10.49538	14258692	-1.6E+07	3908005
833.7999	666274.8	-47.8064	10.48476	14261353	-1.6E+07	3904096
833.9999	666286.7	-47.7985	10.47414	14264014	-1.6E+07	3900188
834.1999	666298.6	-47.7906	10.46353	14266674	-1.6E+07	3896280
834.3999	666310.5	-47.7827	10.45291	14269334	-1.6E+07	3892371
834.5999	666322.4	-47.7748	10.44229	14271993	-1.6E+07	3888462
834.7999	666334.4	-47.7669	10.43167	14274650	-1.6E+07	3884553
834.9999	666346.3	-47.759	10.42105	14277308	-1.6E+07	3880643
835.1999	666358.3	-47.7511	10.41043	14279964	-1.6E+07	3876733
835.3999	666370.2	-47.7433	10.39981	14282620	-1.6E+07	3872824
835.5999	666382.2	-47.7354	10.38919	14285275	-1.6E+07	3868913
835.7999	666394.2	-47.7275	10.37857	14287929	-1.6E+07	3865003
835.9999	666406.2	-47.7196	10.36795	14290582	-1.6E+07	3861093
836.1999	666418.2	-47.7117	10.35733	14293235	-1.6E+07	3857182
836.3999	666430.3	-47.7038	10.34671	14295887	-1.6E+07	3853271
836.5999	666442.3	-47.6959	10.33609	14298538	-1.6E+07	3849360
836.7999	666454.4	-47.688	10.32546	14301188	-1.6E+07	3845448
836.9999	666466.4	-47.6802	10.31484	14303838	-1.6E+07	3841537
837.1999	666478.5	-47.6723	10.30422	14306486	-1.6E+07	3837625
837.3999	666490.6	-47.6644	10.2936	14309135	-1.6E+07	3833713
837.5999	666502.7	-47.6565	10.28298	14311782	-1.6E+07	3829801
837.7999	666514.8	-47.6486	10.27235	14314428	-1.6E+07	3825888
837.9999	666526.9	-47.6407	10.26173	14317074	-1.6E+07	3821976
838.1999	666539.1	-47.6329	10.25111	14319719	-1.6E+07	3818063

838.3999	666551.2	-47.625	10.24048	14322364	-1.6E+07	3814149
838.5999	666563.4	-47.6171	10.22986	14325007	-1.6E+07	3810236
838.7999	666575.5	-47.6092	10.21924	14327650	-1.6E+07	3806323
838.9999	666587.7	-47.6013	10.20861	14330292	-1.6E+07	3802409
839.1999	666599.9	-47.5935	10.19799	14332933	-1.6E+07	3798495
839.3999	666612.1	-47.5856	10.18736	14335574	-1.6E+07	3794581
839.5999	666624.4	-47.5777	10.17674	14338214	-1.6E+07	3790666
839.7999	666636.6	-47.5698	10.16611	14340853	-1.6E+07	3786752
839.9999	666648.8	-47.562	10.15549	14343491	-1.6E+07	3782837
840.1999	666661.1	-47.5541	10.14486	14346128	-1.6E+07	3778922
840.3999	666673.4	-47.5462	10.13424	14348765	-1.6E+07	3775007
840.5999	666685.6	-47.5383	10.12361	14351401	-1.6E+07	3771091
840.7999	666697.9	-47.5305	10.11299	14354036	-1.6E+07	3767176
840.9999	666710.2	-47.5226	10.10236	14356671	-1.6E+07	3763260
841.1999	666722.6	-47.5147	10.09173	14359304	-1.6E+07	3759344
841.3999	666734.9	-47.5068	10.08111	14361937	-1.6E+07	3755427
841.5999	666747.2	-47.499	10.07048	14364569	-1.6E+07	3751511
841.7999	666759.6	-47.4911	10.05985	14367201	-1.6E+07	3747594
841.9999	666771.9	-47.4832	10.04922	14369832	-1.6E+07	3743677
842.1999	666784.3	-47.4754	10.0386	14372461	-1.6E+07	3739760
842.3999	666796.7	-47.4675	10.02797	14375091	-1.6E+07	3735843
842.5999	666809.1	-47.4596	10.01734	14377719	-1.6E+07	3731925
842.7999	666821.5	-47.4518	10.00671	14380347	-1.6E+07	3728007
842.9999	666834	-47.4439	9.996083	14382973	-1.6E+07	3724089
843.1999	666846.4	-47.436	9.985455	14385600	-1.6E+07	3720171
843.3999	666858.8	-47.4282	9.974826	14388225	-1.6E+07	3716253
843.5999	666871.3	-47.4203	9.964197	14390849	-1.6E+07	3712334
843.7999	666883.8	-47.4124	9.953567	14393473	-1.6E+07	3708415
843.9999	666896.3	-47.4046	9.942938	14396096	-1.6E+07	3704496
844.1999	666908.8	-47.3967	9.932308	14398719	-1.6E+07	3700577
844.3999	666921.3	-47.3888	9.921678	14401340	-1.6E+07	3696658
844.5999	666933.8	-47.381	9.911048	14403961	-1.6E+07	3692738
844.7999	666946.3	-47.3731	9.900417	14406581	-1.6E+07	3688818
844.9999	666958.9	-47.3653	9.889787	14409200	-1.6E+07	3684898
845.1999	666971.4	-47.3574	9.879156	14411819	-1.6E+07	3680978
845.3999	666984	-47.3495	9.868525	14414436	-1.6E+07	3677057
845.5999	666996.6	-47.3417	9.857893	14417053	-1.6E+07	3673137
845.7999	667009.2	-47.3338	9.847262	14419670	-1.6E+07	3669216
845.9999	667021.8	-47.326	9.83663	14422285	-1.6E+07	3665295
846.1999	667034.4	-47.3181	9.825998	14424900	-1.6E+07	3661373
846.3999	667047	-47.3102	9.815366	14427514	-1.6E+07	3657452
846.5999	667059.7	-47.3024	9.804734	14430127	-1.6E+07	3653530
846.7999	667072.3	-47.2945	9.794101	14432739	-1.6E+07	3649608
846.9999	667085	-47.2867	9.783468	14435351	-1.6E+07	3645686
847.1999	667097.7	-47.2788	9.772835	14437962	-1.6E+07	3641764
847.3999	667110.4	-47.271	9.762202	14440572	-1.6E+07	3637841
847.5999	667123.1	-47.2631	9.751569	14443181	-1.6E+07	3633919

847.7999	667135.8	-47.2553	9.740935	14445790	-1.6E+07	3629996
847.9999	667148.5	-47.2474	9.730301	14448398	-1.6E+07	3626072
848.1999	667161.3	-47.2395	9.719667	14451005	-1.6E+07	3622149
848.3999	667174	-47.2317	9.709033	14453611	-1.6E+07	3618226
848.5999	667186.8	-47.2238	9.698398	14456217	-1.6E+07	3614302
848.7999	667199.5	-47.216	9.687763	14458821	-1.6E+07	3610378
848.9999	667212.3	-47.2081	9.677129	14461425	-1.6E+07	3606454
849.1999	667225.1	-47.2003	9.666493	14464029	-1.6E+07	3602529
849.3999	667237.9	-47.1924	9.655858	14466631	-1.6E+07	3598605
849.5999	667250.8	-47.1846	9.645222	14469233	-1.6E+07	3594680
849.7999	667263.6	-47.1768	9.634587	14471834	-1.6E+07	3590755
849.9999	667276.4	-47.1689	9.623951	14474434	-1.6E+07	3586830
850.1999	667289.3	-47.1611	9.613315	14477033	-1.6E+07	3582905
850.3999	667302.2	-47.1532	9.602678	14479632	-1.6E+07	3578979
850.5999	667315.1	-47.1454	9.592042	14482230	-1.6E+07	3575053
850.7999	667328	-47.1375	9.581405	14484827	-1.6E+07	3571127
850.9999	667340.9	-47.1297	9.570768	14487423	-1.6E+07	3567201
851.1999	667353.8	-47.1218	9.56013	14490019	-1.6E+07	3563275
851.3999	667366.7	-47.114	9.549493	14492614	-1.6E+07	3559348
851.5999	667379.7	-47.1061	9.538855	14495208	-1.6E+07	3555421
851.7999	667392.6	-47.0983	9.528218	14497801	-1.6E+07	3551494
851.9999	667405.6	-47.0905	9.517579	14500394	-1.6E+07	3547567
852.1999	667418.6	-47.0826	9.506941	14502986	-1.6E+07	3543640
852.3999	667431.5	-47.0748	9.496303	14505577	-1.6E+07	3539712
852.5999	667444.6	-47.0669	9.485664	14508167	-1.6E+07	3535785
852.7999	667457.6	-47.0591	9.475025	14510756	-1.6E+07	3531857
852.9999	667470.6	-47.0513	9.464386	14513345	-1.6E+07	3527929
853.1999	667483.6	-47.0434	9.453747	14515933	-1.6E+07	3524000
853.3999	667496.7	-47.0356	9.443107	14518520	-1.6E+07	3520072
853.5999	667509.8	-47.0277	9.432468	14521107	-1.6E+07	3516143
853.7999	667522.8	-47.0199	9.421828	14523692	-1.6E+07	3512214
853.9999	667535.9	-47.0121	9.411188	14526277	-1.6E+07	3508285
854.1999	667549	-47.0042	9.400547	14528861	-1.6E+07	3504355
854.3999	667562.1	-46.9964	9.389907	14531444	-1.6E+07	3500426
854.5999	667575.2	-46.9886	9.379266	14534027	-1.6E+07	3496496
854.7999	667588.4	-46.9807	9.368625	14536609	-1.6E+07	3492566
854.9999	667601.5	-46.9729	9.357984	14539190	-1.6E+07	3488636
855.1999	667614.7	-46.9651	9.347343	14541770	-1.6E+07	3484706
855.3999	667627.9	-46.9572	9.336701	14544350	-1.6E+07	3480775
855.5999	667641	-46.9494	9.326059	14546928	-1.6E+07	3476845
855.7999	667654.2	-46.9416	9.315417	14549506	-1.6E+07	3472914
855.9999	667667.4	-46.9337	9.304775	14552084	-1.6E+07	3468983
856.1999	667680.7	-46.9259	9.294133	14554660	-1.6E+07	3465051
856.3999	667693.9	-46.9181	9.28349	14557236	-1.6E+07	3461120
856.5999	667707.1	-46.9102	9.272848	14559811	-1.6E+07	3457188
856.7999	667720.4	-46.9024	9.262205	14562385	-1.6E+07	3453256
856.9999	667733.7	-46.8946	9.251562	14564958	-1.6E+07	3449324

857.1999	667746.9	-46.8868	9.240918	14567531	-1.6E+07	3445392
857.3999	667760.2	-46.8789	9.230275	14570103	-1.6E+07	3441459
857.5999	667773.5	-46.8711	9.219631	14572674	-1.6E+07	3437527
857.7999	667786.8	-46.8633	9.208987	14575244	-1.6E+07	3433594
857.9999	667800.2	-46.8555	9.198343	14577814	-1.6E+07	3429661
858.1999	667813.5	-46.8476	9.187699	14580382	-1.6E+07	3425728
858.3999	667826.9	-46.8398	9.177054	14582950	-1.6E+07	3421794
858.5999	667840.2	-46.832	9.166409	14585517	-1.6E+07	3417861
858.7999	667853.6	-46.8242	9.155764	14588084	-1.6E+07	3413927
858.9999	667867	-46.8163	9.145119	14590650	-1.6E+07	3409993
859.1999	667880.4	-46.8085	9.134474	14593215	-1.6E+07	3406059
859.3999	667893.8	-46.8007	9.123829	14595779	-1.6E+07	3402124
859.5999	667907.2	-46.7929	9.113183	14598342	-1.6E+07	3398190
859.7999	667920.6	-46.785	9.102537	14600905	-1.6E+07	3394255
859.9999	667934.1	-46.7772	9.091891	14603466	-1.6E+07	3390320
860.1999	667947.6	-46.7694	9.081245	14606028	-1.6E+07	3386385
860.3999	667961	-46.7616	9.070598	14608588	-1.6E+07	3382449
860.5999	667974.5	-46.7538	9.059951	14611147	-1.6E+07	3378514
860.7999	667988	-46.746	9.049304	14613706	-1.6E+07	3374578
860.9999	668001.5	-46.7381	9.038657	14616264	-1.6E+07	3370642
861.1999	668015	-46.7303	9.02801	14618821	-1.6E+07	3366706
861.3999	668028.6	-46.7225	9.017363	14621378	-1.6E+07	3362770
861.5999	668042.1	-46.7147	9.006715	14623933	-1.6E+07	3358833
861.7999	668055.7	-46.7069	8.996067	14626488	-1.6E+07	3354897
861.9999	668069.2	-46.6991	8.985419	14629042	-1.6E+07	3350960
862.1999	668082.8	-46.6912	8.974771	14631596	-1.6E+07	3347023
862.3999	668096.4	-46.6834	8.964122	14634148	-1.6E+07	3343086
862.5999	668110	-46.6756	8.953474	14636700	-1.6E+07	3339148
862.7999	668123.6	-46.6678	8.942825	14639251	-1.6E+07	3335211
862.9999	668137.2	-46.66	8.932176	14641801	-1.6E+07	3331273
863.1999	668150.9	-46.6522	8.921527	14644351	-1.6E+07	3327335
863.3999	668164.5	-46.6444	8.910877	14646900	-1.6E+07	3323397
863.5999	668178.2	-46.6365	8.900228	14649448	-1.6E+07	3319458
863.7999	668191.9	-46.6287	8.889578	14651995	-1.6E+07	3315520
863.9999	668205.6	-46.6209	8.878928	14654541	-1.6E+07	3311581
864.1999	668219.3	-46.6131	8.868278	14657087	-1.6E+07	3307642
864.3999	668233	-46.6053	8.857628	14659632	-1.6E+07	3303703
864.5999	668246.7	-46.5975	8.846977	14662176	-1.6E+07	3299764
864.7999	668260.4	-46.5897	8.836326	14664719	-1.6E+07	3295824
864.9999	668274.2	-46.5819	8.825675	14667262	-1.6E+07	3291885
865.1999	668287.9	-46.5741	8.815024	14669803	-1.5E+07	3287945
865.3999	668301.7	-46.5663	8.804373	14672344	-1.5E+07	3284005
865.5999	668315.5	-46.5585	8.793722	14674885	-1.5E+07	3280065
865.7999	668329.3	-46.5507	8.78307	14677424	-1.5E+07	3276124
865.9999	668343.1	-46.5429	8.772418	14679963	-1.5E+07	3272184
866.1999	668356.9	-46.535	8.761766	14682501	-1.5E+07	3268243
866.3999	668370.8	-46.5272	8.751114	14685038	-1.5E+07	3264302

866.5999	668384.6	-46.5194	8.740461	14687574	-1.5E+07	3260361
866.7999	668398.5	-46.5116	8.729809	14690110	-1.5E+07	3256420
866.9999	668412.3	-46.5038	8.719156	14692645	-1.5E+07	3252478
867.1999	668426.2	-46.496	8.708503	14695179	-1.5E+07	3248537
867.3999	668440.1	-46.4882	8.69785	14697712	-1.5E+07	3244595
867.5999	668454	-46.4804	8.687196	14700244	-1.5E+07	3240653
867.7999	668467.9	-46.4726	8.676543	14702776	-1.5E+07	3236711
867.9999	668481.8	-46.4648	8.665889	14705307	-1.5E+07	3232768
868.1999	668495.8	-46.457	8.655235	14707837	-1.5E+07	3228826
868.3999	668509.7	-46.4492	8.644581	14710366	-1.5E+07	3224883
868.5999	668523.7	-46.4414	8.633927	14712895	-1.5E+07	3220940
868.7999	668537.7	-46.4336	8.623273	14715423	-1.5E+07	3216997
868.9999	668551.7	-46.4258	8.612618	14717950	-1.5E+07	3213053
869.1999	668565.7	-46.418	8.601963	14720476	-1.5E+07	3209110
869.3999	668579.7	-46.4102	8.591308	14723002	-1.5E+07	3205166
869.5999	668593.7	-46.4024	8.580653	14725527	-1.5E+07	3201223
869.7999	668607.7	-46.3947	8.569998	14728050	-1.5E+07	3197279
869.9999	668621.8	-46.3869	8.559342	14730574	-1.5E+07	3193334
870.1999	668635.8	-46.3791	8.548686	14733096	-1.5E+07	3189390
870.3999	668649.9	-46.3713	8.53803	14735618	-1.5E+07	3185445
870.5999	668664	-46.3635	8.527374	14738139	-1.5E+07	3181501
870.7999	668678.1	-46.3557	8.516718	14740659	-1.5E+07	3177556
870.9999	668692.2	-46.3479	8.506062	14743178	-1.5E+07	3173611
871.1999	668706.3	-46.3401	8.495405	14745696	-1.5E+07	3169665
871.3999	668720.5	-46.3323	8.484748	14748214	-1.5E+07	3165720
871.5999	668734.6	-46.3245	8.474091	14750731	-1.5E+07	3161774
871.7999	668748.8	-46.3167	8.463434	14753247	-1.5E+07	3157829
871.9999	668762.9	-46.3089	8.452777	14755763	-1.5E+07	3153883
872.1999	668777.1	-46.3011	8.442119	14758277	-1.5E+07	3149936
872.3999	668791.3	-46.2934	8.431461	14760791	-1.5E+07	3145990
872.5999	668805.5	-46.2856	8.420803	14763304	-1.5E+07	3142044
872.7999	668819.7	-46.2778	8.410145	14765817	-1.5E+07	3138097
872.9999	668833.9	-46.27	8.399487	14768328	-1.5E+07	3134150
873.1999	668848.2	-46.2622	8.388829	14770839	-1.5E+07	3130203
873.3999	668862.4	-46.2544	8.37817	14773349	-1.5E+07	3126256
873.5999	668876.7	-46.2466	8.367511	14775858	-1.5E+07	3122308
873.7999	668891	-46.2388	8.356852	14778366	-1.5E+07	3118361
873.9999	668905.3	-46.2311	8.346193	14780874	-1.5E+07	3114413
874.1999	668919.6	-46.2233	8.335534	14783381	-1.5E+07	3110465
874.3999	668933.9	-46.2155	8.324874	14785887	-1.5E+07	3106517
874.5999	668948.2	-46.2077	8.314215	14788392	-1.5E+07	3102569
874.7999	668962.5	-46.1999	8.303555	14790897	-1.5E+07	3098620
874.9999	668976.9	-46.1921	8.292895	14793401	-1.5E+07	3094672
875.1999	668991.2	-46.1844	8.282235	14795904	-1.5E+07	3090723
875.3999	669005.6	-46.1766	8.271574	14798406	-1.5E+07	3086774
875.5999	669020	-46.1688	8.260914	14800907	-1.5E+07	3082825
875.7999	669034.4	-46.161	8.250253	14803408	-1.5E+07	3078876

875.9999	669048.8	-46.1532	8.239592	14805908	-1.5E+07	3074926
876.1999	669063.2	-46.1454	8.228931	14808407	-1.5E+07	3070977
876.3999	669077.7	-46.1377	8.21827	14810905	-1.5E+07	3067027
876.5999	669092.1	-46.1299	8.207608	14813402	-1.5E+07	3063077
876.7999	669106.6	-46.1221	8.196947	14815899	-1.5E+07	3059127
876.9999	669121	-46.1143	8.186285	14818395	-1.5E+07	3055176
877.1999	669135.5	-46.1066	8.175623	14820890	-1.5E+07	3051226
877.3999	669150	-46.0988	8.164961	14823385	-1.5E+07	3047275
877.5999	669164.5	-46.091	8.154299	14825878	-1.5E+07	3043324
877.7999	669179	-46.0832	8.143636	14828371	-1.5E+07	3039373
877.9999	669193.5	-46.0754	8.132974	14830863	-1.5E+07	3035422
878.1999	669208.1	-46.0677	8.122311	14833354	-1.5E+07	3031471
878.3999	669222.6	-46.0599	8.111648	14835845	-1.5E+07	3027519
878.5999	669237.2	-46.0521	8.100985	14838335	-1.5E+07	3023568
878.7999	669251.8	-46.0443	8.090322	14840824	-1.5E+07	3019616
878.9999	669266.4	-46.0366	8.079658	14843312	-1.5E+07	3015664
879.1999	669281	-46.0288	8.068994	14845799	-1.5E+07	3011711
879.3999	669295.6	-46.021	8.058331	14848286	-1.5E+07	3007759
879.5999	669310.2	-46.0133	8.047667	14850771	-1.5E+07	3003806
879.7999	669324.8	-46.0055	8.037003	14853256	-1.5E+07	2999854
879.9999	669339.5	-45.9977	8.026338	14855741	-1.5E+07	2995901
880.1999	669354.1	-45.9899	8.015674	14858224	-1.5E+07	2991948
880.3999	669368.8	-45.9822	8.005009	14860707	-1.5E+07	2987995
880.5999	669383.5	-45.9744	7.994344	14863189	-1.5E+07	2984041
880.7999	669398.2	-45.9666	7.983679	14865670	-1.5E+07	2980088
880.9999	669412.9	-45.9589	7.973014	14868150	-1.5E+07	2976134
881.1999	669427.6	-45.9511	7.962349	14870630	-1.5E+07	2972180
881.3999	669442.3	-45.9433	7.951683	14873108	-1.5E+07	2968226
881.5999	669457.1	-45.9356	7.941018	14875586	-1.5E+07	2964272
881.7999	669471.8	-45.9278	7.930352	14878064	-1.5E+07	2960317
881.9999	669486.6	-45.92	7.919686	14880540	-1.5E+07	2956363
882.1999	669501.4	-45.9123	7.90902	14883016	-1.5E+07	2952408
882.3999	669516.2	-45.9045	7.898353	14885491	-1.5E+07	2948453
882.5999	669531	-45.8967	7.887687	14887965	-1.5E+07	2944498
882.7999	669545.8	-45.889	7.87702	14890438	-1.5E+07	2940543
882.9999	669560.6	-45.8812	7.866353	14892910	-1.5E+07	2936588
883.1999	669575.5	-45.8734	7.855686	14895382	-1.5E+07	2932632
883.3999	669590.3	-45.8657	7.845019	14897853	-1.5E+07	2928676
883.5999	669605.2	-45.8579	7.834352	14900323	-1.5E+07	2924721
883.7999	669620.1	-45.8501	7.823684	14902793	-1.5E+07	2920765
883.9999	669635	-45.8424	7.813017	14905261	-1.5E+07	2916808
884.1999	669649.8	-45.8346	7.802349	14907729	-1.5E+07	2912852
884.3999	669664.8	-45.8269	7.791681	14910196	-1.5E+07	2908895
884.5999	669679.7	-45.8191	7.781013	14912662	-1.5E+07	2904939
884.7999	669694.6	-45.8113	7.770345	14915128	-1.5E+07	2900982
884.9999	669709.6	-45.8036	7.759676	14917592	-1.5E+07	2897025
885.1999	669724.5	-45.7958	7.749008	14920056	-1.5E+07	2893068

885.3999	669739.5	-45.7881	7.738339	14922519	-1.5E+07	2889110
885.5999	669754.5	-45.7803	7.72767	14924981	-1.5E+07	2885153
885.7999	669769.5	-45.7725	7.717001	14927443	-1.5E+07	2881195
885.9999	669784.5	-45.7648	7.706332	14929904	-1.5E+07	2877237
886.1999	669799.5	-45.757	7.695662	14932364	-1.5E+07	2873279
886.3999	669814.5	-45.7493	7.684993	14934823	-1.5E+07	2869321
886.5999	669829.6	-45.7415	7.674323	14937281	-1.5E+07	2865363
886.7999	669844.6	-45.7338	7.663653	14939739	-1.5E+07	2861404
886.9999	669859.7	-45.726	7.652983	14942196	-1.5E+07	2857446
887.1999	669874.8	-45.7182	7.642313	14944652	-1.5E+07	2853487
887.3999	669889.9	-45.7105	7.631642	14947107	-1.5E+07	2849528
887.5999	669905	-45.7027	7.620972	14949561	-1.5E+07	2845569
887.7999	669920.1	-45.695	7.610301	14952015	-1.5E+07	2841610
887.9999	669935.2	-45.6872	7.59963	14954468	-1.5E+07	2837650
888.1999	669950.4	-45.6795	7.588959	14956920	-1.5E+07	2833691
888.3999	669965.5	-45.6717	7.578288	14959371	-1.5E+07	2829731
888.5999	669980.7	-45.664	7.567617	14961822	-1.5E+07	2825771
888.7999	669995.8	-45.6562	7.556945	14964271	-1.5E+07	2821811
888.9999	670011	-45.6485	7.546274	14966720	-1.5E+07	2817851
889.1999	670026.2	-45.6407	7.535602	14969169	-1.5E+07	2813890
889.3999	670041.4	-45.633	7.52493	14971616	-1.5E+07	2809930
889.5999	670056.7	-45.6252	7.514258	14974063	-1.5E+07	2805969
889.7999	670071.9	-45.6175	7.503585	14976508	-1.5E+07	2802008
889.9999	670087.1	-45.6097	7.492913	14978953	-1.5E+07	2798047
890.1999	670102.4	-45.602	7.48224	14981398	-1.5E+07	2794086
890.3999	670117.7	-45.5942	7.471568	14983841	-1.5E+07	2790125
890.5999	670133	-45.5865	7.460895	14986284	-1.5E+07	2786163
890.7999	670148.2	-45.5787	7.450222	14988725	-1.5E+07	2782202
890.9999	670163.6	-45.571	7.439549	14991167	-1.5E+07	2778240
891.1999	670178.9	-45.5632	7.428875	14993607	-1.5E+07	2774278
891.3999	670194.2	-45.5555	7.418202	14996046	-1.5E+07	2770316
891.5999	670209.5	-45.5477	7.407528	14998485	-1.5E+07	2766354
891.7999	670224.9	-45.54	7.396854	15000923	-1.5E+07	2762391
891.9999	670240.3	-45.5322	7.38618	15003360	-1.5E+07	2758429
892.1999	670255.6	-45.5245	7.375506	15005796	-1.5E+07	2754466
892.3999	670271	-45.5168	7.364832	15008232	-1.5E+07	2750503
892.5999	670286.4	-45.509	7.354158	15010667	-1.5E+07	2746540
892.7999	670301.9	-45.5013	7.343483	15013101	-1.5E+07	2742577
892.9999	670317.3	-45.4935	7.332808	15015534	-1.5E+07	2738613
893.1999	670332.7	-45.4858	7.322133	15017966	-1.5E+07	2734650
893.3999	670348.2	-45.478	7.311458	15020398	-1.5E+07	2730686
893.5999	670363.6	-45.4703	7.300783	15022829	-1.5E+07	2726723
893.7999	670379.1	-45.4626	7.290108	15025259	-1.5E+07	2722759
893.9999	670394.6	-45.4548	7.279432	15027688	-1.5E+07	2718794
894.1999	670410.1	-45.4471	7.268757	15030116	-1.5E+07	2714830
894.3999	670425.6	-45.4393	7.258081	15032544	-1.5E+07	2710866
894.5999	670441.1	-45.4316	7.247405	15034971	-1.5E+07	2706901

894.7999	670456.7	-45.4239	7.236729	15037397	-1.5E+07	2702937
894.9999	670472.2	-45.4161	7.226053	15039822	-1.5E+07	2698972
895.1999	670487.8	-45.4084	7.215376	15042247	-1.5E+07	2695007
895.3999	670503.3	-45.4006	7.2047	15044670	-1.5E+07	2691041
895.5999	670518.9	-45.3929	7.194023	15047093	-1.5E+07	2687076
895.7999	670534.5	-45.3852	7.183346	15049516	-1.5E+07	2683111
895.9999	670550.1	-45.3774	7.172669	15051937	-1.5E+07	2679145
896.1999	670565.7	-45.3697	7.161992	15054357	-1.5E+07	2675179
896.3999	670581.4	-45.362	7.151315	15056777	-1.5E+07	2671213
896.5999	670597	-45.3542	7.140638	15059196	-1.5E+07	2667247
896.7999	670612.6	-45.3465	7.12996	15061614	-1.5E+07	2663281
896.9999	670628.3	-45.3388	7.119282	15064032	-1.5E+07	2659315
897.1999	670644	-45.331	7.108605	15066448	-1.5E+07	2655348
897.3999	670659.7	-45.3233	7.097927	15068864	-1.5E+07	2651381
897.5999	670675.4	-45.3156	7.087248	15071279	-1.5E+07	2647415
897.7599	670688	-45.3094	7.078706	15073210	-1.5E+07	2644241
897.7999	670691.1	-45.3078	7.07657	15073693	-1.5E+07	2643448
897.9999	670706.8	-45.3001	7.065892	15076107	-1.5E+07	2639481
898.1999	670722.6	-45.2924	7.055213	15078519	-1.5E+07	2635513
898.3999	670738.3	-45.2846	7.044535	15080931	-1.5E+07	2631546
898.5999	670754.1	-45.2769	7.033856	15083342	-1.5E+07	2627578
898.7999	670769.8	-45.2692	7.023177	15085752	-1.5E+07	2623611
898.9999	670785.6	-45.2614	7.012498	15088162	-1.5E+07	2619643
899.1999	670801.4	-45.2537	7.001819	15090570	-1.5E+07	2615675
899.3999	670817.2	-45.246	6.991139	15092978	-1.5E+07	2611707
899.5999	670833	-45.2383	6.98046	15095385	-1.5E+07	2607739
899.7999	670848.9	-45.2305	6.96978	15097792	-1.5E+07	2603770
899.9999	670864.7	-45.2228	6.959101	15100197	-1.5E+07	2599802
900.1999	670880.6	-45.2151	6.948421	15102602	-1.5E+07	2595833
900.3999	670896.4	-45.2073	6.937741	15105006	-1.5E+07	2591864
900.5999	670912.3	-45.1996	6.927061	15107409	-1.5E+07	2587895
900.7999	670928.2	-45.1919	6.916381	15109811	-1.5E+07	2583926
900.9999	670944.1	-45.1842	6.9057	15112212	-1.5E+07	2579957
901.1999	670960	-45.1764	6.89502	15114613	-1.5E+07	2575988
901.3999	670975.9	-45.1687	6.884339	15117013	-1.5E+07	2572018
901.5999	670991.9	-45.161	6.873658	15119412	-1.5E+07	2568048
901.7999	671007.8	-45.1533	6.862978	15121810	-1.5E+07	2564079
901.9999	671023.8	-45.1455	6.852297	15124208	-1.5E+07	2560109
902.1999	671039.7	-45.1378	6.841615	15126604	-1.5E+07	2556139
902.3999	671055.7	-45.1301	6.830934	15129000	-1.5E+07	2552168
902.5999	671071.7	-45.1224	6.820253	15131395	-1.5E+07	2548198
902.7999	671087.7	-45.1146	6.809571	15133790	-1.5E+07	2544228
902.9999	671103.8	-45.1069	6.798889	15136183	-1.5E+07	2540257
903.1999	671119.8	-45.0992	6.788208	15138576	-1.5E+07	2536286
903.3999	671135.8	-45.0915	6.777526	15140968	-1.5E+07	2532315
903.5999	671151.9	-45.0838	6.766843	15143359	-1.5E+07	2528344
903.7999	671167.9	-45.076	6.756161	15145749	-1.5E+07	2524373

903.9999	671184	-45.0683	6.745479	15148139	-1.5E+07	2520401
904.1999	671200.1	-45.0606	6.734796	15150528	-1.5E+07	2516430
904.3999	671216.2	-45.0529	6.724114	15152916	-1.5E+07	2512458
904.5999	671232.3	-45.0452	6.713431	15155303	-1.5E+07	2508487
904.7999	671248.5	-45.0374	6.702748	15157689	-1.5E+07	2504515
904.9999	671264.6	-45.0297	6.692065	15160075	-1.5E+07	2500543
905.1999	671280.7	-45.022	6.681382	15162459	-1.5E+07	2496570
905.3999	671296.9	-45.0143	6.670698	15164843	-1.5E+07	2492598
905.5999	671313.1	-45.0066	6.660015	15167227	-1.5E+07	2488625
905.7999	671329.3	-44.9988	6.649331	15169609	-1.5E+07	2484653
905.9999	671345.5	-44.9911	6.638647	15171990	-1.5E+07	2480680
906.1999	671361.7	-44.9834	6.627963	15174371	-1.5E+07	2476707
906.3999	671377.9	-44.9757	6.617279	15176751	-1.5E+07	2472734
906.5999	671394.1	-44.968	6.606595	15179130	-1.5E+07	2468761
906.7999	671410.4	-44.9603	6.595911	15181509	-1.5E+07	2464788
906.9999	671426.6	-44.9526	6.585227	15183886	-1.5E+07	2460814
907.1999	671442.9	-44.9448	6.574542	15186263	-1.5E+07	2456841
907.3999	671459.2	-44.9371	6.563857	15188639	-1.5E+07	2452867
907.5999	671475.5	-44.9294	6.553173	15191014	-1.5E+07	2448893
907.7999	671491.8	-44.9217	6.542488	15193389	-1.5E+07	2444919
907.9999	671508.1	-44.914	6.531802	15195762	-1.5E+07	2440945
908.1999	671524.4	-44.9063	6.521117	15198135	-1.5E+07	2436970
908.3999	671540.8	-44.8986	6.510432	15200507	-1.5E+07	2432996
908.5999	671557.1	-44.8909	6.499746	15202879	-1.5E+07	2429021
908.7999	671573.5	-44.8831	6.489061	15205249	-1.5E+07	2425047
908.9999	671589.8	-44.8754	6.478375	15207619	-1.5E+07	2421072
909.1999	671606.2	-44.8677	6.467689	15209987	-1.5E+07	2417097
909.3999	671622.6	-44.86	6.457003	15212355	-1.5E+07	2413122
909.5999	671639	-44.8523	6.446317	15214723	-1.5E+07	2409147
909.7999	671655.5	-44.8446	6.435631	15217089	-1.5E+07	2405171
909.9999	671671.9	-44.8369	6.424945	15219455	-1.5E+07	2401196
910.1999	671688.3	-44.8292	6.414258	15221820	-1.5E+07	2397220
910.3999	671704.8	-44.8215	6.403571	15224184	-1.5E+07	2393244
910.5999	671721.3	-44.8138	6.392885	15226547	-1.5E+07	2389268
910.7999	671737.7	-44.806	6.382198	15228909	-1.5E+07	2385292
910.9999	671754.2	-44.7983	6.371511	15231271	-1.5E+07	2381316
911.1999	671770.7	-44.7906	6.360824	15233632	-1.5E+07	2377340
911.3999	671787.3	-44.7829	6.350136	15235992	-1.5E+07	2373363
911.5999	671803.8	-44.7752	6.339449	15238351	-1.5E+07	2369387
911.7999	671820.3	-44.7675	6.328761	15240709	-1.5E+07	2365410
911.9999	671836.9	-44.7598	6.318074	15243067	-1.5E+07	2361433
912.1999	671853.4	-44.7521	6.307386	15245424	-1.5E+07	2357456
912.3999	671870	-44.7444	6.296698	15247780	-1.5E+07	2353479
912.5999	671886.6	-44.7367	6.28601	15250135	-1.5E+07	2349502
912.7999	671903.2	-44.729	6.275322	15252490	-1.5E+07	2345525
912.9999	671919.8	-44.7213	6.264634	15254843	-1.5E+07	2341547
913.1999	671936.4	-44.7136	6.253945	15257196	-1.5E+07	2337569

913.3999	671953.1	-44.7059	6.243257	15259548	-1.5E+07	2333592
913.5999	671969.7	-44.6982	6.232568	15261899	-1.5E+07	2329614
913.7999	671986.4	-44.6905	6.221879	15264250	-1.5E+07	2325636
913.9999	672003.1	-44.6828	6.211119	15266600	-1.5E+07	2321658
914.1999	672019.7	-44.6751	6.200501	15268948	-1.5E+07	2317679
914.3999	672036.4	-44.6674	6.189812	15271296	-1.5E+07	2313701
914.5999	672053.1	-44.6597	6.179123	15273644	-1.5E+07	2309722
914.7999	672069.9	-44.652	6.168433	15275990	-1.5E+07	2305744
914.9999	672086.6	-44.6443	6.157744	15278336	-1.5E+07	2301765
915.1999	672103.3	-44.6366	6.147054	15280681	-1.5E+07	2297786
915.3999	672120.1	-44.6289	6.136364	15283025	-1.5E+07	2293807
915.5999	672136.8	-44.6212	6.125675	15285368	-1.5E+07	2289828
915.7999	672153.6	-44.6135	6.114985	15287710	-1.5E+07	2285848
915.9999	672170.4	-44.6058	6.104294	15290052	-1.5E+07	2281869
916.1999	672187.2	-44.5981	6.093604	15292393	-1.5E+07	2277889
916.3999	672204	-44.5904	6.082914	15294733	-1.5E+07	2273910
916.5999	672220.8	-44.5827	6.072223	15297072	-1.5E+07	2269930
916.7999	672237.7	-44.575	6.061533	15299410	-1.5E+07	2265950
916.9999	672254.5	-44.5673	6.050842	15301748	-1.5E+07	2261970
917.1999	672271.4	-44.5596	6.040151	15304085	-1.5E+07	2257990
917.3999	672288.3	-44.5519	6.02946	15306421	-1.5E+07	2254009
917.5999	672305.1	-44.5442	6.018769	15308756	-1.5E+07	2250029
917.7999	672322	-44.5365	6.008078	15311090	-1.5E+07	2246048
917.9999	672338.9	-44.5288	5.997387	15313424	-1.5E+07	2242067
918.1999	672355.9	-44.5211	5.986695	15315757	-1.5E+07	2238087
918.3999	672372.8	-44.5134	5.976004	15318089	-1.5E+07	2234106
918.5999	672389.7	-44.5057	5.965312	15320420	-1.5E+07	2230125
918.7999	672406.7	-44.498	5.95462	15322750	-1.5E+07	2226143
918.9999	672423.7	-44.4904	5.943928	15325080	-1.5E+07	2222162
919.1999	672440.6	-44.4827	5.933236	15327409	-1.5E+07	2218180
919.3999	672457.6	-44.475	5.922544	15329737	-1.5E+07	2214199
919.5999	672474.6	-44.4673	5.911852	15332064	-1.5E+07	2210217
919.7999	672491.6	-44.4596	5.901159	15334390	-1.5E+07	2206235
919.9999	672508.7	-44.4519	5.890467	15336716	-1.5E+07	2202253
920.1999	672525.7	-44.4442	5.879774	15339041	-1.5E+07	2198271
920.3999	672542.7	-44.4365	5.869082	15341365	-1.5E+07	2194289
920.5999	672559.8	-44.4288	5.858389	15343688	-1.5E+07	2190307
920.7999	672576.9	-44.4211	5.847696	15346010	-1.5E+07	2186324
920.9999	672594	-44.4134	5.837003	15348332	-1.5E+07	2182342
921.1999	672611.1	-44.4058	5.826309	15350652	-1.5E+07	2178359
921.3999	672628.2	-44.3981	5.815616	15352972	-1.5E+07	2174376
921.5999	672645.3	-44.3904	5.804923	15355292	-1.5E+07	2170393
921.7999	672662.4	-44.3827	5.794229	15357610	-1.5E+07	2166410
921.9999	672679.6	-44.375	5.783536	15359927	-1.5E+07	2162427
922.1999	672696.7	-44.3673	5.772842	15362244	-1.5E+07	2158444
922.3999	672713.9	-44.3596	5.762148	15364560	-1.5E+07	2154460
922.5999	672731.1	-44.3519	5.751454	15366875	-1.5E+07	2150477

922.7999	672748.2	-44.3443	5.74076	15369189	-1.5E+07	2146493
922.9999	672765.4	-44.3366	5.730066	15371503	-1.5E+07	2142509
923.1999	672782.7	-44.3289	5.719371	15373816	-1.5E+07	2138525
923.3999	672799.9	-44.3212	5.708677	15376127	-1.5E+07	2134541
923.5999	672817.1	-44.3135	5.697982	15378439	-1.5E+07	2130557
923.7999	672834.4	-44.3058	5.687288	15380749	-1.5E+07	2126573
923.9999	672851.6	-44.2981	5.676593	15383058	-1.5E+07	2122588
924.1999	672868.9	-44.2905	5.665898	15385367	-1.5E+07	2118604
924.3999	672886.2	-44.2828	5.655203	15387675	-1.5E+07	2114619
924.5999	672903.5	-44.2751	5.644508	15389982	-1.5E+07	2110634
924.7999	672920.8	-44.2674	5.633813	15392288	-1.5E+07	2106650
924.9999	672938.1	-44.2597	5.623117	15394594	-1.5E+07	2102665
925.1999	672955.4	-44.252	5.612422	15396898	-1.5E+07	2098680
925.3999	672972.8	-44.2444	5.601726	15399202	-1.5E+07	2094694
925.5999	672990.1	-44.2367	5.591031	15401505	-1.5E+07	2090709
925.7999	673007.5	-44.229	5.580335	15403807	-1.5E+07	2086723
925.9999	673024.9	-44.2213	5.569639	15406109	-1.5E+07	2082738
926.1999	673042.3	-44.2136	5.558943	15408409	-1.5E+07	2078752
926.3999	673059.7	-44.206	5.548247	15410709	-1.5E+07	2074766
926.5999	673077.1	-44.1983	5.537551	15413008	-1.5E+07	2070781
926.7999	673094.5	-44.1906	5.526855	15415306	-1.5E+07	2066795
926.9999	673112	-44.1829	5.516159	15417603	-1.5E+07	2062809
927.1999	673129.4	-44.1752	5.505462	15419900	-1.5E+07	2058822
927.3999	673146.9	-44.1676	5.494766	15422196	-1.5E+07	2054836
927.5999	673164.3	-44.1599	5.48407	15424491	-1.5E+07	2050850
927.7999	673181.8	-44.1522	5.473373	15426785	-1.5E+07	2046863
927.9999	673199.3	-44.1445	5.462676	15429078	-1.5E+07	2042876
928.1999	673216.8	-44.1368	5.451979	15431371	-1.5E+07	2038890
928.3999	673234.3	-44.1292	5.441283	15433662	-1.5E+07	2034903
928.5999	673251.9	-44.1215	5.430586	15435953	-1.5E+07	2030916
928.7999	673269.4	-44.1138	5.419889	15438243	-1.5E+07	2026929
928.9999	673286.9	-44.1061	5.409191	15440532	-1.5E+07	2022942
929.1999	673304.5	-44.0985	5.398494	15442821	-1.5E+07	2018954
929.3999	673322.1	-44.0908	5.387797	15445109	-1.5E+07	2014967
929.5999	673339.7	-44.0831	5.377099	15447395	-1.5E+07	2010979
929.7999	673357.3	-44.0754	5.366402	15449681	-1.5E+07	2006992
929.9999	673374.9	-44.0678	5.355704	15451967	-1.5E+07	2003004
930.1999	673392.5	-44.0601	5.345006	15454251	-1.5E+07	1999016
930.3999	673410.1	-44.0524	5.334308	15456535	-1.5E+07	1995028
930.5999	673427.8	-44.0447	5.32361	15458817	-1.5E+07	1991040
930.7999	673445.4	-44.0371	5.312912	15461099	-1.5E+07	1987052
930.9999	673463.1	-44.0294	5.302214	15463381	-1.5E+07	1983063
931.1999	673480.8	-44.0217	5.291516	15465661	-1.5E+07	1979075
931.3999	673498.5	-44.014	5.280817	15467940	-1.5E+07	1975086
931.5999	673516.2	-44.0064	5.270119	15470219	-1.5E+07	1971098
931.7999	673533.9	-43.9987	5.25942	15472497	-1.5E+07	1967109
931.9999	673551.6	-43.991	5.248721	15474774	-1.5E+07	1963120

932.1999	673569.3	-43.9834	5.238022	15477051	-1.5E+07	1959131
932.3999	673587.1	-43.9757	5.227324	15479326	-1.5E+07	1955142
932.5999	673604.8	-43.968	5.216624	15481601	-1.5E+07	1951153
932.7999	673622.6	-43.9603	5.205925	15483875	-1.5E+07	1947163
932.9999	673640.4	-43.9527	5.195226	15486148	-1.5E+07	1943174
933.1999	673658.2	-43.945	5.184527	15488420	-1.5E+07	1939184
933.3999	673676	-43.9373	5.173827	15490691	-1.5E+07	1935195
933.5999	673693.8	-43.9297	5.163128	15492962	-1.5E+07	1931205
933.7999	673711.7	-43.922	5.152428	15495232	-1.5E+07	1927215
933.9999	673729.5	-43.9143	5.141729	15497501	-1.5E+07	1923225
934.1999	673747.3	-43.9067	5.131029	15499769	-1.5E+07	1919235
934.3999	673765.2	-43.899	5.120329	15502036	-1.5E+07	1915245
934.5999	673783.1	-43.8913	5.109629	15504303	-1.5E+07	1911255
934.7999	673801	-43.8837	5.098929	15506569	-1.5E+07	1907264
934.9999	673818.9	-43.876	5.088229	15508834	-1.5E+07	1903274
935.1999	673836.8	-43.8683	5.077528	15511098	-1.5E+07	1899283
935.3999	673854.7	-43.8607	5.066828	15513361	-1.5E+07	1895292
935.5999	673872.7	-43.853	5.056127	15515624	-1.5E+07	1891302
935.7999	673890.6	-43.8453	5.045427	15517885	-1.5E+07	1887311
935.9999	673908.6	-43.8377	5.034726	15520146	-1.5E+07	1883320
936.1999	673926.5	-43.83	5.024025	15522406	-1.5E+07	1879328
936.3999	673944.5	-43.8223	5.013325	15524666	-1.5E+07	1875337
936.5999	673962.5	-43.8147	5.002624	15526924	-1.5E+07	1871346
936.7999	673980.5	-43.807	4.991923	15529182	-1.5E+07	1867354
936.9999	673998.5	-43.7993	4.981221	15531438	-1.5E+07	1863363
937.1999	674016.6	-43.7917	4.97052	15533694	-1.5E+07	1859371
937.3999	674034.6	-43.784	4.959819	15535950	-1.5E+07	1855379
937.5999	674052.7	-43.7763	4.949117	15538204	-1.5E+07	1851388
937.7999	674070.7	-43.7687	4.938416	15540458	-1.5E+07	1847396
937.9999	674088.8	-43.761	4.927714	15542710	-1.5E+07	1843403
938.1999	674106.9	-43.7534	4.917013	15544962	-1.5E+07	1839411
938.3999	674125	-43.7457	4.906311	15547213	-1.5E+07	1835419
938.5999	674143.1	-43.738	4.895609	15549464	-1.5E+07	1831427
938.7999	674161.2	-43.7304	4.884907	15551713	-1.5E+07	1827434
938.9999	674179.4	-43.7227	4.874205	15553962	-1.5E+07	1823442
939.1999	674197.5	-43.715	4.863503	15556210	-1.5E+07	1819449
939.3999	674215.7	-43.7074	4.8528	15558457	-1.5E+07	1815456
939.5999	674233.9	-43.6997	4.842098	15560703	-1.5E+07	1811463
939.7999	674252	-43.6921	4.831396	15562949	-1.5E+07	1807470
939.9999	674270.2	-43.6844	4.820693	15565193	-1.5E+07	1803477
940.1999	674288.4	-43.6767	4.809991	15567437	-1.5E+07	1799484
940.3999	674306.7	-43.6691	4.799288	15569680	-1.5E+07	1795491
940.5999	674324.9	-43.6614	4.788585	15571922	-1.5E+07	1791497
940.7999	674343.1	-43.6538	4.777882	15574164	-1.5E+07	1787504
940.9999	674361.4	-43.6461	4.767179	15576404	-1.5E+07	1783510
941.1999	674379.6	-43.6384	4.756476	15578644	-1.5E+07	1779516
941.3999	674397.9	-43.6308	4.745773	15580883	-1.5E+07	1775522

941.5999	674416.2	-43.6231	4.73507	15583121	-1.5E+07	1771529
941.7999	674434.5	-43.6155	4.724366	15585358	-1.5E+07	1767535
941.9999	674452.8	-43.6078	4.713663	15587595	-1.5E+07	1763540
942.1999	674471.1	-43.6002	4.702959	15589830	-1.5E+07	1759546
942.3999	674489.5	-43.5925	4.692256	15592065	-1.5E+07	1755552
942.5999	674507.8	-43.5848	4.681552	15594299	-1.5E+07	1751558
942.7999	674526.2	-43.5772	4.670848	15596532	-1.5E+07	1747563
942.9999	674544.5	-43.5695	4.660145	15598765	-1.5E+07	1743568
943.1999	674562.9	-43.5619	4.649441	15600996	-1.5E+07	1739574
943.3999	674581.3	-43.5542	4.638737	15603227	-1.5E+07	1735579
943.5999	674599.7	-43.5466	4.628033	15605457	-1.5E+07	1731584
943.7999	674618.1	-43.5389	4.617328	15607686	-1.5E+07	1727589
943.9999	674636.5	-43.5313	4.606624	15609915	-1.5E+07	1723594
944.1999	674655	-43.5236	4.59592	15612142	-1.5E+07	1719599
944.3999	674673.4	-43.516	4.585216	15614369	-1.5E+07	1715604
944.5999	674691.9	-43.5083	4.574511	15616595	-1.5E+07	1711608
944.7999	674710.4	-43.5006	4.563807	15618820	-1.5E+07	1707613
944.9999	674728.8	-43.493	4.553102	15621044	-1.5E+07	1703617
945.1999	674747.3	-43.4853	4.542398	15623267	-1.5E+07	1699622
945.3999	674765.8	-43.4777	4.531693	15625490	-1.5E+07	1695626
945.5999	674784.3	-43.47	4.520988	15627712	-1.5E+07	1691630
945.7999	674802.9	-43.4624	4.510283	15629932	-1.5E+07	1687635
945.9999	674821.4	-43.4547	4.499579	15632153	-1.5E+07	1683639
946.1999	674840	-43.4471	4.488874	15634372	-1.5E+07	1679643
946.3999	674858.5	-43.4394	4.478169	15636590	-1.5E+07	1675646
946.5999	674877.1	-43.4318	4.467464	15638808	-1.5E+07	1671650
946.7999	674895.7	-43.4241	4.456759	15641025	-1.5E+07	1667654
946.9999	674914.3	-43.4165	4.446053	15643241	-1.5E+07	1663658
947.1999	674932.9	-43.4088	4.435348	15645456	-1.5E+07	1659661
947.3999	674951.5	-43.4012	4.424643	15647670	-1.5E+07	1655664
947.5999	674970.1	-43.3935	4.413937	15649884	-1.5E+07	1651668
947.7999	674988.8	-43.3859	4.403232	15652097	-1.5E+07	1647671
947.9999	675007.4	-43.3782	4.392526	15654309	-1.5E+07	1643674
948.1999	675026.1	-43.3706	4.38182	15656520	-1.5E+07	1639677
948.3999	675044.8	-43.3629	4.371115	15658730	-1.5E+07	1635680
948.5999	675063.4	-43.3553	4.360409	15660940	-1.5E+07	1631683
948.7999	675082.1	-43.3476	4.349703	15663148	-1.5E+07	1627686
948.9999	675100.8	-43.34	4.338997	15665356	-1.5E+07	1623688
949.1999	675119.6	-43.3323	4.328291	15667563	-1.5E+07	1619691
949.3999	675138.3	-43.3247	4.317585	15669769	-1.5E+07	1615694
949.5999	675157.1	-43.317	4.306878	15671975	-1.5E+07	1611696
949.7999	675175.8	-43.3094	4.296172	15674179	-1.5E+07	1607698
949.9999	675194.6	-43.3018	4.285466	15676383	-1.5E+07	1603701
950.1999	675213.4	-43.2941	4.274759	15678586	-1.5E+07	1599703
950.3999	675232.1	-43.2865	4.264053	15680788	-1.5E+07	1595705
950.5999	675250.9	-43.2788	4.253346	15682989	-1.5E+07	1591707
950.7999	675269.8	-43.2712	4.242639	15685190	-1.5E+07	1587709

950.9999	675288.6	-43.2635	4.231932	15687389	-1.5E+07	1583710
951.1999	675307.4	-43.2559	4.221226	15689588	-1.5E+07	1579712
951.3999	675326.3	-43.2482	4.210519	15691786	-1.5E+07	1575714
951.5999	675345.1	-43.2406	4.199812	15693983	-1.5E+07	1571715
951.7999	675364	-43.2329	4.189105	15696180	-1.5E+07	1567717
951.9999	675382.9	-43.2253	4.178397	15698375	-1.5E+07	1563718
952.1999	675401.8	-43.2177	4.16769	15700570	-1.5E+07	1559719
952.3999	675420.7	-43.21	4.156983	15702764	-1.5E+07	1555720
952.5999	675439.6	-43.2024	4.146275	15704957	-1.5E+07	1551721
952.7999	675458.5	-43.1947	4.135568	15707149	-1.5E+07	1547722
952.9999	675477.5	-43.1871	4.12486	15709341	-1.5E+07	1543723
953.1999	675496.4	-43.1794	4.114153	15711531	-1.5E+07	1539724
953.3999	675515.4	-43.1718	4.103445	15713721	-1.5E+07	1535725
953.5999	675534.4	-43.1642	4.092737	15715910	-1.5E+07	1531725
953.7999	675553.4	-43.1565	4.08203	15718098	-1.5E+07	1527726
953.9999	675572.4	-43.1489	4.071322	15720286	-1.5E+07	1523727
954.1999	675591.4	-43.1412	4.060614	15722472	-1.5E+07	1519727
954.3999	675610.4	-43.1336	4.049906	15724658	-1.5E+07	1515727
954.5999	675629.4	-43.126	4.039198	15726843	-1.5E+07	1511727
954.7999	675648.5	-43.1183	4.028489	15729027	-1.5E+07	1507728
954.9999	675667.5	-43.1107	4.017781	15731210	-1.5E+07	1503728
955.1999	675686.6	-43.103	4.007073	15733392	-1.5E+07	1499728
955.3999	675705.7	-43.0954	3.996364	15735574	-1.5E+07	1495727
955.5999	675724.8	-43.0877	3.985656	15737755	-1.5E+07	1491727
955.7999	675743.9	-43.0801	3.974947	15739935	-1.5E+07	1487727
955.9999	675763	-43.0725	3.964239	15742114	-1.5E+07	1483727
956.1999	675782.1	-43.0648	3.95353	15744292	-1.5E+07	1479726
956.3999	675801.2	-43.0572	3.942821	15746470	-1.5E+07	1475726
956.5999	675820.4	-43.0496	3.932112	15748646	-1.5E+07	1471725
956.7999	675839.6	-43.0419	3.921404	15750822	-1.5E+07	1467724
956.9999	675858.7	-43.0343	3.910695	15752997	-1.5E+07	1463723
957.1999	675877.9	-43.0266	3.899986	15755171	-1.5E+07	1459723
957.3999	675897.1	-43.019	3.889277	15757345	-1.5E+07	1455722
957.5999	675916.3	-43.0114	3.878567	15759517	-1.5E+07	1451721
957.7999	675935.5	-43.0037	3.867858	15761689	-1.5E+07	1447720
957.9999	675954.8	-42.9961	3.857149	15763860	-1.5E+07	1443718
958.1999	675974	-42.9885	3.846439	15766030	-1.5E+07	1439717
958.3999	675993.3	-42.9808	3.83573	15768199	-1.5E+07	1435716
958.5999	676012.5	-42.9732	3.825021	15770368	-1.5E+07	1431714
958.7999	676031.8	-42.9655	3.814311	15772535	-1.5E+07	1427713
958.9999	676051.1	-42.9579	3.803601	15774702	-1.5E+07	1423711
959.1999	676070.4	-42.9503	3.792892	15776868	-1.5E+07	1419709
959.3999	676089.7	-42.9426	3.782182	15779033	-1.5E+07	1415708
959.5999	676109	-42.935	3.771472	15781197	-1.5E+07	1411706
959.7999	676128.3	-42.9274	3.760762	15783361	-1.5E+07	1407704
959.9999	676147.7	-42.9197	3.750052	15785524	-1.5E+07	1403702
960.1999	676167	-42.9121	3.739342	15787685	-1.5E+07	1399700

960.3999	676186.4	-42.9045	3.728632	15789846	-1.5E+07	1395698
960.5999	676205.8	-42.8968	3.717922	15792007	-1.5E+07	1391696
960.7999	676225.2	-42.8892	3.707212	15794166	-1.5E+07	1387693
960.9999	676244.6	-42.8816	3.696502	15796324	-1.5E+07	1383691
961.1999	676264	-42.8739	3.685791	15798482	-1.5E+07	1379688
961.3999	676283.4	-42.8663	3.675081	15800639	-1.5E+07	1375686
961.5999	676302.9	-42.8587	3.66437	15802795	-1.5E+07	1371683
961.7999	676322.3	-42.851	3.65366	15804950	-1.5E+07	1367681
961.9999	676341.8	-42.8434	3.642949	15807105	-1.5E+07	1363678
962.1999	676361.2	-42.8358	3.632239	15809258	-1.5E+07	1359675
962.3999	676380.7	-42.8281	3.621528	15811411	-1.5E+07	1355672
962.5999	676400.2	-42.8205	3.610817	15813563	-1.5E+07	1351669
962.7999	676419.7	-42.8129	3.600106	15815714	-1.5E+07	1347666
962.9999	676439.2	-42.8052	3.589395	15817865	-1.5E+07	1343663
963.1999	676458.8	-42.7976	3.578684	15820014	-1.5E+07	1339660
963.3999	676478.3	-42.79	3.567973	15822163	-1.5E+07	1335656
963.5999	676497.9	-42.7823	3.557262	15824310	-1.5E+07	1331653
963.7999	676517.4	-42.7747	3.546551	15826457	-1.5E+07	1327650
963.9999	676537	-42.7671	3.53584	15828604	-1.5E+07	1323646
964.1999	676556.6	-42.7595	3.525129	15830749	-1.5E+07	1319642
964.3999	676576.2	-42.7518	3.514418	15832893	-1.5E+07	1315639
964.5999	676595.8	-42.7442	3.503706	15835037	-1.5E+07	1311635
964.7999	676615.4	-42.7366	3.492995	15837180	-1.5E+07	1307631
964.9999	676635	-42.7289	3.482283	15839322	-1.5E+07	1303627
965.1999	676654.7	-42.7213	3.471572	15841463	-1.5E+07	1299623
965.3999	676674.3	-42.7137	3.46086	15843604	-1.5E+07	1295619
965.5999	676694	-42.706	3.450148	15845743	-1.5E+07	1291615
965.7999	676713.7	-42.6984	3.439437	15847882	-1.5E+07	1287611
965.9999	676733.4	-42.6908	3.428725	15850020	-1.5E+07	1283607
966.1999	676753.1	-42.6832	3.418013	15852157	-1.5E+07	1279602
966.3999	676772.8	-42.6755	3.407301	15854293	-1.5E+07	1275598
966.5999	676792.5	-42.6679	3.396589	15856428	-1.5E+07	1271594
966.7999	676812.2	-42.6603	3.385877	15858563	-1.5E+07	1267589
966.9999	676832	-42.6527	3.375165	15860697	-1.5E+07	1263584
967.1999	676851.8	-42.645	3.364453	15862830	-1.5E+07	1259580
967.3999	676871.5	-42.6374	3.353741	15864962	-1.5E+07	1255575
967.5999	676891.3	-42.6298	3.343029	15867093	-1.5E+07	1251570
967.7999	676911.1	-42.6221	3.332317	15869224	-1.5E+07	1247565
967.9999	676931	-42.6145	3.321604	15871353	-1.5E+07	1243560
968.1999	676950.8	-42.6069	3.310892	15873482	-1.5E+07	1239555
968.3999	676970.6	-42.5993	3.300179	15875610	-1.5E+07	1235550
968.5999	676990.5	-42.5916	3.289467	15877737	-1.5E+07	1231545
968.7999	677010.3	-42.584	3.278754	15879864	-1.5E+07	1227540
968.9999	677030.2	-42.5764	3.268042	15881989	-1.5E+07	1223535
969.1999	677050.1	-42.5688	3.257329	15884114	-1.5E+07	1219529
969.3999	677070	-42.5611	3.246617	15886237	-1.5E+07	1215524
969.5999	677089.9	-42.5535	3.235904	15888360	-1.5E+07	1211518

969.7999	677109.8	-42.5459	3.225191	15890483	-1.5E+07	1207513
969.9999	677129.7	-42.5383	3.214478	15892604	-1.5E+07	1203507
970.1999	677149.7	-42.5306	3.203765	15894724	-1.5E+07	1199501
970.3999	677169.6	-42.523	3.193052	15896844	-1.5E+07	1195496
970.5999	677189.6	-42.5154	3.182339	15898963	-1.5E+07	1191490
970.7999	677209.5	-42.5078	3.171626	15901081	-1.5E+07	1187484
970.9999	677229.5	-42.5001	3.160913	15903198	-1.5E+07	1183478
971.1999	677249.5	-42.4925	3.1502	15905314	-1.5E+07	1179472
971.3999	677269.5	-42.4849	3.139487	15907430	-1.5E+07	1175466
971.5999	677289.5	-42.4773	3.128774	15909545	-1.5E+07	1171460
971.7999	677309.5	-42.4697	3.118061	15911658	-1.5E+07	1167453
971.9999	677329.6	-42.462	3.107348	15913771	-1.5E+07	1163447
972.1999	677349.6	-42.4544	3.096634	15915884	-1.5E+07	1159441
972.3999	677369.7	-42.4468	3.085921	15917995	-1.5E+07	1155434
972.5999	677389.8	-42.4392	3.075208	15920105	-1.5E+07	1151428
972.7999	677409.8	-42.4315	3.064494	15922215	-1.5E+07	1147421
972.9999	677429.9	-42.4239	3.053781	15924324	-1.5E+07	1143415
973.1999	677450	-42.4163	3.043067	15926432	-1.5E+07	1139408
973.3999	677470.1	-42.4087	3.032354	15928539	-1.5E+07	1135401
973.5999	677490.3	-42.4011	3.02164	15930645	-1.5E+07	1131395
973.7999	677510.4	-42.3934	3.010926	15932751	-1.5E+07	1127388
973.9999	677530.6	-42.3858	3.000212	15934856	-1.5E+07	1123381
974.1999	677550.7	-42.3782	2.989499	15936959	-1.5E+07	1119374
974.3999	677570.9	-42.3706	2.978785	15939062	-1.5E+07	1115367
974.5999	677591.1	-42.363	2.968071	15941165	-1.5E+07	1111360
974.7999	677611.3	-42.3553	2.957357	15943266	-1.5E+07	1107353
974.9999	677631.5	-42.3477	2.946643	15945367	-1.5E+07	1103346
975.1999	677651.7	-42.3401	2.935929	15947466	-1.5E+07	1099338
975.3999	677671.9	-42.3325	2.925215	15949565	-1.5E+07	1095331
975.5999	677692.1	-42.3249	2.914501	15951663	-1.5E+07	1091324
975.7999	677712.4	-42.3172	2.903787	15953760	-1.5E+07	1087316
975.9999	677732.7	-42.3096	2.893073	15955857	-1.5E+07	1083309
976.1999	677752.9	-42.302	2.882359	15957952	-1.5E+07	1079301
976.3999	677773.2	-42.2944	2.871644	15960047	-1.5E+07	1075293
976.5999	677793.5	-42.2868	2.86093	15962141	-1.5E+07	1071286
976.7999	677813.8	-42.2792	2.850216	15964234	-1.5E+07	1067278
976.9999	677834.1	-42.2715	2.839501	15966326	-1.5E+07	1063270
977.1999	677854.4	-42.2639	2.828787	15968417	-1.5E+07	1059262
977.3999	677874.8	-42.2563	2.818072	15970508	-1.5E+07	1055254
977.5999	677895.1	-42.2487	2.807358	15972598	-1.5E+07	1051246
977.7999	677915.5	-42.2411	2.796643	15974687	-1.5E+07	1047238
977.9999	677935.9	-42.2335	2.785929	15976775	-1.5E+07	1043230
978.1999	677956.2	-42.2258	2.775214	15978862	-1.5E+07	1039222
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978.7999	678017.5	-42.203	2.74307	15985119	-1.4E+07	1027197
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979.1999	678058.3	-42.1878	2.72164	15989285	-1.4E+07	1019180
979.3999	678078.8	-42.1801	2.710925	15991368	-1.4E+07	1015172
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979.7999	678119.7	-42.1649	2.689496	15995530	-1.4E+07	1007154
979.9999	678140.2	-42.1573	2.678781	15997609	-1.4E+07	1003146
980.1999	678160.7	-42.1497	2.668066	15999688	-1.4E+07	999136.9
980.3999	678181.2	-42.1421	2.657351	16001766	-1.4E+07	995128.1
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980.9999	678242.8	-42.1192	2.625205	16007995	-1.4E+07	983101.4
981.1999	678263.3	-42.1116	2.61449	16010070	-1.4E+07	979092.3
981.3999	678283.9	-42.104	2.603775	16012144	-1.4E+07	975083.3
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981.7999	678325.1	-42.0888	2.582344	16016289	-1.4E+07	967064.9
981.9999	678345.6	-42.0812	2.571629	16018361	-1.4E+07	963055.7
982.1999	678366.3	-42.0735	2.560913	16020431	-1.4E+07	959046.4
982.3999	678386.9	-42.0659	2.550198	16022501	-1.4E+07	955037.1
982.5999	678407.5	-42.0583	2.539482	16024570	-1.4E+07	951027.7
982.7999	678428.1	-42.0507	2.528767	16026638	-1.4E+07	947018.2
982.9999	678448.8	-42.0431	2.518051	16028705	-1.4E+07	943008.7
983.1999	678469.5	-42.0355	2.507336	16030771	-1.4E+07	938999.1
983.3999	678490.1	-42.0279	2.49662	16032837	-1.4E+07	934989.5
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983.7999	678531.5	-42.0126	2.475189	16036966	-1.4E+07	926970.1
983.9999	678552.2	-42.005	2.464473	16039029	-1.4E+07	922960.4
984.1999	678573	-41.9974	2.453757	16041091	-1.4E+07	918950.6
984.3999	678593.7	-41.9898	2.443041	16043152	-1.4E+07	914940.7
984.5999	678614.4	-41.9822	2.432326	16045213	-1.4E+07	910930.8
984.7999	678635.2	-41.9746	2.42161	16047272	-1.4E+07	906920.8
984.9999	678655.9	-41.967	2.410894	16049331	-1.4E+07	902910.8
985.1999	678676.7	-41.9594	2.400178	16051389	-1.4E+07	898900.7
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985.7999	678739.1	-41.9365	2.36803	16057558	-1.4E+07	886870.2
985.9999	678759.9	-41.9289	2.357314	16059613	-1.4E+07	882859.9
986.1999	678780.8	-41.9213	2.346598	16061667	-1.4E+07	878849.6
986.3999	678801.6	-41.9137	2.335882	16063720	-1.4E+07	874839.2
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986.7999	678843.3	-41.8985	2.314449	16067823	-1.4E+07	866818.3
986.9999	678864.2	-41.8909	2.303733	16069874	-1.4E+07	862807.8
987.1999	678885.1	-41.8833	2.293017	16071923	-1.4E+07	858797.2
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987.7999	678947.8	-41.8604	2.260868	16078067	-1.4E+07	846765.2
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988.1999	678989.7	-41.8452	2.239435	16082159	-1.4E+07	838743.7
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988.9999	679073.6	-41.8148	2.196569	16090333	-1.4E+07	822700
989.1999	679094.6	-41.8072	2.185853	16092374	-1.4E+07	818689
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989.7999	679157.7	-41.7843	2.153703	16098493	-1.4E+07	806655.6
989.9999	679178.7	-41.7767	2.142987	16100531	-1.4E+07	802644.4
990.1999	679199.8	-41.7691	2.13227	16102568	-1.4E+07	798633.1
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990.7999	679263	-41.7463	2.10012	16108674	-1.4E+07	786599.1
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991.1999	679305.2	-41.7311	2.078686	16112741	-1.4E+07	778576.1
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991.7999	679368.6	-41.7083	2.046536	16118834	-1.4E+07	766541.4
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992.7999	679474.6	-41.6702	1.992951	16128974	-1.4E+07	746482.7
992.9999	679495.8	-41.6626	1.982234	16130999	-1.4E+07	742470.8
993.1999	679517	-41.655	1.971517	16133024	-1.4E+07	738458.9
993.3999	679538.2	-41.6474	1.9608	16135047	-1.4E+07	734447
993.5999	679559.5	-41.6398	1.950083	16137070	-1.4E+07	730435
993.7999	679580.7	-41.6322	1.939366	16139092	-1.4E+07	726423
993.9999	679602	-41.6246	1.928649	16141113	-1.4E+07	722410.9
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995.9999	679815.4	-41.5486	1.821476	16161279	-1.4E+07	682288
996.1999	679836.8	-41.541	1.810759	16163291	-1.4E+07	678275.5
996.3999	679858.2	-41.5333	1.800042	16165302	-1.4E+07	674262.9
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998.1999	680051.3	-41.4649	1.703585	16183364	-1.4E+07	638148.4
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998.9999	680137.5	-41.4345	1.660715	16191369	-1.4E+07	622096.5
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999.7999	680223.8	-41.4041	1.617844	16199361	-1.4E+07	606044.1
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1000.2	680267	-41.3889	1.596409	16203352	-1.4E+07	598017.7
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1000.8	680332	-41.3661	1.564256	16209333	-1.4E+07	585977.9
1001	680353.6	-41.3585	1.553538	16211324	-1.4E+07	581964.5
1001.2	680375.3	-41.3509	1.54282	16213315	-1.4E+07	577951.1
1001.4	680397	-41.3433	1.532103	16215305	-1.4E+07	573937.7
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1001.8	680440.4	-41.3281	1.510667	16219283	-1.4E+07	565910.8
1002	680462.1	-41.3205	1.499949	16221270	-1.4E+07	561897.3
1002.2	680483.9	-41.3129	1.489232	16223257	-1.4E+07	557883.7
1002.4	680505.6	-41.3053	1.478514	16225243	-1.4E+07	553870.2
1002.6	680527.4	-41.2977	1.467796	16227228	-1.4E+07	549856.6
1002.8	680549.1	-41.2901	1.457078	16229212	-1.4E+07	545842.9
1003	680570.9	-41.2825	1.44636	16231195	-1.4E+07	541829.3
1003.2	680592.7	-41.2749	1.435643	16233178	-1.4E+07	537815.6
1003.4	680614.5	-41.2673	1.424925	16235159	-1.4E+07	533801.8
1003.6	680636.3	-41.2597	1.414207	16237140	-1.4E+07	529788.1
1003.8	680658.1	-41.2521	1.403489	16239120	-1.4E+07	525774.3
1004	680680	-41.2445	1.392771	16241099	-1.4E+07	521760.5
1004.2	680701.8	-41.2369	1.382053	16243077	-1.4E+07	517746.6
1004.4	680723.7	-41.2293	1.371335	16245054	-1.4E+07	513732.8
1004.6	680745.5	-41.2217	1.360617	16247031	-1.4E+07	509718.9
1004.8	680767.4	-41.2141	1.3499	16249007	-1.4E+07	505704.9
1005	680789.3	-41.2065	1.339182	16250982	-1.4E+07	501691
1005.2	680811.2	-41.1989	1.328464	16252956	-1.4E+07	497677
1005.4	680833.1	-41.1913	1.317746	16254929	-1.4E+07	493663
1005.6	680855	-41.1837	1.307028	16256901	-1.4E+07	489648.9
1005.8	680877	-41.1761	1.29631	16258873	-1.4E+07	485634.9
1006	680898.9	-41.1685	1.285592	16260843	-1.4E+07	481620.8
1006.2	680920.9	-41.1609	1.274874	16262813	-1.4E+07	477606.6
1006.4	680942.8	-41.1533	1.264156	16264782	-1.4E+07	473592.5
1006.6	680964.8	-41.1457	1.253438	16266750	-1.4E+07	469578.3
1006.8	680986.8	-41.1381	1.24272	16268717	-1.4E+07	465564.1
1007	681008.8	-41.1305	1.232002	16270684	-1.4E+07	461549.9
1007.2	681030.8	-41.1229	1.221284	16272649	-1.4E+07	457535.6

1007.4	681052.8	-41.1153	1.210566	16274614	-1.4E+07	453521.3
1007.6	681074.9	-41.1077	1.199848	16276578	-1.4E+07	449507
1007.8	681096.9	-41.1001	1.18913	16278541	-1.4E+07	445492.7
1008	681119	-41.0925	1.178412	16280503	-1.4E+07	441478.4
1008.2	681141.1	-41.0849	1.167694	16282464	-1.4E+07	437464
1008.4	681163.1	-41.0773	1.156976	16284425	-1.4E+07	433449.6
1008.6	681185.2	-41.0697	1.146258	16286384	-1.4E+07	429435.1
1008.8	681207.3	-41.0621	1.13554	16288343	-1.4E+07	425420.7
1009	681229.5	-41.0545	1.124822	16290301	-1.4E+07	421406.2
1009.2	681251.6	-41.0469	1.114104	16292258	-1.4E+07	417391.7
1009.4	681273.7	-41.0393	1.103386	16294214	-1.4E+07	413377.2
1009.6	681295.9	-41.0317	1.092668	16296170	-1.4E+07	409362.6
1009.8	681318	-41.0241	1.08195	16298124	-1.4E+07	405348.1
1010	681340.2	-41.0165	1.071232	16300078	-1.4E+07	401333.5
1010.2	681362.4	-41.0089	1.060514	16302031	-1.4E+07	397318.9
1010.4	681384.6	-41.0013	1.049796	16303983	-1.4E+07	393304.2
1010.6	681406.8	-40.9937	1.039078	16305934	-1.4E+07	389289.6
1010.8	681429	-40.9861	1.02836	16307885	-1.4E+07	385274.9
1011	681451.2	-40.9785	1.017642	16309834	-1.4E+07	381260.2
1011.2	681473.5	-40.9709	1.006924	16311783	-1.4E+07	377245.5
1011.4	681495.7	-40.9634	0.996206	16313730	-1.4E+07	373230.7
1011.6	681518	-40.9558	0.985487	16315677	-1.4E+07	369216
1011.8	681540.2	-40.9482	0.974769	16317623	-1.4E+07	365201.2
1012	681562.5	-40.9406	0.964051	16319569	-1.4E+07	361186.4
1012.2	681584.8	-40.933	0.953333	16321513	-1.4E+07	357171.5
1012.4	681607.1	-40.9254	0.942615	16323457	-1.4E+07	353156.7
1012.6	681629.4	-40.9178	0.931897	16325399	-1.4E+07	349141.8
1012.8	681651.8	-40.9102	0.921179	16327341	-1.4E+07	345126.9
1013	681674.1	-40.9026	0.910461	16329282	-1.4E+07	341112
1013.2	681696.4	-40.895	0.899743	16331222	-1.4E+07	337097.1
1013.4	681718.8	-40.8874	0.889025	16333162	-1.4E+07	333082.2
1013.6	681741.2	-40.8798	0.878307	16335100	-1.4E+07	329067.2
1013.8	681763.6	-40.8722	0.867589	16337038	-1.4E+07	325052.2
1014	681786	-40.8646	0.856871	16338975	-1.4E+07	321037.2
1014.2	681808.4	-40.857	0.846153	16340910	-1.4E+07	317022.2
1014.4	681830.8	-40.8494	0.835435	16342846	-1.4E+07	313007.2
1014.6	681853.2	-40.8418	0.824717	16344780	-1.4E+07	308992.1
1014.8	681875.6	-40.8342	0.813999	16346713	-1.4E+07	304977.1
1015	681898.1	-40.8266	0.803281	16348646	-1.4E+07	300962
1015.2	681920.6	-40.819	0.792563	16350577	-1.4E+07	296946.9
1015.4	681943	-40.8114	0.781845	16352508	-1.4E+07	292931.8
1015.6	681965.5	-40.8038	0.771127	16354438	-1.4E+07	288916.6
1015.8	681988	-40.7962	0.760409	16356367	-1.4E+07	284901.5
1016	682010.5	-40.7886	0.749691	16358296	-1.4E+07	280886.3
1016.2	682033	-40.7811	0.738973	16360223	-1.4E+07	276871.1
1016.4	682055.6	-40.7735	0.728255	16362150	-1.4E+07	272855.9
1016.6	682078.1	-40.7659	0.717537	16364075	-1.4E+07	268840.7

1016.8	682100.7	-40.7583	0.706819	16366000	-1.4E+07	264825.5
1017	682123.2	-40.7507	0.696101	16367924	-1.4E+07	260810.3
1017.2	682145.8	-40.7431	0.685384	16369847	-1.4E+07	256795
1017.4	682168.4	-40.7355	0.674666	16371770	-1.4E+07	252779.7
1017.6	682191	-40.7279	0.663948	16373691	-1.4E+07	248764.4
1017.8	682213.6	-40.7203	0.65323	16375612	-1.4E+07	244749.1
1018	682236.2	-40.7127	0.642512	16377532	-1.4E+07	240733.8
1018.2	682258.8	-40.7051	0.631794	16379451	-1.4E+07	236718.5
1018.4	682281.5	-40.6975	0.621076	16381369	-1.4E+07	232703.2
1018.6	682304.1	-40.6899	0.610358	16383286	-1.4E+07	228687.8
1018.8	682326.8	-40.6823	0.59964	16385202	-1.4E+07	224672.4
1019	682349.5	-40.6747	0.588923	16387118	-1.4E+07	220657.1
1019.2	682372.2	-40.6671	0.578205	16389033	-1.4E+07	216641.7
1019.4	682394.9	-40.6595	0.567487	16390946	-1.4E+07	212626.3
1019.6	682417.6	-40.6519	0.556769	16392859	-1.4E+07	208610.9
1019.8	682440.3	-40.6443	0.546051	16394772	-1.4E+07	204595.4
1020	682463	-40.6368	0.535333	16396683	-1.4E+07	200580
1020.2	682485.8	-40.6292	0.524616	16398593	-1.4E+07	196564.6
1020.4	682508.5	-40.6216	0.513898	16400503	-1.4E+07	192549.1
1020.6	682531.3	-40.614	0.50318	16402412	-1.4E+07	188533.6
1020.8	682554.1	-40.6064	0.492462	16404320	-1.4E+07	184518.2
1021	682576.9	-40.5988	0.481745	16406227	-1.4E+07	180502.7
1021.2	682599.7	-40.5912	0.471027	16408133	-1.4E+07	176487.2
1021.4	682622.5	-40.5836	0.460309	16410038	-1.4E+07	172471.7
1021.6	682645.3	-40.576	0.449592	16411943	-1.4E+07	168456.2
1021.8	682668.1	-40.5684	0.438874	16413846	-1.4E+07	164440.6
1022	682691	-40.5608	0.428156	16415749	-1.4E+07	160425.1
1022.2	682713.9	-40.5532	0.417439	16417651	-1.4E+07	156409.6
1022.4	682736.7	-40.5456	0.406721	16419552	-1.4E+07	152394
1022.6	682759.6	-40.538	0.396003	16421452	-1.4E+07	148378.5
1022.8	682782.5	-40.5304	0.385286	16423352	-1.4E+07	144362.9
1023	682805.4	-40.5228	0.374568	16425250	-1.4E+07	140347.3
1023.2	682828.3	-40.5153	0.36385	16427148	-1.4E+07	136331.7
1023.4	682851.3	-40.5077	0.353133	16429045	-1.4E+07	132316.1
1023.6	682874.2	-40.5001	0.342415	16430941	-1.4E+07	128300.5
1023.8	682897.2	-40.4925	0.331698	16432836	-1.4E+07	124284.9
1024	682920.1	-40.4849	0.32098	16434730	-1.4E+07	120269.3
1024.2	682943.1	-40.4773	0.310263	16436623	-1.4E+07	116253.7
1024.4	682966.1	-40.4697	0.299545	16438516	-1.4E+07	112238.1
1024.6	682989.1	-40.4621	0.288828	16440408	-1.4E+07	108222.4
1024.8	683012.1	-40.4545	0.27811	16442299	-1.4E+07	104206.8
1025	683035.1	-40.4469	0.267393	16444189	-1.4E+07	100191.2
1025.2	683058.1	-40.4393	0.256676	16446078	-1.4E+07	96175.52
1025.4	683081.2	-40.4317	0.245958	16447966	-1.4E+07	92159.87
1025.6	683104.2	-40.4241	0.235241	16449853	-1.4E+07	88144.21
1025.8	683127.3	-40.4165	0.224523	16451740	-1.4E+07	84128.55
1026	683150.4	-40.4089	0.213806	16453626	-1.4E+07	80112.88

1026.2	683173.5	-40.4014	0.203089	16455511	-1.4E+07	76097.21
1026.4	683196.6	-40.3938	0.192371	16457395	-1.4E+07	72081.53
1026.6	683219.7	-40.3862	0.181654	16459278	-1.4E+07	68065.85
1026.8	683242.8	-40.3786	0.170937	16461160	-1.4E+07	64050.17
1027	683265.9	-40.371	0.16022	16463042	-1.4E+07	60034.49
1027.2	683289.1	-40.3634	0.149502	16464922	-1.4E+07	56018.8
1027.4	683312.2	-40.3558	0.138785	16466802	-1.4E+07	52003.11
1027.6	683335.4	-40.3482	0.128068	16468681	-1.4E+07	47987.41
1027.8	683358.6	-40.3406	0.117351	16470559	-1.4E+07	43971.71
1028	683381.8	-40.333	0.106634	16472436	-1.4E+07	39956.01
1028.2	683405	-40.3254	0.095917	16474313	-1.4E+07	35940.31
1028.4	683428.2	-40.3178	0.085199	16476188	-1.4E+07	31924.61
1028.6	683451.4	-40.3102	0.074482	16478063	-1.4E+07	27908.9
1028.8	683474.7	-40.3026	0.063765	16479937	-1.4E+07	23893.2
1029	683497.9	-40.2951	0.053048	16481810	-1.4E+07	19877.49
1029.2	683521.2	-40.2875	0.042331	16483682	-1.4E+07	15861.78
1029.4	683544.4	-40.2799	0.031614	16485553	-1.4E+07	11846.07
1029.6	683567.7	-40.2723	0.020897	16487423	-1.4E+07	7830.363
1029.8	683591	-40.2647	0.01018	16489293	-1.4E+07	3814.653
1030	683614.3	-40.2571	-0.00054	16491161	-1.4E+07	-201.057
1030.2	683637.6	-40.2495	-0.01125	16493029	-1.4E+07	-4216.77
1030.4	683660.9	-40.2419	-0.02197	16494896	-1.4E+07	-8232.48
1030.6	683684.3	-40.2343	-0.03269	16496762	-1.4E+07	-12248.2
1030.8	683707.6	-40.2267	-0.0434	16498628	-1.4E+07	-16263.9
1031	683731	-40.2191	-0.05412	16500492	-1.4E+07	-20279.6
1031.2	683754.4	-40.2115	-0.06484	16502355	-1.4E+07	-24295.3
1031.4	683777.7	-40.2039	-0.07555	16504218	-1.4E+07	-28311
1031.6	683801.1	-40.1964	-0.08627	16506080	-1.4E+07	-32326.7
1031.8	683824.5	-40.1888	-0.09699	16507941	-1.4E+07	-36342.4
1032	683848	-40.1812	-0.1077	16509801	-1.4E+07	-40358.1
1032.2	683871.4	-40.1736	-0.11842	16511660	-1.4E+07	-44373.8
1032.4	683894.8	-40.166	-0.12914	16513519	-1.4E+07	-48389.5
1032.6	683918.3	-40.1584	-0.13985	16515376	-1.4E+07	-52405.2
1032.8	683941.7	-40.1508	-0.15057	16517233	-1.4E+07	-56420.9
1033	683965.2	-40.1432	-0.16129	16519089	-1.4E+07	-60436.6
1033.2	683988.7	-40.1356	-0.172	16520944	-1.4E+07	-64452.2
1033.4	684012.2	-40.128	-0.18272	16522798	-1.4E+07	-68467.9
1033.6	684035.7	-40.1204	-0.19344	16524651	-1.4E+07	-72483.6
1033.8	684059.2	-40.1128	-0.20415	16526504	-1.4E+07	-76499.3
1034	684082.7	-40.1052	-0.21487	16528355	-1.4E+07	-80514.9
1034.2	684106.3	-40.0977	-0.22559	16530206	-1.4E+07	-84530.6
1034.4	684129.8	-40.0901	-0.2363	16532056	-1.4E+07	-88546.2
1034.6	684153.4	-40.0825	-0.24702	16533905	-1.4E+07	-92561.9
1034.8	684176.9	-40.0749	-0.25774	16535753	-1.4E+07	-96577.5
1035	684200.5	-40.0673	-0.26845	16537600	-1.4E+07	-100593
1035.2	684224.1	-40.0597	-0.27917	16539447	-1.4E+07	-104609
1035.4	684247.7	-40.0521	-0.28988	16541292	-1.4E+07	-108624

1035.6	684271.3	-40.0445	-0.3006	16543137	-1.4E+07	-112640
1035.8	684295	-40.0369	-0.31132	16544981	-1.4E+07	-116656
1036	684318.6	-40.0293	-0.32203	16546824	-1.4E+07	-120671
1036.2	684342.3	-40.0217	-0.33275	16548666	-1.4E+07	-124687
1036.4	684365.9	-40.0141	-0.34346	16550507	-1.4E+07	-128702
1036.6	684389.6	-40.0065	-0.35418	16552348	-1.4E+07	-132718
1036.8	684413.3	-39.999	-0.3649	16554187	-1.4E+07	-136734
1037	684437	-39.9914	-0.37561	16556026	-1.4E+07	-140749
1037.2	684460.7	-39.9838	-0.38633	16557864	-1.4E+07	-144765
1037.4	684484.4	-39.9762	-0.39704	16559701	-1.4E+07	-148780
1037.6	684508.1	-39.9686	-0.40776	16561537	-1.4E+07	-152796
1037.8	684531.9	-39.961	-0.41848	16563372	-1.4E+07	-156811
1038	684555.6	-39.9534	-0.42919	16565207	-1.4E+07	-160827
1038.2	684579.4	-39.9458	-0.43991	16567040	-1.4E+07	-164842
1038.4	684603.2	-39.9382	-0.45062	16568873	-1.4E+07	-168858
1038.6	684626.9	-39.9306	-0.46134	16570705	-1.4E+07	-172873
1038.8	684650.7	-39.923	-0.47205	16572536	-1.4E+07	-176889
1039	684674.5	-39.9154	-0.48277	16574366	-1.4E+07	-180904
1039.2	684698.4	-39.9078	-0.49349	16576195	-1.4E+07	-184920
1039.4	684722.2	-39.9003	-0.5042	16578023	-1.4E+07	-188935
1039.6	684746	-39.8927	-0.51492	16579851	-1.4E+07	-192951
1039.8	684769.9	-39.8851	-0.52563	16581678	-1.4E+07	-196966
1040	684793.7	-39.8775	-0.53635	16583504	-1.4E+07	-200982
1040.2	684817.6	-39.8699	-0.54706	16585329	-1.4E+07	-204997
1040.4	684841.5	-39.8623	-0.55778	16587153	-1.4E+07	-209013
1040.6	684865.4	-39.8547	-0.56849	16588976	-1.4E+07	-213028
1040.8	684889.3	-39.8471	-0.57921	16590798	-1.4E+07	-217043
1041	684913.2	-39.8395	-0.58992	16592620	-1.4E+07	-221059
1041.2	684937.2	-39.8319	-0.60064	16594441	-1.4E+07	-225074
1041.4	684961.1	-39.8243	-0.61135	16596260	-1.4E+07	-229089
1041.6	684985	-39.8167	-0.62207	16598079	-1.4E+07	-233105
1041.8	685009	-39.8091	-0.63278	16599898	-1.4E+07	-237120
1042	685033	-39.8015	-0.6435	16601715	-1.4E+07	-241135
1042.2	685057	-39.794	-0.65421	16603531	-1.4E+07	-245151
1042.4	685081	-39.7864	-0.66493	16605347	-1.4E+07	-249166
1042.6	685105	-39.7788	-0.67564	16607161	-1.4E+07	-253181
1042.8	685129	-39.7712	-0.68636	16608975	-1.4E+07	-257196
1043	685153	-39.7636	-0.69707	16610788	-1.4E+07	-261212
1043.2	685177.1	-39.756	-0.70779	16612600	-1.4E+07	-265227
1043.4	685201.1	-39.7484	-0.7185	16614411	-1.4E+07	-269242
1043.6	685225.2	-39.7408	-0.72922	16616222	-1.4E+07	-273257
1043.8	685249.2	-39.7332	-0.73993	16618031	-1.4E+07	-277272
1044	685273.3	-39.7256	-0.75065	16619840	-1.4E+07	-281288
1044.2	685297.4	-39.718	-0.76136	16621648	-1.4E+07	-285303
1044.4	685321.5	-39.7104	-0.77208	16623455	-1.4E+07	-289318
1044.6	685345.6	-39.7028	-0.78279	16625261	-1.4E+07	-293333
1044.8	685369.8	-39.6953	-0.79351	16627066	-1.4E+07	-297348

1045	685393.9	-39.6877	-0.80422	16628870	-1.4E+07	-301363
1045.2	685418.1	-39.6801	-0.81494	16630674	-1.4E+07	-305378
1045.4	685442.2	-39.6725	-0.82565	16632476	-1.4E+07	-309393
1045.6	685466.4	-39.6649	-0.83636	16634278	-1.4E+07	-313408
1045.8	685490.6	-39.6573	-0.84708	16636079	-1.4E+07	-317423
1046	685514.8	-39.6497	-0.85779	16637879	-1.4E+07	-321438
1046.2	685539	-39.6421	-0.86851	16639678	-1.4E+07	-325453
1046.4	685563.2	-39.6345	-0.87922	16641477	-1.4E+07	-329468
1046.6	685587.4	-39.6269	-0.88994	16643274	-1.4E+07	-333483
1046.8	685611.7	-39.6193	-0.90065	16645071	-1.4E+07	-337498
1047	685635.9	-39.6117	-0.91136	16646867	-1.4E+07	-341513
1047.2	685660.2	-39.6041	-0.92208	16648661	-1.4E+07	-345528
1047.4	685684.4	-39.5965	-0.93279	16650455	-1.4E+07	-349543
1047.6	685708.7	-39.5889	-0.9435	16652249	-1.4E+07	-353557
1047.8	685733	-39.5814	-0.95422	16654041	-1.4E+07	-357572
1048	685757.3	-39.5738	-0.96493	16655832	-1.4E+07	-361587
1048.2	685781.6	-39.5662	-0.97565	16657623	-1.4E+07	-365602
1048.4	685806	-39.5586	-0.98636	16659413	-1.4E+07	-369617
1048.6	685830.3	-39.551	-0.99707	16661201	-1.4E+07	-373631
1048.8	685854.7	-39.5434	-1.00779	16662989	-1.4E+07	-377646
1049	685879	-39.5358	-1.0185	16664777	-1.4E+07	-381661
1049.2	685903.4	-39.5282	-1.02921	16666563	-1.4E+07	-385675
1049.4	685927.8	-39.5206	-1.03993	16668348	-1.4E+07	-389690
1049.6	685952.2	-39.513	-1.05064	16670133	-1.4E+07	-393705
1049.8	685976.6	-39.5054	-1.06135	16671916	-1.4E+07	-397719
1050	686001	-39.4978	-1.07207	16673699	-1.4E+07	-401734
1050.2	686025.4	-39.4902	-1.08278	16675481	-1.4E+07	-405749
1050.4	686049.9	-39.4826	-1.09349	16677262	-1.4E+07	-409763
1050.6	686074.3	-39.475	-1.10421	16679043	-1.4E+07	-413778
1050.8	686098.8	-39.4675	-1.11492	16680822	-1.4E+07	-417792
1051	686123.2	-39.4599	-1.12563	16682600	-1.4E+07	-421807
1051.2	686147.7	-39.4523	-1.13635	16684378	-1.4E+07	-425821
1051.4	686172.2	-39.4447	-1.14706	16686155	-1.4E+07	-429835
1051.6	686196.7	-39.4371	-1.15777	16687931	-1.4E+07	-433850
1051.8	686221.2	-39.4295	-1.16849	16689706	-1.4E+07	-437864
1052	686245.7	-39.4219	-1.1792	16691480	-1.4E+07	-441879
1052.2	686270.3	-39.4143	-1.18991	16693253	-1.4E+07	-445893
1052.4	686294.8	-39.4067	-1.20062	16695026	-1.4E+07	-449907
1052.6	686319.4	-39.3991	-1.21134	16696797	-1.4E+07	-453921
1052.8	686344	-39.3915	-1.22205	16698568	-1.4E+07	-457936
1053	686368.5	-39.3839	-1.23276	16700338	-1.4E+07	-461950
1053.2	686393.1	-39.3763	-1.24347	16702107	-1.4E+07	-465964
1053.4	686417.7	-39.3687	-1.25419	16703875	-1.4E+07	-469978
1053.6	686442.3	-39.3611	-1.2649	16705642	-1.4E+07	-473992
1053.8	686467	-39.3535	-1.27561	16707409	-1.4E+07	-478007
1054	686491.6	-39.3459	-1.28632	16709174	-1.4E+07	-482021
1054.2	686516.3	-39.3384	-1.29704	16710939	-1.4E+07	-486035

1054.4	686540.9	-39.3308	-1.30775	16712703	-1.4E+07	-490049
1054.6	686565.6	-39.3232	-1.31846	16714466	-1.4E+07	-494063
1054.8	686590.3	-39.3156	-1.32917	16716228	-1.4E+07	-498077
1055	686614.9	-39.308	-1.33988	16717989	-1.4E+07	-502091
1055.2	686639.7	-39.3004	-1.3506	16719750	-1.4E+07	-506105
1055.4	686664.4	-39.2928	-1.36131	16721509	-1.4E+07	-510118
1055.6	686689.1	-39.2852	-1.37202	16723268	-1.4E+07	-514132
1055.8	686713.8	-39.2776	-1.38273	16725025	-1.4E+07	-518146
1056	686738.6	-39.27	-1.39344	16726782	-1.4E+07	-522160
1056.2	686763.3	-39.2624	-1.40416	16728538	-1.4E+07	-526174
1056.4	686788.1	-39.2548	-1.41487	16730294	-1.4E+07	-530188
1056.6	686812.9	-39.2472	-1.42558	16732048	-1.4E+07	-534201
1056.8	686837.7	-39.2396	-1.43629	16733801	-1.4E+07	-538215
1057	686862.5	-39.232	-1.447	16735554	-1.4E+07	-542229
1057.2	686887.3	-39.2244	-1.45771	16737306	-1.4E+07	-546242
1057.4	686912.1	-39.2168	-1.46843	16739057	-1.4E+07	-550256
1057.6	686936.9	-39.2092	-1.47914	16740807	-1.4E+07	-554269
1057.8	686961.8	-39.2016	-1.48985	16742556	-1.4E+07	-558283
1058	686986.6	-39.194	-1.50056	16744304	-1.4E+07	-562296
1058.2	687011.5	-39.1864	-1.51127	16746051	-1.4E+07	-566310
1058.4	687036.4	-39.1789	-1.52198	16747798	-1.4E+07	-570323
1058.6	687061.2	-39.1713	-1.53269	16749543	-1.4E+07	-574337
1058.8	687086.1	-39.1637	-1.5434	16751288	-1.4E+07	-578350
1059	687111.1	-39.1561	-1.55411	16753032	-1.4E+07	-582364
1059.2	687136	-39.1485	-1.56482	16754775	-1.4E+07	-586377
1059.4	687160.9	-39.1409	-1.57554	16756517	-1.4E+07	-590390
1059.6	687185.8	-39.1333	-1.58625	16758259	-1.4E+07	-594403
1059.8	687210.8	-39.1257	-1.59696	16759999	-1.4E+07	-598417
1060	687235.8	-39.1181	-1.60767	16761739	-1.4E+07	-602430
1060.2	687260.7	-39.1105	-1.61838	16763478	-1.4E+07	-606443
1060.4	687285.7	-39.1029	-1.62909	16765215	-1.4E+07	-610456
1060.6	687310.7	-39.0953	-1.6398	16766952	-1.4E+07	-614469
1060.8	687335.7	-39.0877	-1.65051	16768689	-1.4E+07	-618482
1061	687360.7	-39.0801	-1.66122	16770424	-1.4E+07	-622495
1061.2	687385.8	-39.0725	-1.67193	16772158	-1.4E+07	-626508
1061.4	687410.8	-39.0649	-1.68264	16773892	-1.4E+07	-630521
1061.6	687435.9	-39.0573	-1.69335	16775624	-1.4E+07	-634534
1061.8	687460.9	-39.0497	-1.70406	16777356	-1.4E+07	-638547
1062	687486	-39.0421	-1.71477	16779087	-1.4E+07	-642560
1062.2	687511.1	-39.0345	-1.72548	16780817	-1.4E+07	-646572
1062.4	687536.2	-39.0269	-1.73619	16782546	-1.4E+07	-650585
1062.6	687561.3	-39.0193	-1.7469	16784275	-1.4E+07	-654598
1062.8	687586.4	-39.0117	-1.75761	16786002	-1.4E+07	-658611
1063	687611.5	-39.0041	-1.76832	16787729	-1.4E+07	-662623
1063.2	687636.7	-38.9965	-1.77903	16789455	-1.4E+07	-666636
1063.4	687661.8	-38.9889	-1.78974	16791179	-1.4E+07	-670648
1063.6	687687	-38.9813	-1.80045	16792903	-1.4E+07	-674661

1063.8	687712.1	-38.9737	-1.81116	16794627	-1.4E+07	-678674
1064	687737.3	-38.9661	-1.82187	16796349	-1.4E+07	-682686
1064.2	687762.5	-38.9585	-1.83258	16798070	-1.4E+07	-686698
1064.4	687787.7	-38.9509	-1.84329	16799791	-1.4E+07	-690711
1064.6	687812.9	-38.9433	-1.85399	16801510	-1.4E+07	-694723
1064.8	687838.2	-38.9358	-1.8647	16803229	-1.4E+07	-698735
1065	687863.4	-38.9282	-1.87541	16804947	-1.4E+07	-702748
1065.2	687888.7	-38.9206	-1.88612	16806664	-1.4E+07	-706760
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1065.6	687939.2	-38.9054	-1.90754	16810096	-1.4E+07	-714784
1065.8	687964.5	-38.8978	-1.91825	16811810	-1.4E+07	-718796
1066	687989.7	-38.8902	-1.92896	16813524	-1.4E+07	-722808
1066.2	688015.1	-38.8826	-1.93967	16815236	-1.4E+07	-726821
1066.4	688040.4	-38.875	-1.95037	16816948	-1.4E+07	-730832
1066.6	688065.7	-38.8674	-1.96108	16818659	-1.4E+07	-734844
1066.8	688091	-38.8598	-1.97179	16820369	-1.4E+07	-738856
1067	688116.4	-38.8522	-1.9825	16822079	-1.4E+07	-742868
1067.2	688141.7	-38.8446	-1.99321	16823787	-1.4E+07	-746880
1067.4	688167.1	-38.837	-2.00392	16825495	-1.4E+07	-750892
1067.6	688192.5	-38.8294	-2.01462	16827201	-1.4E+07	-754904
1067.8	688217.9	-38.8218	-2.02533	16828907	-1.4E+07	-758915
1068	688243.3	-38.8142	-2.03604	16830612	-1.4E+07	-762927
1068.2	688268.7	-38.8066	-2.04675	16832316	-1.4E+07	-766939
1068.4	688294.1	-38.799	-2.05746	16834019	-1.4E+07	-770950
1068.6	688319.5	-38.7914	-2.06816	16835721	-1.4E+07	-774962
1068.8	688345	-38.7838	-2.07887	16837423	-1.4E+07	-778973
1069	688370.4	-38.7762	-2.08958	16839123	-1.4E+07	-782985
1069.2	688395.9	-38.7686	-2.10029	16840823	-1.4E+07	-786996
1069.4	688421.4	-38.761	-2.11099	16842522	-1.4E+07	-791007
1069.6	688446.8	-38.7534	-2.1217	16844220	-1.4E+07	-795019
1069.8	688472.3	-38.7458	-2.13241	16845917	-1.4E+07	-799030
1070	688497.8	-38.7382	-2.14312	16847613	-1.4E+07	-803041
1070.2	688523.4	-38.7306	-2.15382	16849308	-1.4E+07	-807052
1070.4	688548.9	-38.723	-2.16453	16851003	-1.4E+07	-811063
1070.6	688574.4	-38.7154	-2.17524	16852696	-1.4E+07	-815074
1070.8	688600	-38.7078	-2.18594	16854389	-1.4E+07	-819085
1071	688625.5	-38.7002	-2.19665	16856081	-1.4E+07	-823096
1071.2	688651.1	-38.6926	-2.20736	16857772	-1.4E+07	-827107
1071.4	688676.7	-38.685	-2.21806	16859462	-1.3E+07	-831118
1071.6	688702.3	-38.6774	-2.22877	16861151	-1.3E+07	-835129
1071.8	688727.9	-38.6698	-2.23948	16862840	-1.3E+07	-839140
1072	688753.5	-38.6622	-2.25018	16864527	-1.3E+07	-843151
1072.2	688779.1	-38.6546	-2.26089	16866214	-1.3E+07	-847161
1072.4	688804.8	-38.647	-2.2716	16867900	-1.3E+07	-851172
1072.6	688830.4	-38.6394	-2.2823	16869584	-1.3E+07	-855183
1072.8	688856.1	-38.6318	-2.29301	16871268	-1.3E+07	-859193
1073	688881.8	-38.6241	-2.30372	16872952	-1.3E+07	-863204

1073.2	688907.4	-38.6165	-2.31442	16874634	-1.3E+07	-867214
1073.4	688933.1	-38.6089	-2.32513	16876315	-1.3E+07	-871225
1073.6	688958.8	-38.6013	-2.33583	16877996	-1.3E+07	-875235
1073.8	688984.6	-38.5937	-2.34654	16879676	-1.3E+07	-879245
1074	689010.3	-38.5861	-2.35724	16881354	-1.3E+07	-883256
1074.2	689036	-38.5785	-2.36795	16883032	-1.3E+07	-887266
1074.4	689061.8	-38.5709	-2.37866	16884709	-1.3E+07	-891276
1074.6	689087.5	-38.5633	-2.38936	16886385	-1.3E+07	-895286
1074.8	689113.3	-38.5557	-2.40007	16888061	-1.3E+07	-899296
1075	689139.1	-38.5481	-2.41077	16889735	-1.3E+07	-903306
1075.2	689164.8	-38.5405	-2.42148	16891409	-1.3E+07	-907316
1075.4	689190.6	-38.5329	-2.43218	16893081	-1.3E+07	-911326
1075.6	689216.5	-38.5253	-2.44289	16894753	-1.3E+07	-915336
1075.8	689242.3	-38.5177	-2.45359	16896424	-1.3E+07	-919346
1076	689268.1	-38.5101	-2.4643	16898094	-1.3E+07	-923356
1076.2	689294	-38.5025	-2.475	16899764	-1.3E+07	-927365
1076.4	689319.8	-38.4949	-2.48571	16901432	-1.3E+07	-931375
1076.6	689345.7	-38.4873	-2.49641	16903099	-1.3E+07	-935385
1076.8	689371.5	-38.4797	-2.50712	16904766	-1.3E+07	-939394
1077	689397.4	-38.4721	-2.51782	16906432	-1.3E+07	-943404
1077.2	689423.3	-38.4645	-2.52853	16908096	-1.3E+07	-947413
1077.4	689449.2	-38.4569	-2.53923	16909760	-1.3E+07	-951423
1077.6	689475.2	-38.4493	-2.54993	16911424	-1.3E+07	-955432
1077.8	689501.1	-38.4417	-2.56064	16913086	-1.3E+07	-959441
1078	689527	-38.4341	-2.57134	16914747	-1.3E+07	-963450
1078.2	689553	-38.4265	-2.58205	16916408	-1.3E+07	-967460
1078.4	689578.9	-38.4189	-2.59275	16918067	-1.3E+07	-971469
1078.6	689604.9	-38.4112	-2.60345	16919726	-1.3E+07	-975478
1078.8	689630.9	-38.4036	-2.61416	16921384	-1.3E+07	-979487
1079	689656.9	-38.396	-2.62486	16923041	-1.3E+07	-983496
1079.2	689682.9	-38.3884	-2.63557	16924697	-1.3E+07	-987505
1079.4	689708.9	-38.3808	-2.64627	16926352	-1.3E+07	-991514
1079.6	689734.9	-38.3732	-2.65697	16928007	-1.3E+07	-995522
1079.8	689761	-38.3656	-2.66768	16929660	-1.3E+07	-999531
1080	689787	-38.358	-2.67838	16931313	-1.3E+07	-1003540
1080.2	689813.1	-38.3504	-2.68908	16932964	-1.3E+07	-1007549
1080.4	689839.1	-38.3428	-2.69979	16934615	-1.3E+07	-1011557
1080.6	689865.2	-38.3352	-2.71049	16936265	-1.3E+07	-1015566
1080.8	689891.3	-38.3276	-2.72119	16937914	-1.3E+07	-1019574
1081	689917.4	-38.32	-2.73189	16939563	-1.3E+07	-1023582
1081.2	689943.5	-38.3124	-2.7426	16941210	-1.3E+07	-1027591
1081.4	689969.7	-38.3048	-2.7533	16942857	-1.3E+07	-1031599
1081.6	689995.8	-38.2972	-2.764	16944502	-1.3E+07	-1035607
1081.8	690021.9	-38.2895	-2.77471	16946147	-1.3E+07	-1039616
1082	690048.1	-38.2819	-2.78541	16947791	-1.3E+07	-1043624
1082.2	690074.3	-38.2743	-2.79611	16949434	-1.3E+07	-1047632
1082.4	690100.4	-38.2667	-2.80681	16951076	-1.3E+07	-1051640

1082.6	690126.6	-38.2591	-2.81751	16952717	-1.3E+07	-1055648
1082.8	690152.8	-38.2515	-2.82822	16954358	-1.3E+07	-1059656
1083	690179	-38.2439	-2.83892	16955997	-1.3E+07	-1063663
1083.2	690205.2	-38.2363	-2.84962	16957636	-1.3E+07	-1067671
1083.4	690231.5	-38.2287	-2.86032	16959274	-1.3E+07	-1071679
1083.6	690257.7	-38.2211	-2.87102	16960911	-1.3E+07	-1075686
1083.8	690284	-38.2135	-2.88173	16962547	-1.3E+07	-1079694
1084	690310.2	-38.2059	-2.89243	16964182	-1.3E+07	-1083702
1084.2	690336.5	-38.1983	-2.90313	16965816	-1.3E+07	-1087709
1084.4	690362.8	-38.1906	-2.91383	16967449	-1.3E+07	-1091716
1084.6	690389.1	-38.183	-2.92453	16969082	-1.3E+07	-1095724
1084.8	690415.4	-38.1754	-2.93523	16970714	-1.3E+07	-1099731
1085	690441.7	-38.1678	-2.94593	16972344	-1.3E+07	-1103738
1085.2	690468	-38.1602	-2.95663	16973974	-1.3E+07	-1107745
1085.4	690494.4	-38.1526	-2.96734	16975603	-1.3E+07	-1111753
1085.6	690520.7	-38.145	-2.97804	16977231	-1.3E+07	-1115760
1085.8	690547.1	-38.1374	-2.98874	16978859	-1.3E+07	-1119767
1086	690573.4	-38.1298	-2.99944	16980485	-1.3E+07	-1123773
1086.2	690599.8	-38.1222	-3.01014	16982111	-1.3E+07	-1127780
1086.4	690626.2	-38.1145	-3.02084	16983735	-1.3E+07	-1131787
1086.6	690652.6	-38.1069	-3.03154	16985359	-1.3E+07	-1135794
1086.8	690679	-38.0993	-3.04224	16986982	-1.3E+07	-1139800
1087	690705.4	-38.0917	-3.05294	16988604	-1.3E+07	-1143807
1087.2	690731.9	-38.0841	-3.06364	16990225	-1.3E+07	-1147814
1087.4	690758.3	-38.0765	-3.07434	16991845	-1.3E+07	-1151820
1087.6	690784.8	-38.0689	-3.08504	16993465	-1.3E+07	-1155826
1087.8	690811.2	-38.0613	-3.09574	16995083	-1.3E+07	-1159833
1088	690837.7	-38.0537	-3.10644	16996701	-1.3E+07	-1163839
1088.2	690864.2	-38.046	-3.11714	16998318	-1.3E+07	-1167845
1088.4	690890.7	-38.0384	-3.12784	16999934	-1.3E+07	-1171851
1088.6	690917.2	-38.0308	-3.13854	17001549	-1.3E+07	-1175857
1088.8	690943.7	-38.0232	-3.14924	17003163	-1.3E+07	-1179863
1089	690970.3	-38.0156	-3.15994	17004776	-1.3E+07	-1183869
1089.2	690996.8	-38.008	-3.17063	17006388	-1.3E+07	-1187875
1089.4	691023.3	-38.0004	-3.18133	17008000	-1.3E+07	-1191881
1089.6	691049.9	-37.9928	-3.19203	17009611	-1.3E+07	-1195887
1089.8	691076.5	-37.9851	-3.20273	17011220	-1.3E+07	-1199892
1090	691103.1	-37.9775	-3.21343	17012829	-1.3E+07	-1203898
1090.2	691129.7	-37.9699	-3.22413	17014437	-1.3E+07	-1207904
1090.4	691156.3	-37.9623	-3.23483	17016044	-1.3E+07	-1211909
1090.6	691182.9	-37.9547	-3.24553	17017651	-1.3E+07	-1215914
1090.8	691209.5	-37.9471	-3.25622	17019256	-1.3E+07	-1219920
1091	691236.1	-37.9395	-3.26692	17020861	-1.3E+07	-1223925
1091.2	691262.8	-37.9319	-3.27762	17022464	-1.3E+07	-1227930
1091.4	691289.4	-37.9242	-3.28832	17024067	-1.3E+07	-1231935
1091.6	691316.1	-37.9166	-3.29902	17025669	-1.3E+07	-1235940
1091.8	691342.8	-37.909	-3.30971	17027270	-1.3E+07	-1239945

1092	691369.5	-37.9014	-3.32041	17028870	-1.3E+07	-1243950
1092.2	691396.2	-37.8938	-3.33111	17030469	-1.3E+07	-1247955
1092.4	691422.9	-37.8862	-3.34181	17032067	-1.3E+07	-1251960
1092.6	691449.6	-37.8786	-3.3525	17033665	-1.3E+07	-1255965
1092.8	691476.3	-37.8709	-3.3632	17035262	-1.3E+07	-1259969
1093	691503.1	-37.8633	-3.3739	17036857	-1.3E+07	-1263974
1093.2	691529.8	-37.8557	-3.3846	17038452	-1.3E+07	-1267978
1093.4	691556.6	-37.8481	-3.39529	17040046	-1.3E+07	-1271983
1093.6	691583.4	-37.8405	-3.40599	17041639	-1.3E+07	-1275987
1093.8	691610.1	-37.8329	-3.41669	17043231	-1.3E+07	-1279992
1094	691636.9	-37.8252	-3.42738	17044823	-1.3E+07	-1283996
1094.2	691663.7	-37.8176	-3.43808	17046413	-1.3E+07	-1288000
1094.4	691690.6	-37.81	-3.44878	17048003	-1.3E+07	-1292004
1094.6	691717.4	-37.8024	-3.45947	17049591	-1.3E+07	-1296008
1094.8	691744.2	-37.7948	-3.47017	17051179	-1.3E+07	-1300012
1095	691771.1	-37.7872	-3.48086	17052766	-1.3E+07	-1304016
1095.2	691797.9	-37.7795	-3.49156	17054352	-1.3E+07	-1308020
1095.4	691824.8	-37.7719	-3.50226	17055938	-1.3E+07	-1312023
1095.6	691851.7	-37.7643	-3.51295	17057522	-1.3E+07	-1316027
1095.8	691878.6	-37.7567	-3.52365	17059105	-1.3E+07	-1320030
1096	691905.5	-37.7491	-3.53434	17060688	-1.3E+07	-1324034
1096.2	691932.4	-37.7415	-3.54504	17062269	-1.3E+07	-1328037
1096.4	691959.3	-37.7338	-3.55573	17063850	-1.3E+07	-1332041
1096.6	691986.2	-37.7262	-3.56643	17065430	-1.3E+07	-1336044
1096.8	692013.2	-37.7186	-3.57713	17067009	-1.3E+07	-1340047
1097	692040.1	-37.711	-3.58782	17068587	-1.3E+07	-1344050
1097.2	692067.1	-37.7034	-3.59852	17070165	-1.3E+07	-1348053
1097.4	692094.1	-37.6957	-3.60921	17071741	-1.3E+07	-1352056
1097.6	692121.1	-37.6881	-3.6199	17073317	-1.3E+07	-1356059
1097.8	692148.1	-37.6805	-3.6306	17074891	-1.3E+07	-1360062
1098	692175.1	-37.6729	-3.64129	17076465	-1.3E+07	-1364065
1098.2	692202.1	-37.6653	-3.65199	17078038	-1.3E+07	-1368067
1098.4	692229.1	-37.6576	-3.66268	17079610	-1.3E+07	-1372070
1098.6	692256.1	-37.65	-3.67338	17081181	-1.3E+07	-1376072
1098.8	692283.2	-37.6424	-3.68407	17082751	-1.3E+07	-1380075
1099	692310.3	-37.6348	-3.69477	17084321	-1.3E+07	-1384077
1099.2	692337.3	-37.6272	-3.70546	17085889	-1.3E+07	-1388079
1099.4	692364.4	-37.6195	-3.71615	17087457	-1.3E+07	-1392082
1099.6	692391.5	-37.6119	-3.72685	17089023	-1.3E+07	-1396084
1099.8	692418.6	-37.6043	-3.73754	17090589	-1.3E+07	-1400086
1100	692445.7	-37.5967	-3.74823	17092154	-1.3E+07	-1404088
1100.2	692472.8	-37.5891	-3.75893	17093718	-1.3E+07	-1408090
1100.4	692500	-37.5814	-3.76962	17095282	-1.3E+07	-1412091
1100.6	692527.1	-37.5738	-3.78031	17096844	-1.3E+07	-1416093
1100.8	692554.3	-37.5662	-3.79101	17098405	-1.3E+07	-1420095
1101	692581.4	-37.5586	-3.8017	17099966	-1.3E+07	-1424096
1101.2	692608.6	-37.5509	-3.81239	17101526	-1.3E+07	-1428098

1101.4	692635.8	-37.5433	-3.82309	17103084	-1.3E+07	-1432099
1101.6	692663	-37.5357	-3.83378	17104642	-1.3E+07	-1436101
1101.8	692690.2	-37.5281	-3.84447	17106199	-1.3E+07	-1440102
1102	692717.4	-37.5204	-3.85516	17107756	-1.3E+07	-1444103
1102.2	692744.6	-37.5128	-3.86585	17109311	-1.3E+07	-1448104
1102.4	692771.9	-37.5052	-3.87655	17110865	-1.3E+07	-1452105
1102.6	692799.1	-37.4976	-3.88724	17112419	-1.3E+07	-1456106
1102.8	692826.4	-37.49	-3.89793	17113971	-1.3E+07	-1460107
1103	692853.7	-37.4823	-3.90862	17115523	-1.3E+07	-1464108
1103.2	692880.9	-37.4747	-3.91931	17117074	-1.3E+07	-1468108
1103.4	692908.2	-37.4671	-3.93001	17118624	-1.3E+07	-1472109
1103.6	692935.5	-37.4595	-3.9407	17120173	-1.3E+07	-1476109
1103.8	692962.8	-37.4518	-3.95139	17121722	-1.3E+07	-1480110
1104	692990.2	-37.4442	-3.96208	17123269	-1.3E+07	-1484110
1104.2	693017.5	-37.4366	-3.97277	17124815	-1.3E+07	-1488110
1104.4	693044.8	-37.429	-3.98346	17126361	-1.3E+07	-1492111
1104.6	693072.2	-37.4213	-3.99415	17127906	-1.3E+07	-1496111
1104.8	693099.6	-37.4137	-4.00484	17129449	-1.3E+07	-1500111
1105	693126.9	-37.4061	-4.01553	17130992	-1.3E+07	-1504111
1105.2	693154.3	-37.3984	-4.02622	17132535	-1.3E+07	-1508110
1105.4	693181.7	-37.3908	-4.03691	17134076	-1.3E+07	-1512110
1105.6	693209.1	-37.3832	-4.04761	17135616	-1.3E+07	-1516110
1105.8	693236.5	-37.3756	-4.0583	17137155	-1.3E+07	-1520109
1106	693264	-37.3679	-4.06899	17138694	-1.3E+07	-1524109
1106.2	693291.4	-37.3603	-4.07968	17140232	-1.3E+07	-1528108
1106.4	693318.9	-37.3527	-4.09037	17141768	-1.3E+07	-1532108
1106.6	693346.3	-37.3451	-4.10105	17143304	-1.3E+07	-1536107
1106.8	693373.8	-37.3374	-4.11174	17144839	-1.3E+07	-1540106
1107	693401.3	-37.3298	-4.12243	17146374	-1.3E+07	-1544105
1107.2	693428.8	-37.3222	-4.13312	17147907	-1.3E+07	-1548104
1107.4	693456.3	-37.3145	-4.14381	17149439	-1.3E+07	-1552103
1107.6	693483.8	-37.3069	-4.1545	17150971	-1.3E+07	-1556102
1107.8	693511.3	-37.2993	-4.16519	17152501	-1.3E+07	-1560101
1108	693538.8	-37.2917	-4.17588	17154031	-1.3E+07	-1564099
1108.2	693566.4	-37.284	-4.18657	17155560	-1.3E+07	-1568098
1108.4	693593.9	-37.2764	-4.19726	17157088	-1.3E+07	-1572096
1108.6	693621.5	-37.2688	-4.20795	17158615	-1.3E+07	-1576095
1108.8	693649.1	-37.2611	-4.21863	17160141	-1.3E+07	-1580093
1109	693676.6	-37.2535	-4.22932	17161666	-1.3E+07	-1584091
1109.2	693704.2	-37.2459	-4.24001	17163191	-1.3E+07	-1588089
1109.4	693731.8	-37.2382	-4.2507	17164714	-1.3E+07	-1592087
1109.6	693759.5	-37.2306	-4.26139	17166237	-1.3E+07	-1596085
1109.8	693787.1	-37.223	-4.27207	17167759	-1.3E+07	-1600083
1110	693814.7	-37.2153	-4.28276	17169280	-1.3E+07	-1604081
1110.2	693842.4	-37.2077	-4.29345	17170800	-1.3E+07	-1608079
1110.4	693870	-37.2001	-4.30414	17172319	-1.3E+07	-1612076
1110.6	693897.7	-37.1925	-4.31482	17173837	-1.3E+07	-1616074

1110.8	693925.4	-37.1848	-4.32551	17175354	-1.3E+07	-1620071
1111	693953.1	-37.1772	-4.3362	17176871	-1.3E+07	-1624068
1111.2	693980.8	-37.1696	-4.34688	17178387	-1.3E+07	-1628066
1111.4	694008.5	-37.1619	-4.35757	17179901	-1.3E+07	-1632063
1111.6	694036.2	-37.1543	-4.36826	17181415	-1.3E+07	-1636060
1111.8	694063.9	-37.1467	-4.37894	17182928	-1.3E+07	-1640057
1112	694091.7	-37.139	-4.38963	17184440	-1.3E+07	-1644053
1112.2	694119.4	-37.1314	-4.40032	17185951	-1.3E+07	-1648050
1112.4	694147.2	-37.1238	-4.411	17187462	-1.3E+07	-1652047
1112.6	694175	-37.1161	-4.42169	17188971	-1.3E+07	-1656043
1112.8	694202.7	-37.1085	-4.43237	17190480	-1.3E+07	-1660040
1113	694230.5	-37.1009	-4.44306	17191987	-1.3E+07	-1664036
1113.2	694258.3	-37.0932	-4.45375	17193494	-1.3E+07	-1668033
1113.4	694286.1	-37.0856	-4.46443	17195000	-1.3E+07	-1672029
1113.6	694314	-37.0779	-4.47512	17196505	-1.3E+07	-1676025
1113.8	694341.8	-37.0703	-4.4858	17198009	-1.3E+07	-1680021
1114	694369.7	-37.0627	-4.49649	17199512	-1.3E+07	-1684017
1114.2	694397.5	-37.055	-4.50717	17201015	-1.3E+07	-1688013
1114.4	694425.4	-37.0474	-4.51786	17202516	-1.3E+07	-1692008
1114.6	694453.3	-37.0398	-4.52854	17204017	-1.3E+07	-1696004
1114.8	694481.1	-37.0321	-4.53923	17205516	-1.3E+07	-1700000
1115	694509	-37.0245	-4.54991	17207015	-1.3E+07	-1703995
1115.2	694536.9	-37.0169	-4.5606	17208513	-1.3E+07	-1707990
1115.4	694564.9	-37.0092	-4.57128	17210010	-1.3E+07	-1711986
1115.6	694592.8	-37.0016	-4.58196	17211506	-1.3E+07	-1715981
1115.8	694620.7	-36.9939	-4.59265	17213001	-1.3E+07	-1719976
1116	694648.7	-36.9863	-4.60333	17214496	-1.3E+07	-1723971
1116.2	694676.6	-36.9787	-4.61402	17215989	-1.3E+07	-1727966
1116.4	694704.6	-36.971	-4.6247	17217482	-1.3E+07	-1731960
1116.6	694732.6	-36.9634	-4.63538	17218974	-1.3E+07	-1735955
1116.8	694760.6	-36.9557	-4.64607	17220464	-1.3E+07	-1739950
1117	694788.6	-36.9481	-4.65675	17221954	-1.3E+07	-1743944
1117.2	694816.6	-36.9405	-4.66743	17223444	-1.3E+07	-1747939
1117.4	694844.6	-36.9328	-4.67811	17224932	-1.3E+07	-1751933
1117.6	694872.7	-36.9252	-4.6888	17226419	-1.3E+07	-1755927
1117.8	694900.7	-36.9175	-4.69948	17227905	-1.3E+07	-1759921
1118	694928.7	-36.9099	-4.71016	17229391	-1.3E+07	-1763915
1118.2	694956.8	-36.9023	-4.72084	17230876	-1.3E+07	-1767909
1118.4	694984.9	-36.8946	-4.73153	17232359	-1.3E+07	-1771903
1118.6	695013	-36.887	-4.74221	17233842	-1.3E+07	-1775896
1118.8	695041.1	-36.8793	-4.75289	17235324	-1.3E+07	-1779890
1119	695069.2	-36.8717	-4.76357	17236805	-1.3E+07	-1783884
1119.2	695097.3	-36.8641	-4.77425	17238286	-1.3E+07	-1787877
1119.4	695125.4	-36.8564	-4.78494	17239765	-1.3E+07	-1791870
1119.6	695153.5	-36.8488	-4.79562	17241243	-1.3E+07	-1795863
1119.8	695181.7	-36.8411	-4.8063	17242721	-1.3E+07	-1799857
1120	695209.9	-36.8335	-4.81698	17244198	-1.3E+07	-1803850

1120.2	695238	-36.8258	-4.82766	17245673	-1.3E+07	-1807842
1120.4	695266.2	-36.8182	-4.83834	17247148	-1.3E+07	-1811835
1120.6	695294.4	-36.8106	-4.84902	17248622	-1.3E+07	-1815828
1120.8	695322.6	-36.8029	-4.8597	17250095	-1.3E+07	-1819820
1121	695350.8	-36.7953	-4.87038	17251568	-1.3E+07	-1823813
1121.2	695379	-36.7876	-4.88106	17253039	-1.3E+07	-1827805
1121.4	695407.2	-36.78	-4.89174	17254510	-1.3E+07	-1831798
1121.6	695435.5	-36.7723	-4.90242	17255979	-1.3E+07	-1835790
1121.8	695463.7	-36.7647	-4.9131	17257448	-1.3E+07	-1839782
1122	695492	-36.757	-4.92378	17258916	-1.3E+07	-1843774
1122.2	695520.3	-36.7494	-4.93446	17260383	-1.3E+07	-1847766
1122.4	695548.5	-36.7418	-4.94514	17261849	-1.3E+07	-1851757
1122.6	695576.8	-36.7341	-4.95582	17263314	-1.3E+07	-1855749
1122.8	695605.1	-36.7265	-4.9665	17264778	-1.3E+07	-1859741
1123	695633.4	-36.7188	-4.97718	17266241	-1.3E+07	-1863732
1123.2	695661.8	-36.7112	-4.98786	17267704	-1.3E+07	-1867724
1123.4	695690.1	-36.7035	-4.99854	17269165	-1.3E+07	-1871715
1123.6	695718.4	-36.6959	-5.00922	17270626	-1.3E+07	-1875706
1123.8	695746.8	-36.6882	-5.0199	17272086	-1.3E+07	-1879697
1124	695775.2	-36.6806	-5.03057	17273545	-1.3E+07	-1883688
1124.2	695803.5	-36.6729	-5.04125	17275003	-1.3E+07	-1887679
1124.4	695831.9	-36.6653	-5.05193	17276460	-1.3E+07	-1891669
1124.6	695860.3	-36.6576	-5.06261	17277916	-1.3E+07	-1895660
1124.8	695888.7	-36.65	-5.07329	17279372	-1.3E+07	-1899651
1125	695917.1	-36.6423	-5.08396	17280826	-1.3E+07	-1903641
1125.2	695945.6	-36.6347	-5.09464	17282280	-1.3E+07	-1907631
1125.4	695974	-36.627	-5.10532	17283733	-1.3E+07	-1911621
1125.6	696002.4	-36.6194	-5.116	17285185	-1.3E+07	-1915612
1125.8	696030.9	-36.6117	-5.12667	17286636	-1.3E+07	-1919601
1126	696059.4	-36.6041	-5.13735	17288086	-1.3E+07	-1923591
1126.2	696087.8	-36.5964	-5.14803	17289535	-1.3E+07	-1927581
1126.4	696116.3	-36.5888	-5.1587	17290983	-1.3E+07	-1931571
1126.6	696144.8	-36.5811	-5.16938	17292431	-1.3E+07	-1935560
1126.8	696173.3	-36.5735	-5.18006	17293877	-1.3E+07	-1939550
1127	696201.9	-36.5658	-5.19073	17295323	-1.3E+07	-1943539
1127.2	696230.4	-36.5582	-5.20141	17296767	-1.3E+07	-1947528
1127.4	696258.9	-36.5505	-5.21209	17298211	-1.3E+07	-1951517
1127.6	696287.5	-36.5429	-5.22276	17299654	-1.3E+07	-1955506
1127.8	696316	-36.5352	-5.23344	17301096	-1.3E+07	-1959495
1128	696344.6	-36.5276	-5.24411	17302538	-1.3E+07	-1963484
1128.2	696373.2	-36.5199	-5.25479	17303978	-1.3E+07	-1967473
1128.4	696401.8	-36.5123	-5.26546	17305417	-1.3E+07	-1971461
1128.6	696430.4	-36.5046	-5.27614	17306856	-1.3E+07	-1975450
1128.8	696459	-36.497	-5.28681	17308293	-1.3E+07	-1979438
1129	696487.6	-36.4893	-5.29749	17309730	-1.3E+07	-1983426
1129.2	696516.2	-36.4816	-5.30816	17311166	-1.3E+07	-1987414
1129.4	696544.9	-36.474	-5.31884	17312601	-1.3E+07	-1991402

1129.6	696573.5	-36.4663	-5.32951	17314035	-1.3E+07	-1995390
1129.8	696602.2	-36.4587	-5.34019	17315468	-1.3E+07	-1999378
1130	696630.9	-36.451	-5.35086	17316901	-1.3E+07	-2003366
1130.2	696659.5	-36.4434	-5.36153	17318332	-1.3E+07	-2007353
1130.4	696688.2	-36.4357	-5.37221	17319763	-1.3E+07	-2011341
1130.6	696716.9	-36.4281	-5.38288	17321192	-1.3E+07	-2015328
1130.8	696745.6	-36.4204	-5.39355	17322621	-1.3E+07	-2019315
1131	696774.4	-36.4127	-5.40423	17324049	-1.3E+07	-2023302
1131.2	696803.1	-36.4051	-5.4149	17325476	-1.3E+07	-2027289
1131.4	696831.8	-36.3974	-5.42557	17326902	-1.3E+07	-2031276
1131.6	696860.6	-36.3898	-5.43625	17328327	-1.3E+07	-2035263
1131.8	696889.4	-36.3821	-5.44692	17329751	-1.3E+07	-2039250
1132	696918.1	-36.3745	-5.45759	17331175	-1.3E+07	-2043236
1132.2	696946.9	-36.3668	-5.46826	17332597	-1.3E+07	-2047223
1132.4	696975.7	-36.3591	-5.47894	17334019	-1.3E+07	-2051209
1132.6	697004.5	-36.3515	-5.48961	17335440	-1.3E+07	-2055195
1132.8	697033.3	-36.3438	-5.50028	17336859	-1.3E+07	-2059181
1133	697062.2	-36.3362	-5.51095	17338278	-1.3E+07	-2063167
1133.2	697091	-36.3285	-5.52162	17339697	-1.3E+07	-2067153
1133.4	697119.8	-36.3208	-5.53229	17341114	-1.3E+07	-2071139
1133.6	697148.7	-36.3132	-5.54297	17342530	-1.3E+07	-2075125
1133.8	697177.6	-36.3055	-5.55364	17343945	-1.3E+07	-2079110
1134	697206.4	-36.2979	-5.56431	17345360	-1.3E+07	-2083095
1134.2	697235.3	-36.2902	-5.57498	17346774	-1.3E+07	-2087081
1134.4	697264.2	-36.2825	-5.58565	17348186	-1.3E+07	-2091066
1134.6	697293.1	-36.2749	-5.59632	17349598	-1.3E+07	-2095051
1134.8	697322	-36.2672	-5.60699	17351009	-1.3E+07	-2099036
1135	697351	-36.2595	-5.61766	17352419	-1.3E+07	-2103021
1135.2	697379.9	-36.2519	-5.62833	17353828	-1.3E+07	-2107005
1135.4	697408.9	-36.2442	-5.639	17355237	-1.3E+07	-2110990
1135.6	697437.8	-36.2366	-5.64967	17356644	-1.3E+07	-2114974
1135.8	697466.8	-36.2289	-5.66034	17358051	-1.3E+07	-2118959
1136	697495.8	-36.2212	-5.67101	17359456	-1.3E+07	-2122943
1136.2	697524.8	-36.2136	-5.68168	17360861	-1.3E+07	-2126927
1136.4	697553.8	-36.2059	-5.69235	17362265	-1.3E+07	-2130911
1136.6	697582.8	-36.1982	-5.70302	17363668	-1.3E+07	-2134895
1136.8	697611.8	-36.1906	-5.71369	17365070	-1.3E+07	-2138879
1137	697640.8	-36.1829	-5.72436	17366471	-1.3E+07	-2142862
1137.2	697669.8	-36.1752	-5.73502	17367871	-1.3E+07	-2146846
1137.4	697698.9	-36.1676	-5.74569	17369271	-1.3E+07	-2150829
1137.6	697728	-36.1599	-5.75636	17370669	-1.3E+07	-2154812
1137.8	697757	-36.1522	-5.76703	17372067	-1.3E+07	-2158795
1138	697786.1	-36.1446	-5.7777	17373463	-1.3E+07	-2162778
1138.2	697815.2	-36.1369	-5.78836	17374859	-1.3E+07	-2166761
1138.4	697844.3	-36.1292	-5.79903	17376254	-1.3E+07	-2170744
1138.6	697873.4	-36.1216	-5.8097	17377648	-1.3E+07	-2174727
1138.8	697902.5	-36.1139	-5.82037	17379041	-1.3E+07	-2178709

1139	697931.7	-36.1062	-5.83103	17380433	-1.3E+07	-2182692
1139.2	697960.8	-36.0986	-5.8417	17381825	-1.3E+07	-2186674
1139.4	697990	-36.0909	-5.85237	17383215	-1.3E+07	-2190656
1139.6	698019.1	-36.0832	-5.86303	17384605	-1.3E+07	-2194638
1139.8	698048.3	-36.0756	-5.8737	17385994	-1.3E+07	-2198620
1140	698077.5	-36.0679	-5.88437	17387381	-1.3E+07	-2202602
1140.2	698106.7	-36.0602	-5.89503	17388768	-1.3E+07	-2206584
1140.4	698135.9	-36.0525	-5.9057	17390154	-1.3E+07	-2210565
1140.6	698165.1	-36.0449	-5.91636	17391539	-1.3E+07	-2214547
1140.8	698194.3	-36.0372	-5.92703	17392924	-1.3E+07	-2218528
1141	698223.5	-36.0295	-5.9377	17394307	-1.3E+07	-2222509
1141.2	698252.8	-36.0219	-5.94836	17395689	-1.3E+07	-2226490
1141.4	698282	-36.0142	-5.95903	17397071	-1.3E+07	-2230471
1141.6	698311.3	-36.0065	-5.96969	17398452	-1.3E+07	-2234452
1141.8	698340.6	-35.9988	-5.98036	17399831	-1.3E+07	-2238432
1142	698369.8	-35.9912	-5.99102	17401210	-1.3E+07	-2242413
1142.2	698399.1	-35.9835	-6.00169	17402588	-1.3E+07	-2246393
1142.4	698428.4	-35.9758	-6.01235	17403965	-1.3E+07	-2250374
1142.6	698457.8	-35.9681	-6.02301	17405342	-1.3E+07	-2254354
1142.8	698487.1	-35.9605	-6.03368	17406717	-1.3E+07	-2258334
1143	698516.4	-35.9528	-6.04434	17408091	-1.3E+07	-2262314
1143.2	698545.8	-35.9451	-6.05501	17409465	-1.3E+07	-2266294
1143.4	698575.1	-35.9374	-6.06567	17410837	-1.3E+07	-2270273
1143.6	698604.5	-35.9298	-6.07633	17412209	-1.3E+07	-2274253
1143.8	698633.8	-35.9221	-6.087	17413580	-1.3E+07	-2278232
1144	698663.2	-35.9144	-6.09766	17414950	-1.3E+07	-2282212
1144.2	698692.6	-35.9067	-6.10832	17416319	-1.3E+07	-2286191
1144.4	698722	-35.8991	-6.11898	17417687	-1.3E+07	-2290170
1144.6	698751.4	-35.8914	-6.12965	17419054	-1.3E+07	-2294149
1144.8	698780.9	-35.8837	-6.14031	17420421	-1.3E+07	-2298127
1145	698810.3	-35.876	-6.15097	17421786	-1.3E+07	-2302106
1145.2	698839.7	-35.8684	-6.16163	17423151	-1.3E+07	-2306085
1145.4	698869.2	-35.8607	-6.17229	17424515	-1.3E+07	-2310063
1145.6	698898.7	-35.853	-6.18296	17425877	-1.3E+07	-2314041
1145.8	698928.1	-35.8453	-6.19362	17427239	-1.3E+07	-2318019
1146	698957.6	-35.8376	-6.20428	17428600	-1.3E+07	-2321997
1146.2	698987.1	-35.83	-6.21494	17429961	-1.3E+07	-2325975
1146.4	699016.6	-35.8223	-6.2256	17431320	-1.3E+07	-2329953
1146.6	699046.1	-35.8146	-6.23626	17432678	-1.3E+07	-2333931
1146.8	699075.7	-35.8069	-6.24692	17434036	-1.3E+07	-2337908
1147	699105.2	-35.7992	-6.25758	17435392	-1.3E+07	-2341885
1147.2	699134.7	-35.7916	-6.26824	17436748	-1.3E+07	-2345863
1147.4	699164.3	-35.7839	-6.2789	17438103	-1.3E+07	-2349840
1147.6	699193.9	-35.7762	-6.28956	17439456	-1.3E+07	-2353817
1147.8	699223.4	-35.7685	-6.30022	17440809	-1.3E+07	-2357794
1148	699253	-35.7608	-6.31088	17442161	-1.3E+07	-2361770
1148.2	699282.6	-35.7531	-6.32154	17443513	-1.3E+07	-2365747

1148.4	699312.2	-35.7455	-6.3322	17444863	-1.3E+07	-2369723
1148.6	699341.8	-35.7378	-6.34286	17446212	-1.3E+07	-2373700
1148.8	699371.5	-35.7301	-6.35352	17447561	-1.3E+07	-2377676
1149	699401.1	-35.7224	-6.36418	17448908	-1.3E+07	-2381652
1149.2	699430.8	-35.7147	-6.37484	17450255	-1.3E+07	-2385628
1149.4	699460.4	-35.707	-6.3855	17451601	-1.3E+07	-2389603
1149.6	699490.1	-35.6994	-6.39615	17452946	-1.3E+07	-2393579
1149.8	699519.8	-35.6917	-6.40681	17454290	-1.3E+07	-2397555
1150	699549.4	-35.684	-6.41747	17455633	-1.3E+07	-2401530

Antares Orb-2 Middle Trajectory

TIME (sec)	ALT (ft)	LONG (deg)	GDLAT (deg)	XF (ft)	YF (ft)	ZF (ft)
0.001646	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.19998	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.201646	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.399979	-35.1767	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.599979	-35.179	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.799979	-35.1851	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.999979	-35.1916	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.199979	-35.1982	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.399979	-35.2057	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.599979	-35.2133	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.799979	-35.2208	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.999979	-35.2294	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.199979	-35.2332	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.399979	-35.0852	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.409979	-35.0714	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.599979	-34.6936	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.799979	-34.0558	-75.4877	37.83387	4146667	-1.6E+07	12765390
2.999979	-33.1702	-75.4877	37.83387	4146667	-1.6E+07	12765390
3.199979	-32.036	-75.4877	37.83387	4146668	-1.6E+07	12765391
3.399979	-30.6506	-75.4877	37.83387	4146668	-1.6E+07	12765392
3.599979	-29.0046	-75.4877	37.83387	4146668	-1.6E+07	12765393
3.799979	-27.0926	-75.4877	37.83387	4146668	-1.6E+07	12765394
3.999979	-24.9141	-75.4877	37.83387	4146669	-1.6E+07	12765395
4.199979	-22.4682	-75.4877	37.83387	4146669	-1.6E+07	12765397
4.399979	-19.7532	-75.4877	37.83387	4146670	-1.6E+07	12765398
4.599979	-16.7678	-75.4877	37.83387	4146671	-1.6E+07	12765400
4.799979	-13.5111	-75.4877	37.83387	4146672	-1.6E+07	12765402
4.999979	-9.98215	-75.4877	37.83387	4146673	-1.6E+07	12765404
5.199979	-6.17968	-75.4877	37.83387	4146674	-1.6E+07	12765406
5.399979	-2.10198	-75.4877	37.83387	4146675	-1.6E+07	12765408
5.599979	2.252872	-75.4877	37.83387	4146676	-1.6E+07	12765410
5.799979	6.886472	-75.4877	37.83386	4146677	-1.6E+07	12765412
5.999979	11.8002	-75.4877	37.83386	4146679	-1.6E+07	12765415
6.199979	16.9953	-75.4877	37.83386	4146680	-1.6E+07	12765418
6.399979	22.47298	-75.4877	37.83386	4146682	-1.6E+07	12765421
6.599979	28.23452	-75.4877	37.83386	4146683	-1.6E+07	12765424
6.799979	34.28131	-75.4877	37.83386	4146685	-1.6E+07	12765427
6.999979	40.61473	-75.4877	37.83385	4146687	-1.6E+07	12765430
7.199979	47.2361	-75.4877	37.83385	4146689	-1.6E+07	12765434
7.399979	54.1467	-75.4877	37.83385	4146691	-1.6E+07	12765437
7.599979	61.34794	-75.4877	37.83385	4146693	-1.6E+07	12765441
7.799979	68.84085	-75.4877	37.83385	4146695	-1.6E+07	12765445
7.999979	76.62668	-75.4877	37.83384	4146697	-1.6E+07	12765449

8.199979	84.70668	-75.4877	37.83384	4146699	-1.6E+07	12765454
8.399979	93.08213	-75.4877	37.83384	4146701	-1.6E+07	12765458
8.599979	101.7543	-75.4877	37.83384	4146704	-1.6E+07	12765463
8.799979	110.7245	-75.4877	37.83384	4146706	-1.6E+07	12765468
8.999979	119.9939	-75.4877	37.83383	4146709	-1.6E+07	12765473
9.199979	129.5638	-75.4877	37.83383	4146711	-1.6E+07	12765478
9.399979	139.4355	-75.4877	37.83383	4146714	-1.6E+07	12765484
9.599979	149.6102	-75.4877	37.83383	4146716	-1.6E+07	12765489
9.799979	160.0892	-75.4876	37.83382	4146719	-1.6E+07	12765495
9.999979	170.8739	-75.4876	37.83382	4146722	-1.6E+07	12765501
10.19998	181.9654	-75.4876	37.83382	4146725	-1.6E+07	12765507
10.39998	193.365	-75.4876	37.83382	4146728	-1.6E+07	12765514
10.59998	205.0739	-75.4876	37.83382	4146731	-1.6E+07	12765520
10.79998	217.0936	-75.4876	37.83381	4146734	-1.6E+07	12765527
10.99998	229.4253	-75.4876	37.83381	4146738	-1.6E+07	12765534
11.19998	242.0702	-75.4876	37.83381	4146741	-1.6E+07	12765541
11.39998	255.0296	-75.4876	37.83381	4146744	-1.6E+07	12765548
11.59998	268.3049	-75.4876	37.8338	4146748	-1.6E+07	12765556
11.79998	281.8972	-75.4876	37.8338	4146751	-1.6E+07	12765563
11.99998	295.8079	-75.4876	37.8338	4146755	-1.6E+07	12765571
12.19998	310.0383	-75.4876	37.8338	4146759	-1.6E+07	12765579
12.39998	324.5897	-75.4876	37.8338	4146763	-1.6E+07	12765587
12.59998	339.4634	-75.4876	37.83379	4146767	-1.6E+07	12765596
12.79998	354.6606	-75.4876	37.83379	4146771	-1.6E+07	12765604
12.99998	370.1828	-75.4876	37.83379	4146775	-1.6E+07	12765613
13.19998	386.0311	-75.4876	37.83379	4146779	-1.6E+07	12765622
13.39998	402.207	-75.4876	37.83378	4146783	-1.6E+07	12765631
13.59998	418.7117	-75.4876	37.83378	4146788	-1.6E+07	12765641
13.79998	435.5465	-75.4876	37.83378	4146792	-1.6E+07	12765650
13.99998	452.7126	-75.4876	37.83378	4146797	-1.6E+07	12765660
14.19998	470.2115	-75.4876	37.83377	4146801	-1.6E+07	12765670
14.39998	488.0446	-75.4876	37.83377	4146806	-1.6E+07	12765680
14.59998	506.2131	-75.4876	37.83377	4146811	-1.6E+07	12765691
14.79998	524.7183	-75.4876	37.83376	4146816	-1.6E+07	12765701
14.99998	543.5616	-75.4876	37.83376	4146821	-1.6E+07	12765712
15.19998	562.7442	-75.4876	37.83376	4146826	-1.6E+07	12765723
15.39998	582.2676	-75.4876	37.83376	4146831	-1.6E+07	12765734
15.59998	602.133	-75.4876	37.83375	4146837	-1.6E+07	12765746
15.79998	622.3418	-75.4876	37.83375	4146842	-1.6E+07	12765757
15.99998	642.8955	-75.4875	37.83375	4146848	-1.6E+07	12765769
16.19998	663.7952	-75.4875	37.83375	4146853	-1.6E+07	12765781
16.39998	685.0424	-75.4875	37.83374	4146859	-1.6E+07	12765793
16.59998	706.6385	-75.4875	37.83374	4146865	-1.6E+07	12765806
16.79998	728.5848	-75.4875	37.83374	4146871	-1.6E+07	12765818
16.99998	750.8826	-75.4875	37.83373	4146877	-1.6E+07	12765831
17.19998	773.5334	-75.4875	37.83373	4146883	-1.6E+07	12765844
17.39998	796.5384	-75.4875	37.83373	4146889	-1.6E+07	12765858

17.59998	819.8991	-75.4875	37.83372	4146896	-1.6E+07	12765871
17.79998	843.6169	-75.4875	37.83372	4146902	-1.6E+07	12765885
17.99998	867.6932	-75.4875	37.83372	4146909	-1.6E+07	12765899
18.19998	892.1295	-75.4875	37.83372	4146916	-1.6E+07	12765913
18.39998	916.9271	-75.4875	37.83371	4146922	-1.6E+07	12765927
18.59998	942.0873	-75.4875	37.83371	4146929	-1.6E+07	12765941
18.79998	967.6116	-75.4875	37.83371	4146936	-1.6E+07	12765956
18.99998	993.5013	-75.4875	37.83337	4146944	-1.6E+07	12765971
19.19998	1019.758	-75.4875	37.83337	4146951	-1.6E+07	12765986
19.39998	1046.383	-75.4874	37.83337	4146958	-1.6E+07	12766002
19.59998	1073.378	-75.4874	37.83369	4146966	-1.6E+07	12766017
19.79998	1100.744	-75.4874	37.83369	4146973	-1.6E+07	12766033
19.99998	1128.483	-75.4874	37.83369	4146981	-1.6E+07	12766049
20.19998	1156.596	-75.4874	37.83368	4146989	-1.6E+07	12766065
20.39998	1185.085	-75.4874	37.83368	4146997	-1.6E+07	12766082
20.59998	1213.951	-75.4874	37.83368	4147005	-1.6E+07	12766099
20.79998	1243.196	-75.4874	37.83367	4147013	-1.6E+07	12766115
20.99998	1272.82	-75.4874	37.83367	4147022	-1.6E+07	12766133
21.19998	1302.827	-75.4874	37.83367	4147030	-1.6E+07	12766150
21.39998	1333.216	-75.4874	37.83366	4147039	-1.6E+07	12766168
21.59998	1363.99	-75.4874	37.83366	4147047	-1.6E+07	12766185
21.79998	1395.15	-75.4874	37.83365	4147056	-1.6E+07	12766203
21.99998	1426.698	-75.4873	37.83365	4147065	-1.6E+07	12766222
22.19998	1458.636	-75.4873	37.83365	4147074	-1.6E+07	12766240
22.39998	1490.963	-75.4873	37.83364	4147084	-1.6E+07	12766259
22.59998	1523.684	-75.4873	37.83364	4147093	-1.6E+07	12766278
22.79998	1556.798	-75.4873	37.83364	4147102	-1.6E+07	12766297
22.99998	1590.307	-75.4873	37.83363	4147112	-1.6E+07	12766317
23.19998	1624.214	-75.4873	37.83363	4147122	-1.6E+07	12766336
23.39998	1658.519	-75.4873	37.83362	4147132	-1.6E+07	12766356
23.59998	1693.225	-75.4873	37.83362	4147142	-1.6E+07	12766376
23.79998	1728.332	-75.4873	37.83361	4147152	-1.6E+07	12766397
23.99998	1763.843	-75.4872	37.83361	4147162	-1.6E+07	12766417
24.19998	1799.759	-75.4872	37.83361	4147173	-1.6E+07	12766438
24.39998	1836.08	-75.4872	37.83336	4147183	-1.6E+07	12766459
24.59998	1872.798	-75.4872	37.83336	4147194	-1.6E+07	12766480
24.79998	1909.902	-75.4872	37.83359	4147205	-1.6E+07	12766502
24.99998	1947.38	-75.4872	37.83359	4147216	-1.6E+07	12766524
25.19998	1985.221	-75.4872	37.83359	4147227	-1.6E+07	12766545
25.39998	2023.414	-75.4872	37.83358	4147238	-1.6E+07	12766568
25.59998	2061.957	-75.4871	37.83358	4147249	-1.6E+07	12766590
25.79998	2100.852	-75.4871	37.83357	4147261	-1.6E+07	12766613
25.99998	2140.101	-75.4871	37.83357	4147273	-1.6E+07	12766635
26.19998	2179.705	-75.4871	37.83356	4147284	-1.6E+07	12766658
26.39998	2219.666	-75.4871	37.83356	4147296	-1.6E+07	12766681
26.59998	2259.984	-75.4871	37.83355	4147308	-1.6E+07	12766705
26.79998	2300.663	-75.4871	37.83355	4147320	-1.6E+07	12766728

26.99998	2341.703	-75.4871	37.83354	4147333	-1.6E+07	12766752
27.19998	2383.106	-75.487	37.83354	4147345	-1.6E+07	12766776
27.39998	2424.874	-75.487	37.83353	4147358	-1.6E+07	12766800
27.59998	2467.007	-75.487	37.83353	4147370	-1.6E+07	12766825
27.79998	2509.509	-75.487	37.83352	4147383	-1.6E+07	12766849
27.99998	2552.379	-75.487	37.83352	4147396	-1.6E+07	12766874
28.19998	2595.62	-75.487	37.83351	4147409	-1.6E+07	12766899
28.39998	2639.234	-75.487	37.83351	4147422	-1.6E+07	12766925
28.59998	2683.222	-75.4869	37.8335	4147436	-1.6E+07	12766950
28.79998	2727.586	-75.4869	37.8335	4147449	-1.6E+07	12766976
28.99998	2772.328	-75.4869	37.83349	4147463	-1.6E+07	12767002
29.19998	2817.45	-75.4869	37.83349	4147477	-1.6E+07	12767028
29.39998	2862.953	-75.4869	37.83348	4147491	-1.6E+07	12767054
29.59998	2908.838	-75.4869	37.83348	4147505	-1.6E+07	12767081
29.79998	2955.109	-75.4868	37.83347	4147519	-1.6E+07	12767108
29.99998	3001.765	-75.4868	37.83347	4147534	-1.6E+07	12767135
30.04998	3013.49	-75.4868	37.83346	4147537	-1.6E+07	12767141
30.19998	3048.81	-75.4868	37.83346	4147548	-1.6E+07	12767162
30.24998	3060.631	-75.4868	37.83346	4147552	-1.6E+07	12767169
30.39998	3096.243	-75.4868	37.83345	4147563	-1.6E+07	12767189
30.59998	3144.069	-75.4868	37.83345	4147578	-1.6E+07	12767217
30.79998	3192.287	-75.4867	37.83344	4147593	-1.6E+07	12767245
30.99998	3240.899	-75.4867	37.83344	4147608	-1.6E+07	12767273
31.19998	3289.908	-75.4867	37.83343	4147623	-1.6E+07	12767302
31.39998	3339.315	-75.4867	37.83343	4147639	-1.6E+07	12767330
31.59998	3389.12	-75.4867	37.83342	4147654	-1.6E+07	12767359
31.79998	3439.327	-75.4867	37.83341	4147670	-1.6E+07	12767388
31.99998	3489.937	-75.4866	37.83341	4147686	-1.6E+07	12767417
32.19998	3540.951	-75.4866	37.8334	4147702	-1.6E+07	12767447
32.39998	3592.37	-75.4866	37.83339	4147718	-1.6E+07	12767477
32.59998	3644.197	-75.4866	37.83339	4147735	-1.6E+07	12767507
32.79998	3696.434	-75.4865	37.83338	4147751	-1.6E+07	12767537
32.99998	3749.08	-75.4865	37.83338	4147768	-1.6E+07	12767567
33.19998	3802.139	-75.4865	37.83337	4147785	-1.6E+07	12767598
33.39998	3855.613	-75.4865	37.83336	4147802	-1.6E+07	12767629
33.59998	3909.501	-75.4865	37.83336	4147819	-1.6E+07	12767660
33.79998	3963.807	-75.4864	37.83335	4147837	-1.6E+07	12767691
33.99998	4018.532	-75.4864	37.83334	4147854	-1.6E+07	12767723
34.19998	4073.677	-75.4864	37.83334	4147872	-1.6E+07	12767755
34.39998	4129.245	-75.4864	37.83333	4147890	-1.6E+07	12767787
34.59998	4185.236	-75.4863	37.83332	4147908	-1.6E+07	12767820
34.79998	4241.652	-75.4863	37.83332	4147926	-1.6E+07	12767852
34.99998	4298.496	-75.4863	37.83331	4147945	-1.6E+07	12767885
35.19998	4355.768	-75.4863	37.8333	4147963	-1.6E+07	12767918
35.39998	4413.471	-75.4862	37.8333	4147982	-1.6E+07	12767952
35.59998	4471.606	-75.4862	37.83329	4148001	-1.6E+07	12767985
35.79998	4530.175	-75.4862	37.83328	4148020	-1.6E+07	12768019

35.99998	4589.179	-75.4862	37.83327	4148039	-1.6E+07	12768053
36.19998	4648.62	-75.4861	37.83327	4148059	-1.6E+07	12768087
36.39998	4708.5	-75.4861	37.83326	4148078	-1.6E+07	12768122
36.59998	4768.82	-75.4861	37.83325	4148098	-1.6E+07	12768157
36.79998	4829.583	-75.4861	37.83324	4148118	-1.6E+07	12768192
36.99998	4890.79	-75.486	37.83324	4148138	-1.6E+07	12768227
37.19998	4952.442	-75.486	37.83323	4148159	-1.6E+07	12768263
37.39998	5014.542	-75.486	37.83322	4148179	-1.6E+07	12768299
37.59998	5077.091	-75.486	37.83321	4148200	-1.6E+07	12768335
37.79998	5140.091	-75.4859	37.83321	4148221	-1.6E+07	12768371
37.99998	5203.543	-75.4859	37.8332	4148242	-1.6E+07	12768408
38.19998	5267.45	-75.4859	37.83319	4148263	-1.6E+07	12768445
38.39998	5331.812	-75.4858	37.83318	4148285	-1.6E+07	12768482
38.59998	5396.632	-75.4858	37.83317	4148306	-1.6E+07	12768519
38.79998	5461.912	-75.4858	37.83316	4148328	-1.6E+07	12768557
38.99998	5527.653	-75.4857	37.83316	4148350	-1.6E+07	12768595
39.19998	5593.858	-75.4857	37.83315	4148372	-1.6E+07	12768633
39.39998	5660.527	-75.4857	37.83314	4148395	-1.6E+07	12768672
39.59998	5727.663	-75.4857	37.83313	4148417	-1.6E+07	12768710
39.79998	5795.267	-75.4856	37.83312	4148440	-1.6E+07	12768749
39.99998	5863.341	-75.4856	37.83311	4148463	-1.6E+07	12768789
40.04998	5880.433	-75.4856	37.83311	4148469	-1.6E+07	12768799
40.19998	5931.888	-75.4856	37.83311	4148486	-1.6E+07	12768828
40.24998	5949.098	-75.4855	37.8331	4148492	-1.6E+07	12768838
40.39998	6000.908	-75.4855	37.8331	4148510	-1.6E+07	12768868
40.59998	6070.404	-75.4855	37.83309	4148533	-1.6E+07	12768908
40.79998	6140.377	-75.4855	37.83308	4148557	-1.6E+07	12768949
40.99998	6210.83	-75.4854	37.83307	4148581	-1.6E+07	12768989
41.19998	6281.763	-75.4854	37.83306	4148605	-1.6E+07	12769030
41.39998	6353.18	-75.4854	37.83305	4148630	-1.6E+07	12769071
41.59998	6425.081	-75.4853	37.83304	4148654	-1.6E+07	12769113
41.79998	6497.468	-75.4853	37.83303	4148679	-1.6E+07	12769154
41.99998	6570.343	-75.4852	37.83302	4148704	-1.6E+07	12769196
42.19998	6643.709	-75.4852	37.83301	4148729	-1.6E+07	12769239
42.39998	6717.566	-75.4852	37.833	4148755	-1.6E+07	12769281
42.59998	6791.918	-75.4851	37.833	4148780	-1.6E+07	12769324
42.79998	6866.765	-75.4851	37.83299	4148806	-1.6E+07	12769367
42.99998	6942.109	-75.4851	37.83298	4148832	-1.6E+07	12769411
43.19998	7017.953	-75.485	37.83297	4148858	-1.6E+07	12769454
43.39998	7094.299	-75.485	37.83296	4148885	-1.6E+07	12769498
43.59998	7171.149	-75.4849	37.83295	4148912	-1.6E+07	12769543
43.79998	7248.503	-75.4849	37.83294	4148939	-1.6E+07	12769587
43.99998	7326.364	-75.4849	37.83293	4148966	-1.6E+07	12769632
44.19998	7404.732	-75.4848	37.83292	4148993	-1.6E+07	12769677
44.39998	7483.609	-75.4848	37.8329	4149021	-1.6E+07	12769722
44.59998	7562.996	-75.4847	37.83289	4149048	-1.6E+07	12769768
44.79998	7642.894	-75.4847	37.83288	4149076	-1.6E+07	12769814

44.99998	7723.303	-75.4847	37.83287	4149105	-1.6E+07	12769860
45.19998	7804.224	-75.4846	37.83286	4149134	-1.6E+07	12769906
45.39998	7885.659	-75.4846	37.83285	4149162	-1.6E+07	12769953
45.59998	7967.608	-75.4845	37.83284	4149192	-1.6E+07	12770000
45.79998	8050.075	-75.4845	37.83282	4149221	-1.6E+07	12770047
45.99998	8133.06	-75.4844	37.83281	4149251	-1.6E+07	12770094
46.19998	8216.565	-75.4844	37.8328	4149281	-1.6E+07	12770141
46.39998	8300.593	-75.4843	37.83279	4149311	-1.6E+07	12770189
46.59998	8385.145	-75.4843	37.83277	4149342	-1.6E+07	12770237
46.79998	8470.223	-75.4843	37.83276	4149373	-1.6E+07	12770285
46.99998	8555.828	-75.4842	37.83274	4149404	-1.6E+07	12770333
47.19998	8641.963	-75.4842	37.83273	4149436	-1.6E+07	12770382
47.39998	8728.63	-75.4841	37.83271	4149468	-1.6E+07	12770431
47.59998	8815.831	-75.4841	37.8327	4149500	-1.6E+07	12770480
47.79998	8903.567	-75.484	37.83268	4149533	-1.6E+07	12770529
47.99998	8991.84	-75.484	37.83267	4149565	-1.6E+07	12770579
48.19998	9080.65	-75.4839	37.83265	4149599	-1.6E+07	12770628
48.39998	9170.001	-75.4838	37.83263	4149632	-1.6E+07	12770678
48.59998	9259.894	-75.4838	37.83262	4149666	-1.6E+07	12770729
48.79998	9350.332	-75.4837	37.8326	4149700	-1.6E+07	12770779
48.99998	9441.315	-75.4837	37.83258	4149734	-1.6E+07	12770830
49.19997	9532.844	-75.4836	37.83256	4149769	-1.6E+07	12770881
49.39997	9624.922	-75.4836	37.83254	4149804	-1.6E+07	12770932
49.59997	9717.551	-75.4835	37.83252	4149840	-1.6E+07	12770983
49.79997	9810.731	-75.4835	37.83251	4149875	-1.6E+07	12771035
49.99997	9904.466	-75.4834	37.83249	4149911	-1.6E+07	12771086
50.19997	9998.755	-75.4833	37.83247	4149948	-1.6E+07	12771138
50.39997	10093.6	-75.4833	37.83244	4149985	-1.6E+07	12771191
50.59997	10189.01	-75.4832	37.83242	4150022	-1.6E+07	12771243
50.79997	10284.97	-75.4832	37.8324	4150059	-1.6E+07	12771296
50.99997	10381.5	-75.4831	37.83238	4150097	-1.6E+07	12771349
51.19997	10478.59	-75.483	37.83236	4150136	-1.6E+07	12771402
51.39997	10576.25	-75.483	37.83234	4150174	-1.6E+07	12771455
51.59997	10674.48	-75.4829	37.83231	4150213	-1.6E+07	12771509
51.79997	10773.27	-75.4828	37.83229	4150253	-1.6E+07	12771563
51.99997	10872.63	-75.4828	37.83226	4150292	-1.6E+07	12771617
52.19997	10972.57	-75.4827	37.83224	4150332	-1.6E+07	12771671
52.39997	11073.08	-75.4826	37.83222	4150373	-1.6E+07	12771726
52.59997	11174.17	-75.4826	37.83219	4150414	-1.6E+07	12771780
52.79997	11275.83	-75.4825	37.83216	4150455	-1.6E+07	12771835
52.99997	11378.07	-75.4824	37.83214	4150497	-1.6E+07	12771890
53.19997	11480.9	-75.4823	37.83211	4150539	-1.6E+07	12771946
53.39997	11584.3	-75.4823	37.83208	4150581	-1.6E+07	12772001
53.59997	11688.29	-75.4822	37.83206	4150624	-1.6E+07	12772057
53.79997	11792.87	-75.4821	37.83203	4150667	-1.6E+07	12772113
53.99997	11898.03	-75.4821	37.832	4150711	-1.6E+07	12772169
54.19997	12003.78	-75.482	37.83197	4150755	-1.6E+07	12772226

54.39997	12110.13	-75.4819	37.83194	4150799	-1.6E+07	12772283
54.59997	12217.07	-75.4818	37.83191	4150844	-1.6E+07	12772339
54.79997	12324.6	-75.4817	37.83188	4150889	-1.6E+07	12772397
54.99997	12432.72	-75.4817	37.83185	4150935	-1.6E+07	12772454
55.19997	12541.44	-75.4816	37.83182	4150981	-1.6E+07	12772511
55.39997	12650.77	-75.4815	37.83178	4151028	-1.6E+07	12772569
55.59997	12760.69	-75.4814	37.83175	4151075	-1.6E+07	12772627
55.79997	12871.22	-75.4813	37.83172	4151122	-1.6E+07	12772685
55.99997	12982.35	-75.4812	37.83168	4151170	-1.6E+07	12772744
56.19997	13094.09	-75.4812	37.83165	4151218	-1.6E+07	12772802
56.39997	13206.43	-75.4811	37.83161	4151267	-1.6E+07	12772861
56.59997	13319.39	-75.481	37.83158	4151316	-1.6E+07	12772920
56.79997	13432.95	-75.4809	37.83154	4151366	-1.6E+07	12772979
56.99997	13547.13	-75.4808	37.83151	4151416	-1.6E+07	12773039
57.19997	13661.92	-75.4807	37.83147	4151466	-1.6E+07	12773099
57.39997	13777.33	-75.4806	37.83143	4151517	-1.6E+07	12773158
57.59997	13893.35	-75.4805	37.83139	4151569	-1.6E+07	12773219
57.79997	14010	-75.4804	37.83135	4151621	-1.6E+07	12773279
57.99997	14127.26	-75.4803	37.83131	4151673	-1.6E+07	12773339
58.19997	14245.15	-75.4802	37.83127	4151726	-1.6E+07	12773400
58.39997	14363.65	-75.4801	37.83123	4151780	-1.6E+07	12773461
58.59997	14482.79	-75.48	37.83119	4151834	-1.6E+07	12773522
58.79997	14602.55	-75.4799	37.83115	4151888	-1.6E+07	12773583
58.99997	14722.94	-75.4798	37.83111	4151943	-1.6E+07	12773645
59.19997	14843.96	-75.4797	37.83106	4151998	-1.6E+07	12773706
59.39997	14965.61	-75.4796	37.83102	4152054	-1.6E+07	12773768
59.59997	15087.89	-75.4795	37.83097	4152111	-1.6E+07	12773830
59.79997	15210.81	-75.4794	37.83093	4152168	-1.6E+07	12773893
59.99997	15334.37	-75.4793	37.83088	4152225	-1.6E+07	12773955
60.19997	15458.56	-75.4792	37.83083	4152283	-1.6E+07	12774018
60.39997	15583.4	-75.4791	37.83079	4152341	-1.6E+07	12774081
60.59997	15708.87	-75.479	37.83074	4152400	-1.6E+07	12774144
60.79997	15834.99	-75.4788	37.83069	4152460	-1.6E+07	12774207
60.99997	15961.75	-75.4787	37.83064	4152520	-1.6E+07	12774270
61.19997	16089.15	-75.4786	37.83059	4152581	-1.6E+07	12774334
61.39997	16217.21	-75.4785	37.83054	4152642	-1.6E+07	12774398
61.59997	16345.91	-75.4784	37.83049	4152703	-1.6E+07	12774462
61.79997	16475.25	-75.4783	37.83043	4152766	-1.6E+07	12774526
61.99997	16605.25	-75.4781	37.83038	4152828	-1.6E+07	12774590
62.19997	16735.91	-75.478	37.83032	4152892	-1.6E+07	12774655
62.39997	16867.21	-75.4779	37.83027	4152955	-1.6E+07	12774719
62.59997	16999.17	-75.4778	37.83021	4153020	-1.6E+07	12774784
62.79997	17131.78	-75.4776	37.83016	4153085	-1.6E+07	12774849
62.99997	17265.05	-75.4775	37.8301	4153151	-1.6E+07	12774914
63.19997	17398.97	-75.4774	37.83004	4153217	-1.6E+07	12774980
63.39997	17533.56	-75.4772	37.82998	4153283	-1.6E+07	12775045
63.59997	17668.8	-75.4771	37.82992	4153351	-1.6E+07	12775111

63.79997	17804.71	-75.477	37.82986	4153419	-1.6E+07	12775177
63.99997	17941.27	-75.4768	37.8298	4153487	-1.6E+07	12775243
64.19997	18078.5	-75.4767	37.82974	4153556	-1.6E+07	12775309
64.39997	18216.4	-75.4766	37.82967	4153626	-1.6E+07	12775375
64.59997	18354.96	-75.4764	37.82961	4153696	-1.6E+07	12775442
64.79997	18494.19	-75.4763	37.82955	4153767	-1.6E+07	12775509
64.99997	18634.08	-75.4761	37.82948	4153839	-1.6E+07	12775575
65.19997	18774.65	-75.476	37.82941	4153911	-1.6E+07	12775642
65.39997	18915.88	-75.4759	37.82934	4153983	-1.6E+07	12775710
65.59997	19057.77	-75.4757	37.82928	4154057	-1.6E+07	12775777
65.79997	19200.3	-75.4756	37.82921	4154131	-1.6E+07	12775844
65.99997	19343.46	-75.4754	37.82914	4154205	-1.6E+07	12775912
66.19997	19487.22	-75.4753	37.82906	4154280	-1.6E+07	12775979
66.39997	19631.59	-75.4751	37.82899	4154356	-1.6E+07	12776047
66.59997	19776.55	-75.4749	37.82892	4154433	-1.6E+07	12776115
66.79997	19922.11	-75.4748	37.82885	4154510	-1.6E+07	12776183
66.99997	20068.27	-75.4746	37.82877	4154587	-1.6E+07	12776251
67.19997	20215.03	-75.4745	37.82869	4154665	-1.6E+07	12776319
67.39997	20362.38	-75.4743	37.82862	4154744	-1.6E+07	12776387
67.59997	20510.34	-75.4741	37.82854	4154824	-1.6E+07	12776456
67.79997	20658.9	-75.474	37.82846	4154904	-1.6E+07	12776524
67.99997	20808.06	-75.4738	37.82838	4154984	-1.6E+07	12776593
68.19997	20957.82	-75.4736	37.8283	4155066	-1.6E+07	12776661
68.39997	21108.19	-75.4735	37.82822	4155148	-1.6E+07	12776730
68.59997	21259.17	-75.4733	37.82814	4155230	-1.6E+07	12776799
68.79997	21410.75	-75.4731	37.82805	4155314	-1.6E+07	12776867
68.99997	21562.94	-75.4729	37.82797	4155398	-1.6E+07	12776936
69.19997	21715.73	-75.4728	37.82788	4155482	-1.6E+07	12777005
69.39997	21869.13	-75.4726	37.82779	4155567	-1.6E+07	12777074
69.59997	22023.14	-75.4724	37.82771	4155653	-1.6E+07	12777143
69.79997	22177.76	-75.4722	37.82762	4155740	-1.6E+07	12777213
69.99997	22333	-75.472	37.82753	4155827	-1.6E+07	12777282
70.19997	22488.84	-75.4719	37.82744	4155915	-1.6E+07	12777351
70.39997	22645.29	-75.4717	37.82734	4156004	-1.6E+07	12777421
70.59997	22802.36	-75.4715	37.82725	4156093	-1.6E+07	12777490
70.79997	22960.04	-75.4713	37.82716	4156183	-1.6E+07	12777559
70.99997	23118.34	-75.4711	37.82706	4156274	-1.6E+07	12777629
71.19997	23277.25	-75.4709	37.82696	4156365	-1.6E+07	12777699
71.39997	23436.77	-75.4707	37.82686	4156457	-1.6E+07	12777768
71.59997	23596.91	-75.4705	37.82677	4156550	-1.6E+07	12777838
71.79997	23757.66	-75.4703	37.82667	4156643	-1.6E+07	12777908
71.99997	23919.03	-75.4701	37.82656	4156737	-1.6E+07	12777977
72.19997	24081.02	-75.4699	37.82646	4156832	-1.6E+07	12778047
72.39997	24243.61	-75.4697	37.82636	4156928	-1.6E+07	12778117
72.59997	24406.82	-75.4695	37.82625	4157024	-1.6E+07	12778187
72.79997	24570.65	-75.4693	37.82615	4157121	-1.6E+07	12778257
72.99997	24735.09	-75.4691	37.82604	4157219	-1.6E+07	12778326

73.19997	24900.15	-75.4689	37.82593	4157318	-1.6E+07	12778396
73.39997	25065.83	-75.4686	37.82582	4157417	-1.6E+07	12778466
73.59997	25232.11	-75.4684	37.82571	4157517	-1.6E+07	12778536
73.79997	25399.02	-75.4682	37.8256	4157618	-1.6E+07	12778606
73.99997	25566.53	-75.468	37.82548	4157719	-1.6E+07	12778676
74.19997	25734.67	-75.4678	37.82537	4157821	-1.6E+07	12778746
74.39997	25903.42	-75.4675	37.82525	4157924	-1.6E+07	12778816
74.59997	26072.78	-75.4673	37.82513	4158028	-1.6E+07	12778886
74.79997	26242.76	-75.4671	37.82501	4158133	-1.6E+07	12778956
74.99997	26413.35	-75.4669	37.82489	4158238	-1.6E+07	12779026
75.19997	26584.56	-75.4666	37.82477	4158344	-1.6E+07	12779096
75.39997	26756.39	-75.4664	37.82465	4158451	-1.6E+07	12779166
75.59997	26928.82	-75.4661	37.82452	4158558	-1.6E+07	12779236
75.79997	27101.87	-75.4659	37.8244	4158667	-1.6E+07	12779306
75.99997	27275.54	-75.4657	37.82427	4158776	-1.6E+07	12779376
76.19997	27449.82	-75.4654	37.82414	4158886	-1.6E+07	12779445
76.39997	27624.71	-75.4652	37.82401	4158997	-1.6E+07	12779515
76.59997	27800.21	-75.4649	37.82388	4159108	-1.6E+07	12779585
76.79997	27976.32	-75.4647	37.82375	4159220	-1.6E+07	12779655
76.99997	28153.05	-75.4644	37.82361	4159334	-1.6E+07	12779724
77.19997	28330.39	-75.4642	37.82348	4159448	-1.6E+07	12779794
77.39997	28508.33	-75.4639	37.82334	4159562	-1.6E+07	12779864
77.59997	28686.89	-75.4637	37.8232	4159678	-1.6E+07	12779933
77.79997	28866.05	-75.4634	37.82306	4159794	-1.6E+07	12780003
77.99997	29045.82	-75.4631	37.82292	4159912	-1.6E+07	12780072
78.19997	29226.2	-75.4629	37.82278	4160030	-1.6E+07	12780141
78.39997	29407.19	-75.4626	37.82263	4160148	-1.6E+07	12780211
78.59997	29588.77	-75.4623	37.82249	4160268	-1.6E+07	12780280
78.79997	29770.96	-75.4621	37.82234	4160389	-1.6E+07	12780349
78.99997	29953.75	-75.4618	37.82219	4160510	-1.6E+07	12780418
79.19997	30137.15	-75.4615	37.82204	4160632	-1.6E+07	12780487
79.39997	30321.14	-75.4612	37.82189	4160756	-1.6E+07	12780556
79.59997	30505.74	-75.4609	37.82173	4160879	-1.6E+07	12780625
79.79997	30690.93	-75.4607	37.82158	4161004	-1.6E+07	12780694
79.99997	30876.72	-75.4604	37.82142	4161130	-1.6E+07	12780762
80.04997	30923.26	-75.4603	37.82138	4161162	-1.6E+07	12780779
80.19997	31063.11	-75.4601	37.82126	4161256	-1.6E+07	12780831
80.24997	31109.79	-75.46	37.82122	4161288	-1.6E+07	12780848
80.39997	31250.09	-75.4598	37.8211	4161384	-1.6E+07	12780899
80.59997	31437.67	-75.4595	37.82094	4161512	-1.6E+07	12780968
80.79997	31625.83	-75.4592	37.82077	4161641	-1.6E+07	12781036
80.99997	31814.59	-75.4589	37.82061	4161771	-1.6E+07	12781104
81.19997	32003.95	-75.4586	37.82044	4161902	-1.6E+07	12781172
81.39997	32193.89	-75.4583	37.82027	4162034	-1.6E+07	12781240
81.59997	32384.43	-75.458	37.8201	4162167	-1.6E+07	12781307
81.79997	32575.56	-75.4577	37.81993	4162300	-1.6E+07	12781375
81.99997	32767.28	-75.4574	37.81976	4162434	-1.6E+07	12781443

82.19997	32959.59	-75.4571	37.81958	4162570	-1.6E+07	12781510
82.39997	33152.49	-75.4568	37.8194	4162706	-1.6E+07	12781577
82.59997	33345.99	-75.4565	37.81923	4162843	-1.6E+07	12781644
82.79997	33540.07	-75.4561	37.81904	4162981	-1.6E+07	12781711
82.99997	33734.75	-75.4558	37.81886	4163120	-1.6E+07	12781778
83.19997	33930.02	-75.4555	37.81868	4163260	-1.6E+07	12781845
83.39997	34125.88	-75.4552	37.81849	4163401	-1.6E+07	12781911
83.59997	34322.33	-75.4548	37.8183	4163543	-1.6E+07	12781978
83.79997	34519.38	-75.4545	37.81811	4163685	-1.6E+07	12782044
83.99997	34717.01	-75.4542	37.81792	4163829	-1.6E+07	12782110
84.19997	34915.23	-75.4538	37.81773	4163973	-1.6E+07	12782176
84.39997	35114.05	-75.4535	37.81753	4164119	-1.6E+07	12782241
84.59997	35313.46	-75.4531	37.81734	4164265	-1.6E+07	12782307
84.79997	35513.46	-75.4528	37.81714	4164413	-1.6E+07	12782372
84.99997	35714.05	-75.4525	37.81694	4164561	-1.6E+07	12782437
85.19997	35915.23	-75.4521	37.81674	4164710	-1.6E+07	12782502
85.39997	36116.99	-75.4518	37.81653	4164861	-1.6E+07	12782567
85.59997	36319.36	-75.4514	37.81633	4165012	-1.6E+07	12782632
85.79997	36522.31	-75.451	37.81612	4165164	-1.6E+07	12782696
85.99997	36725.85	-75.4507	37.81591	4165317	-1.6E+07	12782761
86.19997	36929.98	-75.4503	37.81569	4165472	-1.6E+07	12782825
86.39997	37134.7	-75.4499	37.81548	4165627	-1.6E+07	12782888
86.59997	37340.01	-75.4496	37.81527	4165783	-1.6E+07	12782952
86.79997	37545.92	-75.4492	37.81505	4165940	-1.6E+07	12783015
86.99997	37752.41	-75.4488	37.81483	4166098	-1.6E+07	12783079
87.19997	37959.49	-75.4485	37.81461	4166258	-1.6E+07	12783142
87.39997	38167.16	-75.4481	37.81438	4166418	-1.6E+07	12783205
87.59997	38375.42	-75.4477	37.81416	4166579	-1.6E+07	12783267
87.79997	38584.27	-75.4473	37.81393	4166741	-1.6E+07	12783330
87.99997	38793.71	-75.4469	37.8137	4166905	-1.6E+07	12783392
88.19997	39003.73	-75.4465	37.81347	4167069	-1.6E+07	12783454
88.39997	39214.35	-75.4461	37.81323	4167234	-1.6E+07	12783515
88.59997	39425.55	-75.4457	37.813	4167401	-1.6E+07	12783577
88.79997	39637.35	-75.4453	37.81276	4167568	-1.6E+07	12783638
88.99997	39849.73	-75.4449	37.81252	4167737	-1.6E+07	12783699
89.19997	40062.7	-75.4445	37.81227	4167906	-1.6E+07	12783760
89.39997	40276.25	-75.4441	37.81203	4168077	-1.6E+07	12783820
89.59997	40490.39	-75.4437	37.81178	4168249	-1.6E+07	12783880
89.79997	40705.12	-75.4433	37.81154	4168422	-1.6E+07	12783940
89.99997	40920.44	-75.4429	37.81128	4168595	-1.6E+07	12784000
90.04997	40974.36	-75.4428	37.81122	4168639	-1.6E+07	12784015
90.19997	41136.34	-75.4425	37.81103	4168770	-1.6E+07	12784059
90.24997	41190.4	-75.4423	37.81097	4168814	-1.6E+07	12784074
90.39997	41352.82	-75.442	37.81078	4168947	-1.6E+07	12784118
90.59997	41569.88	-75.4416	37.81052	4169124	-1.6E+07	12784177
90.79997	41787.53	-75.4412	37.81026	4169302	-1.6E+07	12784236
90.99997	42005.76	-75.4407	37.81	4169481	-1.6E+07	12784294

91.19997	42224.57	-75.4403	37.80973	4169662	-1.6E+07	12784352
91.39997	42443.95	-75.4399	37.80947	4169843	-1.6E+07	12784410
91.59997	42663.92	-75.4394	37.8092	4170026	-1.6E+07	12784468
91.79997	42884.46	-75.439	37.80893	4170210	-1.6E+07	12784525
91.99997	43105.58	-75.4385	37.80866	4170395	-1.6E+07	12784582
92.19997	43327.28	-75.4381	37.80838	4170581	-1.6E+07	12784638
92.39997	43549.54	-75.4376	37.8081	4170769	-1.6E+07	12784694
92.59997	43772.38	-75.4372	37.80782	4170957	-1.6E+07	12784750
92.79997	43995.79	-75.4367	37.80754	4171147	-1.6E+07	12784806
92.99997	44219.78	-75.4362	37.80726	4171338	-1.6E+07	12784861
93.19997	44444.33	-75.4358	37.80697	4171530	-1.6E+07	12784916
93.39997	44669.46	-75.4353	37.80668	4171723	-1.6E+07	12784971
93.59997	44895.15	-75.4348	37.80639	4171917	-1.6E+07	12785025
93.79997	45121.41	-75.4343	37.80609	4172113	-1.6E+07	12785079
93.99997	45348.23	-75.4339	37.8058	4172310	-1.6E+07	12785133
94.19997	45575.62	-75.4334	37.8055	4172508	-1.6E+07	12785186
94.39997	45803.57	-75.4329	37.8052	4172707	-1.6E+07	12785239
94.59997	46032.08	-75.4324	37.8049	4172907	-1.6E+07	12785291
94.79997	46261.15	-75.4319	37.80459	4173109	-1.6E+07	12785344
94.99997	46490.79	-75.4314	37.80428	4173312	-1.6E+07	12785395
95.19997	46720.97	-75.4309	37.80397	4173516	-1.6E+07	12785447
95.39997	46951.71	-75.4304	37.80366	4173721	-1.6E+07	12785498
95.59997	47183.01	-75.4299	37.80334	4173928	-1.6E+07	12785549
95.79997	47414.86	-75.4294	37.80302	4174136	-1.6E+07	12785599
95.99997	47647.26	-75.4288	37.8027	4174345	-1.6E+07	12785649
96.19997	47880.22	-75.4283	37.80238	4174555	-1.6E+07	12785699
96.39997	48113.71	-75.4278	37.80205	4174767	-1.6E+07	12785748
96.59997	48347.76	-75.4273	37.80172	4174980	-1.6E+07	12785796
96.79997	48582.36	-75.4267	37.80139	4175194	-1.6E+07	12785845
96.99997	48817.5	-75.4262	37.80106	4175410	-1.6E+07	12785893
97.19997	49053.18	-75.4257	37.80072	4175627	-1.6E+07	12785940
97.39997	49289.39	-75.4251	37.80039	4175845	-1.6E+07	12785987
97.59997	49526.15	-75.4246	37.80004	4176064	-1.6E+07	12786034
97.79997	49763.45	-75.424	37.7997	4176285	-1.6E+07	12786080
97.99997	50001.29	-75.4235	37.79935	4176507	-1.6E+07	12786126
98.19997	50239.66	-75.4229	37.799	4176731	-1.6E+07	12786172
98.39997	50478.55	-75.4224	37.79865	4176955	-1.6E+07	12786217
98.59997	50717.98	-75.4218	37.7983	4177182	-1.6E+07	12786261
98.79997	50957.94	-75.4212	37.79794	4177409	-1.6E+07	12786305
98.99997	51198.43	-75.4206	37.79758	4177638	-1.6E+07	12786349
99.19997	51439.44	-75.4201	37.79722	4177868	-1.6E+07	12786392
99.39997	51680.97	-75.4195	37.79685	4178100	-1.6E+07	12786435
99.59997	51923.03	-75.4189	37.79649	4178333	-1.6E+07	12786477
99.79997	52165.61	-75.4183	37.79612	4178567	-1.6E+07	12786519
99.99997	52408.71	-75.4177	37.79574	4178803	-1.6E+07	12786560
100.2	52652.32	-75.4171	37.79537	4179040	-1.6E+07	12786601
100.4	52896.45	-75.4165	37.79499	4179278	-1.6E+07	12786641

100.6	53141.1	-75.4159	37.79461	4179518	-1.6E+07	12786681
100.8	53386.26	-75.4153	37.79422	4179760	-1.6E+07	12786720
101	53631.93	-75.4147	37.79383	4180002	-1.6E+07	12786759
101.2	53878.11	-75.4141	37.79344	4180247	-1.6E+07	12786797
101.4	54124.8	-75.4135	37.79305	4180492	-1.6E+07	12786835
101.6	54372	-75.4128	37.79266	4180739	-1.6E+07	12786872
101.8	54619.7	-75.4122	37.79226	4180988	-1.6E+07	12786909
102	54867.91	-75.4116	37.79186	4181238	-1.6E+07	12786946
102.2	55116.63	-75.4109	37.79145	4181489	-1.6E+07	12786981
102.4	55365.84	-75.4103	37.79104	4181742	-1.6E+07	12787016
102.6	55615.55	-75.4096	37.79063	4181997	-1.6E+07	12787051
102.8	55865.76	-75.409	37.79022	4182253	-1.6E+07	12787085
103	56116.47	-75.4083	37.7898	4182510	-1.6E+07	12787119
103.2	56367.67	-75.4077	37.78939	4182769	-1.6E+07	12787152
103.4	56619.36	-75.407	37.78896	4183029	-1.6E+07	12787184
103.6	56871.54	-75.4063	37.78854	4183291	-1.6E+07	12787216
103.8	57124.21	-75.4057	37.78811	4183554	-1.6E+07	12787248
104	57377.36	-75.405	37.78768	4183819	-1.6E+07	12787279
104.2	57631	-75.4043	37.78725	4184086	-1.6E+07	12787309
104.4	57885.11	-75.4036	37.78681	4184354	-1.6E+07	12787338
104.6	58139.7	-75.4029	37.78637	4184623	-1.6E+07	12787367
104.8	58394.78	-75.4022	37.78593	4184894	-1.6E+07	12787396
105	58650.32	-75.4015	37.78548	4185167	-1.6E+07	12787424
105.2	58906.34	-75.4008	37.78503	4185441	-1.6E+07	12787451
105.4	59162.83	-75.4001	37.78458	4185717	-1.6E+07	12787478
105.6	59419.78	-75.3994	37.78412	4185994	-1.6E+07	12787504
105.8	59677.21	-75.3987	37.78367	4186273	-1.6E+07	12787529
106	59935.1	-75.3979	37.78321	4186553	-1.6E+07	12787554
106.2	60193.46	-75.3972	37.78274	4186835	-1.6E+07	12787578
106.4	60452.27	-75.3965	37.78227	4187119	-1.6E+07	12787602
106.6	60711.54	-75.3957	37.7818	4187404	-1.6E+07	12787625
106.8	60971.28	-75.395	37.78133	4187691	-1.6E+07	12787647
107	61231.48	-75.3943	37.78085	4187980	-1.6E+07	12787669
107.2	61492.12	-75.3935	37.78037	4188270	-1.6E+07	12787690
107.4	61753.22	-75.3927	37.77989	4188561	-1.6E+07	12787711
107.6	62014.77	-75.392	37.7794	4188855	-1.6E+07	12787730
107.8	62276.77	-75.3912	37.77891	4189150	-1.6E+07	12787749
108	62539.23	-75.3904	37.77842	4189446	-1.6E+07	12787768
108.2	62802.12	-75.3897	37.77792	4189745	-1.6E+07	12787786
108.4	63065.45	-75.3889	37.77742	4190045	-1.6E+07	12787803
108.6	63329.23	-75.3881	37.77692	4190346	-1.6E+07	12787819
108.8	63593.44	-75.3873	37.77641	4190650	-1.6E+07	12787835
109	63858.1	-75.3865	37.7759	4190955	-1.6E+07	12787850
109.2	64123.19	-75.3857	37.77539	4191261	-1.6E+07	12787864
109.4	64388.71	-75.3849	37.77488	4191570	-1.6E+07	12787878
109.6	64654.68	-75.3841	37.77436	4191880	-1.6E+07	12787891
109.8	64921.08	-75.3833	37.77383	4192191	-1.6E+07	12787903

110	65187.93	-75.3825	37.77331	4192505	-1.6E+07	12787915
110.2	65455.22	-75.3816	37.77278	4192820	-1.6E+07	12787926
110.4	65722.95	-75.3808	37.77225	4193137	-1.6E+07	12787936
110.6	65991.13	-75.38	37.77171	4193455	-1.6E+07	12787946
110.8	66259.76	-75.3791	37.77117	4193775	-1.6E+07	12787955
111	66528.84	-75.3783	37.77063	4194097	-1.6E+07	12787963
111.2	66798.38	-75.3774	37.77008	4194421	-1.6E+07	12787970
111.4	67068.36	-75.3766	37.76953	4194746	-1.6E+07	12787977
111.6	67338.79	-75.3757	37.76898	4195074	-1.6E+07	12787983
111.8	67609.68	-75.3748	37.76842	4195402	-1.6E+07	12787988
112	67881.02	-75.374	37.76787	4195733	-1.6E+07	12787993
112.2	68152.82	-75.3731	37.7673	4196065	-1.6E+07	12787997
112.4	68425.06	-75.3722	37.76674	4196400	-1.6E+07	12788000
112.6	68697.76	-75.3713	37.76617	4196735	-1.6E+07	12788003
112.8	68970.92	-75.3704	37.76559	4197073	-1.6E+07	12788004
113	69244.53	-75.3695	37.76502	4197412	-1.6E+07	12788005
113.2	69518.59	-75.3686	37.76444	4197754	-1.6E+07	12788006
113.4	69793.11	-75.3677	37.76385	4198096	-1.6E+07	12788005
113.6	70068.07	-75.3668	37.76327	4198441	-1.6E+07	12788004
113.8	70343.49	-75.3659	37.76268	4198788	-1.6E+07	12788002
114	70619.36	-75.3649	37.76208	4199136	-1.6E+07	12788000
114.2	70895.68	-75.364	37.76149	4199486	-1.6E+07	12787997
114.4	71172.45	-75.3631	37.76089	4199838	-1.6E+07	12787992
114.6	71449.67	-75.3621	37.76028	4200192	-1.6E+07	12787988
114.8	71727.35	-75.3612	37.75967	4200547	-1.6E+07	12787982
115	72005.49	-75.3602	37.75906	4200904	-1.6E+07	12787976
115.2	72284.07	-75.3593	37.75845	4201263	-1.6E+07	12787969
115.4	72563.1	-75.3583	37.75783	4201624	-1.6E+07	12787961
115.6	72842.59	-75.3574	37.75721	4201987	-1.6E+07	12787952
115.8	73122.54	-75.3564	37.75658	4202352	-1.6E+07	12787943
116	73402.94	-75.3554	37.75595	4202718	-1.6E+07	12787933
116.2	73683.8	-75.3544	37.75532	4203086	-1.6E+07	12787922
116.4	73965.11	-75.3534	37.75468	4203456	-1.6E+07	12787911
116.6	74246.88	-75.3524	37.75404	4203828	-1.6E+07	12787898
116.8	74529.11	-75.3514	37.7534	4204202	-1.6E+07	12787885
117	74811.8	-75.3504	37.75275	4204578	-1.6E+07	12787871
117.2	75094.95	-75.3494	37.7521	4204955	-1.6E+07	12787857
117.4	75378.55	-75.3484	37.75145	4205335	-1.6E+07	12787841
117.6	75662.61	-75.3474	37.75079	4205716	-1.6E+07	12787825
117.8	75947.14	-75.3463	37.75013	4206099	-1.6E+07	12787808
118	76232.13	-75.3453	37.74946	4206484	-1.6E+07	12787790
118.2	76517.57	-75.3443	37.74879	4206871	-1.6E+07	12787772
118.4	76803.47	-75.3432	37.74812	4207260	-1.6E+07	12787752
118.6	77089.83	-75.3422	37.74744	4207650	-1.6E+07	12787732
118.8	77376.65	-75.3411	37.74676	4208043	-1.6E+07	12787711
119	77663.94	-75.3401	37.74608	4208437	-1.6E+07	12787689
119.2	77951.69	-75.339	37.74539	4208834	-1.6E+07	12787667

119.4	78239.89	-75.3379	37.7447	4209232	-1.6E+07	12787644
119.6	78528.56	-75.3368	37.74401	4209632	-1.6E+07	12787619
119.8	78817.69	-75.3358	37.74331	4210034	-1.6E+07	12787594
120	79107.29	-75.3347	37.74261	4210438	-1.6E+07	12787569
120.2	79397.35	-75.3336	37.7419	4210844	-1.6E+07	12787542
120.4	79687.87	-75.3325	37.74119	4211252	-1.6E+07	12787515
120.6	79978.86	-75.3314	37.74048	4211662	-1.6E+07	12787487
120.8	80270.31	-75.3302	37.73976	4212074	-1.6E+07	12787458
121	80562.23	-75.3291	37.73904	4212487	-1.6E+07	12787428
121.2	80854.61	-75.328	37.73831	4212903	-1.6E+07	12787397
121.4	81147.45	-75.3269	37.73758	4213321	-1.6E+07	12787366
121.6	81440.76	-75.3257	37.73685	4213740	-1.6E+07	12787333
121.8	81734.55	-75.3246	37.73611	4214162	-1.6E+07	12787300
122	82028.8	-75.3234	37.73537	4214586	-1.6E+07	12787266
122.2	82323.51	-75.3223	37.73463	4215011	-1.6E+07	12787231
122.4	82618.7	-75.3211	37.73388	4215439	-1.6E+07	12787196
122.6	82914.35	-75.32	37.73313	4215868	-1.6E+07	12787159
122.8	83210.48	-75.3188	37.73237	4216300	-1.6E+07	12787122
123	83507.09	-75.3176	37.73161	4216733	-1.6E+07	12787084
123.2	83804.16	-75.3164	37.73085	4217169	-1.6E+07	12787045
123.4	84101.71	-75.3152	37.73008	4217606	-1.6E+07	12787005
123.6	84399.74	-75.314	37.72931	4218045	-1.6E+07	12786964
123.8	84698.25	-75.3128	37.72854	4218487	-1.6E+07	12786922
124	84997.24	-75.3116	37.72776	4218930	-1.6E+07	12786880
124.2	85296.7	-75.3104	37.72697	4219376	-1.6E+07	12786837
124.4	85596.65	-75.3092	37.72619	4219823	-1.6E+07	12786793
124.6	85897.08	-75.308	37.72539	4220273	-1.6E+07	12786748
124.8	86197.99	-75.3067	37.7246	4220725	-1.6E+07	12786702
125	86499.4	-75.3055	37.7238	4221178	-1.6E+07	12786655
125.2	86801.28	-75.3042	37.723	4221634	-1.6E+07	12786607
125.4	87103.65	-75.303	37.72219	4222092	-1.6E+07	12786559
125.6	87406.52	-75.3017	37.72138	4222551	-1.6E+07	12786510
125.8	87709.87	-75.3005	37.72056	4223013	-1.6E+07	12786459
126	88013.72	-75.2992	37.71974	4223477	-1.6E+07	12786408
126.2	88318.06	-75.2979	37.71892	4223943	-1.6E+07	12786356
126.4	88622.89	-75.2967	37.71809	4224411	-1.6E+07	12786304
126.6	88928.22	-75.2954	37.71726	4224881	-1.6E+07	12786250
126.8	89234.05	-75.2941	37.71643	4225353	-1.6E+07	12786195
127	89540.37	-75.2928	37.71559	4225827	-1.6E+07	12786140
127.2	89847.2	-75.2915	37.71474	4226304	-1.6E+07	12786084
127.4	90154.52	-75.2902	37.7139	4226782	-1.6E+07	12786026
127.6	90462.35	-75.2888	37.71304	4227262	-1.6E+07	12785968
127.8	90770.69	-75.2875	37.71219	4227745	-1.6E+07	12785909
128	91079.54	-75.2862	37.71133	4228230	-1.6E+07	12785849
128.2	91388.89	-75.2849	37.71046	4228716	-1.6E+07	12785789
128.4	91698.74	-75.2835	37.7096	4229205	-1.6E+07	12785727
128.6	92009.11	-75.2822	37.70872	4229696	-1.6E+07	12785664

128.8	92319.99	-75.2808	37.70785	4230189	-1.6E+07	12785601
129	92631.38	-75.2794	37.70697	4230684	-1.6E+07	12785537
129.2	92943.26	-75.2781	37.70608	4231182	-1.6E+07	12785471
129.4	93255.65	-75.2767	37.70519	4231681	-1.6E+07	12785405
129.6	93568.55	-75.2753	37.7043	4232183	-1.6E+07	12785338
129.8	93881.94	-75.2739	37.7034	4232687	-1.6E+07	12785270
130	94195.84	-75.2725	37.7025	4233193	-1.6E+07	12785201
130.2	94510.22	-75.2711	37.7016	4233701	-1.6E+07	12785131
130.4	94825.1	-75.2697	37.70069	4234211	-1.6E+07	12785060
130.6	95140.48	-75.2683	37.69977	4234723	-1.6E+07	12784989
130.8	95456.35	-75.2669	37.69885	4235238	-1.6E+07	12784916
131	95772.7	-75.2655	37.69793	4235755	-1.6E+07	12784842
131.2	96089.54	-75.2641	37.697	4236274	-1.6E+07	12784768
131.4	96406.87	-75.2626	37.69607	4236795	-1.6E+07	12784692
131.6	96724.68	-75.2612	37.69514	4237318	-1.6E+07	12784615
131.8	97042.98	-75.2597	37.6942	4237844	-1.6E+07	12784538
132	97361.75	-75.2583	37.69325	4238371	-1.6E+07	12784459
132.2	97681.01	-75.2568	37.6923	4238901	-1.6E+07	12784380
132.4	98000.74	-75.2553	37.69135	4239433	-1.6E+07	12784299
132.6	98320.95	-75.2539	37.69039	4239968	-1.6E+07	12784218
132.8	98641.64	-75.2524	37.68943	4240504	-1.6E+07	12784135
133	98962.8	-75.2509	37.68846	4241043	-1.6E+07	12784052
133.2	99284.43	-75.2494	37.68749	4241584	-1.6E+07	12783967
133.4	99606.54	-75.2479	37.68652	4242128	-1.6E+07	12783882
133.6	99929.12	-75.2464	37.68554	4242673	-1.6E+07	12783795
133.8	100252.2	-75.2448	37.68455	4243221	-1.6E+07	12783708
134	100575.7	-75.2433	37.68356	4243771	-1.6E+07	12783619
134.2	100899.7	-75.2418	37.68257	4244324	-1.6E+07	12783530
134.4	101224.1	-75.2403	37.68157	4244878	-1.6E+07	12783439
134.6	101549.1	-75.2387	37.68057	4245435	-1.6E+07	12783347
134.8	101874.4	-75.2372	37.67956	4245994	-1.6E+07	12783255
135	102200.3	-75.2356	37.67855	4246556	-1.6E+07	12783161
135.2	102526.6	-75.234	37.67753	4247120	-1.6E+07	12783066
135.4	102853.4	-75.2325	37.67651	4247686	-1.6E+07	12782970
135.6	103180.7	-75.2309	37.67549	4248254	-1.6E+07	12782873
135.8	103508.4	-75.2293	37.67446	4248825	-1.6E+07	12782775
136	103836.6	-75.2277	37.67342	4249398	-1.6E+07	12782676
136.2	104165.2	-75.2261	37.67239	4249973	-1.6E+07	12782576
136.4	104494.3	-75.2245	37.67134	4250551	-1.6E+07	12782475
136.6	104823.9	-75.2229	37.67029	4251131	-1.6E+07	12782373
136.8	105153.9	-75.2213	37.66924	4251714	-1.6E+07	12782270
137	105484.4	-75.2196	37.66818	4252298	-1.6E+07	12782165
137.2	105815.4	-75.218	37.66712	4252885	-1.6E+07	12782060
137.4	106146.8	-75.2164	37.66605	4253475	-1.6E+07	12781953
137.6	106478.7	-75.2147	37.66498	4254066	-1.6E+07	12781846
137.8	106811	-75.2131	37.66391	4254661	-1.6E+07	12781737
138	107143.8	-75.2114	37.66283	4255257	-1.6E+07	12781627

138.2	107477.1	-75.2097	37.66174	4255856	-1.6E+07	12781516
138.4	107810.8	-75.2081	37.66065	4256457	-1.6E+07	12781404
138.6	108145	-75.2064	37.65956	4257061	-1.6E+07	12781291
138.8	108479.6	-75.2047	37.65846	4257667	-1.6E+07	12781177
139	108814.7	-75.203	37.65735	4258275	-1.6E+07	12781061
139.2	109150.3	-75.2013	37.65624	4258886	-1.6E+07	12780945
139.4	109486.3	-75.1996	37.65513	4259499	-1.6E+07	12780827
139.6	109822.8	-75.1979	37.65401	4260115	-1.6E+07	12780708
139.8	110159.7	-75.1961	37.65288	4260733	-1.6E+07	12780588
140	110497.1	-75.1944	37.65176	4261354	-1.6E+07	12780467
140.2	110834.9	-75.1927	37.65062	4261977	-1.6E+07	12780345
140.4	111173.2	-75.1909	37.64948	4262602	-1.6E+07	12780222
140.6	111512	-75.1891	37.64834	4263230	-1.6E+07	12780097
140.8	111851.2	-75.1874	37.64719	4263860	-1.6E+07	12779972
141	112190.8	-75.1856	37.64604	4264493	-1.6E+07	12779845
141.2	112531	-75.1838	37.64488	4265128	-1.6E+07	12779717
141.4	112871.5	-75.1821	37.64372	4265765	-1.6E+07	12779588
141.6	113212.6	-75.1803	37.64255	4266406	-1.6E+07	12779458
141.8	113554	-75.1785	37.64138	4267048	-1.6E+07	12779326
142	113896	-75.1767	37.6402	4267693	-1.6E+07	12779194
142.2	114238.4	-75.1748	37.63902	4268341	-1.6E+07	12779060
142.4	114581.2	-75.173	37.63783	4268991	-1.6E+07	12778925
142.6	114924.5	-75.1712	37.63664	4269643	-1.6E+07	12778789
142.8	115268.3	-75.1694	37.63544	4270298	-1.6E+07	12778651
143	115612.5	-75.1675	37.63424	4270956	-1.6E+07	12778513
143.2	115957.2	-75.1657	37.63303	4271616	-1.6E+07	12778373
143.4	116302.3	-75.1638	37.63182	4272279	-1.6E+07	12778232
143.6	116647.9	-75.1619	37.6306	4272944	-1.6E+07	12778090
143.8	116993.9	-75.1601	37.62937	4273611	-1.6E+07	12777946
144	117340.4	-75.1582	37.62815	4274282	-1.6E+07	12777802
144.2	117687.3	-75.1563	37.62691	4274954	-1.6E+07	12777656
144.4	118034.7	-75.1544	37.62568	4275630	-1.6E+07	12777509
144.6	118382.6	-75.1525	37.62443	4276307	-1.6E+07	12777361
144.8	118730.9	-75.1506	37.62318	4276988	-1.6E+07	12777211
145	119079.6	-75.1487	37.62193	4277671	-1.6E+07	12777061
145.2	119428.9	-75.1467	37.62067	4278356	-1.6E+07	12776909
145.4	119778.5	-75.1448	37.61941	4279044	-1.6E+07	12776756
145.6	120128.6	-75.1429	37.61814	4279735	-1.6E+07	12776601
145.8	120479.2	-75.1409	37.61687	4280428	-1.6E+07	12776446
146	120830.2	-75.139	37.61559	4281124	-1.6E+07	12776289
146.2	121181.7	-75.137	37.6143	4281823	-1.6E+07	12776131
146.4	121533.6	-75.135	37.61301	4282524	-1.6E+07	12775971
146.6	121886	-75.133	37.61172	4283228	-1.6E+07	12775811
146.8	122238.9	-75.131	37.61042	4283934	-1.6E+07	12775649
147	122592.2	-75.129	37.60911	4284643	-1.6E+07	12775485
147.2	122945.9	-75.127	37.6078	4285354	-1.6E+07	12775321
147.4	123300.1	-75.125	37.60648	4286069	-1.6E+07	12775155

147.6	123654.7	-75.123	37.60516	4286785	-1.6E+07	12774988
147.8	124009.8	-75.121	37.60384	4287505	-1.6E+07	12774820
148	124365.4	-75.1189	37.6025	4288227	-1.6E+07	12774650
148.2	124721.4	-75.1169	37.60117	4288952	-1.6E+07	12774479
148.4	125077.8	-75.1149	37.59982	4289679	-1.6E+07	12774307
148.6	125434.7	-75.1128	37.59848	4290409	-1.6E+07	12774134
148.8	125792.1	-75.1107	37.59712	4291142	-1.6E+07	12773959
149	126149.9	-75.1087	37.59576	4291878	-1.6E+07	12773783
149.2	126508.2	-75.1066	37.5944	4292616	-1.6E+07	12773605
149.4	126866.9	-75.1045	37.59303	4293357	-1.6E+07	12773427
149.6	127226.1	-75.1024	37.59165	4294100	-1.6E+07	12773247
149.8	127585.8	-75.1003	37.59027	4294847	-1.6E+07	12773065
150	127945.8	-75.0982	37.58889	4295596	-1.6E+07	12772883
150.2	128306.4	-75.096	37.5875	4296347	-1.6E+07	12772699
150.4	128667.4	-75.0939	37.5861	4297102	-1.6E+07	12772513
150.6	129028.9	-75.0918	37.5847	4297859	-1.6E+07	12772327
150.8	129390.8	-75.0896	37.58329	4298619	-1.6E+07	12772139
151	129753.2	-75.0875	37.58188	4299382	-1.6E+07	12771949
151.2	130116	-75.0853	37.58046	4300147	-1.6E+07	12771758
151.4	130479.3	-75.0831	37.57903	4300915	-1.6E+07	12771566
151.6	130843.1	-75.0809	37.5776	4301686	-1.6E+07	12771373
151.8	131207.3	-75.0787	37.57617	4302460	-1.6E+07	12771178
152	131571.9	-75.0766	37.57473	4303236	-1.6E+07	12770982
152.2	131937	-75.0743	37.57328	4304015	-1.6E+07	12770785
152.4	132302.6	-75.0721	37.57183	4304797	-1.6E+07	12770586
152.6	132668.6	-75.0699	37.57037	4305582	-1.6E+07	12770385
152.8	133035.1	-75.0677	37.56891	4306370	-1.6E+07	12770184
153	133402.1	-75.0654	37.56744	4307160	-1.6E+07	12769981
153.2	133769.5	-75.0632	37.56596	4307953	-1.6E+07	12769776
153.4	134137.3	-75.0609	37.56448	4308749	-1.6E+07	12769571
153.6	134505.6	-75.0587	37.563	4309548	-1.6E+07	12769363
153.8	134874.4	-75.0564	37.5615	4310350	-1.6E+07	12769155
154	135243.6	-75.0541	37.56001	4311154	-1.6E+07	12768945
154.2	135613.3	-75.0518	37.5585	4311962	-1.6E+07	12768733
154.4	135983.4	-75.0495	37.55699	4312772	-1.6E+07	12768520
154.6	136354	-75.0472	37.55548	4313585	-1.6E+07	12768306
154.8	136725.1	-75.0449	37.55396	4314401	-1.6E+07	12768091
155	137096.6	-75.0426	37.55243	4315220	-1.6E+07	12767873
155.2	137468.5	-75.0403	37.5509	4316041	-1.6E+07	12767655
155.4	137841	-75.0379	37.54936	4316866	-1.6E+07	12767435
155.6	138213.9	-75.0356	37.54782	4317693	-1.6E+07	12767214
155.8	138587.2	-75.0332	37.54627	4318523	-1.6E+07	12766991
156	138961	-75.0309	37.54471	4319357	-1.6E+07	12766767
156.2	139335.3	-75.0285	37.54315	4320193	-1.6E+07	12766541
156.4	139710	-75.0261	37.54158	4321032	-1.6E+07	12766314
156.6	140085.2	-75.0237	37.54001	4321874	-1.6E+07	12766085
156.8	140460.8	-75.0213	37.53843	4322718	-1.6E+07	12765855

157	140836.9	-75.0189	37.53685	4323566	-1.6E+07	12765623
157.2	141213.5	-75.0165	37.53526	4324417	-1.6E+07	12765390
157.4	141590.5	-75.0141	37.53366	4325271	-1.6E+07	12765156
157.6	141968	-75.0116	37.53206	4326127	-1.6E+07	12764920
157.8	142345.9	-75.0092	37.53045	4326987	-1.6E+07	12764682
158	142724.3	-75.0067	37.52883	4327849	-1.6E+07	12764443
158.2	143103.2	-75.0043	37.52721	4328715	-1.6E+07	12764203
158.4	143482.5	-75.0018	37.52559	4329583	-1.6E+07	12763961
158.6	143862.3	-74.9993	37.52395	4330455	-1.6E+07	12763718
158.8	144242.6	-74.9968	37.52231	4331329	-1.6E+07	12763473
159	144623.3	-74.9943	37.52067	4332206	-1.6E+07	12763226
159.2	145004.5	-74.9918	37.51902	4333087	-1.6E+07	12762978
159.4	145386.1	-74.9893	37.51736	4333970	-1.6E+07	12762729
159.6	145768.2	-74.9868	37.5157	4334857	-1.6E+07	12762478
159.8	146150.8	-74.9843	37.51403	4335746	-1.6E+07	12762225
160	146533.9	-74.9817	37.51235	4336639	-1.6E+07	12761971
160.2	146917.4	-74.9792	37.51067	4337534	-1.6E+07	12761716
160.4	147301.4	-74.9766	37.50898	4338433	-1.6E+07	12761459
160.6	147685.8	-74.974	37.50729	4339334	-1.6E+07	12761200
160.8	148070.8	-74.9715	37.50559	4340239	-1.6E+07	12760940
161	148456.2	-74.9689	37.50388	4341147	-1.6E+07	12760678
161.2	148842	-74.9663	37.50217	4342058	-1.6E+07	12760415
161.4	149228.4	-74.9637	37.50045	4342972	-1.6E+07	12760150
161.6	149615.2	-74.9611	37.49873	4343888	-1.6E+07	12759883
161.8	150002.5	-74.9584	37.497	4344809	-1.6E+07	12759616
162	150390.3	-74.9558	37.49526	4345732	-1.6E+07	12759346
162.2	150778.5	-74.9532	37.49352	4346658	-1.6E+07	12759075
162.4	151167.2	-74.9505	37.49177	4347587	-1.6E+07	12758802
162.6	151556.4	-74.9479	37.49001	4348520	-1.6E+07	12758528
162.8	151946.1	-74.9452	37.48825	4349455	-1.6E+07	12758252
163	152336.3	-74.9425	37.48648	4350394	-1.6E+07	12757975
163.2	152726.9	-74.9398	37.4847	4351336	-1.6E+07	12757696
163.4	153118	-74.9371	37.48292	4352281	-1.6E+07	12757415
163.6	153509.6	-74.9344	37.48113	4353229	-1.6E+07	12757133
163.8	153901.7	-74.9317	37.47934	4354181	-1.6E+07	12756849
164	154294.3	-74.929	37.47754	4355135	-1.6E+07	12756564
164.2	154687.3	-74.9263	37.47573	4356093	-1.6E+07	12756277
164.4	155080.9	-74.9235	37.47392	4357054	-1.6E+07	12755988
164.6	155474.9	-74.9208	37.4721	4358018	-1.6E+07	12755698
164.8	155869.4	-74.918	37.47027	4358985	-1.6E+07	12755406
165	156264.4	-74.9152	37.46844	4359955	-1.6E+07	12755113
165.2	156659.9	-74.9124	37.4666	4360929	-1.6E+07	12754817
165.4	157055.9	-74.9097	37.46475	4361906	-1.6E+07	12754521
165.6	157452.4	-74.9069	37.4629	4362886	-1.6E+07	12754222
165.8	157849.4	-74.904	37.46104	4363869	-1.6E+07	12753922
166	158246.9	-74.9012	37.45917	4364856	-1.6E+07	12753621
166.2	158644.8	-74.8984	37.4573	4365846	-1.6E+07	12753317

166.4	159043.3	-74.8956	37.45542	4366839	-1.6E+07	12753012
166.6	159442.3	-74.8927	37.45353	4367835	-1.6E+07	12752706
166.8	159841.8	-74.8899	37.45164	4368834	-1.6E+07	12752397
167	160241.8	-74.887	37.44974	4369837	-1.6E+07	12752087
167.2	160642.2	-74.8841	37.44784	4370843	-1.6E+07	12751776
167.4	161043.2	-74.8812	37.44592	4371853	-1.6E+07	12751463
167.6	161444.7	-74.8783	37.44401	4372866	-1.6E+07	12751148
167.8	161846.7	-74.8754	37.44208	4373882	-1.6E+07	12750831
168	162249.2	-74.8725	37.44015	4374901	-1.6E+07	12750513
168.2	162652.2	-74.8696	37.43821	4375924	-1.6E+07	12750193
168.4	163055.8	-74.8666	37.43626	4376950	-1.6E+07	12749871
168.6	163459.8	-74.8637	37.43431	4377979	-1.6E+07	12749547
168.8	163864.4	-74.8607	37.43235	4379012	-1.6E+07	12749222
169	164269.4	-74.8578	37.43038	4380048	-1.6E+07	12748895
169.2	164675	-74.8548	37.42841	4381087	-1.6E+07	12748567
169.4	165081.1	-74.8518	37.42643	4382130	-1.6E+07	12748237
169.6	165487.7	-74.8488	37.42444	4383176	-1.6E+07	12747905
169.8	165894.9	-74.8458	37.42245	4384225	-1.6E+07	12747571
170	166302.5	-74.8428	37.42045	4385278	-1.6E+07	12747235
170.2	166710.7	-74.8398	37.41844	4386335	-1.6E+07	12746898
170.4	167119.4	-74.8368	37.41643	4387394	-1.6E+07	12746559
170.6	167528.7	-74.8337	37.4144	4388457	-1.6E+07	12746219
170.8	167938.4	-74.8307	37.41238	4389524	-1.6E+07	12745876
171	168348.7	-74.8276	37.41034	4390594	-1.6E+07	12745532
171.2	168759.6	-74.8245	37.4083	4391667	-1.6E+07	12745186
171.4	169170.9	-74.8214	37.40625	4392744	-1.6E+07	12744838
171.6	169582.8	-74.8183	37.40419	4393824	-1.6E+07	12744489
171.8	169995.3	-74.8152	37.40213	4394908	-1.6E+07	12744138
172	170408.2	-74.8121	37.40006	4395995	-1.6E+07	12743785
172.2	170821.7	-74.809	37.39798	4397086	-1.6E+07	12743430
172.4	171235.8	-74.8059	37.3959	4398180	-1.6E+07	12743074
172.6	171650.4	-74.8027	37.3938	4399278	-1.6E+07	12742715
172.8	172065.5	-74.7996	37.39171	4400379	-1.6E+07	12742355
173	172481.2	-74.7964	37.3896	4401484	-1.6E+07	12741993
173.2	172897.4	-74.7932	37.38749	4402592	-1.6E+07	12741630
173.4	173314.2	-74.79	37.38537	4403704	-1.6E+07	12741264
173.6	173731.5	-74.7868	37.38324	4404819	-1.6E+07	12740897
173.8	174149.3	-74.7836	37.3811	4405938	-1.6E+07	12740528
174	174567.8	-74.7804	37.37896	4407060	-1.6E+07	12740157
174.2	174986.7	-74.7772	37.37681	4408186	-1.6E+07	12739784
174.4	175406.2	-74.7739	37.37466	4409316	-1.6E+07	12739409
174.6	175826.3	-74.7707	37.37249	4410449	-1.6E+07	12739033
174.8	176247	-74.7674	37.37032	4411585	-1.6E+07	12738655
175	176668.1	-74.7642	37.36814	4412726	-1.6E+07	12738275
175.2	177089.9	-74.7609	37.36596	4413870	-1.6E+07	12737893
175.4	177512.2	-74.7576	37.36376	4415017	-1.6E+07	12737509
175.6	177935.1	-74.7543	37.36156	4416168	-1.6E+07	12737123

175.8	178358.5	-74.751	37.35936	4417323	-1.6E+07	12736736
176	178782.5	-74.7476	37.35714	4418481	-1.6E+07	12736346
176.2	179207.1	-74.7443	37.35492	4419643	-1.6E+07	12735955
176.4	179632.3	-74.741	37.35269	4420809	-1.6E+07	12735562
176.6	180058	-74.7376	37.35045	4421978	-1.6E+07	12735167
176.8	180484.3	-74.7342	37.3482	4423151	-1.6E+07	12734770
177	180911.2	-74.7309	37.34595	4424328	-1.6E+07	12734372
177.2	181338.6	-74.7275	37.34369	4425508	-1.6E+07	12733971
177.4	181766.6	-74.7241	37.34142	4426692	-1.6E+07	12733568
177.6	182195.2	-74.7207	37.33915	4427880	-1.6E+07	12733164
177.8	182624.4	-74.7173	37.33687	4429072	-1.6E+07	12732757
178	183054.2	-74.7138	37.33458	4430267	-1.6E+07	12732349
178.2	183484.5	-74.7104	37.33228	4431466	-1.6E+07	12731939
178.4	183915.5	-74.7069	37.32997	4432669	-1.6E+07	12731527
178.6	184347	-74.7035	37.32766	4433875	-1.6E+07	12731113
178.8	184779.1	-74.7	37.32534	4435085	-1.6E+07	12730697
179	185211.9	-74.6965	37.32301	4436299	-1.6E+07	12730279
179.2	185645.2	-74.693	37.32067	4437517	-1.6E+07	12729859
179.4	186079.1	-74.6895	37.31833	4438739	-1.6E+07	12729437
179.6	186513.6	-74.686	37.31598	4439964	-1.6E+07	12729013
179.8	186948.7	-74.6825	37.31362	4441193	-1.6E+07	12728588
180	187384.4	-74.6789	37.31125	4442426	-1.6E+07	12728160
180.05	187493.5	-74.678	37.31065	4442735	-1.6E+07	12728053
180.2	187820.8	-74.6754	37.30887	4443663	-1.6E+07	12727730
180.25	187929.9	-74.6745	37.30828	4443973	-1.6E+07	12727623
180.4	188257.7	-74.6718	37.30649	4444904	-1.6E+07	12727299
180.6	188695.3	-74.6682	37.3041	4446148	-1.6E+07	12726865
180.8	189133.4	-74.6646	37.3017	4447397	-1.6E+07	12726430
181	189572.2	-74.661	37.29929	4448649	-1.6E+07	12725992
181.2	190011.6	-74.6574	37.29688	4449905	-1.6E+07	12725552
181.4	190451.6	-74.6538	37.29445	4451165	-1.6E+07	12725111
181.6	190892.2	-74.6502	37.29202	4452429	-1.6E+07	12724667
181.8	191333.5	-74.6465	37.28959	4453697	-1.6E+07	12724222
182	191775.4	-74.6429	37.28714	4454968	-1.6E+07	12723774
182.2	192217.9	-74.6392	37.28468	4456244	-1.6E+07	12723325
182.4	192661.1	-74.6355	37.28222	4457524	-1.6E+07	12722873
182.6	193104.9	-74.6319	37.27975	4458807	-1.6E+07	12722419
182.8	193549.3	-74.6282	37.27727	4460095	-1.6E+07	12721964
183	193994.3	-74.6244	37.27478	4461386	-1.6E+07	12721506
183.2	194440.1	-74.6207	37.27229	4462682	-1.6E+07	12721046
183.4	194886.4	-74.617	37.26979	4463981	-1.6E+07	12720584
183.6	195333.4	-74.6132	37.26727	4465284	-1.6E+07	12720120
183.8	195781	-74.6095	37.26475	4466592	-1.6E+07	12719654
184	196229.3	-74.6057	37.26223	4467903	-1.6E+07	12719186
184.2	196678.3	-74.6019	37.25969	4469219	-1.6E+07	12718716
184.4	197127.9	-74.5981	37.25715	4470538	-1.6E+07	12718244
184.6	197578.2	-74.5943	37.25459	4471862	-1.6E+07	12717770

184.8	198029.1	-74.5905	37.25203	4473189	-1.6E+07	12717294
185	198480.7	-74.5867	37.24946	4474521	-1.6E+07	12716815
185.2	198933	-74.5829	37.24689	4475857	-1.6E+07	12716335
185.4	199385.9	-74.579	37.2443	4477197	-1.6E+07	12715852
185.6	199839.6	-74.5751	37.24171	4478540	-1.6E+07	12715368
185.8	200293.9	-74.5713	37.2391	4479889	-1.6E+07	12714881
186	200748.8	-74.5674	37.23649	4481241	-1.6E+07	12714392
186.2	201204.5	-74.5635	37.23387	4482597	-1.6E+07	12713901
186.4	201660.8	-74.5596	37.23124	4483957	-1.6E+07	12713408
186.6	202117.9	-74.5556	37.22861	4485322	-1.6E+07	12712912
186.8	202575.6	-74.5517	37.22596	4486691	-1.6E+07	12712415
187	203034	-74.5478	37.22331	4488064	-1.6E+07	12711915
187.2	203493.2	-74.5438	37.22065	4489441	-1.6E+07	12711414
187.4	203953	-74.5398	37.21797	4490822	-1.6E+07	12710910
187.6	204413.5	-74.5359	37.2153	4492208	-1.6E+07	12710404
187.8	204874.7	-74.5319	37.21261	4493598	-1.6E+07	12709896
188	205336.7	-74.5278	37.20991	4494992	-1.6E+07	12709385
188.2	205799.3	-74.5238	37.2072	4496390	-1.6E+07	12708873
188.4	206262.7	-74.5198	37.20449	4497792	-1.6E+07	12708358
188.6	206726.8	-74.5157	37.20177	4499199	-1.6E+07	12707841
188.8	207191.6	-74.5117	37.19904	4500610	-1.6E+07	12707322
189	207657.2	-74.5076	37.19629	4502025	-1.6E+07	12706801
189.2	208123.4	-74.5035	37.19355	4503445	-1.6E+07	12706277
189.4	208590.5	-74.4994	37.19079	4504869	-1.6E+07	12705751
189.6	209058.2	-74.4953	37.18802	4506297	-1.6E+07	12705224
189.8	209526.7	-74.4912	37.18524	4507730	-1.6E+07	12704693
190	209995.9	-74.4871	37.18246	4509167	-1.6E+07	12704161
190.05	210113.4	-74.4861	37.18176	4509527	-1.6E+07	12704028
190.2	210465.9	-74.4829	37.17967	4510608	-1.6E+07	12703626
190.25	210583.5	-74.4819	37.17897	4510969	-1.6E+07	12703492
190.4	210936.7	-74.4788	37.17686	4512054	-1.6E+07	12703090
190.6	211408.1	-74.4746	37.17405	4513504	-1.6E+07	12702550
190.8	211880.4	-74.4704	37.17123	4514958	-1.6E+07	12702009
191	212353.4	-74.4662	37.1684	4516417	-1.6E+07	12701466
191.2	212827.2	-74.462	37.16556	4517880	-1.6E+07	12700920
191.4	213301.7	-74.4578	37.16271	4519348	-1.6E+07	12700372
191.6	213777	-74.4536	37.15986	4520820	-1.6E+07	12699821
191.8	214253.1	-74.4493	37.15699	4522297	-1.6E+07	12699269
192	214730	-74.4451	37.15412	4523778	-1.6E+07	12698714
192.2	215207.6	-74.4408	37.15123	4525264	-1.6E+07	12698156
192.4	215686.1	-74.4365	37.14834	4526754	-1.6E+07	12697597
192.6	216165.3	-74.4322	37.14543	4528248	-1.6E+07	12697035
192.8	216645.3	-74.4279	37.14252	4529747	-1.6E+07	12696471
193	217126.2	-74.4236	37.1396	4531251	-1.6E+07	12695904
193.2	217607.8	-74.4193	37.13667	4532759	-1.6E+07	12695336
193.4	218090.2	-74.4149	37.13373	4534272	-1.6E+07	12694765
193.6	218573.5	-74.4105	37.13078	4535789	-1.6E+07	12694191

193.8	219057.5	-74.4062	37.12782	4537311	-1.6E+07	12693615
194	219542.4	-74.4018	37.12485	4538838	-1.6E+07	12693037
194.2	220028.1	-74.3974	37.12188	4540369	-1.6E+07	12692457
194.4	220514.7	-74.393	37.11889	4541904	-1.6E+07	12691874
194.6	221002	-74.3885	37.11589	4543445	-1.6E+07	12691289
194.8	221490.2	-74.3841	37.11289	4544990	-1.6E+07	12690701
195	221979.3	-74.3796	37.10987	4546539	-1.6E+07	12690111
195.2	222469.2	-74.3752	37.10684	4548094	-1.6E+07	12689519
195.4	222959.9	-74.3707	37.10381	4549653	-1.6E+07	12688924
195.6	223451.5	-74.3662	37.10077	4551217	-1.6E+07	12688327
195.8	223943.9	-74.3617	37.09771	4552785	-1.6E+07	12687728
196	224437.2	-74.3572	37.09465	4554358	-1.6E+07	12687126
196.2	224931.4	-74.3526	37.09157	4555936	-1.6E+07	12686522
196.4	225426.4	-74.3481	37.08849	4557519	-1.6E+07	12685915
196.6	225922.4	-74.3435	37.0854	4559106	-1.6E+07	12685306
196.8	226419.2	-74.3389	37.08229	4560699	-1.6E+07	12684694
197	226916.8	-74.3343	37.07918	4562296	-1.6E+07	12684080
197.2	227415.4	-74.3297	37.07606	4563898	-1.6E+07	12683464
197.4	227914.9	-74.3251	37.07292	4565504	-1.6E+07	12682845
197.6	228415.2	-74.3205	37.06978	4567116	-1.6E+07	12682224
197.8	228916.5	-74.3158	37.06663	4568732	-1.6E+07	12681600
198	229418.7	-74.3112	37.06347	4570353	-1.6E+07	12680974
198.2	229921.8	-74.3065	37.06029	4571980	-1.6E+07	12680345
198.4	230425.8	-74.3018	37.05711	4573611	-1.6E+07	12679714
198.6	230930.7	-74.2971	37.05392	4575247	-1.6E+07	12679080
198.8	231436.5	-74.2924	37.05072	4576888	-1.6E+07	12678444
199	231943.3	-74.2877	37.0475	4578534	-1.6E+07	12677805
199.2	232451.1	-74.2829	37.04428	4580184	-1.6E+07	12677164
199.4	232959.7	-74.2782	37.04105	4581840	-1.6E+07	12676520
199.6	233469.3	-74.2734	37.0378	4583501	-1.6E+07	12675874
199.8	233979.9	-74.2686	37.03455	4585167	-1.6E+07	12675225
200	234491.4	-74.2638	37.03129	4586838	-1.6E+07	12674574
200.2	235003.9	-74.259	37.02801	4588514	-1.6E+07	12673920
200.4	235517.4	-74.2542	37.02473	4590195	-1.6E+07	12673263
200.6	236031.8	-74.2493	37.02143	4591881	-1.6E+07	12672605
200.8	236547.3	-74.2445	37.01813	4593572	-1.6E+07	12671943
201	237063.6	-74.2396	37.01481	4595268	-1.6E+07	12671279
201.2	237581	-74.2347	37.01148	4596969	-1.6E+07	12670612
201.4	238099.4	-74.2298	37.00815	4598676	-1.6E+07	12669943
201.6	238618.8	-74.2249	37.0048	4600387	-1.6E+07	12669271
201.8	239139.2	-74.22	37.00144	4602104	-1.6E+07	12668597
202	239660.6	-74.215	36.99807	4603826	-1.6E+07	12667920
202.2	240183.1	-74.2101	36.99469	4605553	-1.6E+07	12667240
202.4	240706.5	-74.2051	36.9913	4607286	-1.6E+07	12666558
202.6	241231	-74.2001	36.9879	4609023	-1.6E+07	12665873
202.8	241756.5	-74.1951	36.98449	4610766	-1.6E+07	12665185
203	242283.1	-74.1901	36.98107	4612514	-1.6E+07	12664495

203.2	242810.7	-74.185	36.97763	4614267	-1.6E+07	12663802
203.4	243339.3	-74.18	36.97419	4616026	-1.6E+07	12663107
203.6	243869.1	-74.1749	36.97073	4617790	-1.6E+07	12662408
203.8	244399.9	-74.1698	36.96727	4619560	-1.6E+07	12661708
204	244931.7	-74.1648	36.96379	4621334	-1.6E+07	12661004
204.2	245464.6	-74.1596	36.9603	4623114	-1.6E+07	12660298
204.4	245998.7	-74.1545	36.9568	4624900	-1.6E+07	12659589
204.6	246533.8	-74.1494	36.95329	4626691	-1.6E+07	12658877
204.8	247070	-74.1442	36.94977	4628487	-1.6E+07	12658163
205	247607.3	-74.1391	36.94624	4630288	-1.6E+07	12657446
205.2	248145.7	-74.1339	36.9427	4632096	-1.6E+07	12656726
205.4	248685.3	-74.1287	36.93914	4633908	-1.6E+07	12656004
205.6	249225.9	-74.1235	36.93558	4635726	-1.6E+07	12655278
205.8	249767.7	-74.1182	36.932	4637550	-1.6E+07	12654550
206	250310.6	-74.113	36.92841	4639379	-1.6E+07	12653820
206.2	250854.7	-74.1077	36.92481	4641214	-1.6E+07	12653086
206.4	251399.9	-74.1024	36.9212	4643054	-1.6E+07	12652350
206.6	251946.3	-74.0971	36.91758	4644900	-1.6E+07	12651611
206.8	252493.7	-74.0918	36.91394	4646751	-1.6E+07	12650869
207	253042.4	-74.0865	36.9103	4648608	-1.6E+07	12650124
207.2	253592.2	-74.0812	36.90664	4650471	-1.6E+07	12649377
207.4	254143.1	-74.0758	36.90297	4652339	-1.6E+07	12648627
207.6	254695.2	-74.0704	36.89929	4654212	-1.6E+07	12647874
207.8	255248.4	-74.065	36.8956	4656091	-1.6E+07	12647118
208	255802.8	-74.0596	36.8919	4657976	-1.6E+07	12646360
208.2	256358.2	-74.0542	36.88818	4659866	-1.6E+07	12645599
208.4	256914.9	-74.0488	36.88446	4661762	-1.6E+07	12644834
208.6	257472.7	-74.0433	36.88072	4663663	-1.6E+07	12644068
208.8	258031.6	-74.0379	36.87698	4665570	-1.6E+07	12643298
209	258591.6	-74.0324	36.87322	4667482	-1.6E+07	12642526
209.2	259152.8	-74.0269	36.86945	4669400	-1.6E+07	12641751
209.4	259715.1	-74.0214	36.86566	4671323	-1.6E+07	12640973
209.6	260278.5	-74.0159	36.86187	4673252	-1.6E+07	12640192
209.8	260843.1	-74.0103	36.85807	4675186	-1.6E+07	12639408
210	261408.8	-74.0048	36.85425	4677126	-1.6E+07	12638622
210.2	261975.6	-73.9992	36.85042	4679072	-1.6E+07	12637833
210.4	262543.6	-73.9936	36.84658	4681023	-1.6E+07	12637041
210.6	263112.7	-73.988	36.84273	4682979	-1.6E+07	12636247
210.8	263682.9	-73.9824	36.83887	4684941	-1.6E+07	12635449
211	264254.2	-73.9767	36.835	4686908	-1.6E+07	12634649
211.2	264826.7	-73.9711	36.83112	4688881	-1.6E+07	12633846
211.4	265400.3	-73.9654	36.82722	4690859	-1.6E+07	12633040
211.6	265975	-73.9597	36.82331	4692843	-1.6E+07	12632232
211.8	266550.7	-73.954	36.8194	4694833	-1.6E+07	12631420
212	267127.6	-73.9483	36.81547	4696827	-1.6E+07	12630606
212.2	267705.5	-73.9426	36.81153	4698828	-1.6E+07	12629789
212.4	268284.5	-73.9369	36.80758	4700833	-1.6E+07	12628969

212.6	268864.5	-73.9311	36.80361	4702844	-1.6E+07	12628147
212.8	269445.5	-73.9253	36.79964	4704861	-1.6E+07	12627321
213	270027.6	-73.9195	36.79565	4706883	-1.6E+07	12626493
213.2	270610.6	-73.9137	36.79166	4708911	-1.6E+07	12625661
213.4	271194.6	-73.9079	36.78765	4710944	-1.6E+07	12624827
213.6	271779.6	-73.9021	36.78363	4712982	-1.6E+07	12623990
213.8	272365.5	-73.8962	36.7796	4715026	-1.6E+07	12623150
214	272952.3	-73.8904	36.77556	4717075	-1.6E+07	12622308
214.2	273540	-73.8845	36.7715	4719130	-1.6E+07	12621462
214.4	274128.6	-73.8786	36.76744	4721190	-1.6E+07	12620613
214.6	274718	-73.8727	36.76336	4723255	-1.6E+07	12619761
214.8	275308.3	-73.8668	36.75927	4725326	-1.6E+07	12618907
215	275899.4	-73.8608	36.75518	4727402	-1.6E+07	12618049
215.2	276491.3	-73.8549	36.75107	4729484	-1.6E+07	12617189
215.4	277083.9	-73.8489	36.74694	4731571	-1.6E+07	12616325
215.6	277677.3	-73.8429	36.74281	4733663	-1.6E+07	12615458
215.8	278271.5	-73.8369	36.73867	4735761	-1.6E+07	12614589
216	278866.3	-73.8309	36.73451	4737864	-1.6E+07	12613716
216.2	279461.8	-73.8249	36.73035	4739973	-1.6E+07	12612840
216.4	280058	-73.8189	36.72617	4742086	-1.6E+07	12611961
216.6	280654.9	-73.8128	36.72198	4744205	-1.6E+07	12611079
216.8	281252.4	-73.8067	36.71778	4746330	-1.6E+07	12610194
217	281850.6	-73.8006	36.71357	4748460	-1.6E+07	12609306
217.2	282449.4	-73.7945	36.70935	4750595	-1.6E+07	12608415
217.4	283048.8	-73.7884	36.70511	4752735	-1.6E+07	12607521
217.6	283648.8	-73.7823	36.70087	4754881	-1.6E+07	12606623
217.8	284249.4	-73.7761	36.69661	4757032	-1.6E+07	12605723
218	284850.7	-73.77	36.69234	4759188	-1.6E+07	12604819
218.2	285452.5	-73.7638	36.68806	4761350	-1.6E+07	12603912
218.4	286054.8	-73.7576	36.68377	4763517	-1.6E+07	12603003
218.6	286657.8	-73.7514	36.67947	4765689	-1.6E+07	12602090
218.8	287261.3	-73.7452	36.67516	4767866	-1.6E+07	12601174
219	287865.5	-73.7389	36.67084	4770049	-1.6E+07	12600255
219.2	288470.1	-73.7327	36.6665	4772236	-1.6E+07	12599332
219.4	289075.4	-73.7264	36.66216	4774429	-1.6E+07	12598407
219.6	289681.1	-73.7201	36.6578	4776628	-1.6E+07	12597479
219.8	290287.5	-73.7138	36.65343	4778831	-1.6E+07	12596547
220	290894.3	-73.7075	36.64905	4781040	-1.6E+07	12595613
220.2	291501.8	-73.7012	36.64466	4783254	-1.6E+07	12594675
220.4	292109.7	-73.6949	36.64026	4785473	-1.6E+07	12593734
220.6	292718.2	-73.6885	36.63585	4787697	-1.6E+07	12592790
220.8	293327.3	-73.6821	36.63143	4789926	-1.6E+07	12591843
221	293936.9	-73.6758	36.62699	4792161	-1.6E+07	12590893
221.2	294547	-73.6694	36.62255	4794400	-1.6E+07	12589940
221.4	295157.6	-73.6629	36.61809	4796645	-1.6E+07	12588984
221.6	295768.8	-73.6565	36.61362	4798895	-1.6E+07	12588024
221.8	296380.5	-73.6501	36.60915	4801150	-1.6E+07	12587062

222	296992.7	-73.6436	36.60466	4803410	-1.6E+07	12586096
222.2	297605.5	-73.6372	36.60016	4805675	-1.6E+07	12585128
222.4	298218.8	-73.6307	36.59565	4807946	-1.6E+07	12584156
222.6	298832.5	-73.6242	36.59113	4810221	-1.6E+07	12583181
222.8	299446.8	-73.6177	36.58659	4812502	-1.6E+07	12582204
223	300061.6	-73.6111	36.58205	4814787	-1.6E+07	12581223
223.2	300676.9	-73.6046	36.5775	4817078	-1.6E+07	12580239
223.4	301292.7	-73.5981	36.57293	4819373	-1.6E+07	12579252
223.6	301909	-73.5915	36.56836	4821674	-1.6E+07	12578262
223.8	302525.8	-73.5849	36.56377	4823979	-1.6E+07	12577269
224	303143.1	-73.5783	36.55917	4826290	-1.6E+07	12576273
224.2	303760.9	-73.5717	36.55456	4828605	-1.6E+07	12575274
224.4	304379.2	-73.5651	36.54995	4830926	-1.6E+07	12574272
224.6	304997.9	-73.5585	36.54532	4833251	-1.6E+07	12573266
224.8	305617.2	-73.5518	36.54068	4835582	-1.6E+07	12572258
225	306236.9	-73.5451	36.53603	4837917	-1.6E+07	12571247
225.2	306857.1	-73.5385	36.53137	4840257	-1.6E+07	12570233
225.4	307477.7	-73.5318	36.5267	4842602	-1.6E+07	12569215
225.6	308098.9	-73.5251	36.52201	4844952	-1.6E+07	12568195
225.8	308720.4	-73.5184	36.51732	4847307	-1.6E+07	12567172
226	309342.5	-73.5116	36.51262	4849667	-1.6E+07	12566145
226.2	309965	-73.5049	36.50791	4852031	-1.6E+07	12565116
226.4	310587.9	-73.4981	36.50318	4854401	-1.6E+07	12564084
226.6	311211.4	-73.4914	36.49845	4856775	-1.6E+07	12563048
226.8	311835.2	-73.4846	36.4937	4859154	-1.6E+07	12562010
227	312459.5	-73.4778	36.48895	4861538	-1.6E+07	12560969
227.2	313084.3	-73.471	36.48418	4863927	-1.6E+07	12559924
227.4	313709.4	-73.4641	36.47941	4866320	-1.6E+07	12558877
227.6	314335	-73.4573	36.47462	4868718	-1.6E+07	12557827
227.8	314961.1	-73.4505	36.46982	4871121	-1.6E+07	12556774
228	315587.5	-73.4436	36.46502	4873528	-1.6E+07	12555717
228.2	316214.4	-73.4367	36.4602	4875941	-1.6E+07	12554658
228.4	316841.7	-73.4298	36.45537	4878358	-1.6E+07	12553596
228.6	317469.4	-73.4229	36.45054	4880779	-1.6E+07	12552531
228.8	318097.5	-73.416	36.44569	4883206	-1.6E+07	12551463
229	318726.1	-73.4091	36.44083	4885637	-1.6E+07	12550392
229.2	319355	-73.4022	36.43596	4888072	-1.6E+07	12549318
229.4	319984.3	-73.3952	36.43109	4890512	-1.6E+07	12548241
229.6	320614	-73.3882	36.4262	4892957	-1.6E+07	12547161
229.8	321244.1	-73.3813	36.4213	4895406	-1.6E+07	12546079
230	321874.6	-73.3743	36.41639	4897860	-1.6E+07	12544993
230.2	322505.5	-73.3673	36.41147	4900319	-1.6E+07	12543905
230.4	323136.8	-73.3603	36.40655	4902782	-1.6E+07	12542813
230.6	323768.4	-73.3532	36.40161	4905249	-1.6E+07	12541719
230.8	324400.5	-73.3462	36.39666	4907721	-1.6E+07	12540622
231	325032.9	-73.3391	36.3917	4910198	-1.6E+07	12539521
231.2	325665.7	-73.3321	36.38674	4912679	-1.6E+07	12538418

231.4	326298.9	-73.325	36.38176	4915165	-1.6E+07	12537312
231.6	326932.6	-73.3179	36.37677	4917656	-1.6E+07	12536203
231.8	327566.6	-73.3108	36.37177	4920151	-1.6E+07	12535091
232	328201	-73.3037	36.36677	4922650	-1.6E+07	12533976
232.2	328835.8	-73.2966	36.36175	4925155	-1.6E+07	12532858
232.4	329471	-73.2894	36.35672	4927664	-1.6E+07	12531737
232.6	330106.7	-73.2823	36.35168	4930178	-1.6E+07	12530613
232.8	330742.9	-73.2751	36.34663	4932696	-1.6E+07	12529486
233	331379.7	-73.2679	36.34157	4935219	-1.6E+07	12528356
233.2	332016.9	-73.2608	36.3365	4937747	-1.6E+07	12527224
233.4	332654.7	-73.2536	36.33142	4940280	-1.6E+07	12526088
233.6	333293.2	-73.2463	36.32633	4942818	-1.6E+07	12524950
233.8	333932.2	-73.2391	36.32123	4945360	-1.6E+07	12523808
234	334572	-73.2319	36.31612	4947907	-1.6E+07	12522664
234.2	335212.4	-73.2246	36.311	4950459	-1.6E+07	12521517
234.4	335853.5	-73.2173	36.30587	4953016	-1.6E+07	12520367
234.55	336334.9	-73.2119	36.30201	4954937	-1.6E+07	12519503
234.6	336495.4	-73.2101	36.30073	4955578	-1.6E+07	12519214
234.8	337137.3	-73.2028	36.29558	4958142	-1.6E+07	12518060
235	337778.7	-73.1955	36.29043	4960707	-1.6E+07	12516904
235.2	338419.6	-73.1882	36.28528	4963272	-1.6E+07	12515748
235.4	339059.8	-73.1809	36.28013	4965838	-1.6E+07	12514590
235.6	339699.5	-73.1736	36.27498	4968403	-1.6E+07	12513431
235.8	340338.5	-73.1663	36.26982	4970970	-1.6E+07	12512272
236	340976.9	-73.159	36.26467	4973536	-1.6E+07	12511111
236.2	341614.6	-73.1518	36.25951	4976102	-1.6E+07	12509950
236.4	342251.7	-73.1445	36.25435	4978669	-1.6E+07	12508788
236.6	342888.1	-73.1372	36.24919	4981235	-1.6E+07	12507625
236.8	343523.8	-73.1299	36.24403	4983802	-1.6E+07	12506461
237	344158.7	-73.1226	36.23887	4986368	-1.6E+07	12505296
237.2	344793	-73.1153	36.23371	4988935	-1.6E+07	12504130
237.4	345426.5	-73.108	36.22855	4991501	-1.6E+07	12502964
237.6	346059.2	-73.1007	36.22339	4994067	-1.6E+07	12501797
237.8	346691.2	-73.0935	36.21823	4996632	-1.6E+07	12500629
238	347322.4	-73.0862	36.21306	4999198	-1.6E+07	12499461
238.2	347952.7	-73.0789	36.2079	5001763	-1.6E+07	12498291
238.4	348582.3	-73.0716	36.20274	5004327	-1.6E+07	12497121
238.55	349054	-73.0662	36.19887	5006251	-1.6E+07	12496243
238.6	349211.1	-73.0644	36.19758	5006892	-1.6E+07	12495950
238.8	349839.1	-73.0571	36.19241	5009456	-1.6E+07	12494779
239	350466.2	-73.0498	36.18725	5012020	-1.6E+07	12493607
239.2	351092.6	-73.0425	36.18208	5014583	-1.6E+07	12492434
239.4	351718.2	-73.0353	36.17692	5017146	-1.6E+07	12491260
239.6	352343	-73.028	36.17176	5019709	-1.6E+07	12490086
239.8	352967	-73.0207	36.16659	5022271	-1.6E+07	12488910
240	353590.2	-73.0135	36.16143	5024833	-1.6E+07	12487734
240.2	354212.6	-73.0062	36.15626	5027395	-1.6E+07	12486558

240.35	354678.9	-73.0008	36.15239	5029316	-1.6E+07	12485675
240.4	354834.2	-72.9989	36.1511	5029957	-1.6E+07	12485380
240.55	355314.1	-72.9934	36.14717	5031911	-1.6E+07	12484488
240.6	355469.3	-72.9916	36.14587	5032551	-1.6E+07	12484194
240.8	356089.5	-72.9843	36.14071	5035112	-1.6E+07	12483015
241	356708.9	-72.9771	36.13554	5037673	-1.6E+07	12481835
241.2	357327.6	-72.9698	36.13038	5040233	-1.6E+07	12480655
241.4	357945.5	-72.9626	36.12521	5042793	-1.6E+07	12479474
241.6	358562.6	-72.9553	36.12004	5045353	-1.6E+07	12478292
241.8	359178.9	-72.9481	36.11488	5047913	-1.6E+07	12477110
242	359794.4	-72.9408	36.10971	5050472	-1.6E+07	12475927
242.0516	359953.3	-72.9389	36.10837	5051133	-1.6E+07	12475621
242.2	360409.2	-72.9336	36.10454	5053031	-1.6E+07	12474743
242.4	361023.1	-72.9263	36.09937	5055589	-1.6E+07	12473558
242.6	361636.2	-72.9191	36.0942	5058148	-1.6E+07	12472373
242.8	362248.5	-72.9118	36.08904	5060706	-1.6E+07	12471187
243	362860.1	-72.9046	36.08387	5063263	-1.6E+07	12470000
243.2	363470.8	-72.8973	36.0787	5065820	-1.6E+07	12468812
243.4	364080.7	-72.8901	36.07353	5068377	-1.6E+07	12467624
243.6	364689.9	-72.8829	36.06836	5070934	-1.6E+07	12466435
243.8	365298.2	-72.8756	36.06319	5073490	-1.6E+07	12465245
244	365905.8	-72.8684	36.05802	5076046	-1.6E+07	12464055
244.2	366512.6	-72.8612	36.05285	5078602	-1.6E+07	12462864
244.4	367118.5	-72.8539	36.04768	5081157	-1.6E+07	12461672
244.6	367723.7	-72.8467	36.04251	5083712	-1.6E+07	12460479
244.8	368328.1	-72.8395	36.03734	5086267	-1.6E+07	12459285
245	368931.7	-72.8322	36.03217	5088822	-1.6E+07	12458091
245.2	369534.5	-72.825	36.02699	5091376	-1.6E+07	12456896
245.4	370136.5	-72.8178	36.02182	5093929	-1.6E+07	12455701
245.6	370737.7	-72.8106	36.01665	5096483	-1.6E+07	12454505
245.8	371338.1	-72.8033	36.01148	5099036	-1.6E+07	12453307
246	371937.7	-72.7961	36.00631	5101589	-1.6E+07	12452110
246.2	372536.5	-72.7889	36.00113	5104141	-1.6E+07	12450911
246.4	373134.5	-72.7817	35.99596	5106693	-1.6E+07	12449712
246.6	373731.7	-72.7745	35.99079	5109245	-1.6E+07	12448512
246.8	374328.2	-72.7673	35.98561	5111797	-1.6E+07	12447311
247	374923.8	-72.7601	35.98044	5114348	-1.6E+07	12446110
247.2	375518.6	-72.7528	35.97527	5116899	-1.6E+07	12444908
247.4	376112.7	-72.7456	35.97009	5119449	-1.6E+07	12443705
247.6	376705.9	-72.7384	35.96492	5121999	-1.6E+07	12442501
247.8	377298.4	-72.7312	35.95974	5124549	-1.6E+07	12441297
248	377890.1	-72.724	35.95457	5127099	-1.6E+07	12440092
248.2	378480.9	-72.7168	35.94939	5129648	-1.6E+07	12438886
248.4	379071	-72.7096	35.94422	5132197	-1.6E+07	12437679
248.6	379660.3	-72.7024	35.93904	5134745	-1.6E+07	12436472
248.8	380248.8	-72.6952	35.93387	5137294	-1.6E+07	12435264
249	380836.5	-72.688	35.92869	5139841	-1.6E+07	12434055

249.2	381423.4	-72.6808	35.92351	5142389	-1.6E+07	12432846
249.4	382009.5	-72.6736	35.91834	5144936	-1.6E+07	12431636
249.6	382594.8	-72.6664	35.91316	5147483	-1.6E+07	12430425
249.8	383179.3	-72.6592	35.90798	5150030	-1.6E+07	12429213
250	383763	-72.652	35.90281	5152576	-1.6E+07	12428001
250.2	384345.9	-72.6449	35.89763	5155122	-1.6E+07	12426788
250.4	384928.1	-72.6377	35.89245	5157668	-1.6E+07	12425574
250.6	385509.4	-72.6305	35.88727	5160213	-1.6E+07	12424360
250.8	386090	-72.6233	35.88209	5162758	-1.6E+07	12423144
251	386669.7	-72.6161	35.87692	5165303	-1.6E+07	12421928
251.2	387248.7	-72.6089	35.87174	5167847	-1.6E+07	12420712
251.4	387826.8	-72.6018	35.86656	5170391	-1.7E+07	12419494
251.6	388404.2	-72.5946	35.86138	5172935	-1.7E+07	12418276
251.8	388980.8	-72.5874	35.8562	5175478	-1.7E+07	12417057
252	389556.5	-72.5802	35.85102	5178021	-1.7E+07	12415837
252.2	390131.5	-72.5731	35.84584	5180564	-1.7E+07	12414617
252.4	390705.7	-72.5659	35.84066	5183106	-1.7E+07	12413396
252.6	391279.1	-72.5587	35.83548	5185648	-1.7E+07	12412174
252.8	391851.7	-72.5515	35.8303	5188190	-1.7E+07	12410952
253	392423.5	-72.5444	35.82512	5190731	-1.7E+07	12409729
253.2	392994.6	-72.5372	35.81993	5193273	-1.7E+07	12408505
253.4	393564.8	-72.53	35.81475	5195813	-1.7E+07	12407280
253.6	394134.2	-72.5229	35.80957	5198354	-1.7E+07	12406055
253.8	394702.8	-72.5157	35.80439	5200894	-1.7E+07	12404828
254	395270.7	-72.5086	35.79921	5203434	-1.7E+07	12403602
254.2	395837.7	-72.5014	35.79402	5205973	-1.7E+07	12402374
254.4	396404	-72.4942	35.78884	5208512	-1.7E+07	12401146
254.6	396969.4	-72.4871	35.78366	5211051	-1.7E+07	12399917
254.8	397534.1	-72.4799	35.77847	5213589	-1.7E+07	12398687
255	398098	-72.4728	35.77329	5216128	-1.7E+07	12397456
255.2	398661	-72.4656	35.76811	5218665	-1.7E+07	12396225
255.4	399223.3	-72.4585	35.76292	5221203	-1.7E+07	12394993
255.6	399784.8	-72.4513	35.75774	5223740	-1.7E+07	12393761
255.8	400345.5	-72.4442	35.75255	5226277	-1.7E+07	12392527
256	400905.4	-72.437	35.74737	5228813	-1.7E+07	12391293
256.2	401464.5	-72.4299	35.74218	5231350	-1.7E+07	12390058
256.4	402022.8	-72.4227	35.737	5233885	-1.7E+07	12388823
256.6	402580.4	-72.4156	35.73181	5236421	-1.7E+07	12387587
256.8	403137.1	-72.4085	35.72663	5238956	-1.7E+07	12386350
257	403693	-72.4013	35.72144	5241491	-1.7E+07	12385112
257.2	404248.2	-72.3942	35.71625	5244025	-1.7E+07	12383873
257.4	404802.5	-72.3871	35.71107	5246560	-1.7E+07	12382634
257.6	405356.1	-72.3799	35.70588	5249093	-1.7E+07	12381394
257.8	405908.8	-72.3728	35.70069	5251627	-1.7E+07	12380154
258	406460.8	-72.3657	35.69551	5254160	-1.7E+07	12378912
258.2	407012	-72.3585	35.69032	5256693	-1.7E+07	12377670
258.4	407562.4	-72.3514	35.68513	5259226	-1.7E+07	12376428

258.6	408112	-72.3443	35.67994	5261758	-1.7E+07	12375184
258.8	408660.8	-72.3371	35.67475	5264290	-1.7E+07	12373940
259	409208.8	-72.33	35.66956	5266821	-1.7E+07	12372695
259.2	409756	-72.3229	35.66438	5269353	-1.7E+07	12371449
259.4	410302.4	-72.3158	35.65919	5271884	-1.7E+07	12370203
259.6	410848	-72.3087	35.654	5274414	-1.7E+07	12368956
259.8	411392.8	-72.3015	35.64881	5276944	-1.7E+07	12367708
260	411936.9	-72.2944	35.64362	5279474	-1.7E+07	12366460
260.2	412480.1	-72.2873	35.63843	5282004	-1.7E+07	12365210
260.4	413022.6	-72.2802	35.63324	5284533	-1.7E+07	12363960
260.6	413564.2	-72.2731	35.62805	5287062	-1.7E+07	12362710
260.8	414105.1	-72.266	35.62285	5289591	-1.7E+07	12361458
261	414645.2	-72.2589	35.61766	5292119	-1.7E+07	12360206
261.2	415184.4	-72.2518	35.61247	5294647	-1.7E+07	12358953
261.4	415722.9	-72.2446	35.60728	5297174	-1.7E+07	12357700
261.6	416260.6	-72.2375	35.60209	5299702	-1.7E+07	12356446
261.8	416797.5	-72.2304	35.59689	5302229	-1.7E+07	12355191
262	417333.6	-72.2233	35.5917	5304755	-1.7E+07	12353935
262.2	417868.9	-72.2162	35.58651	5307282	-1.7E+07	12352678
262.4	418403.5	-72.2091	35.58132	5309808	-1.7E+07	12351421
262.6	418937.2	-72.202	35.57612	5312333	-1.7E+07	12350163
262.8	419470.1	-72.1949	35.57093	5314858	-1.7E+07	12348905
263	420002.3	-72.1878	35.56574	5317383	-1.7E+07	12347645
263.2	420533.6	-72.1807	35.56054	5319908	-1.7E+07	12346385
263.4	421064.2	-72.1737	35.55535	5322432	-1.7E+07	12345125
263.6	421593.9	-72.1666	35.55015	5324956	-1.7E+07	12343863
263.8	422122.9	-72.1595	35.54496	5327480	-1.7E+07	12342601
264	422651.1	-72.1524	35.53976	5330003	-1.7E+07	12341338
264.2	423178.5	-72.1453	35.53457	5332526	-1.7E+07	12340074
264.4	423705.1	-72.1382	35.52937	5335049	-1.7E+07	12338810
264.6	424230.9	-72.1311	35.52417	5337571	-1.7E+07	12337545
264.8	424755.9	-72.124	35.51898	5340093	-1.7E+07	12336279
265	425280.1	-72.117	35.51378	5342615	-1.7E+07	12335013
265.2	425803.5	-72.1099	35.50858	5345136	-1.7E+07	12333745
265.4	426326.2	-72.1028	35.50339	5347657	-1.7E+07	12332478
265.6	426848	-72.0957	35.49819	5350178	-1.7E+07	12331209
265.8	427369.1	-72.0887	35.49299	5352698	-1.7E+07	12329939
266	427889.3	-72.0816	35.48779	5355218	-1.7E+07	12328669
266.2	428408.8	-72.0745	35.4826	5357738	-1.7E+07	12327399
266.4	428927.4	-72.0674	35.4774	5360257	-1.7E+07	12326127
266.6	429445.3	-72.0604	35.4722	5362776	-1.7E+07	12324855
266.8	429962.4	-72.0533	35.467	5365295	-1.7E+07	12323582
267	430478.7	-72.0462	35.4618	5367813	-1.7E+07	12322308
267.2	430994.2	-72.0392	35.4566	5370331	-1.7E+07	12321034
267.4	431508.9	-72.0321	35.4514	5372849	-1.7E+07	12319759
267.6	432022.8	-72.025	35.4462	5375366	-1.7E+07	12318483
267.8	432536	-72.018	35.441	5377883	-1.7E+07	12317206

268	433048.3	-72.0109	35.4358	5380400	-1.7E+07	12315929
268.2	433559.8	-72.0039	35.4306	5382916	-1.7E+07	12314651
268.4	434070.6	-71.9968	35.4254	5385432	-1.7E+07	12313372
268.6	434580.5	-71.9897	35.4202	5387947	-1.7E+07	12312093
268.8	435089.7	-71.9827	35.415	5390463	-1.7E+07	12310813
269	435598.1	-71.9756	35.40979	5392978	-1.7E+07	12309532
269.2	436105.7	-71.9686	35.40459	5395492	-1.7E+07	12308251
269.4	436612.5	-71.9615	35.39939	5398007	-1.7E+07	12306968
269.6	437118.5	-71.9545	35.39419	5400521	-1.7E+07	12305685
269.8	437623.7	-71.9474	35.38898	5403034	-1.7E+07	12304402
270	438128.1	-71.9404	35.38378	5405548	-1.7E+07	12303117
270.2	438631.7	-71.9333	35.37858	5408061	-1.7E+07	12301832
270.4	439134.5	-71.9263	35.37337	5410573	-1.7E+07	12300546
270.55	439511.1	-71.921	35.36947	5412458	-1.7E+07	12299582
270.6	439636.6	-71.9193	35.36817	5413086	-1.7E+07	12299260
270.8	440137.8	-71.9122	35.36297	5415598	-1.7E+07	12297973
271	440638.3	-71.9052	35.35776	5418109	-1.7E+07	12296685
271.2	441137.9	-71.8981	35.35256	5420620	-1.7E+07	12295396
271.4	441636.8	-71.8911	35.34735	5423131	-1.7E+07	12294107
271.6	442134.9	-71.8841	35.34215	5425642	-1.7E+07	12292816
271.8	442632.2	-71.877	35.33694	5428152	-1.7E+07	12291526
272	443128.7	-71.87	35.33174	5430662	-1.7E+07	12290234
272.2	443624.4	-71.863	35.32653	5433172	-1.7E+07	12288942
272.4	444119.3	-71.8559	35.32132	5435681	-1.7E+07	12287649
272.6	444613.4	-71.8489	35.31612	5438190	-1.7E+07	12286355
272.8	445106.8	-71.8419	35.31091	5440699	-1.7E+07	12285061
273	445599.3	-71.8349	35.3057	5443207	-1.7E+07	12283766
273.2	446091	-71.8278	35.30049	5445715	-1.7E+07	12282470
273.4	446582	-71.8208	35.29529	5448223	-1.7E+07	12281173
273.6	447072.2	-71.8138	35.29008	5450730	-1.7E+07	12279876
273.8	447561.5	-71.8068	35.28487	5453237	-1.7E+07	12278578
274	448050.1	-71.7997	35.27966	5455743	-1.7E+07	12277279
274.2	448537.9	-71.7927	35.27445	5458250	-1.7E+07	12275980
274.4	449024.9	-71.7857	35.26924	5460756	-1.7E+07	12274680
274.6	449511.1	-71.7787	35.26403	5463261	-1.7E+07	12273379
274.8	449996.6	-71.7717	35.25883	5465766	-1.7E+07	12272078
275	450481.2	-71.7647	35.25362	5468271	-1.7E+07	12270775
275.2	450965	-71.7577	35.24841	5470776	-1.7E+07	12269473
275.4	451448.1	-71.7506	35.24319	5473280	-1.7E+07	12268169
275.6	451930.3	-71.7436	35.23798	5475784	-1.7E+07	12266865
275.8	452411.8	-71.7366	35.23277	5478288	-1.7E+07	12265560
276	452892.5	-71.7296	35.22756	5480791	-1.7E+07	12264254
276.2	453372.3	-71.7226	35.22235	5483294	-1.7E+07	12262947
276.4	453851.4	-71.7156	35.21714	5485796	-1.7E+07	12261640
276.6	454329.7	-71.7086	35.21193	5488298	-1.7E+07	12260332
276.8	454807.2	-71.7016	35.20671	5490800	-1.7E+07	12259024
277	455284	-71.6946	35.2015	5493302	-1.7E+07	12257714

277.2	455759.9	-71.6876	35.19629	5495803	-1.7E+07	12256404
277.4	456235	-71.6806	35.19108	5498304	-1.7E+07	12255093
277.6	456709.4	-71.6736	35.18586	5500804	-1.7E+07	12253782
277.8	457182.9	-71.6666	35.18065	5503305	-1.7E+07	12252470
278	457655.7	-71.6596	35.17543	5505804	-1.7E+07	12251157
278.2	458127.7	-71.6527	35.17022	5508304	-1.7E+07	12249843
278.4	458598.9	-71.6457	35.16501	5510803	-1.7E+07	12248529
278.6	459069.2	-71.6387	35.15979	5513302	-1.7E+07	12247214
278.8	459538.8	-71.6317	35.15458	5515800	-1.7E+07	12245898
279	460007.7	-71.6247	35.14936	5518298	-1.7E+07	12244582
279.2	460475.7	-71.6177	35.14414	5520796	-1.7E+07	12243265
279.4	460942.9	-71.6107	35.13893	5523294	-1.7E+07	12241947
279.6	461409.4	-71.6038	35.13371	5525791	-1.7E+07	12240628
279.8	461875	-71.5968	35.1285	5528288	-1.7E+07	12239309
280	462339.9	-71.5898	35.12328	5530784	-1.7E+07	12237989
280.2	462803.9	-71.5828	35.11806	5533280	-1.7E+07	12236669
280.4	463267.2	-71.5758	35.11285	5535776	-1.7E+07	12235347
280.6	463729.7	-71.5689	35.10763	5538271	-1.7E+07	12234025
280.8	464191.4	-71.5619	35.10241	5540767	-1.7E+07	12232702
281	464652.3	-71.5549	35.09719	5543261	-1.7E+07	12231379
281.2	465112.4	-71.548	35.09197	5545756	-1.7E+07	12230055
281.4	465571.7	-71.541	35.08676	5548250	-1.7E+07	12228730
281.6	466030.3	-71.534	35.08154	5550743	-1.7E+07	12227404
281.8	466488	-71.5271	35.07632	5553237	-1.7E+07	12226078
282	466945	-71.5201	35.0711	5555730	-1.7E+07	12224751
282.2	467401.1	-71.5131	35.06588	5558223	-1.7E+07	12223423
282.4	467856.5	-71.5062	35.06066	5560715	-1.7E+07	12222094
282.6	468311.1	-71.4992	35.05544	5563207	-1.7E+07	12220765
282.8	468764.9	-71.4922	35.05022	5565699	-1.7E+07	12219435
283	469217.9	-71.4853	35.045	5568190	-1.7E+07	12218105
283.2	469670.1	-71.4783	35.03977	5570681	-1.7E+07	12216774
283.4	470121.5	-71.4714	35.03455	5573172	-1.7E+07	12215442
283.6	470572.2	-71.4644	35.02933	5575662	-1.7E+07	12214109
283.8	471022	-71.4575	35.02411	5578152	-1.7E+07	12212776
284	471471.1	-71.4505	35.01889	5580642	-1.7E+07	12211441
284.2	471919.3	-71.4436	35.01367	5583131	-1.7E+07	12210107
284.4	472366.8	-71.4366	35.00844	5585620	-1.7E+07	12208771
284.6	472813.5	-71.4297	35.00322	5588109	-1.7E+07	12207435
284.8	473259.4	-71.4227	34.998	5590597	-1.7E+07	12206098
285	473704.5	-71.4158	34.99277	5593085	-1.7E+07	12204760
285.2	474148.8	-71.4088	34.98755	5595572	-1.7E+07	12203422
285.4	474592.3	-71.4019	34.98232	5598060	-1.7E+07	12202083
285.6	475035.1	-71.3949	34.9771	5600546	-1.7E+07	12200743
285.8	475477	-71.388	34.97187	5603033	-1.7E+07	12199403
286	475918.2	-71.3811	34.96665	5605519	-1.7E+07	12198062
286.2	476358.5	-71.3741	34.96142	5608005	-1.7E+07	12196720
286.4	476798.1	-71.3672	34.9562	5610491	-1.7E+07	12195377

286.6	477236.9	-71.3603	34.95097	5612976	-1.7E+07	12194034
286.8	477674.9	-71.3533	34.94575	5615461	-1.7E+07	12192690
287	478112.1	-71.3464	34.94052	5617945	-1.7E+07	12191345
287.2	478548.5	-71.3395	34.93529	5620429	-1.7E+07	12190000
287.4	478984.2	-71.3325	34.93007	5622913	-1.7E+07	12188654
287.6	479419	-71.3256	34.92484	5625397	-1.7E+07	12187307
287.8	479853	-71.3187	34.91961	5627880	-1.7E+07	12185960
288	480286.3	-71.3117	34.91438	5630363	-1.7E+07	12184611
288.2	480718.8	-71.3048	34.90916	5632845	-1.7E+07	12183263
288.4	481150.5	-71.2979	34.90393	5635327	-1.7E+07	12181913
288.6	481581.3	-71.291	34.8987	5637809	-1.7E+07	12180563
288.8	482011.4	-71.2841	34.89347	5640290	-1.7E+07	12179212
289	482440.8	-71.2771	34.88824	5642771	-1.7E+07	12177860
289.2	482869.3	-71.2702	34.88301	5645252	-1.7E+07	12176508
289.4	483297	-71.2633	34.87778	5647732	-1.7E+07	12175154
289.6	483724	-71.2564	34.87255	5650213	-1.7E+07	12173801
289.8	484150.1	-71.2495	34.86732	5652692	-1.7E+07	12172446
290	484575.5	-71.2426	34.86209	5655172	-1.7E+07	12171091
290.2	485000.1	-71.2356	34.85686	5657651	-1.7E+07	12169735
290.4	485423.8	-71.2287	34.85163	5660129	-1.7E+07	12168378
290.6	485846.8	-71.2218	34.8464	5662608	-1.7E+07	12167021
290.8	486269	-71.2149	34.84116	5665086	-1.7E+07	12165663
291	486690.5	-71.208	34.83593	5667563	-1.7E+07	12164304
291.2	487111.1	-71.2011	34.8307	5670040	-1.7E+07	12162945
291.4	487530.9	-71.1942	34.82547	5672517	-1.7E+07	12161585
291.6	487950	-71.1873	34.82023	5674994	-1.7E+07	12160224
291.8	488368.3	-71.1804	34.815	5677470	-1.7E+07	12158862
292	488785.7	-71.1735	34.80977	5679946	-1.7E+07	12157500
292.2	489202.4	-71.1666	34.80453	5682422	-1.7E+07	12156137
292.4	489618.3	-71.1597	34.7993	5684897	-1.7E+07	12154774
292.6	490033.4	-71.1528	34.79406	5687372	-1.7E+07	12153409
292.8	490447.7	-71.1459	34.78883	5689846	-1.7E+07	12152044
293	490861.3	-71.139	34.78359	5692320	-1.7E+07	12150679
293.2	491274	-71.1321	34.77836	5694794	-1.7E+07	12149312
293.4	491686	-71.1252	34.77312	5697268	-1.7E+07	12147945
293.6	492097.1	-71.1183	34.76789	5699741	-1.7E+07	12146577
293.8	492507.5	-71.1115	34.76265	5702214	-1.7E+07	12145209
294	492917.1	-71.1046	34.75742	5704686	-1.7E+07	12143839
294.2	493325.9	-71.0977	34.75218	5707158	-1.7E+07	12142469
294.4	493733.9	-71.0908	34.74694	5709630	-1.7E+07	12141099
294.6	494141.1	-71.0839	34.7417	5712101	-1.7E+07	12139727
294.8	494547.5	-71.077	34.73647	5714572	-1.7E+07	12138355
295	494953.2	-71.0702	34.73123	5717043	-1.7E+07	12136983
295.2	495358	-71.0633	34.72599	5719513	-1.7E+07	12135609
295.4	495762.1	-71.0564	34.72075	5721983	-1.7E+07	12134235
295.6	496165.4	-71.0495	34.71551	5724453	-1.7E+07	12132860
295.8	496567.8	-71.0426	34.71027	5726922	-1.7E+07	12131485

296	496969.5	-71.0358	34.70504	5729391	-1.7E+07	12130109
296.2	497370.5	-71.0289	34.6998	5731860	-1.7E+07	12128732
296.4	497770.6	-71.022	34.69456	5734328	-1.7E+07	12127354
296.6	498169.9	-71.0152	34.68932	5736796	-1.7E+07	12125976
296.8	498568.4	-71.0083	34.68408	5739264	-1.7E+07	12124597
297	498966.2	-71.0014	34.67883	5741731	-1.7E+07	12123217
297.2	499363.2	-70.9945	34.67359	5744198	-1.7E+07	12121837
297.4	499759.3	-70.9877	34.66835	5746665	-1.7E+07	12120455
297.6	500154.7	-70.9808	34.66311	5749131	-1.7E+07	12119074
297.8	500549.3	-70.974	34.65787	5751597	-1.7E+07	12117691
298	500943.2	-70.9671	34.65263	5754062	-1.7E+07	12116308
298.2	501336.2	-70.9602	34.64738	5756527	-1.7E+07	12114924
298.4	501728.4	-70.9534	34.64214	5758992	-1.7E+07	12113539
298.6	502119.9	-70.9465	34.6369	5761456	-1.7E+07	12112154
298.8	502510.5	-70.9397	34.63165	5763921	-1.7E+07	12110768
299	502900.4	-70.9328	34.62641	5766384	-1.7E+07	12109382
299.2	503289.5	-70.9259	34.62117	5768848	-1.7E+07	12107994
299.4	503677.8	-70.9191	34.61592	5771311	-1.7E+07	12106606
299.6	504065.3	-70.9122	34.61068	5773773	-1.7E+07	12105217
299.8	504452	-70.9054	34.60543	5776236	-1.7E+07	12103828
300	504837.9	-70.8985	34.60019	5778698	-1.7E+07	12102438
300.2	505223.1	-70.8917	34.59494	5781160	-1.7E+07	12101047
300.4	505607.4	-70.8848	34.5897	5783621	-1.7E+07	12099655
300.6	505991	-70.878	34.58445	5786082	-1.7E+07	12098263
300.8	506373.8	-70.8712	34.57921	5788542	-1.7E+07	12096870
301	506755.7	-70.8643	34.57396	5791003	-1.7E+07	12095476
301.2	507136.9	-70.8575	34.56871	5793463	-1.7E+07	12094082
301.4	507517.4	-70.8506	34.56346	5795922	-1.7E+07	12092687
301.6	507897	-70.8438	34.55822	5798381	-1.7E+07	12091291
301.8	508275.8	-70.837	34.55297	5800840	-1.7E+07	12089895
302	508653.9	-70.8301	34.54772	5803299	-1.7E+07	12088498
302.2	509031.1	-70.8233	34.54247	5805757	-1.7E+07	12087100
302.4	509407.6	-70.8164	34.53722	5808215	-1.7E+07	12085701
302.6	509783.3	-70.8096	34.53197	5810672	-1.7E+07	12084302
302.8	510158.2	-70.8028	34.52673	5813129	-1.7E+07	12082902
303	510532.3	-70.7959	34.52148	5815586	-1.7E+07	12081502
303.2	510905.6	-70.7891	34.51623	5818042	-1.7E+07	12080100
303.4	511278.1	-70.7823	34.51098	5820498	-1.7E+07	12078698
303.6	511649.9	-70.7755	34.50573	5822954	-1.7E+07	12077296
303.8	512020.9	-70.7686	34.50047	5825410	-1.7E+07	12075892
304	512391	-70.7618	34.49522	5827865	-1.7E+07	12074488
304.2	512760.4	-70.755	34.48997	5830319	-1.7E+07	12073083
304.4	513129	-70.7482	34.48472	5832774	-1.7E+07	12071678
304.6	513496.8	-70.7413	34.47947	5835227	-1.7E+07	12070272
304.8	513863.8	-70.7345	34.47422	5837681	-1.7E+07	12068865
305	514230.1	-70.7277	34.46896	5840134	-1.7E+07	12067458
305.2	514595.5	-70.7209	34.46371	5842587	-1.7E+07	12066049

305.4	514960.2	-70.7141	34.45846	5845040	-1.7E+07	12064640
305.6	515324	-70.7073	34.4532	5847492	-1.7E+07	12063231
305.8	515687.1	-70.7004	34.44795	5849944	-1.7E+07	12061820
306	516049.4	-70.6936	34.4427	5852395	-1.7E+07	12060409
306.2	516410.9	-70.6868	34.43744	5854846	-1.7E+07	12058998
306.4	516771.6	-70.68	34.43219	5857297	-1.7E+07	12057585
306.6	517131.6	-70.6732	34.42693	5859748	-1.7E+07	12056172
306.8	517490.7	-70.6664	34.42168	5862198	-1.7E+07	12054759
307	517849.1	-70.6596	34.41642	5864647	-1.7E+07	12053344
307.2	518206.6	-70.6528	34.41117	5867097	-1.7E+07	12051929
307.4	518563.4	-70.646	34.40591	5869546	-1.7E+07	12050513
307.6	518919.4	-70.6392	34.40065	5871994	-1.7E+07	12049097
307.8	519274.6	-70.6324	34.3954	5874443	-1.7E+07	12047679
308	519629	-70.6256	34.39014	5876891	-1.7E+07	12046261
308.2	519982.6	-70.6188	34.38488	5879338	-1.7E+07	12044843
308.4	520335.5	-70.612	34.37963	5881786	-1.7E+07	12043423
308.6	520687.5	-70.6052	34.37437	5884233	-1.7E+07	12042003
308.8	521038.8	-70.5984	34.36911	5886679	-1.7E+07	12040583
309	521389.3	-70.5916	34.36385	5889125	-1.7E+07	12039161
309.2	521739	-70.5848	34.35859	5891571	-1.7E+07	12037739
309.4	522087.9	-70.578	34.35333	5894017	-1.7E+07	12036317
309.6	522436	-70.5712	34.34807	5896462	-1.7E+07	12034893
309.8	522783.4	-70.5644	34.34281	5898907	-1.7E+07	12033469
310	523129.9	-70.5576	34.33755	5901351	-1.7E+07	12032044
310.2	523475.7	-70.5508	34.33229	5903795	-1.7E+07	12030619
310.4	523820.6	-70.5441	34.32703	5906239	-1.7E+07	12029192
310.6	524164.8	-70.5373	34.32177	5908682	-1.7E+07	12027766
310.8	524508.2	-70.5305	34.31651	5911125	-1.7E+07	12026338
311	524850.8	-70.5237	34.31125	5913568	-1.7E+07	12024910
311.2	525192.6	-70.5169	34.30599	5916010	-1.7E+07	12023481
311.4	525533.7	-70.5101	34.30072	5918452	-1.7E+07	12022051
311.6	525873.9	-70.5034	34.29546	5920894	-1.7E+07	12020621
311.8	526213.4	-70.4966	34.2902	5923335	-1.7E+07	12019190
312	526552.1	-70.4898	34.28494	5925776	-1.7E+07	12017758
312.2	526889.9	-70.483	34.27967	5928216	-1.7E+07	12016326
312.4	527227	-70.4763	34.27441	5930656	-1.7E+07	12014892
312.6	527563.4	-70.4695	34.26915	5933096	-1.7E+07	12013459
312.8	527898.9	-70.4627	34.26388	5935536	-1.7E+07	12012024
313	528233.6	-70.4559	34.25862	5937975	-1.7E+07	12010589
313.2	528567.6	-70.4492	34.25335	5940414	-1.7E+07	12009153
313.4	528900.7	-70.4424	34.24809	5942852	-1.7E+07	12007717
313.6	529233.1	-70.4356	34.24282	5945290	-1.7E+07	12006279
313.8	529564.7	-70.4289	34.23755	5947728	-1.7E+07	12004841
314	529895.5	-70.4221	34.23229	5950165	-1.7E+07	12003403
314.2	530225.5	-70.4153	34.22702	5952602	-1.7E+07	12001964
314.4	530554.8	-70.4086	34.22176	5955039	-1.7E+07	12000524
314.6	530883.2	-70.4018	34.21649	5957475	-1.7E+07	11999083

314.8	531210.9	-70.3951	34.21122	5959911	-1.7E+07	11997642
315	531537.7	-70.3883	34.20595	5962346	-1.7E+07	11996199
315.2	531863.8	-70.3815	34.20068	5964781	-1.7E+07	11994757
315.4	532189.1	-70.3748	34.19542	5967216	-1.7E+07	11993313
315.6	532513.6	-70.368	34.19015	5969651	-1.7E+07	11991869
315.8	532837.4	-70.3613	34.18488	5972085	-1.7E+07	11990424
316	533160.3	-70.3545	34.17961	5974519	-1.7E+07	11988979
316.2	533482.4	-70.3478	34.17434	5976952	-1.7E+07	11987533
316.4	533803.8	-70.341	34.16907	5979385	-1.7E+07	11986086
316.6	534124.4	-70.3343	34.1638	5981818	-1.7E+07	11984638
316.8	534444.2	-70.3275	34.15853	5984250	-1.7E+07	11983190
317	534763.2	-70.3208	34.15326	5986682	-1.7E+07	11981741
317.2	535081.4	-70.314	34.14799	5989114	-1.7E+07	11980292
317.4	535398.8	-70.3073	34.14272	5991545	-1.7E+07	11978841
317.6	535715.5	-70.3005	34.13744	5993976	-1.7E+07	11977390
317.8	536031.3	-70.2938	34.13217	5996406	-1.7E+07	11975939
318	536346.4	-70.2871	34.1269	5998837	-1.7E+07	11974486
318.2	536660.7	-70.2803	34.12163	6001266	-1.7E+07	11973033
318.4	536974.2	-70.2736	34.11635	6003696	-1.7E+07	11971580
318.6	537286.9	-70.2668	34.11108	6006125	-1.7E+07	11970125
318.8	537598.8	-70.2601	34.10581	6008554	-1.7E+07	11968670
319	537910	-70.2534	34.10053	6010982	-1.7E+07	11967214
319.2	538220.3	-70.2466	34.09526	6013410	-1.7E+07	11965758
319.4	538529.9	-70.2399	34.08999	6015838	-1.7E+07	11964301
319.6	538838.7	-70.2332	34.08471	6018265	-1.7E+07	11962843
319.8	539146.7	-70.2264	34.07944	6020692	-1.7E+07	11961384
320	539453.9	-70.2197	34.07416	6023119	-1.7E+07	11959925
320.2	539760.3	-70.213	34.06888	6025545	-1.7E+07	11958465
320.4	540065.9	-70.2063	34.06361	6027971	-1.7E+07	11957005
320.6	540370.8	-70.1995	34.05833	6030396	-1.7E+07	11955543
320.77	540629.3	-70.1938	34.05385	6032458	-1.7E+07	11954301
320.8	540674.8	-70.1928	34.05305	6032821	-1.7E+07	11954082
320.82	540705.2	-70.1921	34.05253	6033064	-1.7E+07	11953935
321	540978.1	-70.1861	34.04778	6035246	-1.7E+07	11952619
321.02	541008.4	-70.1854	34.04725	6035489	-1.7E+07	11952473
321.2	541280.6	-70.1794	34.0425	6037671	-1.7E+07	11951156
321.4	541582.3	-70.1726	34.03722	6040095	-1.7E+07	11949692
321.6	541883.2	-70.1659	34.03194	6042519	-1.7E+07	11948227
321.8	542183.3	-70.1592	34.02667	6044942	-1.7E+07	11946762
322	542482.7	-70.1525	34.02139	6047365	-1.7E+07	11945296
322.2	542781.2	-70.1458	34.01611	6049788	-1.7E+07	11943829
322.4	543079	-70.139	34.01083	6052210	-1.7E+07	11942361
322.6	543376	-70.1323	34.00555	6054632	-1.7E+07	11940893
322.8	543672.2	-70.1256	34.00027	6057053	-1.7E+07	11939425
323	543967.6	-70.1189	33.99499	6059475	-1.7E+07	11937955
323.2	544262.3	-70.1122	33.98971	6061895	-1.7E+07	11936485
323.4	544556.1	-70.1055	33.98443	6064316	-1.7E+07	11935014

323.6	544849.1	-70.0988	33.97915	6066736	-1.7E+07	11933543
323.8	545141.4	-70.0921	33.97387	6069156	-1.7E+07	11932070
324	545432.9	-70.0854	33.96858	6071575	-1.7E+07	11930598
324.2	545723.6	-70.0786	33.9633	6073994	-1.7E+07	11929124
324.4	546013.5	-70.0719	33.95802	6076413	-1.7E+07	11927650
324.6	546302.6	-70.0652	33.95274	6078831	-1.7E+07	11926175
324.8	546591	-70.0585	33.94745	6081249	-1.7E+07	11924699
325	546878.5	-70.0518	33.94217	6083667	-1.7E+07	11923223
325.2	547165.3	-70.0451	33.93689	6086084	-1.7E+07	11921746
325.4	547451.3	-70.0384	33.9316	6088501	-1.7E+07	11920268
325.6	547736.5	-70.0317	33.92632	6090917	-1.7E+07	11918790
325.8	548020.9	-70.025	33.92103	6093333	-1.7E+07	11917311
326	548304.5	-70.0183	33.91575	6095749	-1.7E+07	11915831
326.2	548587.4	-70.0117	33.91046	6098165	-1.7E+07	11914351
326.4	548869.4	-70.005	33.90518	6100580	-1.7E+07	11912870
326.6	549150.7	-69.9983	33.89989	6102994	-1.7E+07	11911388
326.8	549431.2	-69.9916	33.89461	6105409	-1.7E+07	11909906
327	549710.9	-69.9849	33.88932	6107823	-1.7E+07	11908423
327.2	549989.8	-69.9782	33.88403	6110236	-1.7E+07	11906939
327.4	550267.9	-69.9715	33.87875	6112650	-1.7E+07	11905455
327.6	550545.2	-69.9648	33.87346	6115063	-1.7E+07	11903969
327.8	550821.8	-69.9581	33.86817	6117475	-1.7E+07	11902484
328	551097.5	-69.9515	33.86288	6119887	-1.7E+07	11900997
328.2	551372.5	-69.9448	33.85759	6122299	-1.7E+07	11899510
328.4	551646.7	-69.9381	33.8523	6124710	-1.7E+07	11898022
328.6	551920.1	-69.9314	33.84702	6127121	-1.7E+07	11896534
328.8	552192.8	-69.9247	33.84173	6129532	-1.7E+07	11895044
329	552464.6	-69.9181	33.83644	6131943	-1.7E+07	11893554
329.2	552735.6	-69.9114	33.83115	6134353	-1.7E+07	11892064
329.4	553005.9	-69.9047	33.82586	6136762	-1.7E+07	11890573
329.6	553275.4	-69.898	33.82057	6139171	-1.7E+07	11889081
329.8	553544.1	-69.8913	33.81527	6141580	-1.7E+07	11887588
330	553812	-69.8847	33.80998	6143989	-1.7E+07	11886095
330.2	554079.1	-69.878	33.80469	6146397	-1.7E+07	11884601
330.4	554345.5	-69.8713	33.7994	6148805	-1.7E+07	11883106
330.6	554611	-69.8647	33.79411	6151212	-1.7E+07	11881611
330.8	554875.8	-69.858	33.78881	6153619	-1.7E+07	11880115
331	555139.8	-69.8513	33.78352	6156026	-1.7E+07	11878618
331.2	555403	-69.8447	33.77823	6158432	-1.7E+07	11877121
331.4	555665.4	-69.838	33.77293	6160838	-1.7E+07	11875623
331.6	555927	-69.8313	33.76764	6163244	-1.7E+07	11874124
331.8	556187.8	-69.8247	33.76235	6165649	-1.7E+07	11872625
332	556447.9	-69.818	33.75705	6168054	-1.7E+07	11871125
332.2	556707.2	-69.8113	33.75176	6170459	-1.7E+07	11869624
332.4	556965.7	-69.8047	33.74646	6172863	-1.7E+07	11868122
332.57	557184.7	-69.799	33.74196	6174906	-1.7E+07	11866846
332.6	557223.4	-69.798	33.74117	6175267	-1.7E+07	11866620

332.69	557339.1	-69.795	33.73878	6176348	-1.7E+07	11865944
332.77	557441.6	-69.7924	33.73666	6177309	-1.7E+07	11865343
332.8	557480.1	-69.7914	33.73587	6177670	-1.7E+07	11865118
333	557736.2	-69.7847	33.73057	6180073	-1.7E+07	11863614
333.2	557991.6	-69.7781	33.72528	6182475	-1.7E+07	11862110
333.4	558246.1	-69.7714	33.71998	6184878	-1.7E+07	11860605
333.6	558499.9	-69.7647	33.71468	6187280	-1.7E+07	11859100
333.8	558752.9	-69.7581	33.70939	6189681	-1.7E+07	11857594
334	559005.1	-69.7514	33.70409	6192083	-1.7E+07	11856087
334.2	559256.6	-69.7448	33.69879	6194483	-1.7E+07	11854579
334.4	559507.2	-69.7381	33.69349	6196884	-1.7E+07	11853071
334.6	559757.1	-69.7315	33.68819	6199284	-1.7E+07	11851562
334.8	560006.1	-69.7249	33.68289	6201684	-1.7E+07	11850053
335	560254.4	-69.7182	33.67759	6204083	-1.7E+07	11848542
335.2	560501.9	-69.7116	33.67229	6206482	-1.7E+07	11847031
335.4	560748.6	-69.7049	33.66699	6208881	-1.7E+07	11845520
335.6	560994.6	-69.6983	33.66169	6211279	-1.7E+07	11844008
335.77	561203	-69.6926	33.65719	6213318	-1.7E+07	11842722
335.8	561239.7	-69.6916	33.65639	6213677	-1.7E+07	11842495
335.82	561264.2	-69.691	33.65586	6213917	-1.7E+07	11842343
336	561484.1	-69.685	33.65109	6216075	-1.7E+07	11840981
336.02	561508.5	-69.6843	33.65056	6216315	-1.7E+07	11840830
336.2	561727.7	-69.6784	33.64579	6218472	-1.7E+07	11839467
336.4	561970.5	-69.6717	33.64049	6220869	-1.7E+07	11837952
336.6	562212.5	-69.6651	33.63518	6223266	-1.7E+07	11836436
336.8	562453.7	-69.6584	33.62988	6225662	-1.7E+07	11834920
337	562694.1	-69.6518	33.62458	6228057	-1.7E+07	11833403
337.1999	562933.8	-69.6452	33.61927	6230453	-1.7E+07	11831885
337.3999	563172.6	-69.6385	33.61397	6232848	-1.7E+07	11830367
337.5999	563410.7	-69.6319	33.60867	6235243	-1.7E+07	11828848
337.7699	563612.6	-69.6263	33.60416	6237278	-1.7E+07	11827556
337.7999	563648.1	-69.6253	33.60336	6237637	-1.7E+07	11827328
337.9999	563884.6	-69.6187	33.59806	6240031	-1.7E+07	11825808
338.1999	564120.4	-69.612	33.59275	6242425	-1.7E+07	11824287
338.3999	564355.3	-69.6054	33.58745	6244818	-1.7E+07	11822765
338.5999	564589.5	-69.5988	33.58214	6247211	-1.7E+07	11821242
338.7999	564822.9	-69.5921	33.57684	6249603	-1.7E+07	11819719
338.9999	565055.5	-69.5855	33.57153	6251995	-1.7E+07	11818196
339.1999	565287.3	-69.5789	33.56622	6254387	-1.7E+07	11816671
339.3999	565518.4	-69.5723	33.56092	6256779	-1.7E+07	11815146
339.5999	565748.6	-69.5657	33.55561	6259170	-1.7E+07	11813620
339.7999	565978.1	-69.559	33.5503	6261560	-1.7E+07	11812094
339.9999	566206.8	-69.5524	33.54499	6263950	-1.7E+07	11810567
340.1999	566434.6	-69.5458	33.53969	6266340	-1.7E+07	11809039
340.3999	566661.8	-69.5392	33.53438	6268730	-1.7E+07	11807510
340.5999	566888.1	-69.5326	33.52907	6271119	-1.7E+07	11805981
340.7999	567113.6	-69.526	33.52376	6273508	-1.7E+07	11804452

340.9999	567338.4	-69.5193	33.51845	6275896	-1.7E+07	11802921
341.1999	567562.3	-69.5127	33.51314	6278284	-1.7E+07	11801390
341.3999	567785.5	-69.5061	33.50783	6280672	-1.7E+07	11799858
341.5999	568007.9	-69.4995	33.50252	6283059	-1.7E+07	11798326
341.7716	568198.2	-69.4938	33.49796	6285108	-1.7E+07	11797010
341.7749	568201.9	-69.4937	33.49787	6285148	-1.7E+07	11796984
341.7999	568229.6	-69.4929	33.49721	6285446	-1.7E+07	11796792
341.9999	568450.5	-69.4863	33.49189	6287833	-1.7E+07	11795258
342.1999	568671.1	-69.4797	33.48658	6290221	-1.7E+07	11793723
342.3999	568891.5	-69.4731	33.48126	6292609	-1.7E+07	11792187
342.5999	569111.5	-69.4665	33.47594	6294998	-1.7E+07	11790650
342.7999	569331.2	-69.4598	33.47062	6297388	-1.7E+07	11789112
342.9999	569550.5	-69.4532	33.4653	6299779	-1.7E+07	11787572
343.1999	569769.6	-69.4466	33.45997	6302170	-1.7E+07	11786032
343.3999	569988.3	-69.44	33.45464	6304562	-1.7E+07	11784490
343.5999	570206.8	-69.4334	33.44931	6306955	-1.7E+07	11782948
343.7999	570424.9	-69.4267	33.44397	6309348	-1.7E+07	11781404
343.9999	570642.8	-69.4201	33.43864	6311742	-1.7E+07	11779859
344.1999	570860.3	-69.4135	33.4333	6314137	-1.7E+07	11778313
344.3999	571077.7	-69.4069	33.42795	6316533	-1.7E+07	11776765
344.5999	571294.7	-69.4002	33.42261	6318930	-1.7E+07	11775217
344.7999	571511.5	-69.3936	33.41726	6321327	-1.7E+07	11773667
344.9999	571728	-69.387	33.41191	6323725	-1.7E+07	11772117
345.1999	571944.3	-69.3803	33.40655	6326124	-1.7E+07	11770565
345.3999	572160.4	-69.3737	33.4012	6328524	-1.7E+07	11769012
345.5999	572376.2	-69.367	33.39584	6330925	-1.7E+07	11767458
345.7999	572591.8	-69.3604	33.39048	6333327	-1.7E+07	11765902
345.9999	572807.2	-69.3538	33.38511	6335729	-1.7E+07	11764346
346.1999	573022.3	-69.3471	33.37974	6338132	-1.7E+07	11762788
346.3999	573237.2	-69.3405	33.37437	6340536	-1.7E+07	11761229
346.5999	573451.9	-69.3338	33.369	6342941	-1.7E+07	11759669
346.7999	573666.4	-69.3272	33.36362	6345347	-1.7E+07	11758108
346.9999	573880.7	-69.3205	33.35824	6347754	-1.7E+07	11756546
347.1999	574094.7	-69.3138	33.35285	6350162	-1.7E+07	11754982
347.3999	574308.5	-69.3072	33.34747	6352570	-1.7E+07	11753418
347.5999	574522.2	-69.3005	33.34208	6354980	-1.7E+07	11751852
347.7999	574735.6	-69.2939	33.33669	6357391	-1.7E+07	11750284
347.9999	574948.8	-69.2872	33.33129	6359802	-1.7E+07	11748716
348.1999	575161.9	-69.2805	33.32589	6362215	-1.7E+07	11747146
348.3999	575374.7	-69.2739	33.32049	6364628	-1.7E+07	11745576
348.5999	575587.4	-69.2672	33.31509	6367043	-1.7E+07	11744004
348.7999	575799.9	-69.2605	33.30968	6369458	-1.7E+07	11742430
348.9999	576012.2	-69.2538	33.30427	6371875	-1.7E+07	11740856
349.1999	576224.3	-69.2472	33.29885	6374292	-1.7E+07	11739280
349.3999	576436.3	-69.2405	33.29343	6376711	-1.7E+07	11737703
349.5999	576648.1	-69.2338	33.28801	6379131	-1.7E+07	11736124
349.7999	576859.7	-69.2271	33.28259	6381552	-1.7E+07	11734545

349.9999	577071.2	-69.2204	33.27716	6383974	-1.7E+07	11732964
350.1999	577282.6	-69.2137	33.27173	6386397	-1.7E+07	11731382
350.3999	577493.8	-69.207	33.26629	6388821	-1.7E+07	11729798
350.5999	577704.8	-69.2003	33.26085	6391246	-1.7E+07	11728213
350.7999	577915.8	-69.1936	33.25541	6393672	-1.7E+07	11726627
350.9999	578126.6	-69.1869	33.24997	6396100	-1.7E+07	11725040
351.1999	578337.3	-69.1802	33.24452	6398529	-1.7E+07	11723451
351.3999	578547.8	-69.1735	33.23906	6400959	-1.7E+07	11721861
351.5999	578758.2	-69.1668	33.23361	6403390	-1.7E+07	11720270
351.7999	578968.5	-69.1601	33.22815	6405822	-1.7E+07	11718677
351.9999	579178.8	-69.1534	33.22268	6408256	-1.7E+07	11717083
352.1999	579388.9	-69.1467	33.21722	6410690	-1.7E+07	11715488
352.3999	579598.9	-69.1399	33.21174	6413126	-1.7E+07	11713891
352.5999	579808.8	-69.1332	33.20627	6415564	-1.7E+07	11712293
352.7999	580018.6	-69.1265	33.20079	6418002	-1.7E+07	11710693
352.9999	580228.3	-69.1198	33.19531	6420442	-1.7E+07	11709092
353.1999	580437.9	-69.113	33.18982	6422883	-1.7E+07	11707490
353.3999	580647.4	-69.1063	33.18433	6425326	-1.7E+07	11705886
353.5999	580856.9	-69.0995	33.17884	6427770	-1.7E+07	11704281
353.7999	581066.3	-69.0928	33.17334	6430215	-1.7E+07	11702674
353.9999	581275.6	-69.0861	33.16784	6432661	-1.7E+07	11701066
354.1999	581484.9	-69.0793	33.16233	6435109	-1.7E+07	11699457
354.3999	581694.1	-69.0726	33.15682	6437558	-1.7E+07	11697846
354.5999	581903.2	-69.0658	33.15131	6440009	-1.7E+07	11696234
354.7999	582112.2	-69.059	33.14579	6442461	-1.7E+07	11694620
354.9999	582321.2	-69.0523	33.14027	6444915	-1.7E+07	11693005
355.1999	582530.2	-69.0455	33.13474	6447369	-1.7E+07	11691388
355.3999	582739.1	-69.0387	33.12921	6449826	-1.7E+07	11689770
355.5999	582947.9	-69.032	33.12368	6452283	-1.7E+07	11688151
355.7999	583156.7	-69.0252	33.11814	6454742	-1.7E+07	11686530
355.9999	583365.3	-69.0184	33.11259	6457203	-1.7E+07	11684907
356.1999	583574	-69.0116	33.10705	6459665	-1.7E+07	11683283
356.3999	583782.5	-69.0048	33.1015	6462128	-1.7E+07	11681658
356.5999	583991	-68.998	33.09594	6464593	-1.7E+07	11680031
356.7999	584199.4	-68.9913	33.09038	6467059	-1.7E+07	11678403
356.9999	584407.7	-68.9845	33.08482	6469526	-1.7E+07	11676773
357.1999	584616	-68.9777	33.07925	6471995	-1.7E+07	11675142
357.3999	584824.3	-68.9709	33.07368	6474465	-1.7E+07	11673509
357.5999	585032.4	-68.964	33.06811	6476937	-1.7E+07	11671875
357.7999	585240.5	-68.9572	33.06253	6479410	-1.7E+07	11670239
357.9999	585448.6	-68.9504	33.05694	6481885	-1.7E+07	11668602
358.1999	585656.6	-68.9436	33.05136	6484361	-1.7E+07	11666964
358.3999	585864.5	-68.9368	33.04576	6486838	-1.7E+07	11665324
358.5999	586072.4	-68.93	33.04017	6489317	-1.7E+07	11663682
358.7999	586280.2	-68.9231	33.03457	6491798	-1.7E+07	11662039
358.9999	586487.9	-68.9163	33.02896	6494280	-1.7E+07	11660394
359.1999	586695.6	-68.9095	33.02335	6496763	-1.7E+07	11658748

359.3999	586903.3	-68.9026	33.01774	6499248	-1.7E+07	11657101
359.5999	587110.8	-68.8958	33.01212	6501734	-1.7E+07	11655452
359.7999	587318.3	-68.8889	33.0065	6504222	-1.7E+07	11653801
359.9999	587525.8	-68.8821	33.00087	6506711	-1.7E+07	11652149
360.1999	587733.1	-68.8752	32.99524	6509202	-1.7E+07	11650495
360.3999	587940.4	-68.8684	32.98961	6511694	-1.7E+07	11648840
360.5999	588147.7	-68.8615	32.98397	6514188	-1.7E+07	11647184
360.7999	588354.9	-68.8547	32.97833	6516683	-1.7E+07	11645525
360.9999	588562	-68.8478	32.97268	6519180	-1.7E+07	11643866
361.1999	588769.1	-68.8409	32.96703	6521678	-1.7E+07	11642204
361.3999	588976.1	-68.8341	32.96137	6524178	-1.7E+07	11640542
361.5999	589183	-68.8272	32.95571	6526679	-1.7E+07	11638877
361.7999	589389.9	-68.8203	32.95005	6529181	-1.7E+07	11637211
361.9999	589596.8	-68.8134	32.94438	6531686	-1.7E+07	11635544
362.1999	589803.6	-68.8065	32.93871	6534191	-1.7E+07	11633875
362.3999	590010.3	-68.7996	32.93303	6536699	-1.7E+07	11632205
362.5999	590217	-68.7927	32.92735	6539207	-1.7E+07	11630533
362.7999	590423.6	-68.7858	32.92166	6541718	-1.7E+07	11628859
362.9999	590630.2	-68.7789	32.91597	6544230	-1.7E+07	11627184
363.1999	590836.7	-68.772	32.91027	6546743	-1.7E+07	11625507
363.3999	591043.2	-68.7651	32.90457	6549258	-1.7E+07	11623829
363.5999	591249.6	-68.7582	32.89887	6551775	-1.7E+07	11622149
363.7999	591456	-68.7513	32.89316	6554293	-1.7E+07	11620467
363.9999	591662.3	-68.7444	32.88745	6556813	-1.7E+07	11618784
364.1999	591868.6	-68.7375	32.88173	6559334	-1.7E+07	11617099
364.3999	592074.9	-68.7305	32.87601	6561857	-1.7E+07	11615413
364.5999	592281.1	-68.7236	32.87028	6564382	-1.7E+07	11613725
364.7999	592487.3	-68.7167	32.86455	6566908	-1.7E+07	11612035
364.9999	592693.4	-68.7097	32.85881	6569436	-1.7E+07	11610344
365.1999	592899.5	-68.7028	32.85307	6571965	-1.7E+07	11608651
365.3999	593105.6	-68.6958	32.84732	6574497	-1.7E+07	11606957
365.5999	593311.6	-68.6889	32.84157	6577029	-1.7E+07	11605261
365.7999	593517.5	-68.6819	32.83582	6579564	-1.7E+07	11603563
365.9999	593723.5	-68.675	32.83006	6582100	-1.7E+07	11601864
366.1999	593929.4	-68.668	32.82429	6584637	-1.7E+07	11600162
366.3999	594135.2	-68.661	32.81852	6587177	-1.7E+07	11598460
366.5999	594341.1	-68.654	32.81275	6589718	-1.7E+07	11596755
366.7999	594546.9	-68.6471	32.80697	6592261	-1.7E+07	11595049
366.9999	594752.6	-68.6401	32.80119	6594805	-1.7E+07	11593342
367.1999	594958.3	-68.6331	32.7954	6597351	-1.7E+07	11591632
367.3999	595164	-68.6261	32.78961	6599899	-1.7E+07	11589921
367.5999	595369.7	-68.6191	32.78381	6602449	-1.7E+07	11588208
367.7999	595575.3	-68.6121	32.77801	6605000	-1.7E+07	11586494
367.9999	595780.9	-68.6051	32.7722	6607553	-1.7E+07	11584778
368.1999	595986.5	-68.5981	32.76639	6610108	-1.7E+07	11583060
368.3999	596192	-68.5911	32.76057	6612664	-1.7E+07	11581340
368.5999	596397.6	-68.5841	32.75475	6615223	-1.7E+07	11579619

368.7999	596603	-68.5771	32.74892	6617783	-1.7E+07	11577896
368.9999	596808.5	-68.5701	32.74309	6620344	-1.7E+07	11576171
369.1999	597014	-68.563	32.73725	6622908	-1.7E+07	11574445
369.3999	597219.4	-68.556	32.73141	6625473	-1.7E+07	11572716
369.5999	597424.8	-68.549	32.72556	6628040	-1.7E+07	11570986
369.7999	597630.2	-68.5419	32.71971	6630609	-1.7E+07	11569255
369.9999	597835.5	-68.5349	32.71385	6633180	-1.7E+07	11567521
370.1999	598040.9	-68.5278	32.70799	6635753	-1.7E+07	11565786
370.3999	598246.2	-68.5208	32.70212	6638327	-1.7E+07	11564049
370.5999	598451.5	-68.5137	32.69625	6640903	-1.7E+07	11562310
370.7999	598656.8	-68.5067	32.69037	6643481	-1.7E+07	11560569
370.9999	598862	-68.4996	32.68449	6646061	-1.7E+07	11558827
371.1999	599067.3	-68.4925	32.6786	6648643	-1.7E+07	11557083
371.3999	599272.5	-68.4854	32.6727	6651226	-1.7E+07	11555337
371.5999	599477.8	-68.4784	32.6668	6653812	-1.7E+07	11553589
371.7999	599683	-68.4713	32.6609	6656399	-1.7E+07	11551839
371.9999	599888.2	-68.4642	32.65499	6658988	-1.7E+07	11550088
372.1999	600093.4	-68.4571	32.64908	6661579	-1.7E+07	11548335
372.3999	600298.5	-68.45	32.64316	6664172	-1.7E+07	11546579
372.5999	600503.7	-68.4429	32.63723	6666767	-1.7E+07	11544822
372.7999	600708.8	-68.4358	32.6313	6669364	-1.7E+07	11543064
372.9999	600914	-68.4287	32.62537	6671963	-1.7E+07	11541303
373.1999	601119.1	-68.4216	32.61943	6674563	-1.7E+07	11539540
373.3999	601324.2	-68.4144	32.61348	6677166	-1.7E+07	11537776
373.5999	601529.3	-68.4073	32.60753	6679771	-1.7E+07	11536010
373.7999	601734.4	-68.4002	32.60157	6682377	-1.7E+07	11534242
373.9999	601939.5	-68.393	32.59561	6684985	-1.7E+07	11532472
374.1999	602144.6	-68.3859	32.58964	6687596	-1.7E+07	11530700
374.3999	602349.6	-68.3788	32.58366	6690208	-1.7E+07	11528926
374.5999	602554.7	-68.3716	32.57768	6692823	-1.7E+07	11527150
374.7999	602759.7	-68.3644	32.5717	6695439	-1.7E+07	11525373
374.9999	602964.8	-68.3573	32.56571	6698057	-1.7E+07	11523593
375.1999	603169.8	-68.3501	32.55971	6700678	-1.7E+07	11521812
375.3999	603374.8	-68.343	32.55371	6703300	-1.7E+07	11520028
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375.7999	603784.8	-68.3286	32.54169	6708551	-1.7E+07	11516456
375.9999	603989.9	-68.3214	32.53567	6711179	-1.7E+07	11514666
376.1999	604194.8	-68.3142	32.52965	6713810	-1.7E+07	11512875
376.3999	604399.8	-68.307	32.52362	6716442	-1.7E+07	11511082
376.5999	604604.8	-68.2998	32.51758	6719077	-1.7E+07	11509287
376.7999	604809.8	-68.2926	32.51154	6721713	-1.7E+07	11507490
376.9999	605014.8	-68.2854	32.5055	6724352	-1.7E+07	11505691
377.1999	605219.7	-68.2782	32.49944	6726993	-1.7E+07	11503890
377.3999	605424.7	-68.271	32.49338	6729636	-1.7E+07	11502087
377.5999	605629.6	-68.2638	32.48732	6732281	-1.7E+07	11500282
377.7999	605834.5	-68.2565	32.48125	6734928	-1.7E+07	11498475
377.9999	606039.5	-68.2493	32.47517	6737577	-1.7E+07	11496666

378.1999	606244.4	-68.2421	32.46909	6740228	-1.7E+07	11494854
378.3999	606449.3	-68.2348	32.463	6742882	-1.7E+07	11493041
378.5999	606654.2	-68.2276	32.45691	6745537	-1.7E+07	11491226
378.7999	606859.1	-68.2203	32.45081	6748195	-1.7E+07	11489409
378.9999	607064	-68.213	32.4447	6750855	-1.7E+07	11487590
379.1999	607268.9	-68.2058	32.43859	6753517	-1.7E+07	11485768
379.3999	607473.8	-68.1985	32.43247	6756181	-1.7E+07	11483945
379.5999	607678.7	-68.1912	32.42635	6758847	-1.7E+07	11482120
379.7999	607883.6	-68.1839	32.42022	6761516	-1.7E+07	11480292
379.9999	608088.5	-68.1767	32.41409	6764186	-1.7E+07	11478462
380.1999	608293.3	-68.1694	32.40794	6766859	-1.7E+07	11476631
380.3999	608498.2	-68.1621	32.4018	6769534	-1.7E+07	11474797
380.5999	608703	-68.1548	32.39564	6772211	-1.7E+07	11472961
380.7999	608907.9	-68.1474	32.38948	6774891	-1.7E+07	11471123
380.9999	609112.7	-68.1401	32.38332	6777573	-1.7E+07	11469283
381.1999	609317.5	-68.1328	32.37714	6780257	-1.7E+07	11467441
381.3999	609522.4	-68.1255	32.37096	6782943	-1.7E+07	11465596
381.5999	609727.2	-68.1182	32.36478	6785631	-1.7E+07	11463750
381.7999	609932	-68.1108	32.35859	6788322	-1.7E+07	11461901
381.9999	610136.8	-68.1035	32.35239	6791015	-1.7E+07	11460051
382.1999	610341.6	-68.0961	32.34619	6793710	-1.7E+07	11458198
382.3999	610546.4	-68.0888	32.33998	6796407	-1.7E+07	11456343
382.5999	610751.1	-68.0814	32.33376	6799107	-1.7E+07	11454485
382.7999	610955.9	-68.074	32.32754	6801809	-1.7E+07	11452626
382.9999	611160.7	-68.0667	32.32131	6804513	-1.7E+07	11450764
383.1999	611365.4	-68.0593	32.31508	6807220	-1.7E+07	11448900
383.3999	611570.1	-68.0519	32.30883	6809929	-1.7E+07	11447034
383.5999	611774.9	-68.0445	32.30259	6812640	-1.7E+07	11445166
383.7999	611979.6	-68.0371	32.29633	6815353	-1.7E+07	11443296
383.9999	612184.3	-68.0297	32.29007	6818069	-1.7E+07	11441423
384.1999	612388.9	-68.0223	32.2838	6820787	-1.7E+07	11439548
384.3999	612593.6	-68.0149	32.27753	6823508	-1.7E+07	11437671
384.5999	612798.3	-68.0075	32.27125	6826231	-1.7E+07	11435792
384.7999	613002.9	-68.0001	32.26496	6828956	-1.7E+07	11433910
384.9999	613207.5	-67.9927	32.25867	6831684	-1.7E+07	11432026
385.1999	613412.1	-67.9852	32.25237	6834414	-1.7E+07	11430140
385.3999	613616.7	-67.9778	32.24606	6837146	-1.7E+07	11428252
385.5999	613821.2	-67.9703	32.23975	6839881	-1.7E+07	11426361
385.7999	614025.7	-67.9629	32.23343	6842618	-1.7E+07	11424468
385.9999	614230.2	-67.9554	32.22711	6845357	-1.7E+07	11422573
386.1999	614434.7	-67.948	32.22077	6848099	-1.7E+07	11420676
386.3999	614639.2	-67.9405	32.21443	6850843	-1.7E+07	11418776
386.5999	614843.6	-67.933	32.20809	6853590	-1.7E+07	11416874
386.7999	615048.1	-67.9255	32.20173	6856339	-1.7E+07	11414969
386.9999	615252.4	-67.918	32.19537	6859091	-1.7E+07	11413062
387.1999	615456.8	-67.9105	32.18901	6861845	-1.7E+07	11411153
387.3999	615661.1	-67.903	32.18263	6864602	-1.7E+07	11409242

387.5999	615865.4	-67.8955	32.17625	6867361	-1.7E+07	11407328
387.7999	616069.7	-67.888	32.16987	6870122	-1.7E+07	11405412
387.9999	616274	-67.8805	32.16347	6872886	-1.7E+07	11403493
388.1999	616478.2	-67.873	32.15707	6875652	-1.7E+07	11401572
388.3999	616682.3	-67.8655	32.15067	6878421	-1.7E+07	11399649
388.5999	616886.5	-67.8579	32.14425	6881192	-1.7E+07	11397724
388.7999	617090.6	-67.8504	32.13783	6883966	-1.7E+07	11395796
388.9999	617294.7	-67.8428	32.1314	6886743	-1.7E+07	11393865
389.1999	617498.7	-67.8353	32.12497	6889522	-1.7E+07	11391932
389.3999	617702.7	-67.8277	32.11852	6892303	-1.7E+07	11389997
389.5999	617906.6	-67.8201	32.11208	6895087	-1.7E+07	11388059
389.7999	618110.5	-67.8126	32.10562	6897873	-1.7E+07	11386119
389.9999	618314.4	-67.805	32.09916	6900662	-1.7E+07	11384177
390.1999	618518.2	-67.7974	32.09269	6903454	-1.7E+07	11382232
390.3999	618722	-67.7898	32.08621	6906248	-1.7E+07	11380284
390.5999	618925.7	-67.7822	32.07972	6909044	-1.7E+07	11378334
390.7999	619129.4	-67.7746	32.07323	6911843	-1.7E+07	11376382
390.9999	619333	-67.767	32.06673	6914645	-1.7E+07	11374427
391.1999	619536.6	-67.7594	32.06023	6917450	-1.7E+07	11372470
391.3999	619740.1	-67.7517	32.05372	6920256	-1.7E+07	11370510
391.5999	619943.5	-67.7441	32.0472	6923066	-1.7E+07	11368547
391.7999	620146.9	-67.7365	32.04067	6925878	-1.7E+07	11366583
391.9999	620350.3	-67.7288	32.03413	6928693	-1.7E+07	11364615
392.1999	620553.5	-67.7212	32.02759	6931510	-1.7E+07	11362645
392.3999	620756.7	-67.7135	32.02104	6934330	-1.7E+07	11360673
392.5999	620959.9	-67.7059	32.01449	6937153	-1.7E+07	11358698
392.7999	621163	-67.6982	32.00792	6939978	-1.7E+07	11356721
392.9999	621366	-67.6905	32.00135	6942806	-1.7E+07	11354741
393.1999	621568.9	-67.6828	31.99477	6945636	-1.7E+07	11352758
393.3999	621771.8	-67.6751	31.98819	6948469	-1.7E+07	11350773
393.5999	621974.6	-67.6674	31.9816	6951305	-1.7E+07	11348785
393.7999	622177.4	-67.6597	31.97499	6954143	-1.7E+07	11346795
393.9999	622380	-67.652	31.96839	6956984	-1.7E+07	11344802
394.1999	622582.6	-67.6443	31.96177	6959828	-1.7E+07	11342807
394.3999	622785.1	-67.6366	31.95515	6962675	-1.7E+07	11340809
394.5999	622987.5	-67.6288	31.94852	6965524	-1.7E+07	11338808
394.7999	623189.9	-67.6211	31.94188	6968376	-1.7E+07	11336805
394.9999	623392.1	-67.6134	31.93524	6971230	-1.7E+07	11334799
395.1999	623594.3	-67.6056	31.92858	6974087	-1.7E+07	11332791
395.3999	623796.4	-67.5979	31.92192	6976947	-1.7E+07	11330779
395.5999	623998.4	-67.5901	31.91526	6979810	-1.7E+07	11328766
395.7999	624200.3	-67.5823	31.90858	6982675	-1.7E+07	11326749
395.9999	624402.1	-67.5745	31.9019	6985543	-1.7E+07	11324730
396.1999	624603.8	-67.5668	31.89521	6988414	-1.7E+07	11322708
396.3999	624805.4	-67.559	31.88851	6991288	-1.7E+07	11320684
396.5999	625006.9	-67.5512	31.8818	6994164	-1.7E+07	11318657
396.7999	625208.3	-67.5434	31.87509	6997043	-1.7E+07	11316627

396.9999	625409.6	-67.5355	31.86837	6999925	-1.7E+07	11314594
397.1999	625610.8	-67.5277	31.86164	7002810	-1.7E+07	11312559
397.3999	625811.8	-67.5199	31.8549	7005697	-1.7E+07	11310521
397.5999	626012.8	-67.5121	31.84816	7008587	-1.7E+07	11308481
397.7999	626213.7	-67.5042	31.84141	7011480	-1.7E+07	11306437
397.9999	626414.4	-67.4964	31.83465	7014376	-1.7E+07	11304391
398.1999	626615.1	-67.4885	31.82788	7017274	-1.7E+07	11302342
398.3999	626815.6	-67.4807	31.8211	7020176	-1.7E+07	11300291
398.5999	627016	-67.4728	31.81432	7023080	-1.7E+07	11298237
398.7999	627216.2	-67.4649	31.80753	7025987	-1.7E+07	11296180
398.9999	627416.4	-67.457	31.80073	7028896	-1.7E+07	11294120
399.1999	627616.4	-67.4491	31.79392	7031809	-1.7E+07	11292057
399.3999	627816.3	-67.4412	31.78711	7034724	-1.7E+07	11289992
399.5999	628016.1	-67.4333	31.78028	7037643	-1.7E+07	11287923
399.7999	628215.7	-67.4254	31.77345	7040564	-1.7E+07	11285853
399.9999	628415.2	-67.4175	31.76661	7043488	-1.7E+07	11283779
400.1999	628614.6	-67.4096	31.75977	7046415	-1.7E+07	11281702
400.3999	628813.8	-67.4016	31.75291	7049344	-1.7E+07	11279623
400.5999	629012.9	-67.3937	31.74605	7052277	-1.7E+07	11277540
400.7999	629211.8	-67.3858	31.73918	7055212	-1.7E+07	11275455
400.9999	629410.6	-67.3778	31.7323	7058150	-1.7E+07	11273367
401.1999	629609.3	-67.3698	31.72541	7061092	-1.7E+07	11271277
401.3999	629807.7	-67.3619	31.71852	7064036	-1.7E+07	11269183
401.5999	630006.1	-67.3539	31.71162	7066983	-1.7E+07	11267086
401.7999	630204.3	-67.3459	31.70471	7069932	-1.7E+07	11264987
401.9999	630402.3	-67.3379	31.69779	7072885	-1.7E+07	11262885
402.1999	630600.1	-67.3299	31.69086	7075841	-1.7E+07	11260779
402.3999	630797.8	-67.3219	31.68392	7078799	-1.7E+07	11258671
402.5999	630995.3	-67.3139	31.67698	7081761	-1.7E+07	11256560
402.7999	631192.7	-67.3059	31.67003	7084725	-1.7E+07	11254447
402.9999	631389.8	-67.2978	31.66307	7087693	-1.7E+07	11252330
403.1999	631586.8	-67.2898	31.6561	7090663	-1.7E+07	11250210
403.3999	631783.7	-67.2818	31.64912	7093636	-1.7E+07	11248087
403.5999	631980.3	-67.2737	31.64214	7096612	-1.7E+07	11245962
403.7999	632176.8	-67.2656	31.63514	7099591	-1.7E+07	11243833
403.9999	632373	-67.2576	31.62814	7102573	-1.7E+07	11241702
404.1999	632569.1	-67.2495	31.62113	7105559	-1.7E+07	11239567
404.3999	632765	-67.2414	31.61411	7108547	-1.7E+07	11237430
404.5999	632960.7	-67.2333	31.60709	7111538	-1.7E+07	11235289
404.7999	633156.2	-67.2252	31.60005	7114531	-1.7E+07	11233146
404.9999	633351.5	-67.2171	31.59301	7117528	-1.7E+07	11230999
405.1999	633546.6	-67.209	31.58596	7120528	-1.7E+07	11228850
405.3999	633741.5	-67.2009	31.57889	7123531	-1.7E+07	11226697
405.5999	633936.2	-67.1928	31.57183	7126537	-1.7E+07	11224542
405.7999	634130.7	-67.1846	31.56475	7129546	-1.7E+07	11222383
405.9999	634324.9	-67.1765	31.55766	7132558	-1.7E+07	11220222
406.1999	634519	-67.1683	31.55057	7135573	-1.7E+07	11218057

406.3999	634712.8	-67.1602	31.54347	7138591	-1.7E+07	11215889
406.5999	634906.4	-67.152	31.53635	7141612	-1.7E+07	11213719
406.7999	635099.8	-67.1439	31.52923	7144636	-1.7E+07	11211545
406.9999	635292.9	-67.1357	31.52211	7147663	-1.7E+07	11209368
407.1999	635485.9	-67.1275	31.51497	7150693	-1.7E+07	11207188
407.3999	635678.6	-67.1193	31.50782	7153726	-1.7E+07	11205005
407.5999	635871	-67.1111	31.50067	7156763	-1.7E+07	11202819
407.7999	636063.3	-67.1029	31.4935	7159802	-1.7E+07	11200630
407.9999	636255.3	-67.0946	31.48633	7162844	-1.7E+07	11198438
408.1999	636447	-67.0864	31.47915	7165889	-1.7E+07	11196242
408.3999	636638.5	-67.0782	31.47196	7168938	-1.7E+07	11194044
408.5999	636829.7	-67.0699	31.46477	7171989	-1.7E+07	11191842
408.7999	637020.7	-67.0617	31.45756	7175044	-1.7E+07	11189637
408.9999	637211.5	-67.0534	31.45034	7178101	-1.7E+07	11187429
409.1999	637401.9	-67.0452	31.44312	7181162	-1.7E+07	11185218
409.3999	637592.1	-67.0369	31.43589	7184226	-1.7E+07	11183004
409.5999	637782.1	-67.0286	31.42865	7187293	-1.7E+07	11180787
409.7999	637971.8	-67.0203	31.42139	7190363	-1.7E+07	11178566
409.9999	638161.2	-67.012	31.41414	7193436	-1.7E+07	11176342
410.1999	638350.3	-67.0037	31.40687	7196512	-1.7E+07	11174115
410.3999	638539.1	-66.9954	31.39959	7199591	-1.7E+07	11171885
410.5999	638727.7	-66.9871	31.39231	7202673	-1.7E+07	11169652
410.7999	638916	-66.9787	31.38501	7205759	-1.7E+07	11167415
410.9999	639104	-66.9704	31.37771	7208847	-1.7E+07	11165175
411.1999	639291.7	-66.9621	31.37039	7211939	-1.7E+07	11162932
411.3999	639479.1	-66.9537	31.36307	7215034	-1.7E+07	11160686
411.5999	639666.2	-66.9453	31.35574	7218132	-1.7E+07	11158437
411.7999	639853	-66.937	31.3484	7221233	-1.7E+07	11156184
411.9999	640039.5	-66.9286	31.34106	7224337	-1.7E+07	11153928
412.1999	640225.6	-66.9202	31.3337	7227444	-1.7E+07	11151669
412.3999	640411.5	-66.9118	31.32633	7230555	-1.7E+07	11149406
412.5999	640597.1	-66.9034	31.31896	7233668	-1.7E+07	11147141
412.7999	640782.3	-66.895	31.31157	7236785	-1.7E+07	11144872
412.9999	640967.2	-66.8866	31.30418	7239905	-1.7E+07	11142599
413.1999	641151.8	-66.8781	31.29678	7243027	-1.7E+07	11140324
413.3999	641336	-66.8697	31.28937	7246154	-1.7E+07	11138045
413.5999	641519.9	-66.8613	31.28195	7249283	-1.7E+07	11135763
413.7999	641703.5	-66.8528	31.27452	7252415	-1.7E+07	11133478
413.9999	641886.7	-66.8444	31.26708	7255551	-1.7E+07	11131189
414.1999	642069.6	-66.8359	31.25963	7258689	-1.7E+07	11128897
414.3999	642252.1	-66.8274	31.25218	7261831	-1.7E+07	11126601
414.5999	642434.3	-66.8189	31.24471	7264976	-1.7E+07	11124303
414.7999	642616.1	-66.8104	31.23724	7268124	-1.7E+07	11122001
414.9999	642797.6	-66.8019	31.22975	7271275	-1.7E+07	11119695
415.1999	642978.7	-66.7934	31.22226	7274430	-1.7E+07	11117386
415.3999	643159.4	-66.7849	31.21476	7277587	-1.7E+07	11115074
415.5999	643339.8	-66.7764	31.20725	7280748	-1.7E+07	11112759

415.7999	643519.8	-66.7679	31.19973	7283912	-1.7E+07	11110440
415.9999	643699.4	-66.7593	31.1922	7287079	-1.7E+07	11108118
416.1999	643878.6	-66.7508	31.18466	7290249	-1.7E+07	11105793
416.3999	644057.5	-66.7422	31.17711	7293423	-1.7E+07	11103464
416.5999	644235.9	-66.7336	31.16955	7296599	-1.7E+07	11101131
416.7999	644414	-66.7251	31.16199	7299779	-1.7E+07	11098796
416.9999	644591.7	-66.7165	31.15441	7302962	-1.7E+07	11096457
417.1999	644768.9	-66.7079	31.14683	7306148	-1.7E+07	11094114
417.3999	644945.8	-66.6993	31.13923	7309337	-1.7E+07	11091768
417.5999	645122.3	-66.6907	31.13163	7312530	-1.7E+07	11089419
417.7999	645298.3	-66.6821	31.12402	7315725	-1.7E+07	11087066
417.9999	645473.9	-66.6735	31.1164	7318924	-1.7E+07	11084710
418.1999	645649.1	-66.6648	31.10877	7322126	-1.7E+07	11082351
418.3999	645823.9	-66.6562	31.10113	7325331	-1.7E+07	11079988
418.5999	645998.3	-66.6475	31.09348	7328539	-1.7E+07	11077621
418.7999	646172.2	-66.6389	31.08582	7331751	-1.7E+07	11075251
418.9999	646345.7	-66.6302	31.07815	7334965	-1.7E+07	11072878
419.1999	646518.8	-66.6215	31.07047	7338183	-1.7E+07	11070501
419.3999	646691.4	-66.6129	31.06279	7341404	-1.7E+07	11068121
419.5999	646863.5	-66.6042	31.05509	7344628	-1.7E+07	11065738
419.7999	647035.2	-66.5955	31.04739	7347855	-1.7E+07	11063351
419.9999	647206.5	-66.5868	31.03967	7351086	-1.7E+07	11060960
420.1999	647377.3	-66.5781	31.03195	7354319	-1.7E+07	11058566
420.3999	647547.6	-66.5693	31.02421	7357556	-1.7E+07	11056168
420.5999	647717.5	-66.5606	31.01647	7360796	-1.7E+07	11053767
420.7999	647886.9	-66.5519	31.00872	7364039	-1.7E+07	11051363
420.9999	648055.8	-66.5431	31.00096	7367285	-1.7E+07	11048955
421.1999	648224.2	-66.5344	30.99319	7370534	-1.7E+07	11046543
421.3999	648392.2	-66.5256	30.98541	7373787	-1.7E+07	11044128
421.5999	648559.6	-66.5168	30.97762	7377043	-1.7E+07	11041710
421.7999	648726.6	-66.5081	30.96982	7380301	-1.7E+07	11039288
421.9999	648893.1	-66.4993	30.96201	7383563	-1.7E+07	11036862
422.1999	649059.1	-66.4905	30.95419	7386829	-1.7E+07	11034433
422.3999	649224.6	-66.4817	30.94637	7390097	-1.7E+07	11032001
422.5999	649389.5	-66.4729	30.93853	7393368	-1.7E+07	11029565
422.7999	649554	-66.464	30.93069	7396643	-1.7E+07	11027125
422.9999	649717.9	-66.4552	30.92283	7399921	-1.7E+07	11024682
423.1999	649881.4	-66.4464	30.91497	7403201	-1.7E+07	11022236
423.3999	650044.3	-66.4375	30.90709	7406485	-1.7E+07	11019786
423.5999	650206.7	-66.4287	30.89921	7409773	-1.7E+07	11017332
423.7999	650368.5	-66.4198	30.89132	7413063	-1.7E+07	11014875
423.9999	650529.9	-66.4109	30.88342	7416356	-1.7E+07	11012414
424.1999	650690.7	-66.4021	30.8755	7419653	-1.7E+07	11009950
424.3999	650850.9	-66.3932	30.86758	7422952	-1.7E+07	11007482
424.5999	651010.6	-66.3843	30.85965	7426255	-1.7E+07	11005011
424.7999	651169.8	-66.3754	30.85171	7429561	-1.7E+07	11002536
424.9999	651328.4	-66.3665	30.84377	7432870	-1.7E+07	11000057

425.1999	651486.5	-66.3575	30.83581	7436182	-1.7E+07	10997575
425.3999	651644	-66.3486	30.82784	7439497	-1.7E+07	10995090
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425.7999	651957.3	-66.3307	30.81188	7446137	-1.7E+07	10990108
425.9999	652113.1	-66.3218	30.80388	7449462	-1.7E+07	10987611
426.1999	652268.3	-66.3128	30.79588	7452789	-1.7E+07	10985112
426.3999	652422.9	-66.3039	30.78786	7456120	-1.7E+07	10982608
426.5999	652577	-66.2949	30.77984	7459454	-1.7E+07	10980101
426.7999	652730.5	-66.2859	30.7718	7462791	-1.7E+07	10977591
426.9999	652883.4	-66.2769	30.76376	7466131	-1.7E+07	10975077
427.1999	653035.7	-66.2679	30.75571	7469474	-1.7E+07	10972559
427.3999	653187.4	-66.2589	30.74765	7472820	-1.7E+07	10970038
427.5999	653338.6	-66.2499	30.73958	7476169	-1.7E+07	10967513
427.7999	653489.1	-66.2409	30.7315	7479521	-1.7E+07	10964985
427.9999	653639	-66.2318	30.72341	7482876	-1.7E+07	10962453
428.1999	653788.3	-66.2228	30.71531	7486235	-1.7E+07	10959917
428.3999	653937	-66.2137	30.7072	7489596	-1.7E+07	10957378
428.5999	654085.1	-66.2047	30.69908	7492960	-1.7E+07	10954835
428.7999	654232.6	-66.1956	30.69096	7496328	-1.7E+07	10952289
428.9999	654379.4	-66.1866	30.68282	7499698	-1.7E+07	10949739
429.1999	654525.6	-66.1775	30.67468	7503072	-1.7E+07	10947186
429.3999	654671.2	-66.1684	30.66652	7506448	-1.7E+07	10944629
429.5999	654816.2	-66.1593	30.65836	7509828	-1.7E+07	10942068
429.7999	654960.5	-66.1502	30.65018	7513210	-1.7E+07	10939504
429.9999	655104.2	-66.1411	30.642	7516596	-1.7E+07	10936936
430.1999	655247.2	-66.132	30.63381	7519984	-1.7E+07	10934365
430.3999	655389.6	-66.1228	30.62561	7523376	-1.7E+07	10931790
430.5999	655531.3	-66.1137	30.6174	7526770	-1.7E+07	10929211
430.7999	655672.4	-66.1045	30.60918	7530168	-1.7E+07	10926629
430.9999	655812.8	-66.0954	30.60095	7533568	-1.7E+07	10924043
431.1999	655952.6	-66.0862	30.59271	7536971	-1.7E+07	10921454
431.3999	656091.7	-66.0771	30.58446	7540378	-1.7E+07	10918861
431.5999	656230.1	-66.0679	30.57621	7543787	-1.7E+07	10916265
431.7999	656367.8	-66.0587	30.56794	7547199	-1.7E+07	10913665
431.9999	656504.9	-66.0495	30.55967	7550614	-1.7E+07	10911061
432.1999	656641.2	-66.0403	30.55138	7554032	-1.7E+07	10908454
432.3999	656776.9	-66.0311	30.54309	7557453	-1.7E+07	10905843
432.5999	656911.9	-66.0219	30.53479	7560877	-1.7E+07	10903229
432.7999	657046.2	-66.0127	30.52647	7564304	-1.7E+07	10900611
432.9999	657179.8	-66.0035	30.51815	7567734	-1.7E+07	10897989
433.1999	657312.6	-65.9942	30.50982	7571166	-1.7E+07	10895364
433.3999	657444.8	-65.985	30.50148	7574601	-1.7E+07	10892736
433.5999	657576.3	-65.9757	30.49313	7578040	-1.7E+07	10890103
433.7999	657707	-65.9665	30.48478	7581481	-1.7E+07	10887468
433.9999	657837	-65.9572	30.47641	7584925	-1.7E+07	10884828
434.1999	657966.3	-65.9479	30.46803	7588371	-1.7E+07	10882185
434.3999	658094.9	-65.9386	30.45965	7591821	-1.7E+07	10879539

434.5999	658222.7	-65.9294	30.45126	7595274	-1.7E+07	10876889
434.7999	658349.8	-65.9201	30.44285	7598729	-1.7E+07	10874235
434.9999	658476.2	-65.9108	30.43444	7602187	-1.7E+07	10871578
435.1999	658601.8	-65.9014	30.42602	7605648	-1.7E+07	10868917
435.3999	658726.6	-65.8921	30.41759	7609111	-1.7E+07	10866253
435.5999	658850.7	-65.8828	30.40915	7612578	-1.7E+07	10863585
435.7999	658974.1	-65.8735	30.4007	7616047	-1.7E+07	10860914
435.9999	659096.7	-65.8641	30.39225	7619519	-1.7E+07	10858239
436.1999	659218.5	-65.8548	30.38378	7622993	-1.7E+07	10855560
436.3999	659339.6	-65.8454	30.37531	7626471	-1.7E+07	10852878
436.5999	659459.9	-65.8361	30.36682	7629951	-1.7E+07	10850192
436.7999	659579.5	-65.8267	30.35833	7633434	-1.7E+07	10847503
436.9999	659698.3	-65.8173	30.34983	7636920	-1.7E+07	10844811
437.1999	659816.3	-65.8079	30.34132	7640408	-1.7E+07	10842114
437.3999	659933.6	-65.7985	30.3328	7643899	-1.7E+07	10839415
437.5999	660050	-65.7891	30.32427	7647392	-1.7E+07	10836712
437.7999	660165.8	-65.7797	30.31573	7650889	-1.7E+07	10834005
437.9999	660280.7	-65.7703	30.30719	7654388	-1.7E+07	10831294
438.1999	660394.9	-65.7609	30.29863	7657889	-1.7E+07	10828581
438.3999	660508.3	-65.7515	30.29007	7661394	-1.7E+07	10825863
438.5999	660620.9	-65.742	30.2815	7664901	-1.7E+07	10823143
438.7999	660732.7	-65.7326	30.27292	7668410	-1.7E+07	10820418
438.9999	660843.8	-65.7231	30.26433	7671922	-1.7E+07	10817691
439.1999	660954	-65.7137	30.25573	7675437	-1.7E+07	10814959
439.3999	661063.5	-65.7042	30.24712	7678955	-1.7E+07	10812225
439.5999	661172.2	-65.6948	30.2385	7682475	-1.7E+07	10809486
439.7999	661280.1	-65.6853	30.22988	7685997	-1.7E+07	10806745
439.9999	661387.3	-65.6758	30.22125	7689522	-1.7E+07	10804000
440.1999	661493.6	-65.6663	30.21261	7693050	-1.7E+07	10801251
440.3999	661599.2	-65.6568	30.20396	7696580	-1.7E+07	10798499
440.5999	661703.9	-65.6473	30.1953	7700113	-1.7E+07	10795743
440.7999	661807.9	-65.6378	30.18663	7703648	-1.7E+07	10792984
440.9999	661911	-65.6283	30.17795	7707186	-1.7E+07	10790222
441.1999	662013.4	-65.6188	30.16927	7710726	-1.7E+07	10787456
441.3999	662115	-65.6092	30.16058	7714268	-1.7E+07	10784687
441.5999	662215.8	-65.5997	30.15187	7717814	-1.7E+07	10781914
441.7999	662315.8	-65.5902	30.14316	7721361	-1.7E+07	10779138
441.9999	662414.9	-65.5806	30.13445	7724911	-1.7E+07	10776359
442.1999	662513.3	-65.5711	30.12572	7728464	-1.7E+07	10773576
442.3999	662610.9	-65.5615	30.11698	7732019	-1.7E+07	10770789
442.5999	662707.7	-65.5519	30.10824	7735576	-1.7E+07	10768000
442.7999	662803.6	-65.5423	30.09949	7739136	-1.7E+07	10765206
442.9999	662898.8	-65.5328	30.09073	7742698	-1.7E+07	10762410
443.1999	662993.1	-65.5232	30.08196	7746263	-1.7E+07	10759610
443.3999	663086.7	-65.5136	30.07318	7749830	-1.7E+07	10756807
443.5999	663179.4	-65.504	30.0644	7753399	-1.7E+07	10754000
443.7999	663271.3	-65.4944	30.05561	7756971	-1.7E+07	10751190

443.9999	663362.4	-65.4848	30.0468	7760545	-1.7E+07	10748377
444.1999	663452.7	-65.4751	30.03799	7764121	-1.7E+07	10745560
444.3999	663542.2	-65.4655	30.02918	7767699	-1.7E+07	10742740
444.5999	663630.9	-65.4559	30.02035	7771280	-1.7E+07	10739917
444.7999	663718.7	-65.4462	30.01152	7774864	-1.7E+07	10737090
444.9999	663805.8	-65.4366	30.00267	7778449	-1.7E+07	10734260
445.1999	663892	-65.427	29.99382	7782037	-1.7E+07	10731427
445.3999	663977.4	-65.4173	29.98496	7785627	-1.7E+07	10728590
445.5999	664062	-65.4076	29.9761	7789219	-1.7E+07	10725750
445.7999	664145.8	-65.398	29.96722	7792814	-1.7E+07	10722907
445.9999	664228.7	-65.3883	29.95834	7796410	-1.7E+07	10720061
446.1999	664310.8	-65.3786	29.94945	7800009	-1.7E+07	10717211
446.3999	664392.1	-65.3689	29.94055	7803610	-1.7E+07	10714358
446.5999	664472.6	-65.3592	29.93164	7807213	-1.7E+07	10711501
446.7999	664552.2	-65.3495	29.92273	7810819	-1.7E+07	10708642
446.9999	664631	-65.3398	29.91381	7814426	-1.7E+07	10705779
447.1999	664709	-65.3301	29.90488	7818036	-1.7E+07	10702913
447.3999	664786.2	-65.3204	29.89594	7821648	-1.7E+07	10700043
447.5999	664862.5	-65.3107	29.88699	7825262	-1.7E+07	10697171
447.7999	664938	-65.301	29.87804	7828878	-1.7E+07	10694295
447.9999	665012.7	-65.2912	29.86908	7832496	-1.7E+07	10691416
448.1999	665086.5	-65.2815	29.86011	7836116	-1.7E+07	10688534
448.3999	665159.5	-65.2718	29.85113	7839739	-1.7E+07	10685648
448.5999	665231.7	-65.262	29.84215	7843363	-1.7E+07	10682760
448.7999	665303.1	-65.2523	29.83316	7846989	-1.7E+07	10679868
448.9999	665373.6	-65.2425	29.82416	7850618	-1.7E+07	10676973
449.1999	665443.3	-65.2327	29.81515	7854248	-1.7E+07	10674075
449.3999	665512.1	-65.223	29.80613	7857880	-1.7E+07	10671173
449.5999	665580.2	-65.2132	29.79711	7861515	-1.7E+07	10668269
449.7999	665647.4	-65.2034	29.78808	7865151	-1.7E+07	10665361
449.9999	665713.8	-65.1936	29.77904	7868789	-1.7E+07	10662451
450.1999	665779.4	-65.1838	29.77	7872430	-1.7E+07	10659537
450.3999	665844.1	-65.174	29.76095	7876072	-1.7E+07	10656620
450.5999	665908	-65.1642	29.75189	7879716	-1.7E+07	10653700
450.7999	665971.1	-65.1544	29.74282	7883362	-1.7E+07	10650776
450.9999	666033.4	-65.1446	29.73375	7887010	-1.7E+07	10647850
451.1999	666094.8	-65.1348	29.72466	7890660	-1.7E+07	10644921
451.3999	666155.5	-65.125	29.71557	7894311	-1.7E+07	10641988
451.5999	666215.3	-65.1152	29.70648	7897965	-1.7E+07	10639053
451.7999	666274.2	-65.1053	29.69737	7901620	-1.7E+07	10636114
451.9999	666332.4	-65.0955	29.68826	7905277	-1.7E+07	10633173
452.1999	666389.8	-65.0857	29.67915	7908936	-1.7E+07	10630228
452.3999	666446.3	-65.0758	29.67002	7912597	-1.7E+07	10627281
452.5999	666502	-65.066	29.66089	7916260	-1.7E+07	10624330
452.7999	666556.9	-65.0561	29.65175	7919924	-1.7E+07	10621376
452.9999	666611	-65.0463	29.6426	7923590	-1.7E+07	10618420
453.1999	666664.3	-65.0364	29.63345	7927258	-1.7E+07	10615460

453.3999	666716.8	-65.0265	29.62429	7930928	-1.7E+07	10612498
453.5999	666768.5	-65.0167	29.61512	7934599	-1.7E+07	10609532
453.7999	666819.3	-65.0068	29.60594	7938272	-1.7E+07	10606564
453.9999	666869.4	-64.9969	29.59676	7941946	-1.7E+07	10603592
454.1999	666918.7	-64.987	29.58757	7945623	-1.7E+07	10600618
454.3999	666967.1	-64.9771	29.57838	7949301	-1.7E+07	10597641
454.5999	667014.8	-64.9672	29.56918	7952980	-1.7E+07	10594660
454.7999	667061.7	-64.9573	29.55997	7956662	-1.7E+07	10591677
454.9999	667107.8	-64.9474	29.55075	7960345	-1.7E+07	10588691
455.1999	667153	-64.9375	29.54153	7964029	-1.7E+07	10585703
455.3999	667197.5	-64.9276	29.5323	7967715	-1.7E+07	10582711
455.5999	667241.1	-64.9177	29.52307	7971403	-1.7E+07	10579716
455.7999	667284	-64.9078	29.51382	7975092	-1.7E+07	10576719
455.9999	667326	-64.8978	29.50457	7978783	-1.7E+07	10573719
456.1999	667367.2	-64.8879	29.49532	7982475	-1.7E+07	10570716
456.3999	667407.6	-64.878	29.48606	7986169	-1.7E+07	10567710
456.5999	667447.2	-64.868	29.47679	7989864	-1.7E+07	10564701
456.7999	667485.9	-64.8581	29.46751	7993561	-1.7E+07	10561690
456.9999	667523.8	-64.8482	29.45823	7997259	-1.7E+07	10558676
457.1999	667560.9	-64.8382	29.44895	8000958	-1.7E+07	10555659
457.3999	667597.2	-64.8283	29.43965	8004659	-1.7E+07	10552639
457.5999	667632.6	-64.8183	29.43035	8008361	-1.7E+07	10549617
457.7999	667667.2	-64.8083	29.42104	8012065	-1.7E+07	10546592
457.9999	667701	-64.7984	29.41173	8015770	-1.7E+07	10543564
458.1999	667734	-64.7884	29.40241	8019477	-1.7E+07	10540533
458.3999	667766.1	-64.7784	29.39309	8023185	-1.7E+07	10537500
458.5999	667797.5	-64.7685	29.38376	8026894	-1.7E+07	10534464
458.7999	667828	-64.7585	29.37442	8030604	-1.7E+07	10531425
458.9999	667857.8	-64.7485	29.36508	8034316	-1.7E+07	10528384
459.1999	667886.7	-64.7385	29.35573	8038029	-1.7E+07	10525340
459.3999	667914.9	-64.7285	29.34637	8041743	-1.7E+07	10522293
459.5999	667942.3	-64.7186	29.33701	8045459	-1.7E+07	10519244
459.7999	667968.8	-64.7086	29.32764	8049176	-1.7E+07	10516192
459.9999	667994.7	-64.6986	29.31827	8052894	-1.7E+07	10513138
460.1999	668019.7	-64.6886	29.30889	8056613	-1.7E+07	10510081
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460.5999	668067.6	-64.6685	29.29012	8064055	-1.7E+07	10503959
460.7999	668090.4	-64.6585	29.28072	8067778	-1.7E+07	10500895
460.9999	668112.4	-64.6485	29.27132	8071502	-1.7E+07	10497828
461.1999	668133.8	-64.6385	29.26191	8075227	-1.7E+07	10494758
461.3999	668154.4	-64.6285	29.2525	8078954	-1.7E+07	10491686
461.5999	668174.3	-64.6185	29.24308	8082681	-1.7E+07	10488612
461.7999	668193.5	-64.6084	29.23366	8086410	-1.7E+07	10485535
461.9999	668212	-64.5984	29.22423	8090140	-1.7E+07	10482455
462.1999	668229.8	-64.5884	29.21479	8093871	-1.7E+07	10479373
462.3999	668246.9	-64.5784	29.20535	8097603	-1.7E+07	10476289
462.5999	668263.3	-64.5683	29.19591	8101336	-1.7E+07	10473202

462.7999	668279	-64.5583	29.18645	8105070	-1.7E+07	10470113
462.9999	668294.1	-64.5482	29.177	8108805	-1.7E+07	10467022
463.1999	668308.5	-64.5382	29.16753	8112541	-1.7E+07	10463928
463.3999	668322.2	-64.5281	29.15807	8116278	-1.7E+07	10460832
463.5999	668335.3	-64.5181	29.14859	8120017	-1.7E+07	10457734
463.7999	668347.8	-64.508	29.13912	8123756	-1.7E+07	10454633
463.9999	668359.6	-64.498	29.12963	8127496	-1.7E+07	10451530
464.1999	668370.8	-64.4879	29.12014	8131237	-1.7E+07	10448424
464.3999	668381.3	-64.4779	29.11065	8134980	-1.7E+07	10445317
464.5999	668391.2	-64.4678	29.10115	8138723	-1.7E+07	10442207
464.7999	668400.6	-64.4577	29.09165	8142467	-1.7E+07	10439095
464.9999	668409.3	-64.4477	29.08214	8146212	-1.7E+07	10435981
465.1999	668417.4	-64.4376	29.07263	8149958	-1.7E+07	10432864
465.3999	668424.9	-64.4275	29.06311	8153705	-1.7E+07	10429745
465.5999	668431.8	-64.4175	29.05359	8157453	-1.7E+07	10426624
465.7999	668438.2	-64.4074	29.04406	8161201	-1.7E+07	10423501
465.9999	668444	-64.3973	29.03452	8164951	-1.7E+07	10420376
466.1999	668449.2	-64.3872	29.02499	8168701	-1.7E+07	10417249
466.3999	668453.9	-64.3771	29.01544	8172453	-1.7E+07	10414119
466.5999	668458	-64.3671	29.0059	8176205	-1.7E+07	10410988
466.7999	668461.6	-64.357	28.99634	8179957	-1.7E+07	10407854
466.9999	668464.7	-64.3469	28.98679	8183711	-1.7E+07	10404719
467.1999	668467.4	-64.3368	28.97723	8187465	-1.7E+07	10401581
467.3999	668469.5	-64.3267	28.96766	8191220	-1.7E+07	10398442
467.5999	668471.2	-64.3166	28.95809	8194976	-1.7E+07	10395301
467.7999	668472.4	-64.3065	28.94852	8198732	-1.7E+07	10392157
467.9999	668473.2	-64.2964	28.93894	8202488	-1.7E+07	10389013
468.1999	668473.6	-64.2863	28.92936	8206246	-1.7E+07	10385866
468.3999	668473.6	-64.2762	28.91978	8210003	-1.7E+07	10382718
468.5999	668473.2	-64.2661	28.91019	8213762	-1.7E+07	10379568
468.7999	668472.5	-64.2561	28.9006	8217520	-1.7E+07	10376416
468.9999	668471.3	-64.246	28.891	8221279	-1.7E+07	10373263
469.1999	668469.8	-64.2359	28.8814	8225039	-1.7E+07	10370108
469.3999	668468	-64.2258	28.8718	8228798	-1.7E+07	10366951
469.5999	668465.9	-64.2157	28.8622	8232558	-1.7E+07	10363793
469.7999	668463.4	-64.2056	28.85259	8236319	-1.7E+07	10360634
469.9999	668460.6	-64.1955	28.84298	8240080	-1.7E+07	10357472
470.1999	668457.5	-64.1854	28.83336	8243841	-1.7E+07	10354310
470.3999	668454.1	-64.1753	28.82374	8247602	-1.7E+07	10351146
470.5999	668450.5	-64.1652	28.81412	8251363	-1.7E+07	10347981
470.7999	668446.6	-64.1551	28.8045	8255125	-1.7E+07	10344814
470.9999	668442.4	-64.145	28.79487	8258886	-1.7E+07	10341646
471.1999	668438	-64.1349	28.78524	8262648	-1.7E+07	10338477
471.3999	668433.4	-64.1248	28.77561	8266410	-1.7E+07	10335306
471.5999	668428.5	-64.1147	28.76597	8270172	-1.7E+07	10332134
471.7999	668423.5	-64.1046	28.75633	8273934	-1.7E+07	10328961
471.9999	668418.2	-64.0945	28.74669	8277696	-1.7E+07	10325787

472.1999	668412.7	-64.0844	28.73705	8281459	-1.7E+07	10322611
472.3999	668407.1	-64.0743	28.72741	8285221	-1.7E+07	10319435
472.5999	668401.2	-64.0642	28.71776	8288983	-1.7E+07	10316257
472.7999	668395.2	-64.0541	28.70811	8292745	-1.7E+07	10313078
472.9999	668389.1	-64.044	28.69846	8296507	-1.7E+07	10309898
473.1999	668382.8	-64.0339	28.68881	8300269	-1.7E+07	10306717
473.3999	668376.3	-64.0238	28.67915	8304031	-1.7E+07	10303535
473.5999	668369.7	-64.0137	28.66949	8307793	-1.7E+07	10300353
473.7999	668363.1	-64.0036	28.65983	8311554	-1.7E+07	10297169
473.9999	668356.2	-63.9935	28.65017	8315315	-1.7E+07	10293984
474.1999	668349.3	-63.9834	28.64051	8319077	-1.7E+07	10290798
474.3999	668342.3	-63.9733	28.63085	8322838	-1.7E+07	10287612
474.5999	668335.2	-63.9632	28.62118	8326598	-1.7E+07	10284424
474.7999	668328	-63.9531	28.61151	8330359	-1.7E+07	10281236
474.9999	668320.8	-63.9431	28.60184	8334119	-1.7E+07	10278047
475.1999	668313.5	-63.933	28.59217	8337879	-1.7E+07	10274857
475.3999	668306.1	-63.9229	28.5825	8341639	-1.7E+07	10271666
475.5999	668298.6	-63.9128	28.57283	8345398	-1.7E+07	10268475
475.7999	668291.1	-63.9027	28.56315	8349157	-1.7E+07	10265283
475.9999	668283.6	-63.8927	28.55348	8352916	-1.7E+07	10262090
476.1999	668276	-63.8826	28.5438	8356674	-1.7E+07	10258896
476.3999	668268.4	-63.8725	28.53412	8360432	-1.7E+07	10255701
476.5999	668260.7	-63.8624	28.52444	8364190	-1.7E+07	10252506
476.7999	668253	-63.8524	28.51476	8367947	-1.7E+07	10249310
476.9999	668245.3	-63.8423	28.50508	8371704	-1.7E+07	10246114
477.1999	668237.5	-63.8322	28.4954	8375461	-1.7E+07	10242917
477.3999	668229.8	-63.8222	28.48571	8379217	-1.7E+07	10239719
477.5999	668222	-63.8121	28.47602	8382973	-1.7E+07	10236520
477.7999	668214.2	-63.802	28.46634	8386728	-1.7E+07	10233321
477.9999	668206.3	-63.792	28.45665	8390483	-1.7E+07	10230121
478.1999	668198.5	-63.7819	28.44696	8394238	-1.7E+07	10226921
478.3999	668190.6	-63.7719	28.43727	8397992	-1.7E+07	10223720
478.5999	668182.8	-63.7618	28.42758	8401746	-1.7E+07	10220518
478.7999	668174.9	-63.7518	28.41789	8405499	-1.7E+07	10217315
478.9999	668167.1	-63.7417	28.4082	8409252	-1.7E+07	10214112
479.1999	668159.2	-63.7317	28.3985	8413004	-1.7E+07	10210909
479.3999	668151.3	-63.7216	28.38881	8416756	-1.7E+07	10207705
479.5999	668143.5	-63.7116	28.37911	8420508	-1.7E+07	10204500
479.7999	668135.6	-63.7015	28.36941	8424259	-1.7E+07	10201294
479.9999	668127.7	-63.6915	28.35972	8428009	-1.7E+07	10198088
480.1999	668119.9	-63.6814	28.35002	8431759	-1.7E+07	10194882
480.3999	668112	-63.6714	28.34032	8435509	-1.7E+07	10191675
480.5999	668104.2	-63.6614	28.33062	8439258	-1.7E+07	10188467
480.7999	668096.3	-63.6513	28.32092	8443007	-1.7E+07	10185259
480.9999	668088.5	-63.6413	28.31121	8446755	-1.7E+07	10182050
481.1999	668080.6	-63.6313	28.30151	8450503	-1.7E+07	10178840
481.3999	668072.8	-63.6212	28.29181	8454251	-1.7E+07	10175630

481.5999	668065	-63.6112	28.2821	8457997	-1.7E+07	10172419
481.7999	668057.1	-63.6012	28.2724	8461744	-1.7E+07	10169208
481.9999	668049.3	-63.5912	28.26269	8465490	-1.7E+07	10165996
482.1999	668041.5	-63.5811	28.25298	8469235	-1.7E+07	10162784
482.3999	668033.7	-63.5711	28.24327	8472980	-1.7E+07	10159571
482.5999	668025.9	-63.5611	28.23356	8476725	-1.7E+07	10156357
482.7999	668018.1	-63.5511	28.22385	8480469	-1.7E+07	10153143
482.9999	668010.3	-63.5411	28.21414	8484213	-1.7E+07	10149928
483.1999	668002.5	-63.5311	28.20443	8487956	-1.7E+07	10146713
483.3999	667994.7	-63.5211	28.19472	8491699	-1.7E+07	10143497
483.5999	667986.9	-63.5111	28.185	8495441	-1.7E+07	10140280
483.7999	667979.2	-63.5011	28.17529	8499183	-1.7E+07	10137063
483.9999	667971.4	-63.491	28.16557	8502924	-1.7E+07	10133845
484.1999	667963.6	-63.481	28.15585	8506665	-1.7E+07	10130627
484.3999	667955.9	-63.471	28.14614	8510405	-1.7E+07	10127408
484.5999	667948.1	-63.4611	28.13642	8514145	-1.7E+07	10124189
484.7999	667940.4	-63.4511	28.1267	8517885	-1.7E+07	10120969
484.9999	667932.7	-63.4411	28.11698	8521624	-1.7E+07	10117748
485.1999	667924.9	-63.4311	28.10726	8525362	-1.7E+07	10114527
485.3999	667917.2	-63.4211	28.09753	8529100	-1.7E+07	10111305
485.5999	667909.5	-63.4111	28.08781	8532838	-1.7E+07	10108083
485.7999	667901.8	-63.4011	28.07809	8536575	-1.7E+07	10104860
485.9999	667894.1	-63.3911	28.06836	8540312	-1.7E+07	10101637
486.1999	667886.4	-63.3811	28.05864	8544048	-1.7E+07	10098413
486.3999	667878.7	-63.3712	28.04891	8547784	-1.7E+07	10095188
486.5999	667871	-63.3612	28.03918	8551519	-1.7E+07	10091963
486.7999	667863.3	-63.3512	28.02945	8555254	-1.7E+07	10088737
486.9999	667855.7	-63.3412	28.01972	8558988	-1.7E+07	10085511
487.1999	667848	-63.3313	28.00999	8562722	-1.7E+07	10082284
487.3999	667840.3	-63.3213	28.00026	8566455	-1.7E+07	10079056
487.5999	667832.7	-63.3113	27.99053	8570188	-1.7E+07	10075828
487.7999	667825	-63.3014	27.9808	8573920	-1.7E+07	10072599
487.9999	667817.4	-63.2914	27.97106	8577652	-1.7E+07	10069370
488.1999	667809.8	-63.2814	27.96133	8581384	-1.7E+07	10066140
488.3999	667802.2	-63.2715	27.95159	8585115	-1.7E+07	10062910
488.5999	667794.5	-63.2615	27.94186	8588845	-1.7E+07	10059679
488.7999	667786.9	-63.2516	27.93212	8592575	-1.7E+07	10056448
488.9999	667779.3	-63.2416	27.92238	8596305	-1.7E+07	10053215
489.1999	667771.8	-63.2316	27.91264	8600034	-1.7E+07	10049983
489.3999	667764.2	-63.2217	27.9029	8603763	-1.7E+07	10046750
489.5999	667756.6	-63.2117	27.89316	8607491	-1.7E+07	10043516
489.7999	667749	-63.2018	27.88342	8611218	-1.7E+07	10040281
489.9999	667741.4	-63.1918	27.87368	8614945	-1.7E+07	10037046
490.1999	667733.9	-63.1819	27.86393	8618672	-1.7E+07	10033811
490.3999	667726.3	-63.172	27.85419	8622398	-1.7E+07	10030575
490.5999	667718.8	-63.162	27.84444	8626124	-1.7E+07	10027338
490.7999	667711.2	-63.1521	27.8347	8629849	-1.7E+07	10024101

490.9999	667703.7	-63.1421	27.82495	8633574	-1.7E+07	10020863
491.1999	667696.2	-63.1322	27.8152	8637298	-1.7E+07	10017625
491.3999	667688.7	-63.1223	27.80546	8641022	-1.7E+07	10014386
491.5999	667681.2	-63.1124	27.79571	8644746	-1.7E+07	10011146
491.7999	667673.7	-63.1024	27.78596	8648469	-1.7E+07	10007906
491.9999	667666.2	-63.0925	27.7762	8652191	-1.7E+07	10004666
492.1999	667658.7	-63.0826	27.76645	8655913	-1.7E+07	10001424
492.3999	667651.2	-63.0726	27.7567	8659634	-1.7E+07	9998183
492.5999	667643.7	-63.0627	27.74695	8663355	-1.7E+07	9994940
492.7999	667636.3	-63.0528	27.73719	8667076	-1.7E+07	9991697
492.9999	667628.8	-63.0429	27.72744	8670796	-1.7E+07	9988454
493.1999	667621.4	-63.033	27.71768	8674515	-1.7E+07	9985210
493.3999	667614	-63.0231	27.70792	8678234	-1.7E+07	9981965
493.5999	667606.5	-63.0132	27.69816	8681953	-1.7E+07	9978720
493.7999	667599.1	-63.0032	27.6884	8685671	-1.7E+07	9975474
493.9999	667591.7	-62.9933	27.67864	8689388	-1.7E+07	9972228
494.1999	667584.3	-62.9834	27.66888	8693106	-1.7E+07	9968981
494.3999	667576.9	-62.9735	27.65912	8696822	-1.7E+07	9965734
494.5999	667569.5	-62.9636	27.64936	8700538	-1.7E+07	9962486
494.7999	667562.2	-62.9537	27.6396	8704254	-1.7E+07	9959237
494.9999	667554.8	-62.9438	27.62983	8707969	-1.7E+07	9955988
495.1999	667547.4	-62.9339	27.62007	8711684	-1.7E+07	9952738
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495.7999	667525.4	-62.9043	27.59077	8722825	-1.7E+07	9942986
495.9999	667518.1	-62.8944	27.581	8726538	-1.7E+07	9939734
496.1999	667510.8	-62.8845	27.57123	8730250	-1.7E+07	9936481
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496.5999	667496.1	-62.8647	27.55169	8737673	-1.7E+07	9929975
496.7999	667488.9	-62.8548	27.54192	8741384	-1.7E+07	9926720
496.9999	667481.6	-62.8449	27.53214	8745095	-1.7E+07	9923466
497.1999	667474.3	-62.8351	27.52237	8748804	-1.7E+07	9920210
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497.7999	667452.5	-62.8054	27.49304	8759931	-1.7E+07	9910441
497.9999	667445.3	-62.7956	27.48327	8763639	-1.7E+07	9907183
498.1999	667438.1	-62.7857	27.47349	8767347	-1.7E+07	9903925
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498.7999	667416.4	-62.7561	27.44415	8778466	-1.7E+07	9894147
498.9999	667409.2	-62.7463	27.43437	8782172	-1.7E+07	9890887
499.1999	667402	-62.7364	27.42459	8785877	-1.7E+07	9887626
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500.1999	667366.2	-62.6871	27.37566	8804394	-1.7E+07	9871313

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501.9999	667302.3	-62.5986	27.28755	8837696	-1.7E+07	9841914
502.1999	667295.3	-62.5887	27.27775	8841393	-1.7E+07	9838645
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502.5999	667281.2	-62.5691	27.25816	8848787	-1.7E+07	9832104
502.7999	667274.2	-62.5593	27.24836	8852484	-1.7E+07	9828833
502.9999	667267.2	-62.5494	27.23856	8856179	-1.7E+07	9825562
503.1999	667260.2	-62.5396	27.22877	8859875	-1.7E+07	9822290
503.3999	667253.2	-62.5298	27.21897	8863569	-1.7E+07	9819017
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503.7999	667239.2	-62.5102	27.19936	8870958	-1.7E+07	9812470
503.9999	667232.2	-62.5003	27.18956	8874651	-1.7E+07	9809196
504.1999	667225.3	-62.4905	27.17976	8878344	-1.7E+07	9805921
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504.5999	667211.4	-62.4709	27.16015	8885728	-1.7E+07	9799370
504.7999	667204.4	-62.4611	27.15034	8889419	-1.7E+07	9796093
504.9999	667197.5	-62.4513	27.14054	8893110	-1.7E+07	9792816
505.1999	667190.6	-62.4415	27.13073	8896800	-1.7E+07	9789538
505.3999	667183.7	-62.4317	27.12092	8900490	-1.7E+07	9786260
505.5999	667176.8	-62.4219	27.11111	8904180	-1.7E+07	9782981
505.7999	667169.9	-62.4121	27.1013	8907868	-1.7E+07	9779702
505.9999	667163	-62.4023	27.09149	8911557	-1.7E+07	9776422
506.1999	667156.2	-62.3925	27.08168	8915245	-1.7E+07	9773142
506.3999	667149.3	-62.3827	27.07187	8918932	-1.7E+07	9769861
506.5999	667142.4	-62.3729	27.06206	8922619	-1.7E+07	9766579
506.7999	667135.6	-62.3631	27.05224	8926305	-1.7E+07	9763297
506.9999	667128.8	-62.3534	27.04243	8929991	-1.7E+07	9760014
507.1999	667122	-62.3436	27.03261	8933677	-1.7E+07	9756731
507.3999	667115.1	-62.3338	27.0228	8937362	-1.7E+07	9753448
507.5999	667108.3	-62.324	27.01298	8941046	-1.7E+07	9750163
507.7999	667101.5	-62.3142	27.00316	8944730	-1.7E+07	9746878
507.9999	667094.8	-62.3044	26.99334	8948413	-1.7E+07	9743593
508.1999	667088	-62.2947	26.98352	8952096	-1.7E+07	9740307
508.3999	667081.2	-62.2849	26.9737	8955779	-1.7E+07	9737021
508.5999	667074.5	-62.2751	26.96388	8959461	-1.7E+07	9733734
508.7999	667067.7	-62.2654	26.95406	8963142	-1.7E+07	9730446
508.9999	667061	-62.2556	26.94423	8966823	-1.7E+07	9727158
509.0499	667059.3	-62.2531	26.94178	8967743	-1.7E+07	9726336
509.1999	667054.3	-62.2458	26.93441	8970504	-1.7E+07	9723869
509.2499	667052.6	-62.2434	26.93195	8971424	-1.7E+07	9723047

509.3999	667047.5	-62.2361	26.92459	8974184	-1.7E+07	9720580
509.5999	667040.8	-62.2263	26.91476	8977863	-1.7E+07	9717290
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510.1999	667020.8	-62.197	26.88528	8988899	-1.7E+07	9707417
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510.7999	667000.8	-62.1678	26.85579	8999930	-1.7E+07	9697540
510.9999	666994.1	-62.158	26.84596	9003606	-1.7E+07	9694246
511.1999	666987.5	-62.1483	26.83613	9007281	-1.7E+07	9690952
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511.7999	666967.7	-62.119	26.80663	9018305	-1.7E+07	9681066
511.9999	666961.1	-62.1093	26.79679	9021978	-1.7E+07	9677770
512.1999	666954.5	-62.0995	26.78696	9025651	-1.7E+07	9674473
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512.7999	666934.8	-62.0703	26.75744	9036667	-1.7E+07	9664579
512.9999	666928.3	-62.0606	26.7476	9040338	-1.7E+07	9661280
513.1999	666921.7	-62.0509	26.73776	9044009	-1.7E+07	9657980
513.3999	666915.2	-62.0411	26.72792	9047679	-1.7E+07	9654680
513.5999	666908.7	-62.0314	26.71808	9051348	-1.7E+07	9651379
513.7999	666902.2	-62.0217	26.70824	9055017	-1.7E+07	9648078
513.9999	666895.7	-62.012	26.6984	9058686	-1.7E+07	9644776
514.1999	666889.2	-62.0022	26.68855	9062354	-1.7E+07	9641474
514.3999	666882.7	-61.9925	26.67871	9066021	-1.7E+07	9638171
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514.7999	666869.8	-61.9731	26.65901	9073355	-1.7E+07	9631564
514.9999	666863.4	-61.9634	26.64917	9077021	-1.7E+07	9628259
515.1999	666856.9	-61.9537	26.63932	9080686	-1.7E+07	9624954
515.3999	666850.5	-61.944	26.62947	9084351	-1.7E+07	9621648
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515.7999	666837.7	-61.9245	26.60977	9091680	-1.7E+07	9615036
515.9999	666831.3	-61.9148	26.59992	9095343	-1.7E+07	9611728
516.1999	666824.9	-61.9051	26.59007	9099006	-1.7E+07	9608421
516.3999	666818.5	-61.8954	26.58021	9102669	-1.7E+07	9605112
516.5999	666812.1	-61.8857	26.57036	9106331	-1.7E+07	9601803
516.7999	666805.8	-61.876	26.5605	9109992	-1.7E+07	9598494
516.9999	666799.4	-61.8663	26.55065	9113653	-1.7E+07	9595184
517.1999	666793.1	-61.8566	26.54079	9117313	-1.7E+07	9591873
517.3999	666786.8	-61.8469	26.53094	9120973	-1.7E+07	9588562
517.5999	666780.4	-61.8373	26.52108	9124633	-1.7E+07	9585251
517.7999	666774.1	-61.8276	26.51122	9128292	-1.7E+07	9581939
517.9999	666767.8	-61.8179	26.50136	9131950	-1.7E+07	9578626
518.1999	666761.6	-61.8082	26.4915	9135608	-1.7E+07	9575313
518.3999	666755.3	-61.7985	26.48164	9139266	-1.7E+07	9571999
518.5999	666749	-61.7888	26.47178	9142923	-1.7E+07	9568685

518.7999	666742.7	-61.7792	26.46192	9146579	-1.7E+07	9565370
518.9999	666736.5	-61.7695	26.45205	9150235	-1.7E+07	9562055
519.1999	666730.3	-61.7598	26.44219	9153890	-1.7E+07	9558739
519.3999	666724	-61.7501	26.43232	9157545	-1.7E+07	9555422
519.5999	666717.8	-61.7404	26.42246	9161200	-1.7E+07	9552105
519.7999	666711.6	-61.7308	26.41259	9164854	-1.7E+07	9548788
519.9999	666705.4	-61.7211	26.40272	9168507	-1.7E+07	9545470
520.1999	666699.2	-61.7114	26.39286	9172160	-1.7E+07	9542151
520.3999	666693	-61.7018	26.38299	9175812	-1.7E+07	9538832
520.5999	666686.9	-61.6921	26.37312	9179464	-1.7E+07	9535512
520.7999	666680.7	-61.6824	26.36325	9183116	-1.7E+07	9532192
520.9999	666674.6	-61.6728	26.35338	9186767	-1.7E+07	9528871
521.1999	666668.4	-61.6631	26.3435	9190417	-1.7E+07	9525550
521.3999	666662.3	-61.6535	26.33363	9194067	-1.7E+07	9522228
521.5999	666656.2	-61.6438	26.32376	9197716	-1.7E+07	9518906
521.7999	666650.1	-61.6342	26.31388	9201365	-1.7E+07	9515583
521.9999	666644	-61.6245	26.30401	9205013	-1.7E+07	9512259
522.1999	666637.9	-61.6149	26.29413	9208661	-1.7E+07	9508935
522.3999	666631.8	-61.6052	26.28425	9212308	-1.7E+07	9505611
522.5999	666625.8	-61.5956	26.27438	9215955	-1.7E+07	9502286
522.7999	666619.7	-61.5859	26.2645	9219602	-1.7E+07	9498960
522.9999	666613.7	-61.5763	26.25462	9223247	-1.7E+07	9495634
523.1999	666607.6	-61.5666	26.24474	9226893	-1.7E+07	9492307
523.3999	666601.6	-61.557	26.23486	9230537	-1.7E+07	9488980
523.5999	666595.6	-61.5474	26.22498	9234182	-1.7E+07	9485653
523.7999	666589.6	-61.5377	26.2151	9237825	-1.7E+07	9482324
523.9999	666583.6	-61.5281	26.20521	9241469	-1.7E+07	9478995
524.1999	666577.6	-61.5185	26.19533	9245111	-1.7E+07	9475666
524.3999	666571.7	-61.5088	26.18544	9248754	-1.7E+07	9472336
524.5999	666565.7	-61.4992	26.17556	9252395	-1.7E+07	9469006
524.7999	666559.7	-61.4896	26.16567	9256036	-1.7E+07	9465675
524.9999	666553.8	-61.4799	26.15579	9259677	-1.7E+07	9462343
525.1999	666547.9	-61.4703	26.1459	9263317	-1.7E+07	9459011
525.3999	666542	-61.4607	26.13601	9266957	-1.7E+07	9455679
525.5999	666536.1	-61.4511	26.12612	9270596	-1.7E+07	9452346
525.7999	666530.2	-61.4415	26.11623	9274235	-1.7E+07	9449012
525.9999	666524.3	-61.4318	26.10634	9277873	-1.7E+07	9445678
526.1999	666518.4	-61.4222	26.09645	9281511	-1.7E+07	9442343
526.3999	666512.5	-61.4126	26.08656	9285148	-1.7E+07	9439008
526.5999	666506.7	-61.403	26.07666	9288784	-1.7E+07	9435673
526.7999	666500.8	-61.3934	26.06677	9292420	-1.7E+07	9432336
526.9999	666495	-61.3838	26.05687	9296056	-1.7E+07	9428999
527.1999	666489.2	-61.3742	26.04698	9299691	-1.7E+07	9425662
527.3999	666483.3	-61.3646	26.03708	9303325	-1.7E+07	9422324
527.5999	666477.5	-61.355	26.02718	9306959	-1.7E+07	9418986
527.7999	666471.8	-61.3454	26.01729	9310593	-1.7E+07	9415647
527.9999	666466	-61.3358	26.00739	9314226	-1.7E+07	9412307

528.1999	666460.2	-61.3262	25.99749	9317858	-1.7E+07	9408967
528.3999	666454.4	-61.3166	25.98759	9321490	-1.7E+07	9405627
528.5999	666448.7	-61.307	25.97769	9325122	-1.7E+07	9402286
528.7999	666442.9	-61.2974	25.96779	9328753	-1.7E+07	9398944
528.9999	666437.2	-61.2878	25.95788	9332383	-1.7E+07	9395602
529.1999	666431.5	-61.2782	25.94798	9336013	-1.7E+07	9392260
529.3999	666425.8	-61.2686	25.93808	9339643	-1.7E+07	9388916
529.5999	666420.1	-61.259	25.92817	9343272	-1.7E+07	9385573
529.7999	666414.4	-61.2495	25.91827	9346900	-1.7E+07	9382229
529.9999	666408.7	-61.2399	25.90836	9350528	-1.7E+07	9378884
530.1999	666403	-61.2303	25.89845	9354155	-1.7E+07	9375538
530.3999	666397.4	-61.2207	25.88855	9357782	-1.7E+07	9372193
530.5999	666391.7	-61.2111	25.87864	9361408	-1.7E+07	9368846
530.7999	666386.1	-61.2016	25.86873	9365034	-1.7E+07	9365499
530.9999	666380.5	-61.192	25.85882	9368659	-1.7E+07	9362152
531.1999	666374.8	-61.1824	25.84891	9372284	-1.7E+07	9358804
531.3999	666369.2	-61.1729	25.839	9375908	-1.7E+07	9355456
531.5999	666363.6	-61.1633	25.82908	9379532	-1.7E+07	9352107
531.7999	666358.1	-61.1537	25.81917	9383155	-1.7E+07	9348757
531.9999	666352.5	-61.1442	25.80926	9386778	-1.7E+07	9345407
532.1999	666346.9	-61.1346	25.79934	9390400	-1.7E+07	9342057
532.3999	666341.4	-61.125	25.78943	9394022	-1.7E+07	9338706
532.5999	666335.8	-61.1155	25.77951	9397643	-1.7E+07	9335354
532.7999	666330.3	-61.1059	25.76959	9401263	-1.7E+07	9332002
532.9999	666324.8	-61.0964	25.75967	9404884	-1.7E+07	9328649
533.1999	666319.2	-61.0868	25.74976	9408503	-1.7E+07	9325296
533.3999	666313.7	-61.0773	25.73984	9412122	-1.7E+07	9321942
533.5999	666308.2	-61.0677	25.72992	9415741	-1.7E+07	9318588
533.7999	666302.8	-61.0582	25.72	9419359	-1.7E+07	9315233
533.9999	666297.3	-61.0486	25.71007	9422976	-1.7E+07	9311878
534.1999	666291.8	-61.0391	25.70015	9426593	-1.7E+07	9308522
534.3999	666286.4	-61.0295	25.69023	9430210	-1.7E+07	9305166
534.5999	666280.9	-61.02	25.68031	9433826	-1.7E+07	9301809
534.7999	666275.5	-61.0104	25.67038	9437441	-1.7E+07	9298451
534.9999	666270.1	-61.0009	25.66046	9441056	-1.7E+07	9295094
535.1999	666264.7	-60.9914	25.65053	9444670	-1.7E+07	9291735
535.3999	666259.3	-60.9818	25.6406	9448284	-1.7E+07	9288376
535.5999	666253.9	-60.9723	25.63068	9451898	-1.7E+07	9285017
535.7999	666248.5	-60.9628	25.62075	9455510	-1.7E+07	9281657
535.9999	666243.1	-60.9532	25.61082	9459123	-1.7E+07	9278296
536.1999	666237.8	-60.9437	25.60089	9462734	-1.7E+07	9274935
536.3999	666232.4	-60.9342	25.59096	9466346	-1.7E+07	9271573
536.5999	666227.1	-60.9246	25.58103	9469956	-1.7E+07	9268211
536.7999	666221.8	-60.9151	25.57109	9473567	-1.7E+07	9264849
536.9999	666216.5	-60.9056	25.56116	9477176	-1.7E+07	9261486
537.1999	666211.2	-60.8961	25.55123	9480786	-1.7E+07	9258122
537.3999	666205.9	-60.8866	25.54129	9484394	-1.7E+07	9254758

537.5999	666200.6	-60.877	25.53136	9488002	-1.7E+07	9251393
537.7999	666195.3	-60.8675	25.52142	9491610	-1.7E+07	9248028
537.9999	666190	-60.858	25.51149	9495217	-1.7E+07	9244662
538.1999	666184.8	-60.8485	25.50155	9498824	-1.7E+07	9241296
538.3999	666179.5	-60.839	25.49161	9502430	-1.7E+07	9237929
538.5999	666174.3	-60.8295	25.48167	9506035	-1.7E+07	9234562
538.7999	666169.1	-60.82	25.47173	9509640	-1.7E+07	9231194
538.9999	666163.9	-60.8105	25.46179	9513244	-1.7E+07	9227825
539.1999	666158.7	-60.801	25.45185	9516848	-1.7E+07	9224457
539.3999	666153.5	-60.7915	25.44191	9520452	-1.7E+07	9221087
539.5999	666148.3	-60.782	25.43197	9524055	-1.7E+07	9217717
539.7999	666143.1	-60.7725	25.42202	9527657	-1.7E+07	9214347
539.9999	666138	-60.763	25.41208	9531259	-1.7E+07	9210976
540.1999	666132.8	-60.7535	25.40213	9534860	-1.7E+07	9207604
540.3999	666127.7	-60.744	25.39219	9538461	-1.7E+07	9204232
540.5999	666122.6	-60.7345	25.38224	9542061	-1.7E+07	9200860
540.7999	666117.4	-60.725	25.3723	9545661	-1.7E+07	9197487
540.9999	666112.3	-60.7155	25.36235	9549260	-1.7E+07	9194113
541.1999	666107.2	-60.706	25.3524	9552859	-1.7E+07	9190739
541.3999	666102.2	-60.6966	25.34245	9556457	-1.7E+07	9187365
541.5999	666097.1	-60.6871	25.3325	9560055	-1.7E+07	9183989
541.7999	666092	-60.6776	25.32255	9563652	-1.7E+07	9180614
541.9999	666087	-60.6681	25.3126	9567248	-1.7E+07	9177238
542.1999	666081.9	-60.6586	25.30265	9570844	-1.7E+07	9173861
542.3999	666076.9	-60.6492	25.29269	9574440	-1.7E+07	9170484
542.5999	666071.9	-60.6397	25.28274	9578035	-1.7E+07	9167106
542.7999	666066.9	-60.6302	25.27279	9581629	-1.7E+07	9163728
542.9999	666061.8	-60.6207	25.26283	9585223	-1.7E+07	9160349
543.1999	666056.9	-60.6113	25.25287	9588817	-1.7E+07	9156970
543.3999	666051.9	-60.6018	25.24292	9592410	-1.7E+07	9153590
543.5999	666046.9	-60.5923	25.23296	9596002	-1.7E+07	9150210
543.7999	666041.9	-60.5829	25.223	9599594	-1.7E+07	9146829
543.9999	666037	-60.5734	25.21304	9603185	-1.7E+07	9143448
544.1999	666032.1	-60.5639	25.20308	9606776	-1.7E+07	9140066
544.3999	666027.1	-60.5545	25.19312	9610366	-1.7E+07	9136684
544.5999	666022.2	-60.545	25.18316	9613956	-1.7E+07	9133301
544.7999	666017.3	-60.5356	25.1732	9617545	-1.7E+07	9129918
544.9999	666012.4	-60.5261	25.16324	9621134	-1.7E+07	9126534
545.1999	666007.5	-60.5167	25.15328	9624722	-1.7E+07	9123149
545.3999	666002.6	-60.5072	25.14331	9628309	-1.7E+07	9119764
545.5999	665997.8	-60.4978	25.13335	9631896	-1.7E+07	9116379
545.7999	665992.9	-60.4883	25.12338	9635483	-1.7E+07	9112993
545.9999	665988.1	-60.4789	25.11342	9639069	-1.7E+07	9109607
546.1999	665983.2	-60.4694	25.10345	9642654	-1.7E+07	9106220
546.3999	665978.4	-60.46	25.09348	9646239	-1.7E+07	9102832
546.5999	665973.6	-60.4505	25.08351	9649824	-1.7E+07	9099444
546.7999	665968.8	-60.4411	25.07354	9653408	-1.7E+07	9096056

546.9999	665964	-60.4317	25.06357	9656991	-1.7E+07	9092667
547.1999	665959.2	-60.4222	25.0536	9660574	-1.7E+07	9089277
547.3999	665954.5	-60.4128	25.04363	9664156	-1.7E+07	9085887
547.5999	665949.7	-60.4034	25.03366	9667738	-1.7E+07	9082497
547.7999	665945	-60.3939	25.02369	9671319	-1.7E+07	9079106
547.9999	665940.2	-60.3845	25.01371	9674900	-1.7E+07	9075714
548.1999	665935.5	-60.3751	25.00374	9678480	-1.7E+07	9072322
548.3999	665930.8	-60.3656	24.99376	9682059	-1.7E+07	9068929
548.5999	665926.1	-60.3562	24.98379	9685638	-1.7E+07	9065536
548.7999	665921.4	-60.3468	24.97381	9689217	-1.7E+07	9062143
548.9999	665916.7	-60.3374	24.96384	9692795	-1.7E+07	9058748
549.1999	665912	-60.328	24.95386	9696373	-1.7E+07	9055354
549.3999	665907.3	-60.3185	24.94388	9699949	-1.7E+07	9051959
549.5999	665902.7	-60.3091	24.9339	9703526	-1.7E+07	9048563
549.7999	665898	-60.2997	24.92392	9707102	-1.7E+07	9045167
549.9999	665893.4	-60.2903	24.91394	9710677	-1.7E+07	9041770
550.1999	665888.8	-60.2809	24.90396	9714252	-1.7E+07	9038373
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550.7999	665875	-60.2527	24.87401	9724973	-1.7E+07	9028178
550.9999	665870.4	-60.2432	24.86403	9728546	-1.7E+07	9024779
551.1999	665865.8	-60.2338	24.85404	9732118	-1.7E+07	9021379
551.3999	665861.3	-60.2244	24.84406	9735690	-1.7E+07	9017979
551.5999	665856.7	-60.215	24.83407	9739261	-1.7E+07	9014578
551.7999	665852.2	-60.2056	24.82408	9742831	-1.7E+07	9011177
551.9999	665847.6	-60.1962	24.81409	9746401	-1.7E+07	9007775
552.1999	665843.1	-60.1869	24.80411	9749971	-1.7E+07	9004373
552.3999	665838.6	-60.1775	24.79412	9753540	-1.7E+07	9000970
552.5999	665834.1	-60.1681	24.78413	9757108	-1.7E+07	8997567
552.7999	665829.6	-60.1587	24.77414	9760676	-1.7E+07	8994163
552.9999	665825.2	-60.1493	24.76414	9764243	-1.7E+07	8990759
553.1999	665820.7	-60.1399	24.75415	9767810	-1.7E+07	8987354
553.3999	665816.2	-60.1305	24.74416	9771376	-1.7E+07	8983949
553.5999	665811.8	-60.1211	24.73417	9774942	-1.7E+07	8980543
553.7999	665807.4	-60.1118	24.72417	9778507	-1.7E+07	8977137
553.9999	665802.9	-60.1024	24.71418	9782072	-1.7E+07	8973730
554.1999	665798.5	-60.093	24.70418	9785636	-1.7E+07	8970323
554.3999	665794.1	-60.0836	24.69418	9789199	-1.7E+07	8966915
554.5999	665789.7	-60.0742	24.68419	9792762	-1.7E+07	8963507
554.7999	665785.4	-60.0649	24.67419	9796325	-1.7E+07	8960098
554.9999	665781	-60.0555	24.66419	9799887	-1.7E+07	8956688
555.1999	665776.6	-60.0461	24.65419	9803448	-1.7E+07	8953278
555.3999	665772.3	-60.0368	24.64419	9807009	-1.7E+07	8949868
555.5999	665768	-60.0274	24.63419	9810570	-1.7E+07	8946457
555.7999	665763.6	-60.018	24.62419	9814129	-1.7E+07	8943046
555.9999	665759.3	-60.0087	24.61419	9817689	-1.7E+07	8939634
556.1999	665755	-59.9993	24.60419	9821247	-1.7E+07	8936222

556.3999	665750.7	-59.9899	24.59418	9824805	-1.7E+07	8932809
556.5999	665746.4	-59.9806	24.58418	9828363	-1.7E+07	8929395
556.7999	665742.2	-59.9712	24.57417	9831920	-1.7E+07	8925981
556.9999	665737.9	-59.9619	24.56417	9835477	-1.7E+07	8922567
557.1999	665733.6	-59.9525	24.55416	9839033	-1.7E+07	8919152
557.3999	665729.4	-59.9431	24.54415	9842588	-1.7E+07	8915737
557.5999	665725.2	-59.9338	24.53415	9846143	-1.7E+07	8912321
557.7999	665721	-59.9244	24.52414	9849697	-1.7E+07	8908905
557.9999	665716.7	-59.9151	24.51413	9853251	-1.7E+07	8905488
558.1999	665712.5	-59.9058	24.50412	9856805	-1.7E+07	8902070
558.3999	665708.4	-59.8964	24.49411	9860357	-1.7E+07	8898652
558.5999	665704.2	-59.8871	24.4841	9863910	-1.7E+07	8895234
558.7999	665700	-59.8777	24.47409	9867461	-1.7E+07	8891815
558.9999	665695.9	-59.8684	24.46407	9871012	-1.7E+07	8888396
559.1999	665691.7	-59.859	24.45406	9874563	-1.7E+07	8884976
559.3999	665687.6	-59.8497	24.44405	9878113	-1.7E+07	8881555
559.5999	665683.5	-59.8404	24.43403	9881663	-1.7E+07	8878134
559.7999	665679.3	-59.831	24.42402	9885212	-1.7E+07	8874713
559.9999	665675.2	-59.8217	24.414	9888760	-1.7E+07	8871291
560.1999	665671.2	-59.8124	24.40398	9892308	-1.7E+07	8867869
560.3999	665667.1	-59.803	24.39397	9895855	-1.7E+07	8864446
560.5999	665663	-59.7937	24.38395	9899402	-1.7E+07	8861022
560.7999	665658.9	-59.7844	24.37393	9902948	-1.7E+07	8857598
560.9999	665654.9	-59.7751	24.36391	9906494	-1.7E+07	8854174
561.1999	665650.9	-59.7657	24.35389	9910039	-1.7E+07	8850749
561.3999	665646.8	-59.7564	24.34387	9913584	-1.7E+07	8847324
561.5999	665642.8	-59.7471	24.33385	9917128	-1.7E+07	8843898
561.7999	665638.8	-59.7378	24.32382	9920671	-1.7E+07	8840471
561.9999	665634.8	-59.7285	24.3138	9924214	-1.7E+07	8837045
562.1999	665630.8	-59.7192	24.30378	9927757	-1.7E+07	8833617
562.3999	665626.8	-59.7098	24.29375	9931299	-1.7E+07	8830189
562.5999	665622.9	-59.7005	24.28373	9934840	-1.7E+07	8826761
562.7999	665618.9	-59.6912	24.2737	9938381	-1.7E+07	8823332
562.9999	665615	-59.6819	24.26367	9941921	-1.7E+07	8819903
563.1999	665611.1	-59.6726	24.25365	9945461	-1.7E+07	8816473
563.3999	665607.1	-59.6633	24.24362	9949000	-1.7E+07	8813042
563.5999	665603.2	-59.654	24.23359	9952539	-1.7E+07	8809611
563.7999	665599.3	-59.6447	24.22356	9956077	-1.7E+07	8806180
563.9999	665595.4	-59.6354	24.21353	9959614	-1.7E+07	8802748
564.1999	665591.6	-59.6261	24.2035	9963151	-1.7E+07	8799316
564.3999	665587.7	-59.6168	24.19347	9966688	-1.7E+07	8795883
564.5999	665583.8	-59.6075	24.18344	9970224	-1.7E+07	8792450
564.7999	665580	-59.5982	24.17341	9973759	-1.7E+07	8789016
564.9999	665576.2	-59.5889	24.16337	9977294	-1.7E+07	8785581
565.1999	665572.3	-59.5796	24.15334	9980828	-1.7E+07	8782147
565.3999	665568.5	-59.5703	24.1433	9984362	-1.7E+07	8778711
565.5999	665564.7	-59.5611	24.13327	9987895	-1.7E+07	8775275

565.7999	665560.9	-59.5518	24.12323	9991427	-1.7E+07	8771839
565.9999	665557.2	-59.5425	24.11319	9994959	-1.7E+07	8768402
566.1999	665553.4	-59.5332	24.10316	9998491	-1.7E+07	8764965
566.3999	665549.6	-59.5239	24.09312	10002022	-1.7E+07	8761527
566.5999	665545.9	-59.5146	24.08308	10005552	-1.7E+07	8758089
566.7999	665542.1	-59.5054	24.07304	10009082	-1.7E+07	8754650
566.9999	665538.4	-59.4961	24.063	10012611	-1.7E+07	8751211
567.1999	665534.7	-59.4868	24.05296	10016140	-1.7E+07	8747771
567.3999	665531	-59.4775	24.04292	10019668	-1.7E+07	8744331
567.5999	665527.3	-59.4683	24.03287	10023196	-1.7E+07	8740890
567.7999	665523.6	-59.459	24.02283	10026723	-1.7E+07	8737449
567.9999	665519.9	-59.4497	24.01279	10030250	-1.7E+07	8734007
568.1999	665516.3	-59.4405	24.00274	10033776	-1.7E+07	8730565
568.3999	665512.6	-59.4312	23.9927	10037301	-1.7E+07	8727122
568.5999	665509	-59.4219	23.98265	10040826	-1.7E+07	8723679
568.7999	665505.4	-59.4127	23.97261	10044351	-1.7E+07	8720235
568.9999	665501.7	-59.4034	23.96256	10047874	-1.7E+07	8716791
569.1999	665498.1	-59.3941	23.95251	10051398	-1.7E+07	8713346
569.3999	665494.5	-59.3849	23.94246	10054920	-1.7E+07	8709901
569.5999	665490.9	-59.3756	23.93241	10058443	-1.7E+07	8706455
569.7999	665487.4	-59.3664	23.92236	10061964	-1.7E+07	8703009
569.9999	665483.8	-59.3571	23.91231	10065485	-1.7E+07	8699563
570.1999	665480.2	-59.3479	23.90226	10069006	-1.7E+07	8696115
570.3999	665476.7	-59.3386	23.89221	10072526	-1.7E+07	8692668
570.5999	665473.2	-59.3294	23.88216	10076045	-1.7E+07	8689220
570.7999	665469.6	-59.3201	23.87211	10079564	-1.7E+07	8685771
570.9999	665466.1	-59.3109	23.86205	10083082	-1.7E+07	8682322
571.1999	665462.6	-59.3016	23.852	10086600	-1.7E+07	8678872
571.3999	665459.1	-59.2924	23.84194	10090117	-1.7E+07	8675422
571.5999	665455.7	-59.2831	23.83189	10093634	-1.7E+07	8671972
571.7999	665452.2	-59.2739	23.82183	10097150	-1.7E+07	8668521
571.9999	665448.7	-59.2647	23.81177	10100665	-1.7E+07	8665069
572.1999	665445.3	-59.2554	23.80171	10104180	-1.7E+07	8661617
572.3999	665441.9	-59.2462	23.79166	10107695	-1.7E+07	8658165
572.5999	665438.4	-59.237	23.7816	10111209	-1.7E+07	8654712
572.7999	665435	-59.2277	23.77154	10114722	-1.7E+07	8651258
572.9999	665431.6	-59.2185	23.76148	10118235	-1.7E+07	8647804
573.1999	665428.2	-59.2093	23.75141	10121747	-1.7E+07	8644350
573.3999	665424.8	-59.2	23.74135	10125259	-1.7E+07	8640895
573.5999	665421.5	-59.1908	23.73129	10128770	-1.7E+07	8637439
573.7999	665418.1	-59.1816	23.72123	10132280	-1.7E+07	8633983
573.9999	665414.8	-59.1724	23.71116	10135790	-1.7E+07	8630527
574.1999	665411.4	-59.1632	23.7011	10139300	-1.7E+07	8627070
574.3999	665408.1	-59.1539	23.69103	10142809	-1.7E+07	8623613
574.5999	665404.8	-59.1447	23.68097	10146317	-1.7E+07	8620155
574.7999	665401.5	-59.1355	23.6709	10149825	-1.7E+07	8616696
574.9999	665398.2	-59.1263	23.66083	10153332	-1.7E+07	8613237

575.1999	665394.9	-59.1171	23.65077	10156839	-1.7E+07	8609778
575.3999	665391.6	-59.1079	23.6407	10160345	-1.7E+07	8606318
575.5999	665388.4	-59.0987	23.63063	10163850	-1.7E+07	8602858
575.7999	665385.1	-59.0894	23.62056	10167355	-1.7E+07	8599397
575.9999	665381.9	-59.0802	23.61049	10170860	-1.7E+07	8595936
576.1999	665378.6	-59.071	23.60042	10174364	-1.7E+07	8592474
576.3999	665375.4	-59.0618	23.59034	10177867	-1.7E+07	8589012
576.5999	665372.2	-59.0526	23.58027	10181370	-1.7E+07	8585549
576.7999	665369	-59.0434	23.5702	10184872	-1.7E+07	8582086
576.9999	665365.8	-59.0342	23.56012	10188373	-1.7E+07	8578622
577.1999	665362.7	-59.025	23.55005	10191875	-1.7E+07	8575158
577.3999	665359.5	-59.0158	23.53997	10195375	-1.7E+07	8571694
577.5999	665356.3	-59.0066	23.5299	10198875	-1.7E+07	8568228
577.7999	665353.2	-58.9974	23.51982	10202374	-1.7E+07	8564763
577.9999	665350.1	-58.9883	23.50975	10205873	-1.7E+07	8561297
578.1999	665346.9	-58.9791	23.49967	10209372	-1.7E+07	8557830
578.3999	665343.8	-58.9699	23.48959	10212869	-1.7E+07	8554363
578.5999	665340.7	-58.9607	23.47951	10216367	-1.7E+07	8550895
578.7999	665337.6	-58.9515	23.46943	10219863	-1.7E+07	8547427
578.9999	665334.6	-58.9423	23.45935	10223359	-1.7E+07	8543959
579.1999	665331.5	-58.9331	23.44927	10226855	-1.7E+07	8540490
579.3999	665328.4	-58.924	23.43919	10230350	-1.7E+07	8537020
579.5999	665325.4	-58.9148	23.4291	10233844	-1.7E+07	8533550
579.7999	665322.4	-58.9056	23.41902	10237338	-1.7E+07	8530080
579.9999	665319.3	-58.8964	23.40894	10240831	-1.7E+07	8526609
580.1999	665316.3	-58.8872	23.39885	10244324	-1.7E+07	8523138
580.3999	665313.3	-58.8781	23.38877	10247816	-1.7E+07	8519666
580.5999	665310.3	-58.8689	23.37868	10251307	-1.7E+07	8516194
580.7999	665307.4	-58.8597	23.3686	10254798	-1.7E+07	8512721
580.9999	665304.4	-58.8506	23.35851	10258289	-1.7E+07	8509247
581.1999	665301.4	-58.8414	23.34842	10261779	-1.7E+07	8505774
581.3999	665298.5	-58.8322	23.33833	10265268	-1.7E+07	8502299
581.5999	665295.6	-58.8231	23.32824	10268757	-1.7E+07	8498825
581.7999	665292.6	-58.8139	23.31815	10272245	-1.7E+07	8495349
581.9999	665289.7	-58.8047	23.30806	10275733	-1.7E+07	8491874
582.1999	665286.8	-58.7956	23.29797	10279220	-1.7E+07	8488397
582.3999	665283.9	-58.7864	23.28788	10282706	-1.7E+07	8484921
582.5999	665281	-58.7773	23.27779	10286192	-1.7E+07	8481444
582.7999	665278.2	-58.7681	23.2677	10289678	-1.7E+07	8477966
582.9999	665275.3	-58.7589	23.2576	10293163	-1.7E+07	8474488
583.1999	665272.5	-58.7498	23.24751	10296647	-1.7E+07	8471009
583.3999	665269.6	-58.7406	23.23741	10300131	-1.7E+07	8467530
583.5999	665266.8	-58.7315	23.22732	10303614	-1.7E+07	8464051
583.7999	665264	-58.7223	23.21722	10307096	-1.7E+07	8460571
583.9999	665261.2	-58.7132	23.20712	10310578	-1.7E+07	8457090
584.1999	665258.4	-58.7041	23.19703	10314060	-1.7E+07	8453609
584.3999	665255.6	-58.6949	23.18693	10317541	-1.7E+07	8450128

584.5999	665252.8	-58.6858	23.17683	10321021	-1.7E+07	8446646
584.7999	665250.1	-58.6766	23.16673	10324501	-1.7E+07	8443164
584.9999	665247.3	-58.6675	23.15663	10327980	-1.7E+07	8439681
585.1999	665244.6	-58.6584	23.14653	10331458	-1.7E+07	8436197
585.3999	665241.9	-58.6492	23.13643	10334937	-1.7E+07	8432714
585.5999	665239.1	-58.6401	23.12633	10338414	-1.7E+07	8429229
585.7999	665236.4	-58.6309	23.11622	10341891	-1.7E+07	8425745
585.9999	665233.7	-58.6218	23.10612	10345367	-1.7E+07	8422259
586.1999	665231	-58.6127	23.09602	10348843	-1.7E+07	8418774
586.3999	665228.4	-58.6036	23.08591	10352318	-1.7E+07	8415287
586.5999	665225.7	-58.5944	23.07581	10355793	-1.7E+07	8411801
586.7999	665223.1	-58.5853	23.0657	10359267	-1.7E+07	8408314
586.9999	665220.4	-58.5762	23.0556	10362741	-1.7E+07	8404826
587.1999	665217.8	-58.5671	23.04549	10366214	-1.7E+07	8401338
587.3999	665215.2	-58.5579	23.03538	10369686	-1.7E+07	8397849
587.5999	665212.6	-58.5488	23.02527	10373158	-1.7E+07	8394360
587.7999	665210	-58.5397	23.01516	10376629	-1.7E+07	8390871
587.9999	665207.4	-58.5306	23.00505	10380100	-1.7E+07	8387381
588.1999	665204.8	-58.5215	22.99494	10383570	-1.7E+07	8383891
588.3999	665202.2	-58.5124	22.98483	10387040	-1.7E+07	8380400
588.5999	665199.7	-58.5032	22.97472	10390509	-1.7E+07	8376908
588.7999	665197.2	-58.4941	22.96461	10393977	-1.7E+07	8373416
588.9999	665194.6	-58.485	22.9545	10397445	-1.7E+07	8369924
589.0499	665194	-58.4827	22.95197	10398312	-1.7E+07	8369051
589.1999	665192.1	-58.4759	22.94438	10400912	-1.7E+07	8366431
589.2499	665191.5	-58.4736	22.94185	10401779	-1.7E+07	8365558
589.3999	665189.6	-58.4668	22.93427	10404379	-1.7E+07	8362938
589.5999	665187.1	-58.4577	22.92415	10407845	-1.7E+07	8359444
589.7999	665184.6	-58.4486	22.91404	10411311	-1.7E+07	8355950
589.9999	665182.1	-58.4395	22.90392	10414776	-1.7E+07	8352455
590.1999	665179.7	-58.4304	22.89381	10418240	-1.7E+07	8348960
590.3999	665177.2	-58.4213	22.88369	10421704	-1.7E+07	8345465
590.5999	665174.8	-58.4122	22.87357	10425167	-1.7E+07	8341969
590.7999	665172.3	-58.4031	22.86345	10428630	-1.7E+07	8338472
590.9999	665169.9	-58.394	22.85333	10432092	-1.7E+07	8334975
591.1999	665167.5	-58.3849	22.84321	10435554	-1.7E+07	8331477
591.3999	665165.1	-58.3758	22.83309	10439015	-1.7E+07	8327979
591.5999	665162.7	-58.3667	22.82297	10442475	-1.7E+07	8324481
591.7999	665160.3	-58.3576	22.81285	10445935	-1.7E+07	8320982
591.9999	665158	-58.3486	22.80273	10449394	-1.7E+07	8317483
592.1999	665155.6	-58.3395	22.7926	10452853	-1.7E+07	8313983
592.3999	665153.3	-58.3304	22.78248	10456311	-1.7E+07	8310483
592.5999	665151	-58.3213	22.77236	10459769	-1.7E+07	8306982
592.7999	665148.6	-58.3122	22.76223	10463226	-1.7E+07	8303481
592.9999	665146.3	-58.3031	22.75211	10466682	-1.7E+07	8299979
593.1999	665144	-58.2941	22.74198	10470138	-1.7E+07	8296477
593.3999	665141.7	-58.285	22.73185	10473594	-1.7E+07	8292974

593.5999	665139.5	-58.2759	22.72173	10477048	-1.7E+07	8289471
593.7999	665137.2	-58.2668	22.7116	10480503	-1.7E+07	8285967
593.9999	665134.9	-58.2578	22.70147	10483956	-1.7E+07	8282463
594.1999	665132.7	-58.2487	22.69134	10487409	-1.7E+07	8278959
594.3999	665130.5	-58.2396	22.68121	10490862	-1.7E+07	8275454
594.5999	665128.2	-58.2306	22.67108	10494314	-1.7E+07	8271948
594.7999	665126	-58.2215	22.66095	10497765	-1.7E+07	8268442
594.9999	665123.8	-58.2124	22.65082	10501216	-1.7E+07	8264936
595.1999	665121.6	-58.2034	22.64069	10504666	-1.7E+07	8261429
595.3999	665119.5	-58.1943	22.63055	10508115	-1.7E+07	8257922
595.5999	665117.3	-58.1852	22.62042	10511564	-1.7E+07	8254414
595.7999	665115.1	-58.1762	22.61028	10515013	-1.7E+07	8250906
595.9999	665113	-58.1671	22.60015	10518461	-1.7E+07	8247397
596.1999	665110.9	-58.1581	22.59001	10521908	-1.7E+07	8243888
596.3999	665108.7	-58.149	22.57988	10525355	-1.7E+07	8240378
596.5999	665106.6	-58.1399	22.56974	10528801	-1.7E+07	8236868
596.7999	665104.5	-58.1309	22.5596	10532246	-1.7E+07	8233358
596.9999	665102.4	-58.1218	22.54947	10535691	-1.7E+07	8229847
597.1999	665100.3	-58.1128	22.53933	10539136	-1.7E+07	8226335
597.3999	665098.3	-58.1037	22.52919	10542580	-1.7E+07	8222823
597.5999	665096.2	-58.0947	22.51905	10546023	-1.7E+07	8219311
597.7999	665094.2	-58.0857	22.50891	10549466	-1.7E+07	8215798
597.9999	665092.1	-58.0766	22.49877	10552908	-1.7E+07	8212285
598.1999	665090.1	-58.0676	22.48863	10556349	-1.7E+07	8208771
598.3999	665088.1	-58.0585	22.47848	10559790	-1.7E+07	8205257
598.4999	665087.1	-58.054	22.47341	10561511	-1.7E+07	8203499
598.5999	665086.1	-58.0495	22.46834	10563231	-1.7E+07	8201742
598.7999	665084.1	-58.0404	22.4582	10566671	-1.7E+07	8198227
598.9999	665082	-58.0314	22.44808	10570101	-1.7E+07	8194719
599.1999	665080	-58.0224	22.43793	10573540	-1.7E+07	8191204
599.3999	665078.1	-58.0134	22.42779	10576977	-1.7E+07	8187687
599.5999	665076.1	-58.0043	22.41764	10580415	-1.7E+07	8184170
599.7999	665074.2	-57.9953	22.4075	10583851	-1.7E+07	8180653
599.9999	665072.3	-57.9863	22.39735	10587287	-1.7E+07	8177135
600.1999	665070.4	-57.9772	22.3872	10590723	-1.7E+07	8173617
600.3999	665068.4	-57.9682	22.37706	10594158	-1.7E+07	8170099
600.5999	665066.6	-57.9592	22.36691	10597592	-1.7E+07	8166580
600.7999	665064.7	-57.9502	22.35676	10601026	-1.7E+07	8163060
600.9999	665062.8	-57.9412	22.34661	10604459	-1.7E+07	8159540
601.1999	665060.9	-57.9321	22.33646	10607892	-1.7E+07	8156020
601.3999	665059.1	-57.9231	22.32631	10611324	-1.7E+07	8152499
601.5999	665057.2	-57.9141	22.31616	10614755	-1.7E+07	8148977
601.7999	665055.4	-57.9051	22.306	10618186	-1.7E+07	8145455
601.9999	665053.6	-57.8961	22.29585	10621617	-1.7E+07	8141933
602.1999	665051.8	-57.8871	22.2857	10625046	-1.7E+07	8138410
602.3999	665050	-57.878	22.27554	10628476	-1.7E+07	8134887
602.5999	665048.2	-57.869	22.26539	10631904	-1.7E+07	8131363

602.7999	665046.4	-57.86	22.25523	10635332	-1.7E+07	8127839
602.9999	665044.7	-57.851	22.24508	10638760	-1.7E+07	8124315
603.1999	665042.9	-57.842	22.23492	10642187	-1.7E+07	8120790
603.3999	665041.2	-57.833	22.22477	10645613	-1.7E+07	8117264
603.5999	665039.4	-57.824	22.21461	10649039	-1.7E+07	8113738
603.7999	665037.7	-57.815	22.20445	10652464	-1.7E+07	8110212
603.9999	665036	-57.806	22.19429	10655888	-1.7E+07	8106685
604.1999	665034.3	-57.797	22.18413	10659312	-1.7E+07	8103158
604.3999	665032.6	-57.788	22.17397	10662736	-1.7E+07	8099630
604.5999	665030.9	-57.779	22.16381	10666159	-1.7E+07	8096102
604.7999	665029.3	-57.77	22.15365	10669581	-1.7E+07	8092573
604.9999	665027.6	-57.761	22.14349	10673003	-1.7E+07	8089044
605.1999	665026	-57.752	22.13333	10676424	-1.7E+07	8085514
605.3999	665024.3	-57.743	22.12316	10679845	-1.7E+07	8081984
605.5999	665022.7	-57.734	22.113	10683265	-1.7E+07	8078454
605.7999	665021.1	-57.7251	22.10284	10686684	-1.7E+07	8074923
605.9999	665019.5	-57.7161	22.09267	10690103	-1.7E+07	8071391
606.1999	665017.9	-57.7071	22.08251	10693521	-1.7E+07	8067859
606.3999	665016.3	-57.6981	22.07234	10696939	-1.7E+07	8064327
606.5999	665014.8	-57.6891	22.06217	10700356	-1.7E+07	8060794
606.7999	665013.2	-57.6801	22.05201	10703772	-1.7E+07	8057261
606.9999	665011.7	-57.6712	22.04184	10707188	-1.7E+07	8053727
607.1999	665010.1	-57.6622	22.03167	10710604	-1.7E+07	8050193
607.3999	665008.6	-57.6532	22.0215	10714018	-1.7E+07	8046659
607.5999	665007.1	-57.6442	22.01133	10717433	-1.7E+07	8043124
607.7999	665005.6	-57.6352	22.00116	10720846	-1.7E+07	8039588
607.9999	665004.1	-57.6263	21.99099	10724259	-1.7E+07	8036052
608.1999	665002.6	-57.6173	21.98082	10727672	-1.7E+07	8032516
608.3999	665001.2	-57.6083	21.97065	10731083	-1.7E+07	8028979
608.5999	664999.7	-57.5994	21.96048	10734495	-1.7E+07	8025442
608.7999	664998.3	-57.5904	21.9503	10737905	-1.7E+07	8021904
608.9999	664996.8	-57.5814	21.94013	10741316	-1.7E+07	8018366
609.0016	664996.8	-57.5814	21.94005	10741344	-1.7E+07	8018336
609.1999	664995.4	-57.5725	21.92996	10744725	-1.7E+07	8014827
609.3999	664994	-57.5635	21.91978	10748134	-1.7E+07	8011288
609.5999	664992.6	-57.5545	21.90961	10751542	-1.7E+07	8007748
609.7999	664991.2	-57.5456	21.89943	10754950	-1.7E+07	8004208
609.9999	664989.8	-57.5366	21.88925	10758357	-1.7E+07	8000668
610.1999	664988.5	-57.5277	21.87908	10761764	-1.7E+07	7997127
610.3999	664987.1	-57.5187	21.8689	10765170	-1.7E+07	7993586
610.5999	664985.8	-57.5097	21.85872	10768575	-1.7E+07	7990044
610.7999	664984.4	-57.5008	21.84854	10771980	-1.7E+07	7986501
610.9999	664983.1	-57.4918	21.83836	10775385	-1.7E+07	7982959
611.1999	664981.8	-57.4829	21.82818	10778788	-1.7E+07	7979416
611.3999	664980.5	-57.4739	21.818	10782191	-1.7E+07	7975872
611.5999	664979.2	-57.465	21.80782	10785594	-1.7E+07	7972328
611.7999	664977.9	-57.456	21.79764	10788996	-1.7E+07	7968783

611.9999	664976.7	-57.4471	21.78745	10792397	-1.7E+07	7965238
612.1999	664975.4	-57.4382	21.77727	10795798	-1.7E+07	7961693
612.3999	664974.2	-57.4292	21.76709	10799198	-1.7E+07	7958147
612.5999	664972.9	-57.4203	21.7569	10802598	-1.7E+07	7954601
612.7999	664971.7	-57.4113	21.74672	10805997	-1.7E+07	7951054
612.9999	664970.5	-57.4024	21.73653	10809395	-1.7E+07	7947507
613.1999	664969.3	-57.3935	21.72635	10812793	-1.7E+07	7943959
613.3999	664968.1	-57.3845	21.71616	10816190	-1.7E+07	7940411
613.5999	664966.9	-57.3756	21.70597	10819587	-1.7E+07	7936863
613.7999	664965.7	-57.3667	21.69578	10822983	-1.7E+07	7933314
613.9999	664964.6	-57.3577	21.68559	10826379	-1.7E+07	7929764
614.1999	664963.4	-57.3488	21.67541	10829774	-1.7E+07	7926214
614.3999	664962.3	-57.3399	21.66522	10833168	-1.7E+07	7922664
614.5999	664961.2	-57.3309	21.65503	10836562	-1.7E+07	7919113
614.7999	664960.1	-57.322	21.64484	10839955	-1.7E+07	7915562
614.9999	664959	-57.3131	21.63464	10843347	-1.7E+07	7912010
615.1999	664957.9	-57.3042	21.62445	10846739	-1.7E+07	7908458
615.3999	664956.8	-57.2952	21.61426	10850131	-1.7E+07	7904906
615.5999	664955.7	-57.2863	21.60407	10853522	-1.7E+07	7901353
615.7999	664954.7	-57.2774	21.59387	10856912	-1.7E+07	7897799
615.9999	664953.6	-57.2685	21.58368	10860301	-1.7E+07	7894245
616.1999	664952.6	-57.2596	21.57348	10863690	-1.7E+07	7890691
616.3999	664951.6	-57.2506	21.56329	10867079	-1.7E+07	7887136
616.5999	664950.5	-57.2417	21.55309	10870467	-1.7E+07	7883581
616.7999	664949.5	-57.2328	21.5429	10873854	-1.7E+07	7880025
616.9999	664948.6	-57.2239	21.5327	10877241	-1.7E+07	7876469
617.1999	664947.6	-57.215	21.5225	10880627	-1.7E+07	7872913
617.3999	664946.6	-57.2061	21.5123	10884012	-1.7E+07	7869356
617.5999	664945.7	-57.1972	21.5021	10887397	-1.7E+07	7865798
617.7999	664944.7	-57.1883	21.4919	10890782	-1.7E+07	7862241
617.9999	664943.8	-57.1794	21.4817	10894165	-1.7E+07	7858682
618.1999	664942.9	-57.1705	21.4715	10897549	-1.7E+07	7855123
618.3999	664941.9	-57.1616	21.4613	10900931	-1.7E+07	7851564
618.5999	664941	-57.1527	21.4511	10904313	-1.7E+07	7848005
618.7999	664940.2	-57.1438	21.4409	10907695	-1.7E+07	7844444
618.9999	664939.3	-57.1349	21.43069	10911075	-1.7E+07	7840884
619.1999	664938.4	-57.126	21.42049	10914456	-1.7E+07	7837323
619.3999	664937.6	-57.1171	21.41029	10917835	-1.7E+07	7833761
619.5999	664936.7	-57.1082	21.40008	10921214	-1.7E+07	7830200
619.7999	664935.9	-57.0993	21.38988	10924593	-1.7E+07	7826637
619.9999	664935.1	-57.0904	21.37967	10927971	-1.7E+07	7823074
620.1999	664934.3	-57.0815	21.36946	10931348	-1.7E+07	7819511
620.3999	664933.5	-57.0726	21.35926	10934725	-1.7E+07	7815948
620.5999	664932.7	-57.0637	21.34905	10938101	-1.7E+07	7812384
620.7999	664931.9	-57.0548	21.33884	10941476	-1.7E+07	7808819
620.9999	664931.2	-57.046	21.32863	10944851	-1.7E+07	7805254
621.1999	664930.4	-57.0371	21.31842	10948226	-1.7E+07	7801689

621.3999	664929.7	-57.0282	21.30821	10951599	-1.7E+07	7798123
621.5999	664929	-57.0193	21.298	10954972	-1.7E+07	7794557
621.7999	664928.2	-57.0104	21.28779	10958345	-1.7E+07	7790990
621.9999	664927.5	-57.0016	21.27758	10961717	-1.7E+07	7787423
622.1999	664926.8	-56.9927	21.26737	10965088	-1.7E+07	7783855
622.3999	664926.2	-56.9838	21.25716	10968459	-1.7E+07	7780287
622.5999	664925.5	-56.9749	21.24694	10971829	-1.7E+07	7776719
622.7999	664924.8	-56.9661	21.23673	10975199	-1.7E+07	7773150
622.9999	664924.2	-56.9572	21.22651	10978568	-1.7E+07	7769581
623.1999	664923.5	-56.9483	21.2163	10981936	-1.7E+07	7766011
623.3999	664922.9	-56.9395	21.20608	10985304	-1.7E+07	7762441
623.5999	664922.3	-56.9306	21.19587	10988671	-1.7E+07	7758870
623.7999	664921.7	-56.9217	21.18565	10992038	-1.7E+07	7755299
623.9999	664921.1	-56.9129	21.17543	10995404	-1.7E+07	7751727
624.1999	664920.5	-56.904	21.16522	10998769	-1.7E+07	7748156
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624.7999	664918.8	-56.8774	21.13456	11008862	-1.7E+07	7737437
624.9999	664918.3	-56.8685	21.12434	11012225	-1.7E+07	7733864
625.1999	664917.8	-56.8597	21.11412	11015587	-1.7E+07	7730289
625.3999	664917.3	-56.8508	21.1039	11018949	-1.7E+07	7726715
625.5999	664916.8	-56.842	21.09368	11022310	-1.7E+07	7723140
625.7999	664916.3	-56.8331	21.08345	11025671	-1.7E+07	7719565
625.9999	664915.8	-56.8243	21.07323	11029031	-1.7E+07	7715989
626.1999	664915.3	-56.8154	21.06301	11032390	-1.7E+07	7712413
626.3999	664914.9	-56.8066	21.05278	11035749	-1.7E+07	7708836
626.5999	664914.4	-56.7977	21.04256	11039108	-1.7E+07	7705259
626.7999	664914	-56.7889	21.03233	11042465	-1.7E+07	7701681
626.9999	664913.5	-56.78	21.02211	11045822	-1.7E+07	7698103
627.1999	664913.1	-56.7712	21.01188	11049179	-1.7E+07	7694525
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627.9999	664911.6	-56.7358	20.97097	11062598	-1.7E+07	7680207
628.1999	664911.2	-56.727	20.96074	11065952	-1.7E+07	7676626
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628.7999	664910.2	-56.7005	20.93005	11076009	-1.7E+07	7665882
628.9999	664909.9	-56.6917	20.91982	11079360	-1.7E+07	7662300
629.0499	664909.8	-56.6895	20.91726	11080197	-1.7E+07	7661404
629.1999	664909.6	-56.6828	20.90959	11082710	-1.7E+07	7658717
629.2499	664909.6	-56.6806	20.90703	11083548	-1.7E+07	7657821
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629.5999	664909.1	-56.6652	20.88913	11089409	-1.7E+07	7651550
629.7999	664908.8	-56.6563	20.87889	11092758	-1.7E+07	7647966
629.9999	664908.5	-56.6475	20.86866	11096106	-1.7E+07	7644382
630.1999	664908.3	-56.6387	20.85842	11099453	-1.7E+07	7640797

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630.5999	664907.8	-56.6211	20.83795	11106146	-1.7E+07	7633626
630.7999	664907.6	-56.6122	20.82772	11109492	-1.7E+07	7630040
630.9999	664907.4	-56.6034	20.81748	11112837	-1.7E+07	7626453
631.1999	664907.2	-56.5946	20.80724	11116182	-1.7E+07	7622866
631.3999	664907.1	-56.5858	20.79701	11119525	-1.7E+07	7619279
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631.7999	664906.8	-56.5682	20.77653	11126211	-1.7E+07	7612103
631.9999	664906.6	-56.5593	20.76629	11129553	-1.7E+07	7608514
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632.9999	664906.1	-56.5153	20.71508	11146254	-1.7E+07	7590564
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633.7999	664905.9	-56.4801	20.67411	11159604	-1.7E+07	7576197
633.9999	664905.8	-56.4713	20.66387	11162940	-1.7E+07	7572604
634.1999	664905.8	-56.4625	20.65362	11166276	-1.7E+07	7569011
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634.7999	664905.8	-56.4361	20.62288	11176278	-1.7E+07	7558228
634.9999	664905.9	-56.4273	20.61263	11179611	-1.7E+07	7554633
635.1999	664905.9	-56.4185	20.60239	11182944	-1.7E+07	7551037
635.3999	664905.9	-56.4097	20.59214	11186275	-1.7E+07	7547442
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635.7999	664906.1	-56.3922	20.57164	11192937	-1.7E+07	7540248
635.9999	664906.2	-56.3834	20.56139	11196267	-1.7E+07	7536651
636.1999	664906.3	-56.3746	20.55114	11199596	-1.7E+07	7533054
636.3999	664906.4	-56.3658	20.54089	11202925	-1.7E+07	7529456
636.5999	664906.5	-56.357	20.53064	11206253	-1.7E+07	7525857
636.7999	664906.6	-56.3482	20.52038	11209581	-1.7E+07	7522258
636.9999	664906.8	-56.3394	20.51013	11212908	-1.7E+07	7518659
637.1999	664906.9	-56.3307	20.49988	11216234	-1.7E+07	7515059
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637.5999	664907.3	-56.3131	20.47937	11222885	-1.7E+07	7507859
637.7999	664907.5	-56.3043	20.46911	11226209	-1.7E+07	7504258
637.9999	664907.7	-56.2956	20.45886	11229533	-1.7E+07	7500656
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638.5999	664908.3	-56.2693	20.42809	11239501	-1.7E+07	7489850
638.7999	664908.6	-56.2605	20.41783	11242822	-1.7E+07	7486247
638.9999	664908.8	-56.2517	20.40757	11246143	-1.7E+07	7482643
639.1999	664909.1	-56.243	20.39731	11249463	-1.7E+07	7479039
639.3999	664909.4	-56.2342	20.38705	11252783	-1.7E+07	7475435
639.5999	664909.7	-56.2254	20.3768	11256102	-1.7E+07	7471830

639.7999	664910	-56.2167	20.36653	11259420	-1.7E+07	7468225
639.9999	664910.3	-56.2079	20.35627	11262738	-1.7E+07	7464620
640.1999	664910.6	-56.1991	20.34601	11266055	-1.7E+07	7461014
640.3999	664911	-56.1904	20.33575	11269372	-1.7E+07	7457407
640.5999	664911.3	-56.1816	20.32549	11272688	-1.7E+07	7453800
640.7999	664911.7	-56.1729	20.31523	11276003	-1.7E+07	7450193
640.9999	664912	-56.1641	20.30496	11279318	-1.7E+07	7446585
641.1999	664912.4	-56.1554	20.2947	11282632	-1.7E+07	7442977
641.3999	664912.8	-56.1466	20.28443	11285946	-1.7E+07	7439369
641.5999	664913.2	-56.1379	20.27417	11289258	-1.7E+07	7435760
641.7999	664913.6	-56.1291	20.2639	11292571	-1.7E+07	7432151
641.9999	664914.1	-56.1204	20.25364	11295882	-1.7E+07	7428541
642.1999	664914.5	-56.1116	20.24337	11299193	-1.7E+07	7424931
642.3999	664914.9	-56.1029	20.2331	11302504	-1.7E+07	7421320
642.5999	664915.4	-56.0941	20.22284	11305814	-1.7E+07	7417709
642.7999	664915.9	-56.0854	20.21257	11309123	-1.7E+07	7414098
642.9999	664916.4	-56.0766	20.2023	11312432	-1.7E+07	7410486
643.1999	664916.9	-56.0679	20.19203	11315740	-1.7E+07	7406874
643.3999	664917.4	-56.0591	20.18176	11319047	-1.7E+07	7403261
643.5999	664917.9	-56.0504	20.17149	11322354	-1.7E+07	7399648
643.7999	664918.4	-56.0417	20.16122	11325660	-1.7E+07	7396034
643.9999	664919	-56.0329	20.15095	11328966	-1.7E+07	7392421
644.1999	664919.5	-56.0242	20.14067	11332270	-1.7E+07	7388806
644.3999	664920.1	-56.0155	20.1304	11335575	-1.7E+07	7385192
644.5999	664920.7	-56.0067	20.12013	11338878	-1.7E+07	7381576
644.7999	664921.2	-55.998	20.10986	11342182	-1.7E+07	7377961
644.9999	664921.8	-55.9893	20.09958	11345484	-1.7E+07	7374345
645.1999	664922.5	-55.9805	20.08931	11348786	-1.7E+07	7370729
645.3999	664923.1	-55.9718	20.07903	11352087	-1.7E+07	7367112
645.5999	664923.7	-55.9631	20.06876	11355388	-1.7E+07	7363495
645.7999	664924.4	-55.9544	20.05848	11358688	-1.7E+07	7359877
645.9999	664925	-55.9456	20.0482	11361987	-1.7E+07	7356259
646.1999	664925.7	-55.9369	20.03793	11365286	-1.7E+07	7352640
646.3999	664926.4	-55.9282	20.02765	11368584	-1.7E+07	7349022
646.5999	664927.1	-55.9195	20.01737	11371882	-1.7E+07	7345402
646.7999	664927.8	-55.9108	20.00709	11375179	-1.7E+07	7341783
646.9999	664928.5	-55.902	19.99681	11378475	-1.7E+07	7338163
647.1999	664929.2	-55.8933	19.98653	11381771	-1.7E+07	7334542
647.3999	664929.9	-55.8846	19.97625	11385066	-1.7E+07	7330921
647.5999	664930.7	-55.8759	19.96597	11388361	-1.7E+07	7327300
647.7999	664931.4	-55.8672	19.95569	11391654	-1.7E+07	7323678
647.9999	664932.2	-55.8585	19.94541	11394948	-1.7E+07	7320056
648.1999	664933	-55.8498	19.93513	11398240	-1.7E+07	7316433
648.3999	664933.8	-55.8411	19.92484	11401532	-1.7E+07	7312811
648.5999	664934.6	-55.8323	19.91456	11404824	-1.7E+07	7309187
648.7999	664935.4	-55.8236	19.90428	11408115	-1.7E+07	7305563
648.9999	664936.2	-55.8149	19.89399	11411405	-1.7E+07	7301939

649.1999	664937.1	-55.8062	19.88371	11414694	-1.7E+07	7298315
649.3999	664937.9	-55.7975	19.87342	11417983	-1.7E+07	7294690
649.5999	664938.8	-55.7888	19.86314	11421272	-1.7E+07	7291064
649.7999	664939.7	-55.7801	19.85285	11424559	-1.7E+07	7287438
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650.1999	664941.4	-55.7627	19.83228	11431133	-1.7E+07	7280186
650.3999	664942.3	-55.754	19.82199	11434419	-1.7E+07	7276558
650.5999	664943.3	-55.7453	19.8117	11437704	-1.7E+07	7272931
650.7999	664944.2	-55.7366	19.80141	11440989	-1.7E+07	7269303
650.9999	664945.1	-55.728	19.79112	11444273	-1.7E+07	7265675
651.1999	664946.1	-55.7193	19.78083	11447556	-1.7E+07	7262046
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651.5999	664948	-55.7019	19.76025	11454121	-1.7E+07	7254788
651.7999	664949	-55.6932	19.74996	11457402	-1.7E+07	7251158
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652.1999	664951	-55.6758	19.72937	11463964	-1.7E+07	7243897
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652.7999	664954.2	-55.6498	19.69849	11473801	-1.7E+07	7233002
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653.1999	664956.3	-55.6324	19.6779	11480356	-1.7E+07	7225737
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653.7999	664959.6	-55.6064	19.64702	11490184	-1.7E+07	7214836
653.9999	664960.7	-55.5977	19.63672	11493458	-1.7E+07	7211202
654.1999	664961.8	-55.589	19.62642	11496732	-1.7E+07	7207567
654.3999	664962.9	-55.5804	19.61612	11500006	-1.7E+07	7203932
654.5999	664964.1	-55.5717	19.60582	11503279	-1.7E+07	7200297
654.7999	664965.3	-55.563	19.59553	11506551	-1.7E+07	7196661
654.9999	664966.4	-55.5543	19.58523	11509822	-1.7E+07	7193024
655.1999	664967.6	-55.5457	19.57493	11513093	-1.7E+07	7189388
655.3999	664968.8	-55.537	19.56462	11516364	-1.7E+07	7185750
655.5999	664970	-55.5283	19.55432	11519634	-1.7E+07	7182113
655.7999	664971.2	-55.5197	19.54402	11522903	-1.7E+07	7178475
655.9999	664972.5	-55.511	19.53372	11526171	-1.7E+07	7174836
656.1999	664973.7	-55.5024	19.52342	11529439	-1.7E+07	7171198
656.3999	664975	-55.4937	19.51311	11532706	-1.7E+07	7167558
656.5999	664976.2	-55.485	19.50281	11535973	-1.7E+07	7163919
656.7999	664977.5	-55.4764	19.49251	11539239	-1.7E+07	7160279
656.9999	664978.8	-55.4677	19.4822	11542504	-1.7E+07	7156638
657.1999	664980.1	-55.4591	19.4719	11545769	-1.7E+07	7152998
657.3999	664981.4	-55.4504	19.46159	11549033	-1.7E+07	7149357
657.5999	664982.8	-55.4418	19.45128	11552297	-1.7E+07	7145715
657.7999	664984.1	-55.4331	19.44098	11555559	-1.7E+07	7142073
657.9999	664985.4	-55.4245	19.43067	11558822	-1.7E+07	7138431
658.1999	664986.8	-55.4158	19.42036	11562083	-1.7E+07	7134788
658.3999	664988.2	-55.4072	19.41006	11565344	-1.7E+07	7131145

658.5999	664989.6	-55.3985	19.39975	11568605	-1.7E+07	7127501
658.7999	664990.9	-55.3899	19.38944	11571865	-1.7E+07	7123857
658.9999	664992.4	-55.3812	19.37913	11575124	-1.7E+07	7120213
659.1999	664993.8	-55.3726	19.36882	11578382	-1.7E+07	7116568
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659.7999	664998.1	-55.3467	19.33788	11588154	-1.7E+07	7105631
659.9999	664999.6	-55.338	19.32757	11591410	-1.7E+07	7101985
660.1999	665001	-55.3294	19.31726	11594665	-1.7E+07	7098338
660.3999	665002.5	-55.3207	19.30695	11597920	-1.7E+07	7094691
660.5999	665004	-55.3121	19.29663	11601174	-1.7E+07	7091043
660.7999	665005.5	-55.3035	19.28632	11604428	-1.7E+07	7087395
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661.7999	665013.2	-55.2603	19.23474	11620686	-1.7E+07	7069149
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662.5999	665019.6	-55.2258	19.19347	11633681	-1.7E+07	7054546
662.7999	665021.2	-55.2172	19.18315	11636928	-1.7E+07	7050894
662.9999	665022.9	-55.2086	19.17283	11640175	-1.7E+07	7047241
663.1999	665024.5	-55.2	19.16251	11643421	-1.7E+07	7043589
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663.7999	665029.5	-55.1741	19.13155	11653155	-1.7E+07	7032628
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664.1999	665032.9	-55.1569	19.1109	11659641	-1.7E+07	7025319
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664.5999	665036.4	-55.1397	19.09026	11666125	-1.7E+07	7018009
664.7999	665038.1	-55.131	19.07993	11669366	-1.7E+07	7014353
664.9999	665039.9	-55.1224	19.06961	11672606	-1.7E+07	7010696
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665.7999	665047	-55.088	19.02831	11685561	-1.7E+07	6996067
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667.7999	665065.6	-55.002	18.92502	11717904	-1.7E+07	6959467

667.9999	665067.5	-54.9934	18.91469	11721135	-1.7E+07	6955805
668.1999	665069.5	-54.9848	18.90435	11724365	-1.7E+07	6952143
668.3999	665071.4	-54.9763	18.89402	11727595	-1.7E+07	6948480
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671.1999	665099.9	-54.8561	18.74932	11772743	-1.7E+07	6897158
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672.5999	665115	-54.7961	18.67693	11795270	-1.7E+07	6871469
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672.9999	665119.5	-54.779	18.65624	11801700	-1.7E+07	6864126
673.1999	665121.7	-54.7704	18.6459	11804915	-1.7E+07	6860453
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673.7999	665128.5	-54.7448	18.61486	11814554	-1.7E+07	6849435
673.9999	665130.7	-54.7362	18.60452	11817766	-1.7E+07	6845761
674.1999	665133	-54.7277	18.59417	11820977	-1.7E+07	6842087
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676.9999	665166.3	-54.608	18.44927	11865867	-1.7E+07	6790609
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677.3999	665171.2	-54.5909	18.42856	11872269	-1.7E+07	6783249
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679.5999	665199.2	-54.4971	18.31464	11907437	-1.7E+07	6742741
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679.9999	665204.4	-54.48	18.29392	11913823	-1.7E+07	6735371
680.1999	665207	-54.4715	18.28356	11917015	-1.7E+07	6731685
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680.5999	665212.3	-54.4544	18.26284	11923397	-1.7E+07	6724313
680.7999	665215	-54.4459	18.25248	11926588	-1.7E+07	6720627
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681.1999	665220.4	-54.4289	18.23175	11932966	-1.7E+07	6713252
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681.7999	665228.6	-54.4033	18.20066	11942528	-1.7E+07	6702188
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682.1999	665234	-54.3863	18.17993	11948900	-1.7E+07	6694809
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682.5999	665239.6	-54.3693	18.1592	11955269	-1.7E+07	6687430
682.7999	665242.4	-54.3608	18.14884	11958453	-1.7E+07	6683739
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683.1999	665248	-54.3438	18.1281	11964818	-1.7E+07	6676357
683.3999	665250.8	-54.3353	18.11773	11968000	-1.7E+07	6672666
683.5999	665253.6	-54.3268	18.10737	11971181	-1.7E+07	6668974
683.7999	665256.5	-54.3183	18.097	11974361	-1.7E+07	6665281
683.9999	665259.3	-54.3098	18.08663	11977541	-1.7E+07	6661589
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684.5999	665268	-54.2843	18.05552	11987077	-1.7E+07	6650508
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685.1999	665276.7	-54.2588	18.02441	11996606	-1.7E+07	6639425
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685.5999	665282.6	-54.2418	18.00366	12002956	-1.7E+07	6632034
685.7999	665285.6	-54.2333	17.99329	12006130	-1.7E+07	6628338
685.9999	665288.6	-54.2248	17.98291	12009303	-1.7E+07	6624641
686.1999	665291.6	-54.2163	17.97254	12012476	-1.7E+07	6620945
686.3999	665294.6	-54.2078	17.96217	12015648	-1.7E+07	6617248
686.5999	665297.6	-54.1993	17.95179	12018820	-1.7E+07	6613550

686.7999	665300.6	-54.1909	17.94142	12021990	-1.7E+07	6609852
686.9999	665303.6	-54.1824	17.93104	12025160	-1.7E+07	6606154
687.1999	665306.7	-54.1739	17.92066	12028330	-1.7E+07	6602455
687.3999	665309.7	-54.1654	17.91029	12031499	-1.7E+07	6598756
687.5999	665312.8	-54.1569	17.89991	12034667	-1.7E+07	6595057
687.7999	665315.9	-54.1484	17.88953	12037834	-1.7E+07	6591357
687.9999	665319	-54.14	17.87915	12041001	-1.7E+07	6587657
688.1999	665322.1	-54.1315	17.86878	12044167	-1.7E+07	6583957
688.3999	665325.2	-54.123	17.8584	12047333	-1.7E+07	6580256
688.5999	665328.3	-54.1145	17.84802	12050498	-1.7E+07	6576555
688.7999	665331.5	-54.106	17.83764	12053662	-1.7E+07	6572853
688.9999	665334.6	-54.0976	17.82726	12056826	-1.7E+07	6569151
689.1999	665337.8	-54.0891	17.81688	12059989	-1.7E+07	6565449
689.3999	665340.9	-54.0806	17.8065	12063151	-1.7E+07	6561746
689.5999	665344.1	-54.0722	17.79611	12066313	-1.7E+07	6558043
689.7999	665347.3	-54.0637	17.78573	12069474	-1.7E+07	6554340
689.9999	665350.5	-54.0552	17.77535	12072634	-1.7E+07	6550636
690.1999	665353.8	-54.0467	17.76497	12075794	-1.7E+07	6546932
690.3999	665357	-54.0383	17.75458	12078953	-1.7E+07	6543227
690.5999	665360.2	-54.0298	17.7442	12082111	-1.7E+07	6539522
690.7999	665363.5	-54.0213	17.73381	12085269	-1.7E+07	6535817
690.9999	665366.8	-54.0129	17.72343	12088426	-1.7E+07	6532111
691.1999	665370	-54.0044	17.71305	12091583	-1.7E+07	6528405
691.3999	665373.3	-53.996	17.70266	12094738	-1.7E+07	6524699
691.5999	665376.6	-53.9875	17.69227	12097894	-1.7E+07	6520992
691.7999	665379.9	-53.979	17.68189	12101048	-1.7E+07	6517285
691.9999	665383.3	-53.9706	17.6715	12104202	-1.7E+07	6513578
692.1999	665386.6	-53.9621	17.66111	12107355	-1.7E+07	6509870
692.3999	665390	-53.9537	17.65073	12110508	-1.7E+07	6506162
692.5999	665393.3	-53.9452	17.64034	12113660	-1.7E+07	6502453
692.7999	665396.7	-53.9368	17.62995	12116811	-1.7E+07	6498744
692.9999	665400.1	-53.9283	17.61956	12119961	-1.7E+07	6495035
693.1999	665403.5	-53.9199	17.60917	12123111	-1.7E+07	6491325
693.3999	665406.9	-53.9114	17.59878	12126261	-1.7E+07	6487615
693.5999	665410.3	-53.903	17.58839	12129409	-1.7E+07	6483905
693.7999	665413.7	-53.8945	17.578	12132557	-1.7E+07	6480194
693.9999	665417.2	-53.8861	17.56761	12135705	-1.7E+07	6476483
694.1999	665420.6	-53.8776	17.55722	12138851	-1.7E+07	6472772
694.3999	665424.1	-53.8692	17.54682	12141998	-1.7E+07	6469060
694.5999	665427.6	-53.8607	17.53643	12145143	-1.7E+07	6465348
694.7999	665431.1	-53.8523	17.52604	12148288	-1.7E+07	6461635
694.9999	665434.6	-53.8438	17.51564	12151432	-1.7E+07	6457922
695.1999	665438.1	-53.8354	17.50525	12154575	-1.7E+07	6454209
695.3999	665441.6	-53.8269	17.49486	12157718	-1.7E+07	6450495
695.5999	665445.1	-53.8185	17.48446	12160860	-1.7E+07	6446781
695.7999	665448.7	-53.8101	17.47407	12164002	-1.7E+07	6443067
695.9999	665452.2	-53.8016	17.46367	12167142	-1.7E+07	6439352

696.1999	665455.8	-53.7932	17.45327	12170283	-1.7E+07	6435637
696.3999	665459.4	-53.7848	17.44288	12173422	-1.7E+07	6431922
696.5999	665463	-53.7763	17.43248	12176561	-1.7E+07	6428206
696.7999	665466.6	-53.7679	17.42208	12179699	-1.7E+07	6424490
696.9999	665470.2	-53.7595	17.41169	12182837	-1.7E+07	6420773
697.1999	665473.9	-53.751	17.40129	12185974	-1.7E+07	6417057
697.3999	665477.5	-53.7426	17.39089	12189110	-1.7E+07	6413339
697.5999	665481.2	-53.7342	17.38049	12192245	-1.7E+07	6409622
697.7999	665484.8	-53.7257	17.37009	12195380	-1.7E+07	6405904
697.9999	665488.5	-53.7173	17.35969	12198515	-1.7E+07	6402185
698.1999	665492.2	-53.7089	17.34929	12201648	-1.7E+07	6398467
698.3999	665495.9	-53.7005	17.33889	12204781	-1.7E+07	6394748
698.5999	665499.6	-53.692	17.32849	12207914	-1.7E+07	6391028
698.7999	665503.3	-53.6836	17.31809	12211045	-1.7E+07	6387309
698.9999	665507.1	-53.6752	17.30768	12214176	-1.7E+07	6383589
699.1999	665510.8	-53.6668	17.29728	12217307	-1.7E+07	6379868
699.3999	665514.6	-53.6584	17.28688	12220436	-1.7E+07	6376147
699.5999	665518.3	-53.6499	17.27648	12223565	-1.7E+07	6372426
699.7999	665522.1	-53.6415	17.26607	12226694	-1.7E+07	6368705
699.9999	665525.9	-53.6331	17.25567	12229821	-1.7E+07	6364983
700.1999	665529.7	-53.6247	17.24526	12232949	-1.7E+07	6361260
700.3999	665533.6	-53.6163	17.23486	12236075	-1.7E+07	6357538
700.5999	665537.4	-53.6079	17.22445	12239201	-1.7E+07	6353815
700.7999	665541.2	-53.5995	17.21405	12242326	-1.7E+07	6350091
700.9999	665545.1	-53.591	17.20364	12245450	-1.7E+07	6346368
701.1999	665548.9	-53.5826	17.19323	12248574	-1.7E+07	6342644
701.3999	665552.8	-53.5742	17.18283	12251697	-1.7E+07	6338919
701.5999	665556.7	-53.5658	17.17242	12254820	-1.7E+07	6335195
701.7999	665560.6	-53.5574	17.16201	12257941	-1.7E+07	6331470
701.9999	665564.5	-53.549	17.1516	12261063	-1.7E+07	6327744
702.1999	665568.4	-53.5406	17.14119	12264183	-1.7E+07	6324018
702.3999	665572.4	-53.5322	17.13078	12267303	-1.7E+07	6320292
702.5999	665576.3	-53.5238	17.12037	12270422	-1.7E+07	6316566
702.7999	665580.3	-53.5154	17.10996	12273541	-1.7E+07	6312839
702.9999	665584.3	-53.507	17.09955	12276658	-1.7E+07	6309112
703.1999	665588.2	-53.4986	17.08914	12279776	-1.7E+07	6305384
703.3999	665592.2	-53.4902	17.07873	12282892	-1.7E+07	6301656
703.5999	665596.2	-53.4818	17.06832	12286008	-1.7E+07	6297928
703.7999	665600.3	-53.4734	17.05791	12289123	-1.7E+07	6294199
703.9999	665604.3	-53.465	17.04749	12292238	-1.7E+07	6290470
704.1999	665608.3	-53.4566	17.03708	12295352	-1.7E+07	6286741
704.3999	665612.4	-53.4482	17.02667	12298465	-1.7E+07	6283011
704.5999	665616.4	-53.4398	17.01625	12301577	-1.7E+07	6279281
704.7999	665620.5	-53.4314	17.00584	12304689	-1.7E+07	6275551
704.9999	665624.6	-53.423	16.99542	12307801	-1.7E+07	6271820
705.1999	665628.7	-53.4146	16.98501	12310911	-1.7E+07	6268089
705.3999	665632.8	-53.4063	16.97459	12314021	-1.7E+07	6264357

705.5999	665636.9	-53.3979	16.96418	12317130	-1.7E+07	6260626
705.7999	665641.1	-53.3895	16.95376	12320239	-1.7E+07	6256893
705.9999	665645.2	-53.3811	16.94334	12323347	-1.7E+07	6253161
706.1999	665649.4	-53.3727	16.93293	12326454	-1.7E+07	6249428
706.3999	665653.5	-53.3643	16.92251	12329561	-1.7E+07	6245695
706.5999	665657.7	-53.3559	16.91209	12332667	-1.7E+07	6241961
706.7999	665661.9	-53.3476	16.90167	12335772	-1.7E+07	6238227
706.9999	665666.1	-53.3392	16.89125	12338877	-1.7E+07	6234493
707.1999	665670.3	-53.3308	16.88083	12341981	-1.7E+07	6230759
707.3999	665674.6	-53.3224	16.87041	12345084	-1.7E+07	6227024
707.5999	665678.8	-53.314	16.85999	12348187	-1.7E+07	6223288
707.7999	665683.1	-53.3057	16.84957	12351289	-1.7E+07	6219553
707.9999	665687.3	-53.2973	16.83915	12354390	-1.7E+07	6215817
708.1999	665691.6	-53.2889	16.82873	12357491	-1.7E+07	6212080
708.3999	665695.9	-53.2805	16.81831	12360591	-1.7E+07	6208344
708.5999	665700.2	-53.2722	16.80789	12363690	-1.7E+07	6204607
708.7999	665704.5	-53.2638	16.79746	12366789	-1.7E+07	6200869
708.9999	665708.8	-53.2554	16.78704	12369887	-1.7E+07	6197131
709.1999	665713.2	-53.2471	16.77662	12372984	-1.7E+07	6193393
709.3999	665717.5	-53.2387	16.76619	12376081	-1.7E+07	6189655
709.5999	665721.9	-53.2303	16.75577	12379177	-1.7E+07	6185916
709.7999	665726.2	-53.222	16.74535	12382272	-1.7E+07	6182177
709.9999	665730.6	-53.2136	16.73492	12385367	-1.7E+07	6178438
710.1999	665735	-53.2052	16.72449	12388461	-1.7E+07	6174698
710.3999	665739.4	-53.1969	16.71407	12391554	-1.7E+07	6170958
710.5999	665743.8	-53.1885	16.70364	12394647	-1.7E+07	6167217
710.7999	665748.3	-53.1801	16.69322	12397739	-1.7E+07	6163476
710.9999	665752.7	-53.1718	16.68279	12400830	-1.7E+07	6159735
711.1999	665757.2	-53.1634	16.67236	12403921	-1.7E+07	6155993
711.3999	665761.6	-53.1551	16.66193	12407011	-1.7E+07	6152252
711.5999	665766.1	-53.1467	16.6515	12410101	-1.7E+07	6148509
711.7999	665770.6	-53.1384	16.64108	12413189	-1.7E+07	6144767
711.9999	665775.1	-53.13	16.63065	12416277	-1.7E+07	6141024
712.1999	665779.6	-53.1216	16.62022	12419365	-1.7E+07	6137281
712.3999	665784.1	-53.1133	16.60979	12422451	-1.7E+07	6133537
712.5999	665788.7	-53.1049	16.59936	12425537	-1.7E+07	6129793
712.7999	665793.2	-53.0966	16.58893	12428623	-1.7E+07	6126049
712.9999	665797.8	-53.0882	16.57849	12431708	-1.7E+07	6122304
713.1999	665802.4	-53.0799	16.56806	12434792	-1.7E+07	6118559
713.3999	665806.9	-53.0715	16.55763	12437875	-1.7E+07	6114814
713.5999	665811.5	-53.0632	16.5472	12440958	-1.7E+07	6111068
713.7999	665816.1	-53.0548	16.53677	12444040	-1.7E+07	6107322
713.9999	665820.8	-53.0465	16.52633	12447121	-1.7E+07	6103576
714.1999	665825.4	-53.0382	16.5159	12450202	-1.7E+07	6099829
714.3999	665830	-53.0298	16.50546	12453282	-1.7E+07	6096082
714.5999	665834.7	-53.0215	16.49503	12456361	-1.7E+07	6092335
714.7999	665839.3	-53.0131	16.48459	12459440	-1.7E+07	6088587

714.9999	665844	-53.0048	16.47416	12462518	-1.7E+07	6084839
715.1999	665848.7	-52.9964	16.46372	12465595	-1.7E+07	6081090
715.3999	665853.4	-52.9881	16.45329	12468672	-1.7E+07	6077342
715.5999	665858.1	-52.9798	16.44285	12471748	-1.7E+07	6073593
715.7999	665862.9	-52.9714	16.43241	12474824	-1.7E+07	6069843
715.9999	665867.6	-52.9631	16.42198	12477898	-1.7E+07	6066093
716.1999	665872.3	-52.9548	16.41154	12480972	-1.7E+07	6062343
716.3999	665877.1	-52.9464	16.4011	12484046	-1.7E+07	6058593
716.5999	665881.9	-52.9381	16.39066	12487118	-1.7E+07	6054842
716.7999	665886.7	-52.9298	16.38022	12490190	-1.7E+07	6051091
716.9999	665891.4	-52.9214	16.36978	12493262	-1.7E+07	6047339
717.1999	665896.3	-52.9131	16.35934	12496332	-1.7E+07	6043588
717.3999	665901.1	-52.9048	16.3489	12499402	-1.7E+07	6039835
717.5999	665905.9	-52.8964	16.33846	12502472	-1.7E+07	6036083
717.7999	665910.7	-52.8881	16.32802	12505541	-1.7E+07	6032330
717.9999	665915.6	-52.8798	16.31758	12508609	-1.7E+07	6028577
718.1999	665920.5	-52.8715	16.30714	12511676	-1.7E+07	6024823
718.3999	665925.3	-52.8631	16.2967	12514743	-1.7E+07	6021070
718.5999	665930.2	-52.8548	16.28626	12517809	-1.7E+07	6017315
718.7999	665935.1	-52.8465	16.27581	12520874	-1.7E+07	6013561
718.9999	665940.1	-52.8382	16.26537	12523939	-1.7E+07	6009806
719.1999	665945	-52.8299	16.25493	12527003	-1.7E+07	6006051
719.3999	665949.9	-52.8215	16.24448	12530066	-1.7E+07	6002295
719.5999	665954.9	-52.8132	16.23404	12533128	-1.7E+07	5998539
719.7999	665959.8	-52.8049	16.22359	12536190	-1.7E+07	5994783
719.9999	665964.8	-52.7966	16.21315	12539252	-1.7E+07	5991027
720.1999	665969.8	-52.7883	16.2027	12542312	-1.7E+07	5987270
720.3999	665974.8	-52.78	16.19226	12545372	-1.7E+07	5983513
720.5999	665979.8	-52.7716	16.18181	12548432	-1.7E+07	5979755
720.7999	665984.8	-52.7633	16.17136	12551490	-1.7E+07	5975997
720.9999	665989.8	-52.755	16.16091	12554548	-1.7E+07	5972239
721.1999	665994.9	-52.7467	16.15047	12557605	-1.7E+07	5968481
721.3999	665999.9	-52.7384	16.14002	12560662	-1.7E+07	5964722
721.5999	666005	-52.7301	16.12957	12563718	-1.7E+07	5960962
721.7999	666010.1	-52.7218	16.11912	12566773	-1.7E+07	5957203
721.9999	666015.2	-52.7135	16.10867	12569828	-1.7E+07	5953443
722.1999	666020.3	-52.7052	16.09822	12572882	-1.7E+07	5949683
722.3999	666025.4	-52.6969	16.08777	12575935	-1.7E+07	5945922
722.5999	666030.5	-52.6886	16.07732	12578987	-1.7E+07	5942161
722.7999	666035.7	-52.6803	16.06687	12582039	-1.7E+07	5938400
722.9999	666040.8	-52.672	16.05642	12585091	-1.7E+07	5934639
723.1999	666046	-52.6637	16.04597	12588141	-1.7E+07	5930877
723.3999	666051.1	-52.6554	16.03552	12591191	-1.7E+07	5927114
723.5999	666056.3	-52.6471	16.02507	12594240	-1.7E+07	5923352
723.7999	666061.5	-52.6388	16.01461	12597289	-1.6E+07	5919589
723.9999	666066.7	-52.6305	16.00416	12600337	-1.6E+07	5915826
724.1999	666071.9	-52.6222	15.99371	12603384	-1.6E+07	5912062

724.3999	666077.2	-52.6139	15.98325	12606430	-1.6E+07	5908298
724.5999	666082.4	-52.6056	15.9728	12609476	-1.6E+07	5904534
724.7999	666087.7	-52.5973	15.96234	12612521	-1.6E+07	5900770
724.9999	666092.9	-52.589	15.95189	12615566	-1.6E+07	5897005
725.1999	666098.2	-52.5807	15.94143	12618609	-1.6E+07	5893240
725.3999	666103.5	-52.5724	15.93098	12621653	-1.6E+07	5889474
725.5999	666108.8	-52.5641	15.92052	12624695	-1.6E+07	5885708
725.7999	666114.1	-52.5558	15.91006	12627737	-1.6E+07	5881942
725.9999	666119.5	-52.5475	15.89961	12630778	-1.6E+07	5878176
726.1999	666124.8	-52.5393	15.88915	12633818	-1.6E+07	5874409
726.3999	666130.2	-52.531	15.87869	12636858	-1.6E+07	5870642
726.5999	666135.5	-52.5227	15.86823	12639897	-1.6E+07	5866874
726.7999	666140.9	-52.5144	15.85778	12642935	-1.6E+07	5863106
726.9999	666146.3	-52.5061	15.84732	12645973	-1.6E+07	5859338
727.1999	666151.7	-52.4978	15.83686	12649010	-1.6E+07	5855570
727.3999	666157.1	-52.4896	15.8264	12652046	-1.6E+07	5851801
727.5999	666162.5	-52.4813	15.81594	12655082	-1.6E+07	5848032
727.7999	666167.9	-52.473	15.80548	12658117	-1.6E+07	5844262
727.9999	666173.4	-52.4647	15.79502	12661151	-1.6E+07	5840492
728.1999	666178.8	-52.4564	15.78456	12664185	-1.6E+07	5836722
728.3999	666184.3	-52.4482	15.77409	12667218	-1.6E+07	5832952
728.5999	666189.8	-52.4399	15.76363	12670250	-1.6E+07	5829181
728.7999	666195.3	-52.4316	15.75317	12673282	-1.6E+07	5825410
728.9999	666200.8	-52.4233	15.74271	12676313	-1.6E+07	5821638
729.1999	666206.3	-52.4151	15.73224	12679343	-1.6E+07	5817867
729.3999	666211.8	-52.4068	15.72178	12682373	-1.6E+07	5814095
729.5999	666217.3	-52.3985	15.71132	12685402	-1.6E+07	5810322
729.7999	666222.9	-52.3903	15.70085	12688430	-1.6E+07	5806549
729.9999	666228.5	-52.382	15.69039	12691457	-1.6E+07	5802776
730.1999	666234	-52.3737	15.67992	12694484	-1.6E+07	5799003
730.3999	666239.6	-52.3655	15.66946	12697510	-1.6E+07	5795229
730.5999	666245.2	-52.3572	15.65899	12700536	-1.6E+07	5791455
730.7999	666250.8	-52.3489	15.64853	12703561	-1.6E+07	5787681
730.9999	666256.5	-52.3407	15.63806	12706585	-1.6E+07	5783906
731.1999	666262.1	-52.3324	15.62759	12709608	-1.6E+07	5780131
731.3999	666267.7	-52.3241	15.61713	12712631	-1.6E+07	5776356
731.5999	666273.4	-52.3159	15.60666	12715653	-1.6E+07	5772580
731.7999	666279.1	-52.3076	15.59619	12718675	-1.6E+07	5768804
731.9999	666284.7	-52.2994	15.58572	12721695	-1.6E+07	5765028
732.1999	666290.4	-52.2911	15.57525	12724715	-1.6E+07	5761251
732.3999	666296.1	-52.2828	15.56478	12727735	-1.6E+07	5757474
732.5999	666301.8	-52.2746	15.55432	12730753	-1.6E+07	5753697
732.7999	666307.6	-52.2663	15.54385	12733772	-1.6E+07	5749919
732.9999	666313.3	-52.2581	15.53338	12736789	-1.6E+07	5746141
733.1999	666319.1	-52.2498	15.5229	12739806	-1.6E+07	5742363
733.3999	666324.8	-52.2416	15.51243	12742821	-1.6E+07	5738585
733.5999	666330.6	-52.2333	15.50196	12745837	-1.6E+07	5734806

733.7999	666336.4	-52.2251	15.49149	12748851	-1.6E+07	5731026
733.9999	666342.2	-52.2168	15.48102	12751865	-1.6E+07	5727247
734.1999	666348	-52.2086	15.47055	12754879	-1.6E+07	5723467
734.3999	666353.8	-52.2003	15.46007	12757891	-1.6E+07	5719687
734.5999	666359.7	-52.1921	15.4496	12760903	-1.6E+07	5715906
734.7999	666365.5	-52.1838	15.43913	12763914	-1.6E+07	5712126
734.9999	666371.4	-52.1756	15.42865	12766925	-1.6E+07	5708344
735.1999	666377.2	-52.1673	15.41818	12769935	-1.6E+07	5704563
735.3999	666383.1	-52.1591	15.4077	12772944	-1.6E+07	5700781
735.5999	666389	-52.1508	15.39723	12775952	-1.6E+07	5696999
735.7999	666394.9	-52.1426	15.38675	12778960	-1.6E+07	5693217
735.9999	666400.8	-52.1344	15.37628	12781967	-1.6E+07	5689434
736.1999	666406.8	-52.1261	15.3658	12784974	-1.6E+07	5685651
736.3999	666412.7	-52.1179	15.35533	12787979	-1.6E+07	5681868
736.5999	666418.7	-52.1096	15.34485	12790984	-1.6E+07	5678084
736.7999	666424.6	-52.1014	15.33437	12793989	-1.6E+07	5674300
736.9999	666430.6	-52.0932	15.32389	12796992	-1.6E+07	5670516
737.1999	666436.6	-52.0849	15.31342	12799995	-1.6E+07	5666731
737.3999	666442.6	-52.0767	15.30294	12802998	-1.6E+07	5662946
737.5999	666448.6	-52.0685	15.29246	12805999	-1.6E+07	5659161
737.7999	666454.6	-52.0602	15.28198	12809000	-1.6E+07	5655375
737.9999	666460.7	-52.052	15.2715	12812001	-1.6E+07	5651589
738.1999	666466.7	-52.0438	15.26102	12815000	-1.6E+07	5647803
738.3999	666472.8	-52.0355	15.25054	12817999	-1.6E+07	5644016
738.5999	666478.8	-52.0273	15.24006	12820997	-1.6E+07	5640229
738.7999	666484.9	-52.0191	15.22958	12823995	-1.6E+07	5636442
738.9999	666491	-52.0109	15.2191	12826992	-1.6E+07	5632655
739.1999	666497.1	-52.0026	15.20862	12829988	-1.6E+07	5628867
739.3999	666503.2	-51.9944	15.19813	12832983	-1.6E+07	5625079
739.5999	666509.4	-51.9862	15.18765	12835978	-1.6E+07	5621290
739.7999	666515.5	-51.9779	15.17717	12838972	-1.6E+07	5617502
739.9999	666521.7	-51.9697	15.16669	12841965	-1.6E+07	5613713
740.1999	666527.8	-51.9615	15.1562	12844958	-1.6E+07	5609923
740.3999	666534	-51.9533	15.14572	12847950	-1.6E+07	5606133
740.5999	666540.2	-51.9451	15.13523	12850942	-1.6E+07	5602343
740.7999	666546.4	-51.9368	15.12475	12853932	-1.6E+07	5598553
740.9999	666552.6	-51.9286	15.11426	12856922	-1.6E+07	5594762
741.1999	666558.9	-51.9204	15.10378	12859912	-1.6E+07	5590972
741.3999	666565.1	-51.9122	15.09329	12862900	-1.6E+07	5587180
741.5999	666571.3	-51.904	15.08281	12865888	-1.6E+07	5583389
741.7999	666577.6	-51.8958	15.07232	12868875	-1.6E+07	5579597
741.9999	666583.9	-51.8875	15.06183	12871862	-1.6E+07	5575805
742.1999	666590.2	-51.8793	15.05135	12874848	-1.6E+07	5572012
742.3999	666596.5	-51.8711	15.04086	12877833	-1.6E+07	5568219
742.5999	666602.8	-51.8629	15.03037	12880817	-1.6E+07	5564426
742.7999	666609.1	-51.8547	15.01988	12883801	-1.6E+07	5560633
742.9999	666615.4	-51.8465	15.0094	12886784	-1.6E+07	5556839

743.1999	666621.8	-51.8383	14.99891	12889767	-1.6E+07	5553045
743.3999	666628.1	-51.8301	14.98842	12892748	-1.6E+07	5549250
743.5999	666634.5	-51.8219	14.97793	12895729	-1.6E+07	5545456
743.7999	666640.9	-51.8137	14.96744	12898710	-1.6E+07	5541661
743.9999	666647.3	-51.8055	14.95695	12901689	-1.6E+07	5537865
744.1999	666653.7	-51.7972	14.94646	12904668	-1.6E+07	5534070
744.3999	666660.1	-51.789	14.93597	12907647	-1.6E+07	5530274
744.5999	666666.5	-51.7808	14.92548	12910624	-1.6E+07	5526477
744.7999	666672.9	-51.7726	14.91498	12913601	-1.6E+07	5522681
744.9999	666679.4	-51.7644	14.90449	12916577	-1.6E+07	5518884
745.1999	666685.9	-51.7562	14.894	12919553	-1.6E+07	5515087
745.3999	666692.3	-51.748	14.88351	12922528	-1.6E+07	5511289
745.5999	666698.8	-51.7398	14.87301	12925502	-1.6E+07	5507491
745.7999	666705.3	-51.7316	14.86252	12928475	-1.6E+07	5503693
745.9999	666711.8	-51.7234	14.85203	12931448	-1.6E+07	5499895
746.1999	666718.3	-51.7153	14.84153	12934420	-1.6E+07	5496096
746.3999	666724.9	-51.7071	14.83104	12937392	-1.6E+07	5492297
746.5999	666731.4	-51.6989	14.82054	12940362	-1.6E+07	5488498
746.7999	666738	-51.6907	14.81005	12943332	-1.6E+07	5484698
746.9999	666744.6	-51.6825	14.79955	12946302	-1.6E+07	5480898
747.1999	666751.1	-51.6743	14.78906	12949270	-1.6E+07	5477098
747.3999	666757.7	-51.6661	14.77856	12952238	-1.6E+07	5473297
747.5999	666764.3	-51.6579	14.76806	12955205	-1.6E+07	5469496
747.7999	666771	-51.6497	14.75757	12958172	-1.6E+07	5465695
747.9999	666777.6	-51.6415	14.74707	12961138	-1.6E+07	5461894
748.1999	666784.2	-51.6333	14.73657	12964103	-1.6E+07	5458092
748.3999	666790.9	-51.6252	14.72607	12967067	-1.6E+07	5454290
748.5999	666797.5	-51.617	14.71557	12970031	-1.6E+07	5450487
748.7999	666804.2	-51.6088	14.70508	12972994	-1.6E+07	5446685
748.9999	666810.9	-51.6006	14.69458	12975957	-1.6E+07	5442882
749.1999	666817.6	-51.5924	14.68408	12978918	-1.6E+07	5439078
749.3999	666824.3	-51.5842	14.67358	12981879	-1.6E+07	5435275
749.5999	666831	-51.5761	14.66308	12984840	-1.6E+07	5431471
749.7999	666837.8	-51.5679	14.65258	12987799	-1.6E+07	5427667
749.9999	666844.5	-51.5597	14.64208	12990758	-1.6E+07	5423862
750.1999	666851.3	-51.5515	14.63157	12993716	-1.6E+07	5420057
750.3999	666858.1	-51.5433	14.62107	12996674	-1.6E+07	5416252
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750.7999	666871.6	-51.527	14.60007	13002587	-1.6E+07	5408641
750.9999	666878.4	-51.5188	14.58957	13005542	-1.6E+07	5404835
751.1999	666885.3	-51.5106	14.57906	13008497	-1.6E+07	5401028
751.3999	666892.1	-51.5025	14.56856	13011451	-1.6E+07	5397222
751.5999	666898.9	-51.4943	14.55806	13014405	-1.6E+07	5393415
751.7999	666905.8	-51.4861	14.54755	13017357	-1.6E+07	5389607
751.9999	666912.7	-51.478	14.53705	13020309	-1.6E+07	5385800
752.1999	666919.5	-51.4698	14.52654	13023261	-1.6E+07	5381992
752.3999	666926.4	-51.4616	14.51604	13026211	-1.6E+07	5378184

752.5999	666933.3	-51.4535	14.50553	13029161	-1.6E+07	5374375
752.7999	666940.2	-51.4453	14.49503	13032110	-1.6E+07	5370566
752.9999	666947.2	-51.4371	14.48452	13035059	-1.6E+07	5366757
753.1999	666954.1	-51.429	14.47402	13038007	-1.6E+07	5362948
753.3999	666961.1	-51.4208	14.46351	13040954	-1.6E+07	5359138
753.5999	666968	-51.4126	14.453	13043900	-1.6E+07	5355328
753.7999	666975	-51.4045	14.44249	13046846	-1.6E+07	5351518
753.9999	666982	-51.3963	14.43199	13049791	-1.6E+07	5347707
754.1999	666989	-51.3881	14.42148	13052735	-1.6E+07	5343897
754.3999	666996	-51.38	14.41097	13055679	-1.6E+07	5340085
754.5999	667003	-51.3718	14.40046	13058622	-1.6E+07	5336274
754.7999	667010	-51.3637	14.38995	13061564	-1.6E+07	5332462
754.9999	667017.1	-51.3555	14.37944	13064506	-1.6E+07	5328650
755.1999	667024.1	-51.3473	14.36893	13067447	-1.6E+07	5324838
755.3999	667031.2	-51.3392	14.35842	13070387	-1.6E+07	5321025
755.5999	667038.3	-51.331	14.34791	13073326	-1.6E+07	5317212
755.7999	667045.4	-51.3229	14.3374	13076265	-1.6E+07	5313399
755.9999	667052.5	-51.3147	14.32689	13079203	-1.6E+07	5309585
756.1999	667059.6	-51.3066	14.31638	13082140	-1.6E+07	5305771
756.3999	667066.7	-51.2984	14.30587	13085077	-1.6E+07	5301957
756.5999	667073.9	-51.2903	14.29536	13088013	-1.6E+07	5298142
756.7999	667081	-51.2821	14.28484	13090948	-1.6E+07	5294328
756.9999	667088.2	-51.274	14.27433	13093883	-1.6E+07	5290513
757.1999	667095.4	-51.2658	14.26382	13096817	-1.6E+07	5286697
757.3999	667102.5	-51.2577	14.2533	13099750	-1.6E+07	5282882
757.5999	667109.7	-51.2495	14.24279	13102682	-1.6E+07	5279066
757.7999	667117	-51.2414	14.23228	13105614	-1.6E+07	5275249
757.9999	667124.2	-51.2332	14.22176	13108545	-1.6E+07	5271433
758.1999	667131.4	-51.2251	14.21125	13111476	-1.6E+07	5267616
758.3999	667138.7	-51.2169	14.20073	13114405	-1.6E+07	5263799
758.5999	667145.9	-51.2088	14.19022	13117334	-1.6E+07	5259981
758.7999	667153.2	-51.2007	14.1797	13120263	-1.6E+07	5256164
758.9999	667160.5	-51.1925	14.16918	13123190	-1.6E+07	5252346
759.1999	667167.8	-51.1844	14.15867	13126117	-1.6E+07	5248527
759.3999	667175.1	-51.1762	14.14815	13129043	-1.6E+07	5244709
759.5999	667182.4	-51.1681	14.13763	13131969	-1.6E+07	5240890
759.7999	667189.7	-51.16	14.12712	13134894	-1.6E+07	5237071
759.9999	667197.1	-51.1518	14.1166	13137818	-1.6E+07	5233251
760.1999	667204.4	-51.1437	14.10608	13140741	-1.6E+07	5229431
760.3999	667211.8	-51.1356	14.09556	13143664	-1.6E+07	5225611
760.5999	667219.2	-51.1274	14.08504	13146586	-1.6E+07	5221791
760.7999	667226.5	-51.1193	14.07452	13149507	-1.6E+07	5217970
760.9999	667233.9	-51.1112	14.064	13152428	-1.6E+07	5214149
761.1999	667241.4	-51.103	14.05348	13155347	-1.6E+07	5210328
761.3999	667248.8	-51.0949	14.04296	13158267	-1.6E+07	5206506
761.5999	667256.2	-51.0868	14.03244	13161185	-1.6E+07	5202685
761.7999	667263.7	-51.0786	14.02192	13164103	-1.6E+07	5198862

761.9999	667271.1	-51.0705	14.0114	13167020	-1.6E+07	5195040
762.1999	667278.6	-51.0624	14.00088	13169936	-1.6E+07	5191217
762.3999	667286.1	-51.0543	13.99036	13172852	-1.6E+07	5187394
762.5999	667293.6	-51.0461	13.97984	13175767	-1.6E+07	5183571
762.7999	667301.1	-51.038	13.96931	13178681	-1.6E+07	5179747
762.9999	667308.6	-51.0299	13.95879	13181595	-1.6E+07	5175924
763.1999	667316.1	-51.0218	13.94827	13184508	-1.6E+07	5172099
763.3999	667323.7	-51.0136	13.93775	13187420	-1.6E+07	5168275
763.5999	667331.2	-51.0055	13.92722	13190331	-1.6E+07	5164450
763.7999	667338.8	-50.9974	13.9167	13193242	-1.6E+07	5160625
763.9999	667346.4	-50.9893	13.90617	13196152	-1.6E+07	5156800
764.1999	667354	-50.9811	13.89565	13199062	-1.6E+07	5152974
764.3999	667361.6	-50.973	13.88512	13201970	-1.6E+07	5149148
764.5999	667369.2	-50.9649	13.8746	13204878	-1.6E+07	5145322
764.7999	667376.8	-50.9568	13.86407	13207785	-1.6E+07	5141496
764.9999	667384.5	-50.9487	13.85355	13210692	-1.6E+07	5137669
765.1999	667392.1	-50.9406	13.84302	13213598	-1.6E+07	5133842
765.3999	667399.8	-50.9324	13.83249	13216503	-1.6E+07	5130014
765.5999	667407.5	-50.9243	13.82197	13219407	-1.6E+07	5126187
765.7999	667415.1	-50.9162	13.81144	13222311	-1.6E+07	5122359
765.9999	667422.8	-50.9081	13.80091	13225214	-1.6E+07	5118531
766.1999	667430.6	-50.9	13.79038	13228116	-1.6E+07	5114702
766.3999	667438.3	-50.8919	13.77986	13231018	-1.6E+07	5110873
766.5999	667446	-50.8838	13.76933	13233919	-1.6E+07	5107044
766.7999	667453.8	-50.8757	13.7588	13236819	-1.6E+07	5103215
766.9999	667461.5	-50.8676	13.74827	13239719	-1.6E+07	5099385
767.1999	667469.3	-50.8594	13.73774	13242617	-1.6E+07	5095555
767.3999	667477.1	-50.8513	13.72721	13245516	-1.6E+07	5091725
767.5999	667484.9	-50.8432	13.71668	13248413	-1.6E+07	5087895
767.7999	667492.7	-50.8351	13.70615	13251310	-1.6E+07	5084064
767.9999	667500.5	-50.827	13.69562	13254206	-1.6E+07	5080233
768.1999	667508.3	-50.8189	13.68509	13257101	-1.6E+07	5076402
768.3999	667516.2	-50.8108	13.67456	13259995	-1.6E+07	5072570
768.5999	667524	-50.8027	13.66402	13262889	-1.6E+07	5068738
768.7999	667531.9	-50.7946	13.65349	13265782	-1.6E+07	5064906
768.9999	667539.8	-50.7865	13.64296	13268675	-1.6E+07	5061073
769.1999	667547.6	-50.7784	13.63243	13271567	-1.6E+07	5057241
769.3999	667555.5	-50.7703	13.62189	13274458	-1.6E+07	5053407
769.5999	667563.5	-50.7622	13.61136	13277348	-1.6E+07	5049574
769.7999	667571.4	-50.7541	13.60083	13280238	-1.6E+07	5045741
769.9999	667579.3	-50.746	13.59029	13283126	-1.6E+07	5041907
770.1999	667587.3	-50.7379	13.57976	13286015	-1.6E+07	5038072
770.3999	667595.2	-50.7298	13.56922	13288902	-1.6E+07	5034238
770.5999	667603.2	-50.7217	13.55869	13291789	-1.6E+07	5030403
770.7999	667611.2	-50.7136	13.54815	13294675	-1.6E+07	5026568
770.9999	667619.2	-50.7056	13.53762	13297560	-1.6E+07	5022733
771.1999	667627.2	-50.6975	13.52708	13300445	-1.6E+07	5018897

771.3999	667635.2	-50.6894	13.51654	13303329	-1.6E+07	5015061
771.5999	667643.2	-50.6813	13.50601	13306212	-1.6E+07	5011225
771.7999	667651.3	-50.6732	13.49547	13309095	-1.6E+07	5007389
771.9999	667659.3	-50.6651	13.48493	13311977	-1.6E+07	5003552
772.1999	667667.4	-50.657	13.4744	13314858	-1.6E+07	4999715
772.3999	667675.5	-50.6489	13.46386	13317738	-1.6E+07	4995878
772.5999	667683.6	-50.6408	13.45332	13320618	-1.6E+07	4992040
772.7999	667691.7	-50.6328	13.44278	13323497	-1.6E+07	4988202
772.9999	667699.8	-50.6247	13.43224	13326375	-1.6E+07	4984364
773.1999	667707.9	-50.6166	13.4217	13329253	-1.6E+07	4980526
773.3999	667716.1	-50.6085	13.41117	13332130	-1.6E+07	4976687
773.5999	667724.2	-50.6004	13.40063	13335006	-1.6E+07	4972848
773.7999	667732.4	-50.5923	13.39009	13337881	-1.6E+07	4969009
773.9999	667740.6	-50.5843	13.37955	13340756	-1.6E+07	4965169
774.1999	667748.7	-50.5762	13.369	13343630	-1.6E+07	4961330
774.3999	667756.9	-50.5681	13.35846	13346503	-1.6E+07	4957490
774.5999	667765.2	-50.56	13.34792	13349376	-1.6E+07	4953649
774.7999	667773.4	-50.552	13.33738	13352248	-1.6E+07	4949809
774.9999	667781.6	-50.5439	13.32684	13355119	-1.6E+07	4945968
775.1999	667789.9	-50.5358	13.3163	13357989	-1.6E+07	4942126
775.3999	667798.1	-50.5277	13.30575	13360859	-1.6E+07	4938285
775.5999	667806.4	-50.5197	13.29521	13363728	-1.6E+07	4934443
775.7999	667814.7	-50.5116	13.28467	13366597	-1.6E+07	4930601
775.9999	667823	-50.5035	13.27413	13369464	-1.6E+07	4926759
776.1999	667831.3	-50.4954	13.26358	13372331	-1.6E+07	4922916
776.3999	667839.6	-50.4874	13.25304	13375197	-1.6E+07	4919074
776.5999	667847.9	-50.4793	13.24249	13378063	-1.6E+07	4915230
776.7999	667856.3	-50.4712	13.23195	13380928	-1.6E+07	4911387
776.9999	667864.6	-50.4632	13.2214	13383792	-1.6E+07	4907543
777.1999	667873	-50.4551	13.21086	13386655	-1.6E+07	4903699
777.3999	667881.4	-50.447	13.20031	13389518	-1.6E+07	4899855
777.5999	667889.7	-50.4389	13.18977	13392380	-1.6E+07	4896011
777.7999	667898.1	-50.4309	13.17922	13395241	-1.6E+07	4892166
777.9999	667906.6	-50.4228	13.16867	13398101	-1.6E+07	4888321
778.1999	667915	-50.4148	13.15813	13400961	-1.6E+07	4884476
778.3999	667923.4	-50.4067	13.14758	13403820	-1.6E+07	4880630
778.5999	667931.9	-50.3986	13.13703	13406679	-1.6E+07	4876784
778.7999	667940.3	-50.3906	13.12649	13409536	-1.6E+07	4872938
778.9999	667948.8	-50.3825	13.11594	13412393	-1.6E+07	4869092
779.1999	667957.3	-50.3744	13.10539	13415249	-1.6E+07	4865245
779.3999	667965.8	-50.3664	13.09484	13418105	-1.6E+07	4861398
779.5999	667974.3	-50.3583	13.08429	13420960	-1.6E+07	4857551
779.7999	667982.8	-50.3503	13.07374	13423814	-1.6E+07	4853703
779.9999	667991.4	-50.3422	13.06319	13426667	-1.6E+07	4849855
780.1999	667999.9	-50.3342	13.05264	13429520	-1.6E+07	4846007
780.3999	668008.5	-50.3261	13.04209	13432372	-1.6E+07	4842159
780.5999	668017	-50.318	13.03154	13435223	-1.6E+07	4838310

780.7999	668025.6	-50.31	13.02099	13438074	-1.6E+07	4834462
780.9999	668034.2	-50.3019	13.01044	13440923	-1.6E+07	4830612
781.1999	668042.8	-50.2939	12.99989	13443772	-1.6E+07	4826763
781.3999	668051.4	-50.2858	12.98934	13446621	-1.6E+07	4822913
781.5999	668060	-50.2778	12.97879	13449469	-1.6E+07	4819063
781.7999	668068.7	-50.2697	12.96823	13452315	-1.6E+07	4815213
781.9999	668077.3	-50.2617	12.95768	13455162	-1.6E+07	4811363
782.1999	668086	-50.2536	12.94713	13458007	-1.6E+07	4807512
782.3999	668094.6	-50.2456	12.93658	13460852	-1.6E+07	4803661
782.5999	668103.3	-50.2375	12.92602	13463696	-1.6E+07	4799810
782.7999	668112	-50.2295	12.91547	13466539	-1.6E+07	4795958
782.9999	668120.7	-50.2214	12.90492	13469382	-1.6E+07	4792106
783.1999	668129.5	-50.2134	12.89436	13472224	-1.6E+07	4788254
783.3999	668138.2	-50.2053	12.88381	13475065	-1.6E+07	4784402
783.5999	668146.9	-50.1973	12.87325	13477906	-1.6E+07	4780549
783.7999	668155.7	-50.1893	12.8627	13480746	-1.6E+07	4776696
783.9999	668164.5	-50.1812	12.85214	13483585	-1.6E+07	4772843
784.1999	668173.2	-50.1732	12.84158	13486423	-1.6E+07	4768990
784.3999	668182	-50.1651	12.83103	13489261	-1.6E+07	4765136
784.5999	668190.8	-50.1571	12.82047	13492098	-1.6E+07	4761282
784.7999	668199.7	-50.1491	12.80992	13494934	-1.6E+07	4757428
784.9999	668208.5	-50.141	12.79936	13497769	-1.6E+07	4753573
785.1999	668217.3	-50.133	12.7888	13500604	-1.6E+07	4749718
785.3999	668226.2	-50.1249	12.77824	13503438	-1.6E+07	4745863
785.5999	668235	-50.1169	12.76769	13506271	-1.6E+07	4742008
785.7999	668243.9	-50.1089	12.75713	13509104	-1.6E+07	4738152
785.9999	668252.8	-50.1008	12.74657	13511936	-1.6E+07	4734297
786.1999	668261.7	-50.0928	12.73601	13514767	-1.6E+07	4730440
786.3999	668270.6	-50.0848	12.72545	13517598	-1.6E+07	4726584
786.5999	668279.5	-50.0767	12.71489	13520427	-1.6E+07	4722727
786.7999	668288.5	-50.0687	12.70433	13523256	-1.6E+07	4718870
786.9999	668297.4	-50.0607	12.69377	13526085	-1.6E+07	4715013
787.1999	668306.4	-50.0526	12.68321	13528912	-1.6E+07	4711156
787.3999	668315.4	-50.0446	12.67265	13531739	-1.6E+07	4707298
787.5999	668324.3	-50.0366	12.66209	13534565	-1.6E+07	4703440
787.7999	668333.3	-50.0286	12.65153	13537391	-1.6E+07	4699582
787.9999	668342.3	-50.0205	12.64097	13540215	-1.6E+07	4695724
788.1999	668351.4	-50.0125	12.63041	13543039	-1.6E+07	4691865
788.3999	668360.4	-50.0045	12.61985	13545863	-1.6E+07	4688006
788.5999	668369.4	-49.9965	12.60928	13548685	-1.6E+07	4684146
788.7999	668378.5	-49.9884	12.59872	13551507	-1.6E+07	4680287
788.9999	668387.5	-49.9804	12.58816	13554328	-1.6E+07	4676427
789.1999	668396.6	-49.9724	12.5776	13557149	-1.6E+07	4672567
789.3999	668405.7	-49.9644	12.56703	13559968	-1.6E+07	4668707
789.5999	668414.8	-49.9563	12.55647	13562787	-1.6E+07	4664846
789.7999	668423.9	-49.9483	12.5459	13565605	-1.6E+07	4660985
789.9999	668433.1	-49.9403	12.53534	13568423	-1.6E+07	4657124

790.1999	668442.2	-49.9323	12.52478	13571240	-1.6E+07	4653263
790.3999	668451.3	-49.9243	12.51421	13574056	-1.6E+07	4649401
790.5999	668460.5	-49.9162	12.50365	13576871	-1.6E+07	4645539
790.7999	668469.7	-49.9082	12.49308	13579686	-1.6E+07	4641677
790.9999	668478.9	-49.9002	12.48251	13582500	-1.6E+07	4637815
791.1999	668488.1	-49.8922	12.47195	13585313	-1.6E+07	4633952
791.3999	668497.3	-49.8842	12.46138	13588125	-1.6E+07	4630089
791.5999	668506.5	-49.8762	12.45082	13590937	-1.6E+07	4626226
791.7999	668515.7	-49.8681	12.44025	13593748	-1.6E+07	4622362
791.9999	668525	-49.8601	12.42968	13596558	-1.6E+07	4618499
792.1999	668534.2	-49.8521	12.41912	13599368	-1.6E+07	4614635
792.3999	668543.5	-49.8441	12.40855	13602177	-1.6E+07	4610771
792.5999	668552.8	-49.8361	12.39798	13604985	-1.6E+07	4606906
792.7999	668562.1	-49.8281	12.38741	13607792	-1.6E+07	4603041
792.9999	668571.4	-49.8201	12.37684	13610599	-1.6E+07	4599176
793.1999	668580.7	-49.8121	12.36627	13613405	-1.6E+07	4595311
793.3999	668590	-49.8041	12.3557	13616210	-1.6E+07	4591445
793.5999	668599.4	-49.7961	12.34514	13619015	-1.6E+07	4587580
793.7999	668608.7	-49.788	12.33457	13621819	-1.6E+07	4583714
793.9999	668618.1	-49.78	12.324	13624622	-1.6E+07	4579847
794.1999	668627.5	-49.772	12.31343	13627424	-1.6E+07	4575981
794.3999	668636.9	-49.764	12.30286	13630226	-1.6E+07	4572114
794.5999	668646.3	-49.756	12.29228	13633027	-1.6E+07	4568247
794.7999	668655.7	-49.748	12.28171	13635827	-1.6E+07	4564380
794.9999	668665.1	-49.74	12.27114	13638626	-1.6E+07	4560512
795.1999	668674.5	-49.732	12.26057	13641425	-1.6E+07	4556644
795.3999	668684	-49.724	12.25	13644223	-1.6E+07	4552776
795.5999	668693.4	-49.716	12.23943	13647020	-1.6E+07	4548908
795.7999	668702.9	-49.708	12.22885	13649817	-1.6E+07	4545039
795.9999	668712.4	-49.7	12.21828	13652613	-1.6E+07	4541170
796.1999	668721.9	-49.692	12.20771	13655408	-1.6E+07	4537301
796.3999	668731.4	-49.684	12.19714	13658202	-1.6E+07	4533432
796.5999	668740.9	-49.676	12.18656	13660996	-1.6E+07	4529562
796.7999	668750.4	-49.668	12.17599	13663789	-1.6E+07	4525692
796.9999	668760	-49.66	12.16541	13666581	-1.6E+07	4521822
797.1999	668769.5	-49.652	12.15484	13669373	-1.6E+07	4517952
797.3999	668779.1	-49.6441	12.14426	13672163	-1.6E+07	4514081
797.5999	668788.7	-49.6361	12.13369	13674953	-1.6E+07	4510210
797.7999	668798.3	-49.6281	12.12311	13677743	-1.6E+07	4506339
797.9999	668807.9	-49.6201	12.11254	13680531	-1.6E+07	4502468
798.1999	668817.5	-49.6121	12.10196	13683319	-1.6E+07	4498596
798.3999	668827.1	-49.6041	12.09139	13686106	-1.6E+07	4494724
798.5999	668836.8	-49.5961	12.08081	13688893	-1.6E+07	4490852
798.7999	668846.4	-49.5881	12.07023	13691678	-1.6E+07	4486980
798.9999	668856.1	-49.5801	12.05966	13694463	-1.6E+07	4483107
799.1999	668865.8	-49.5721	12.04908	13697247	-1.6E+07	4479234
799.3999	668875.4	-49.5642	12.0385	13700031	-1.6E+07	4475361

799.5999	668885.1	-49.5562	12.02793	13702814	-1.6E+07	4471488
799.7999	668894.8	-49.5482	12.01735	13705596	-1.6E+07	4467614
799.9999	668904.6	-49.5402	12.00677	13708377	-1.6E+07	4463740
800.1999	668914.3	-49.5322	11.99619	13711158	-1.6E+07	4459866
800.3999	668924	-49.5242	11.98561	13713938	-1.6E+07	4455992
800.5999	668933.8	-49.5162	11.97503	13716717	-1.6E+07	4452117
800.7999	668943.6	-49.5083	11.96445	13719495	-1.6E+07	4448242
800.9999	668953.4	-49.5003	11.95387	13722273	-1.6E+07	4444367
801.1999	668963.2	-49.4923	11.94329	13725050	-1.6E+07	4440491
801.3999	668973	-49.4843	11.93271	13727826	-1.6E+07	4436616
801.5999	668982.8	-49.4763	11.92213	13730601	-1.6E+07	4432740
801.7999	668992.6	-49.4684	11.91155	13733376	-1.6E+07	4428864
801.9999	669002.4	-49.4604	11.90097	13736150	-1.6E+07	4424987
802.1999	669012.3	-49.4524	11.89039	13738924	-1.6E+07	4421111
802.3999	669022.2	-49.4444	11.87981	13741696	-1.6E+07	4417234
802.5999	669032	-49.4365	11.86923	13744468	-1.6E+07	4413357
802.7999	669041.9	-49.4285	11.85865	13747239	-1.6E+07	4409479
802.9999	669051.8	-49.4205	11.84806	13750010	-1.6E+07	4405602
803.1999	669061.7	-49.4125	11.83748	13752779	-1.6E+07	4401724
803.3999	669071.7	-49.4046	11.8269	13755548	-1.6E+07	4397846
803.5999	669081.6	-49.3966	11.81631	13758316	-1.6E+07	4393967
803.7999	669091.6	-49.3886	11.80573	13761084	-1.6E+07	4390089
803.9999	669101.5	-49.3807	11.79515	13763851	-1.6E+07	4386210
804.1999	669111.5	-49.3727	11.78456	13766617	-1.6E+07	4382331
804.3999	669121.5	-49.3647	11.77398	13769382	-1.6E+07	4378451
804.5999	669131.5	-49.3567	11.7634	13772146	-1.6E+07	4374572
804.7999	669141.5	-49.3488	11.75281	13774910	-1.6E+07	4370692
804.9999	669151.5	-49.3408	11.74223	13777673	-1.6E+07	4366812
805.1999	669161.5	-49.3328	11.73164	13780436	-1.6E+07	4362931
805.3999	669171.6	-49.3249	11.72105	13783197	-1.6E+07	4359051
805.5999	669181.6	-49.3169	11.71047	13785958	-1.6E+07	4355170
805.7999	669191.7	-49.3089	11.69988	13788718	-1.6E+07	4351289
805.9999	669201.8	-49.301	11.6893	13791478	-1.6E+07	4347407
806.1999	669211.9	-49.293	11.67871	13794237	-1.6E+07	4343526
806.3999	669222	-49.2851	11.66812	13796995	-1.6E+07	4339644
806.5999	669232.1	-49.2771	11.65754	13799752	-1.6E+07	4335762
806.7999	669242.2	-49.2691	11.64695	13802508	-1.6E+07	4331880
806.9999	669252.4	-49.2612	11.63636	13805264	-1.6E+07	4327997
807.1999	669262.5	-49.2532	11.62577	13808019	-1.6E+07	4324114
807.3999	669272.7	-49.2453	11.61519	13810773	-1.6E+07	4320231
807.5999	669282.8	-49.2373	11.6046	13813527	-1.6E+07	4316348
807.7999	669293	-49.2293	11.59401	13816280	-1.6E+07	4312465
807.9999	669303.2	-49.2214	11.58342	13819032	-1.6E+07	4308581
808.1999	669313.4	-49.2134	11.57283	13821783	-1.6E+07	4304697
808.3999	669323.7	-49.2055	11.56224	13824534	-1.6E+07	4300813
808.5999	669333.9	-49.1975	11.55165	13827284	-1.6E+07	4296928
808.7999	669344.1	-49.1896	11.54106	13830033	-1.6E+07	4293043

808.9999	669354.4	-49.1816	11.53047	13832782	-1.6E+07	4289158
809.1999	669364.7	-49.1736	11.51988	13835529	-1.6E+07	4285273
809.3999	669375	-49.1657	11.50929	13838276	-1.6E+07	4281388
809.5999	669385.2	-49.1577	11.4987	13841023	-1.6E+07	4277502
809.7999	669395.6	-49.1498	11.48811	13843768	-1.6E+07	4273616
809.9999	669405.9	-49.1418	11.47752	13846513	-1.6E+07	4269730
810.1999	669416.2	-49.1339	11.46692	13849257	-1.6E+07	4265844
810.3999	669426.5	-49.1259	11.45633	13852000	-1.6E+07	4261957
810.5999	669436.9	-49.118	11.44574	13854743	-1.6E+07	4258070
810.7999	669447.3	-49.11	11.43515	13857485	-1.6E+07	4254183
810.9999	669457.6	-49.1021	11.42455	13860226	-1.6E+07	4250296
811.1999	669468	-49.0941	11.41396	13862966	-1.6E+07	4246408
811.3999	669478.4	-49.0862	11.40337	13865706	-1.6E+07	4242520
811.5999	669488.8	-49.0783	11.39277	13868445	-1.6E+07	4238632
811.7999	669499.3	-49.0703	11.38218	13871183	-1.6E+07	4234744
811.9999	669509.7	-49.0624	11.37159	13873920	-1.6E+07	4230855
812.1999	669520.2	-49.0544	11.36099	13876657	-1.6E+07	4226967
812.3999	669530.6	-49.0465	11.3504	13879393	-1.6E+07	4223078
812.5999	669541.1	-49.0385	11.3398	13882128	-1.6E+07	4219188
812.7999	669551.6	-49.0306	11.32921	13884863	-1.6E+07	4215299
812.9999	669562.1	-49.0227	11.31861	13887597	-1.6E+07	4211409
813.1999	669572.6	-49.0147	11.30802	13890330	-1.6E+07	4207519
813.3999	669583.1	-49.0068	11.29742	13893062	-1.6E+07	4203629
813.5999	669593.6	-48.9988	11.28682	13895794	-1.6E+07	4199738
813.7999	669604.2	-48.9909	11.27623	13898524	-1.6E+07	4195848
813.9999	669614.7	-48.983	11.26563	13901255	-1.6E+07	4191957
814.1999	669625.3	-48.975	11.25503	13903984	-1.6E+07	4188066
814.3999	669635.9	-48.9671	11.24444	13906712	-1.6E+07	4184174
814.5999	669646.5	-48.9592	11.23384	13909440	-1.6E+07	4180283
814.7999	669657.1	-48.9512	11.22324	13912168	-1.6E+07	4176391
814.9999	669667.7	-48.9433	11.21264	13914894	-1.6E+07	4172499
815.1999	669678.3	-48.9354	11.20205	13917620	-1.6E+07	4168607
815.3999	669689	-48.9274	11.19145	13920345	-1.6E+07	4164714
815.5999	669699.6	-48.9195	11.18085	13923069	-1.6E+07	4160821
815.7999	669710.3	-48.9116	11.17025	13925792	-1.6E+07	4156928
815.9999	669721	-48.9036	11.15965	13928515	-1.6E+07	4153035
816.1999	669731.6	-48.8957	11.14905	13931237	-1.6E+07	4149141
816.3999	669742.3	-48.8878	11.13845	13933958	-1.6E+07	4145248
816.5999	669753.1	-48.8798	11.12785	13936679	-1.6E+07	4141354
816.7999	669763.8	-48.8719	11.11725	13939398	-1.6E+07	4137460
816.9999	669774.5	-48.864	11.10665	13942117	-1.6E+07	4133565
817.1999	669785.3	-48.8561	11.09605	13944836	-1.6E+07	4129671
817.3999	669796	-48.8481	11.08545	13947553	-1.6E+07	4125776
817.5999	669806.8	-48.8402	11.07485	13950270	-1.6E+07	4121881
817.7999	669817.6	-48.8323	11.06425	13952986	-1.6E+07	4117985
817.9999	669828.4	-48.8244	11.05365	13955702	-1.6E+07	4114090
818.1999	669839.2	-48.8164	11.04304	13958416	-1.6E+07	4110194

818.3999	669850	-48.8085	11.03244	13961130	-1.6E+07	4106298
818.5999	669860.8	-48.8006	11.02184	13963843	-1.6E+07	4102402
818.7999	669871.7	-48.7927	11.01124	13966556	-1.6E+07	4098505
818.9999	669882.5	-48.7847	11.00063	13969267	-1.6E+07	4094608
819.1999	669893.4	-48.7768	10.99003	13971978	-1.6E+07	4090711
819.3999	669904.3	-48.7689	10.97943	13974688	-1.6E+07	4086814
819.5999	669915.2	-48.761	10.96882	13977398	-1.6E+07	4082917
819.7999	669926.1	-48.7531	10.95822	13980106	-1.6E+07	4079019
819.9999	669937	-48.7451	10.94762	13982814	-1.6E+07	4075121
820.1999	669947.9	-48.7372	10.93701	13985522	-1.6E+07	4071223
820.3999	669958.8	-48.7293	10.92641	13988228	-1.6E+07	4067325
820.5999	669969.8	-48.7214	10.9158	13990934	-1.6E+07	4063426
820.7999	669980.7	-48.7135	10.9052	13993639	-1.6E+07	4059528
820.9999	669991.7	-48.7056	10.89459	13996343	-1.6E+07	4055629
821.1999	670002.7	-48.6976	10.88399	13999046	-1.6E+07	4051729
821.3999	670013.7	-48.6897	10.87338	14001749	-1.6E+07	4047830
821.5999	670024.7	-48.6818	10.86278	14004451	-1.6E+07	4043930
821.7999	670035.7	-48.6739	10.85217	14007153	-1.6E+07	4040030
821.9999	670046.8	-48.666	10.84156	14009853	-1.6E+07	4036130
822.1999	670057.8	-48.6581	10.83096	14012553	-1.6E+07	4032230
822.3999	670068.9	-48.6502	10.82035	14015252	-1.6E+07	4028329
822.5999	670079.9	-48.6423	10.80974	14017950	-1.6E+07	4024428
822.7999	670091	-48.6343	10.79913	14020648	-1.6E+07	4020527
822.9999	670102.1	-48.6264	10.78853	14023345	-1.6E+07	4016626
823.1999	670113.2	-48.6185	10.77792	14026041	-1.6E+07	4012725
823.3999	670124.3	-48.6106	10.76731	14028736	-1.6E+07	4008823
823.5999	670135.5	-48.6027	10.7567	14031431	-1.6E+07	4004921
823.7999	670146.6	-48.5948	10.74609	14034125	-1.6E+07	4001019
823.9999	670157.8	-48.5869	10.73548	14036818	-1.6E+07	3997116
824.1999	670168.9	-48.579	10.72487	14039510	-1.6E+07	3993214
824.3999	670180.1	-48.5711	10.71427	14042202	-1.6E+07	3989311
824.5999	670191.3	-48.5632	10.70366	14044893	-1.6E+07	3985408
824.7999	670202.5	-48.5553	10.69305	14047583	-1.6E+07	3981505
824.9999	670213.7	-48.5474	10.68244	14050272	-1.6E+07	3977601
825.1999	670224.9	-48.5395	10.67183	14052961	-1.6E+07	3973697
825.3999	670236.2	-48.5316	10.66121	14055649	-1.6E+07	3969793
825.5999	670247.4	-48.5237	10.6506	14058336	-1.6E+07	3965889
825.7999	670258.7	-48.5158	10.63999	14061022	-1.6E+07	3961985
825.9999	670269.9	-48.5079	10.62938	14063708	-1.6E+07	3958080
826.1999	670281.2	-48.5	10.61877	14066393	-1.6E+07	3954175
826.3999	670292.5	-48.4921	10.60816	14069077	-1.6E+07	3950270
826.5999	670303.8	-48.4842	10.59755	14071761	-1.6E+07	3946365
826.7999	670315.1	-48.4763	10.58693	14074443	-1.6E+07	3942459
826.9999	670326.5	-48.4684	10.57632	14077125	-1.6E+07	3938554
827.1999	670337.8	-48.4605	10.56571	14079806	-1.6E+07	3934648
827.3999	670349.2	-48.4526	10.5551	14082487	-1.6E+07	3930742
827.5999	670360.5	-48.4447	10.54448	14085167	-1.6E+07	3926835

827.7999	670371.9	-48.4368	10.53387	14087846	-1.6E+07	3922929
827.9999	670383.3	-48.4289	10.52326	14090524	-1.6E+07	3919022
828.1999	670394.7	-48.421	10.51264	14093201	-1.6E+07	3915115
828.3999	670406.1	-48.4131	10.50203	14095878	-1.6E+07	3911207
828.5999	670417.5	-48.4052	10.49141	14098554	-1.6E+07	3907300
828.7999	670429	-48.3973	10.4808	14101229	-1.6E+07	3903392
828.9999	670440.4	-48.3895	10.47018	14103904	-1.6E+07	3899484
829.1999	670451.9	-48.3816	10.45957	14106578	-1.6E+07	3895576
829.3999	670463.4	-48.3737	10.44895	14109251	-1.6E+07	3891668
829.5999	670474.9	-48.3658	10.43834	14111923	-1.6E+07	3887759
829.7999	670486.4	-48.3579	10.42772	14114595	-1.6E+07	3883850
829.9999	670497.9	-48.35	10.41711	14117265	-1.6E+07	3879941
830.1999	670509.4	-48.3421	10.40649	14119935	-1.6E+07	3876032
830.3999	670520.9	-48.3342	10.39587	14122605	-1.6E+07	3872123
830.5999	670532.5	-48.3264	10.38526	14125273	-1.6E+07	3868213
830.7999	670544	-48.3185	10.37464	14127941	-1.6E+07	3864303
830.9999	670555.6	-48.3106	10.36402	14130608	-1.6E+07	3860393
831.1999	670567.2	-48.3027	10.35341	14133274	-1.6E+07	3856483
831.3999	670578.8	-48.2948	10.34279	14135940	-1.6E+07	3852572
831.5999	670590.4	-48.2869	10.33217	14138605	-1.6E+07	3848661
831.7999	670602	-48.2791	10.32155	14141269	-1.6E+07	3844750
831.9999	670613.6	-48.2712	10.31093	14143932	-1.6E+07	3840839
832.1999	670625.3	-48.2633	10.30032	14146595	-1.6E+07	3836928
832.3999	670636.9	-48.2554	10.2897	14149257	-1.6E+07	3833016
832.5999	670648.6	-48.2475	10.27908	14151918	-1.6E+07	3829104
832.7999	670660.2	-48.2397	10.26846	14154578	-1.6E+07	3825192
832.9999	670671.9	-48.2318	10.25784	14157238	-1.6E+07	3821280
833.1999	670683.6	-48.2239	10.24722	14159896	-1.6E+07	3817368
833.3999	670695.3	-48.216	10.2366	14162554	-1.6E+07	3813455
833.5999	670707.1	-48.2081	10.22598	14165212	-1.6E+07	3809542
833.7999	670718.8	-48.2003	10.21536	14167868	-1.6E+07	3805629
833.9999	670730.6	-48.1924	10.20474	14170524	-1.6E+07	3801716
834.1999	670742.3	-48.1845	10.19412	14173179	-1.6E+07	3797802
834.3999	670754.1	-48.1766	10.1835	14175834	-1.6E+07	3793888
834.5999	670765.9	-48.1688	10.17288	14178487	-1.6E+07	3789974
834.7999	670777.7	-48.1609	10.16225	14181140	-1.6E+07	3786060
834.9999	670789.5	-48.153	10.15163	14183792	-1.6E+07	3782146
835.1999	670801.3	-48.1451	10.14101	14186443	-1.6E+07	3778231
835.3999	670813.1	-48.1373	10.13039	14189094	-1.6E+07	3774316
835.5999	670825	-48.1294	10.11977	14191744	-1.6E+07	3770401
835.7999	670836.8	-48.1215	10.10914	14194393	-1.6E+07	3766486
835.9999	670848.7	-48.1137	10.09852	14197041	-1.6E+07	3762571
836.1999	670860.6	-48.1058	10.0879	14199689	-1.6E+07	3758655
836.3999	670872.5	-48.0979	10.07728	14202336	-1.6E+07	3754739
836.5999	670884.4	-48.0901	10.06665	14204982	-1.6E+07	3750823
836.7999	670896.3	-48.0822	10.05603	14207627	-1.6E+07	3746907
836.9999	670908.2	-48.0743	10.0454	14210272	-1.6E+07	3742990

837.1999	670920.1	-48.0665	10.03478	14212916	-1.6E+07	3739073
837.3999	670932.1	-48.0586	10.02416	14215559	-1.6E+07	3735156
837.5999	670944.1	-48.0507	10.01353	14218201	-1.6E+07	3731239
837.7999	670956	-48.0429	10.00291	14220843	-1.6E+07	3727322
837.9999	670968	-48.035	9.992282	14223483	-1.6E+07	3723404
838.1999	670980	-48.0271	9.981657	14226123	-1.6E+07	3719487
838.3999	670992	-48.0193	9.971031	14228763	-1.6E+07	3715569
838.5999	671004	-48.0114	9.960406	14231401	-1.6E+07	3711650
838.7999	671016.1	-48.0035	9.94978	14234039	-1.6E+07	3707732
838.9999	671028.1	-47.9957	9.939154	14236676	-1.6E+07	3703814
839.1999	671040.2	-47.9878	9.928527	14239313	-1.6E+07	3699895
839.3999	671052.3	-47.98	9.917901	14241948	-1.6E+07	3695976
839.5999	671064.3	-47.9721	9.907274	14244583	-1.6E+07	3692056
839.7999	671076.4	-47.9642	9.896647	14247217	-1.6E+07	3688137
839.9999	671088.5	-47.9564	9.88602	14249850	-1.6E+07	3684217
840.1999	671100.7	-47.9485	9.875393	14252483	-1.6E+07	3680298
840.3999	671112.8	-47.9407	9.864765	14255115	-1.6E+07	3676378
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840.7999	671137.1	-47.925	9.84351	14260376	-1.6E+07	3668537
840.9999	671149.2	-47.9171	9.832881	14263006	-1.6E+07	3664616
841.1999	671161.4	-47.9092	9.822253	14265634	-1.6E+07	3660695
841.3999	671173.6	-47.9014	9.811624	14268262	-1.6E+07	3656774
841.5999	671185.8	-47.8935	9.800995	14270890	-1.6E+07	3652853
841.7999	671198	-47.8857	9.790366	14273516	-1.6E+07	3648931
841.9999	671210.2	-47.8778	9.779737	14276142	-1.6E+07	3645010
842.1999	671222.5	-47.87	9.769108	14278767	-1.6E+07	3641088
842.3999	671234.7	-47.8621	9.758478	14281391	-1.6E+07	3637166
842.5999	671247	-47.8543	9.747848	14284015	-1.6E+07	3633243
842.7999	671259.3	-47.8464	9.737218	14286638	-1.6E+07	3629321
842.9999	671271.5	-47.8386	9.726588	14289260	-1.6E+07	3625398
843.1999	671283.8	-47.8307	9.715957	14291881	-1.6E+07	3621475
843.3999	671296.1	-47.8229	9.705326	14294501	-1.6E+07	3617552
843.5999	671308.5	-47.815	9.694695	14297121	-1.6E+07	3613629
843.7999	671320.8	-47.8072	9.684064	14299740	-1.6E+07	3609705
843.9999	671333.1	-47.7993	9.673433	14302358	-1.6E+07	3605782
844.1999	671345.5	-47.7915	9.662801	14304976	-1.6E+07	3601858
844.3999	671357.9	-47.7836	9.652169	14307593	-1.6E+07	3597934
844.5999	671370.2	-47.7758	9.641537	14310209	-1.6E+07	3594009
844.7999	671382.6	-47.768	9.630905	14312824	-1.6E+07	3590085
844.9999	671395	-47.7601	9.620273	14315438	-1.6E+07	3586160
845.1999	671407.5	-47.7523	9.60964	14318052	-1.6E+07	3582235
845.3999	671419.9	-47.7444	9.599007	14320665	-1.6E+07	3578310
845.5999	671432.3	-47.7366	9.588374	14323277	-1.6E+07	3574385
845.7999	671444.8	-47.7287	9.577741	14325889	-1.6E+07	3570459
845.9999	671457.2	-47.7209	9.567107	14328499	-1.6E+07	3566533
846.1999	671469.7	-47.7131	9.556473	14331109	-1.6E+07	3562607
846.3999	671482.2	-47.7052	9.545839	14333718	-1.6E+07	3558681

846.5999	671494.7	-47.6974	9.535205	14336327	-1.6E+07	3554755
846.7999	671507.2	-47.6895	9.524571	14338934	-1.6E+07	3550828
846.9999	671519.7	-47.6817	9.513937	14341541	-1.6E+07	3546902
847.1999	671532.3	-47.6739	9.503302	14344147	-1.6E+07	3542975
847.3999	671544.8	-47.666	9.492667	14346753	-1.6E+07	3539048
847.5999	671557.4	-47.6582	9.482032	14349357	-1.6E+07	3535120
847.7999	671569.9	-47.6503	9.471396	14351961	-1.6E+07	3531193
847.9999	671582.5	-47.6425	9.460761	14354564	-1.6E+07	3527265
848.1999	671595.1	-47.6347	9.450125	14357167	-1.6E+07	3523337
848.3999	671607.7	-47.6268	9.439489	14359768	-1.6E+07	3519409
848.5999	671620.3	-47.619	9.428853	14362369	-1.6E+07	3515481
848.7999	671633	-47.6112	9.418216	14364969	-1.6E+07	3511552
848.9999	671645.6	-47.6033	9.40758	14367569	-1.6E+07	3507624
849.1999	671658.2	-47.5955	9.396943	14370167	-1.6E+07	3503695
849.3999	671670.9	-47.5877	9.386306	14372765	-1.6E+07	3499765
849.5999	671683.6	-47.5798	9.375669	14375362	-1.6E+07	3495836
849.7999	671696.3	-47.572	9.365031	14377958	-1.6E+07	3491907
849.9999	671709	-47.5642	9.354394	14380554	-1.6E+07	3487977
850.1999	671721.7	-47.5563	9.343756	14383149	-1.6E+07	3484047
850.3999	671734.4	-47.5485	9.333118	14385743	-1.6E+07	3480117
850.5999	671747.1	-47.5407	9.32248	14388336	-1.6E+07	3476187
850.7999	671759.9	-47.5329	9.311841	14390928	-1.6E+07	3472256
850.9999	671772.7	-47.525	9.301203	14393520	-1.6E+07	3468326
851.1999	671785.4	-47.5172	9.290564	14396111	-1.6E+07	3464395
851.3999	671798.2	-47.5094	9.279925	14398701	-1.6E+07	3460464
851.5999	671811	-47.5015	9.269286	14401291	-1.6E+07	3456532
851.7999	671823.8	-47.4937	9.258646	14403880	-1.6E+07	3452601
851.9999	671836.6	-47.4859	9.248007	14406468	-1.6E+07	3448669
852.1999	671849.5	-47.4781	9.237367	14409055	-1.6E+07	3444738
852.3999	671862.3	-47.4702	9.226727	14411641	-1.6E+07	3440806
852.5999	671875.2	-47.4624	9.216087	14414227	-1.6E+07	3436873
852.7999	671888	-47.4546	9.205446	14416812	-1.6E+07	3432941
852.9999	671900.9	-47.4468	9.194806	14419396	-1.6E+07	3429008
853.1999	671913.8	-47.439	9.184165	14421979	-1.6E+07	3425076
853.3999	671926.7	-47.4311	9.173524	14424562	-1.6E+07	3421143
853.5999	671939.6	-47.4233	9.162883	14427144	-1.6E+07	3417209
853.7999	671952.5	-47.4155	9.152241	14429725	-1.6E+07	3413276
853.9999	671965.5	-47.4077	9.1416	14432305	-1.6E+07	3409342
854.1999	671978.4	-47.3999	9.130958	14434885	-1.6E+07	3405409
854.3999	671991.4	-47.392	9.120316	14437464	-1.6E+07	3401475
854.5999	672004.4	-47.3842	9.109674	14440042	-1.6E+07	3397541
854.7999	672017.4	-47.3764	9.099031	14442619	-1.6E+07	3393606
854.9999	672030.4	-47.3686	9.088389	14445195	-1.6E+07	3389672
855.1999	672043.4	-47.3608	9.077746	14447771	-1.6E+07	3385737
855.3999	672056.4	-47.3529	9.067103	14450346	-1.6E+07	3381802
855.5999	672069.4	-47.3451	9.05646	14452920	-1.6E+07	3377867
855.7999	672082.5	-47.3373	9.045816	14455494	-1.6E+07	3373932

855.9999	672095.5	-47.3295	9.035173	14458067	-1.6E+07	3369996
856.1999	672108.6	-47.3217	9.024529	14460639	-1.6E+07	3366061
856.3999	672121.7	-47.3139	9.013885	14463210	-1.6E+07	3362125
856.5999	672134.8	-47.3061	9.003241	14465780	-1.6E+07	3358189
856.7999	672147.9	-47.2982	8.992597	14468350	-1.6E+07	3354253
856.9999	672161	-47.2904	8.981952	14470919	-1.6E+07	3350316
857.1999	672174.1	-47.2826	8.971307	14473487	-1.6E+07	3346380
857.3999	672187.3	-47.2748	8.960662	14476054	-1.6E+07	3342443
857.5999	672200.4	-47.267	8.950017	14478621	-1.6E+07	3338506
857.7999	672213.6	-47.2592	8.939372	14481187	-1.6E+07	3334569
857.9999	672226.7	-47.2514	8.928726	14483752	-1.6E+07	3330631
858.1999	672239.9	-47.2436	8.918081	14486316	-1.6E+07	3326694
858.3999	672253.1	-47.2358	8.907435	14488880	-1.6E+07	3322756
858.5999	672266.3	-47.228	8.896789	14491443	-1.6E+07	3318818
858.7999	672279.6	-47.2201	8.886143	14494005	-1.6E+07	3314880
858.9999	672292.8	-47.2123	8.875496	14496566	-1.6E+07	3310942
859.1999	672306.1	-47.2045	8.864849	14499126	-1.6E+07	3307003
859.3999	672319.3	-47.1967	8.854203	14501686	-1.6E+07	3303065
859.5999	672332.6	-47.1889	8.843556	14504245	-1.6E+07	3299126
859.7999	672345.9	-47.1811	8.832908	14506803	-1.6E+07	3295187
859.9999	672359.2	-47.1733	8.822261	14509361	-1.6E+07	3291248
860.1999	672372.5	-47.1655	8.811613	14511918	-1.6E+07	3287308
860.3999	672385.8	-47.1577	8.800966	14514473	-1.6E+07	3283369
860.5999	672399.1	-47.1499	8.790318	14517029	-1.6E+07	3279429
860.7999	672412.5	-47.1421	8.77967	14519583	-1.6E+07	3275489
860.9999	672425.8	-47.1343	8.769021	14522137	-1.6E+07	3271549
861.1999	672439.2	-47.1265	8.758373	14524690	-1.6E+07	3267609
861.3999	672452.6	-47.1187	8.747724	14527242	-1.6E+07	3263668
861.5999	672465.9	-47.1109	8.737075	14529793	-1.6E+07	3259727
861.7999	672479.4	-47.1031	8.726426	14532344	-1.6E+07	3255787
861.9999	672492.8	-47.0953	8.715777	14534893	-1.6E+07	3251846
862.1999	672506.2	-47.0875	8.705127	14537442	-1.6E+07	3247904
862.3999	672519.6	-47.0797	8.694478	14539991	-1.6E+07	3243963
862.5999	672533.1	-47.0719	8.683828	14542538	-1.6E+07	3240021
862.7999	672546.5	-47.0641	8.673178	14545085	-1.6E+07	3236080
862.9999	672560	-47.0563	8.662527	14547631	-1.6E+07	3232138
863.1999	672573.5	-47.0485	8.651877	14550176	-1.6E+07	3228196
863.3999	672587	-47.0407	8.641226	14552720	-1.6E+07	3224253
863.5999	672600.5	-47.0329	8.630576	14555264	-1.6E+07	3220311
863.7999	672614	-47.0251	8.619925	14557807	-1.6E+07	3216368
863.9999	672627.6	-47.0173	8.609274	14560349	-1.6E+07	3212425
864.1999	672641.1	-47.0095	8.598622	14562891	-1.6E+07	3208482
864.3999	672654.7	-47.0017	8.587971	14565431	-1.6E+07	3204539
864.5999	672668.2	-46.9939	8.577319	14567971	-1.6E+07	3200596
864.7999	672681.8	-46.9861	8.566667	14570510	-1.6E+07	3196652
864.9999	672695.4	-46.9784	8.556015	14573048	-1.6E+07	3192708
865.1999	672709	-46.9706	8.545363	14575586	-1.6E+07	3188764

865.3999	672722.6	-46.9628	8.534711	14578123	-1.6E+07	3184820
865.5999	672736.2	-46.955	8.524058	14580659	-1.6E+07	3180876
865.7999	672749.9	-46.9472	8.513405	14583194	-1.6E+07	3176932
865.9999	672763.5	-46.9394	8.502752	14585728	-1.6E+07	3172987
866.1999	672777.2	-46.9316	8.492099	14588262	-1.6E+07	3169042
866.3999	672790.9	-46.9238	8.481446	14590795	-1.6E+07	3165097
866.5999	672804.6	-46.916	8.470792	14593327	-1.6E+07	3161152
866.7999	672818.3	-46.9082	8.460139	14595859	-1.6E+07	3157207
866.9999	672832	-46.9005	8.449485	14598389	-1.6E+07	3153261
867.1999	672845.7	-46.8927	8.438831	14600919	-1.6E+07	3149315
867.3999	672859.4	-46.8849	8.428177	14603448	-1.6E+07	3145369
867.5999	672873.2	-46.8771	8.417522	14605976	-1.6E+07	3141423
867.7999	672886.9	-46.8693	8.406868	14608504	-1.6E+07	3137477
867.9999	672900.7	-46.8615	8.396213	14611031	-1.6E+07	3133531
868.1999	672914.5	-46.8537	8.385558	14613557	-1.6E+07	3129584
868.3999	672928.3	-46.846	8.374903	14616082	-1.6E+07	3125637
868.5999	672942.1	-46.8382	8.364248	14618607	-1.6E+07	3121690
868.7999	672955.9	-46.8304	8.353592	14621130	-1.6E+07	3117743
868.9999	672969.7	-46.8226	8.342937	14623653	-1.6E+07	3113796
869.1999	672983.6	-46.8148	8.332281	14626175	-1.6E+07	3109849
869.3999	672997.4	-46.807	8.321625	14628697	-1.6E+07	3105901
869.5999	673011.3	-46.7993	8.310969	14631217	-1.6E+07	3101953
869.7999	673025.2	-46.7915	8.300312	14633737	-1.6E+07	3098005
869.9999	673039.1	-46.7837	8.289656	14636256	-1.6E+07	3094057
870.1999	673053	-46.7759	8.278999	14638775	-1.6E+07	3090109
870.3999	673066.9	-46.7681	8.268342	14641292	-1.6E+07	3086160
870.5999	673080.8	-46.7604	8.257685	14643809	-1.6E+07	3082212
870.7999	673094.7	-46.7526	8.247028	14646325	-1.6E+07	3078263
870.9999	673108.7	-46.7448	8.23637	14648840	-1.6E+07	3074314
871.1999	673122.6	-46.737	8.225713	14651355	-1.6E+07	3070364
871.3999	673136.6	-46.7293	8.215055	14653868	-1.6E+07	3066415
871.5999	673150.6	-46.7215	8.204397	14656381	-1.6E+07	3062466
871.7999	673164.6	-46.7137	8.193739	14658893	-1.6E+07	3058516
871.9999	673178.6	-46.7059	8.183081	14661405	-1.6E+07	3054566
872.1999	673192.6	-46.6982	8.172422	14663915	-1.6E+07	3050616
872.3999	673206.7	-46.6904	8.161764	14666425	-1.6E+07	3046666
872.5999	673220.7	-46.6826	8.151105	14668934	-1.6E+07	3042715
872.7999	673234.8	-46.6748	8.140446	14671442	-1.6E+07	3038765
872.9999	673248.8	-46.6671	8.129787	14673950	-1.6E+07	3034814
873.1999	673262.9	-46.6593	8.119128	14676457	-1.6E+07	3030863
873.3999	673277	-46.6515	8.108468	14678963	-1.6E+07	3026912
873.5999	673291.1	-46.6437	8.097809	14681468	-1.6E+07	3022961
873.7999	673305.2	-46.636	8.087149	14683972	-1.6E+07	3019009
873.9999	673319.3	-46.6282	8.076489	14686476	-1.6E+07	3015058
874.1999	673333.5	-46.6204	8.065829	14688979	-1.6E+07	3011106
874.3999	673347.6	-46.6127	8.055168	14691481	-1.6E+07	3007154
874.5999	673361.8	-46.6049	8.044508	14693982	-1.6E+07	3003202

874.7999	673376	-46.5971	8.033847	14696483	-1.6E+07	2999250
874.9999	673390.1	-46.5893	8.023186	14698983	-1.6E+07	2995297
875.1999	673404.3	-46.5816	8.012525	14701482	-1.6E+07	2991345
875.3999	673418.6	-46.5738	8.001864	14703980	-1.6E+07	2987392
875.5999	673432.8	-46.566	7.991203	14706477	-1.6E+07	2983439
875.7999	673447	-46.5583	7.980541	14708974	-1.6E+07	2979486
875.9999	673461.3	-46.5505	7.96988	14711470	-1.6E+07	2975533
876.1999	673475.5	-46.5427	7.959218	14713965	-1.6E+07	2971579
876.3999	673489.8	-46.535	7.948556	14716459	-1.6E+07	2967626
876.5999	673504.1	-46.5272	7.937894	14718953	-1.6E+07	2963672
876.7999	673518.4	-46.5195	7.927231	14721446	-1.6E+07	2959718
876.9999	673532.7	-46.5117	7.916569	14723938	-1.6E+07	2955764
877.1999	673547	-46.5039	7.905906	14726429	-1.6E+07	2951810
877.3999	673561.3	-46.4962	7.895243	14728920	-1.6E+07	2947855
877.5999	673575.6	-46.4884	7.88458	14731409	-1.6E+07	2943901
877.7999	673590	-46.4806	7.873917	14733898	-1.6E+07	2939946
877.9999	673604.4	-46.4729	7.863254	14736387	-1.6E+07	2935991
878.1999	673618.7	-46.4651	7.85259	14738874	-1.6E+07	2932036
878.3999	673633.1	-46.4574	7.841927	14741361	-1.6E+07	2928081
878.5999	673647.5	-46.4496	7.831263	14743846	-1.6E+07	2924125
878.7999	673661.9	-46.4418	7.820599	14746331	-1.6E+07	2920170
878.9999	673676.4	-46.4341	7.809935	14748816	-1.6E+07	2916214
879.1999	673690.8	-46.4263	7.79927	14751299	-1.6E+07	2912258
879.3999	673705.2	-46.4186	7.788606	14753782	-1.6E+07	2908302
879.5999	673719.7	-46.4108	7.777941	14756264	-1.6E+07	2904346
879.7999	673734.2	-46.403	7.767277	14758745	-1.5E+07	2900389
879.9999	673748.6	-46.3953	7.756612	14761226	-1.5E+07	2896433
880.1999	673763.1	-46.3875	7.745946	14763705	-1.5E+07	2892476
880.3999	673777.6	-46.3798	7.735281	14766184	-1.5E+07	2888519
880.5999	673792.2	-46.372	7.724616	14768662	-1.5E+07	2884562
880.7999	673806.7	-46.3643	7.71395	14771140	-1.5E+07	2880605
880.9999	673821.2	-46.3565	7.703284	14773616	-1.5E+07	2876648
881.1999	673835.8	-46.3487	7.692618	14776092	-1.5E+07	2872690
881.3999	673850.4	-46.341	7.681952	14778567	-1.5E+07	2868732
881.5999	673864.9	-46.3332	7.671286	14781041	-1.5E+07	2864774
881.7999	673879.5	-46.3255	7.66062	14783514	-1.5E+07	2860816
881.9999	673894.1	-46.3177	7.649953	14785987	-1.5E+07	2856858
882.1999	673908.7	-46.31	7.639286	14788459	-1.5E+07	2852900
882.3999	673923.4	-46.3022	7.628619	14790930	-1.5E+07	2848941
882.5999	673938	-46.2945	7.617952	14793400	-1.5E+07	2844983
882.7999	673952.6	-46.2867	7.607285	14795870	-1.5E+07	2841024
882.9999	673967.3	-46.279	7.596618	14798339	-1.5E+07	2837065
883.1999	673982	-46.2712	7.58595	14800807	-1.5E+07	2833106
883.3999	673996.7	-46.2635	7.575283	14803274	-1.5E+07	2829147
883.5999	674011.4	-46.2557	7.564615	14805740	-1.5E+07	2825187
883.7999	674026.1	-46.248	7.553947	14808206	-1.5E+07	2821228
883.9999	674040.8	-46.2402	7.543279	14810671	-1.5E+07	2817268

884.1999	674055.5	-46.2325	7.53261	14813135	-1.5E+07	2813308
884.3999	674070.3	-46.2247	7.521942	14815598	-1.5E+07	2809348
884.5999	674085	-46.217	7.511273	14818061	-1.5E+07	2805388
884.7999	674099.8	-46.2092	7.500604	14820522	-1.5E+07	2801427
884.9999	674114.6	-46.2015	7.489935	14822983	-1.5E+07	2797467
885.1999	674129.3	-46.1937	7.479266	14825444	-1.5E+07	2793506
885.3999	674144.1	-46.186	7.468597	14827903	-1.5E+07	2789545
885.5999	674159	-46.1783	7.457928	14830362	-1.5E+07	2785584
885.7999	674173.8	-46.1705	7.447258	14832820	-1.5E+07	2781623
885.9999	674188.6	-46.1628	7.436588	14835277	-1.5E+07	2777662
886.1999	674203.5	-46.155	7.425919	14837733	-1.5E+07	2773700
886.3999	674218.3	-46.1473	7.415249	14840188	-1.5E+07	2769738
886.5999	674233.2	-46.1395	7.404578	14842643	-1.5E+07	2765777
886.7999	674248.1	-46.1318	7.393908	14845097	-1.5E+07	2761815
886.9999	674263	-46.1241	7.383238	14847550	-1.5E+07	2757853
887.1999	674277.9	-46.1163	7.372567	14850003	-1.5E+07	2753890
887.3999	674292.8	-46.1086	7.361896	14852454	-1.5E+07	2749928
887.5999	674307.8	-46.1008	7.351225	14854905	-1.5E+07	2745965
887.7999	674322.7	-46.0931	7.340554	14857355	-1.5E+07	2742003
887.9999	674337.7	-46.0853	7.329883	14859805	-1.5E+07	2738040
888.1999	674352.6	-46.0776	7.319212	14862253	-1.5E+07	2734077
888.3999	674367.6	-46.0699	7.30854	14864701	-1.5E+07	2730113
888.5999	674382.6	-46.0621	7.297868	14867148	-1.5E+07	2726150
888.7999	674397.6	-46.0544	7.287196	14869594	-1.5E+07	2722187
888.9999	674412.6	-46.0467	7.276524	14872039	-1.5E+07	2718223
889.1999	674427.6	-46.0389	7.265852	14874484	-1.5E+07	2714259
889.3999	674442.7	-46.0312	7.25518	14876928	-1.5E+07	2710295
889.5999	674457.7	-46.0234	7.244508	14879371	-1.5E+07	2706331
889.7999	674472.8	-46.0157	7.233835	14881813	-1.5E+07	2702367
889.9999	674487.9	-46.008	7.223162	14884254	-1.5E+07	2698403
890.1999	674503	-46.0002	7.212489	14886695	-1.5E+07	2694438
890.3999	674518.1	-45.9925	7.201816	14889135	-1.5E+07	2690473
890.5999	674533.2	-45.9848	7.191143	14891574	-1.5E+07	2686508
890.7999	674548.3	-45.977	7.18047	14894012	-1.5E+07	2682543
890.9999	674563.4	-45.9693	7.169796	14896450	-1.5E+07	2678578
891.1999	674578.6	-45.9616	7.159123	14898887	-1.5E+07	2674613
891.3999	674593.7	-45.9538	7.148449	14901323	-1.5E+07	2670647
891.5999	674608.9	-45.9461	7.137775	14903758	-1.5E+07	2666682
891.7999	674624.1	-45.9384	7.127101	14906192	-1.5E+07	2662716
891.9999	674639.3	-45.9306	7.116427	14908626	-1.5E+07	2658750
892.1999	674654.5	-45.9229	7.105752	14911059	-1.5E+07	2654784
892.3999	674669.7	-45.9152	7.095078	14913491	-1.5E+07	2650818
892.5999	674684.9	-45.9074	7.084403	14915922	-1.5E+07	2646852
892.7999	674700.2	-45.8997	7.073728	14918353	-1.5E+07	2642885
892.9999	674715.4	-45.892	7.063053	14920783	-1.5E+07	2638918
893.1999	674730.7	-45.8843	7.052378	14923212	-1.5E+07	2634952
893.3999	674745.9	-45.8765	7.041703	14925640	-1.5E+07	2630985

893.5999	674761.2	-45.8688	7.031028	14928067	-1.5E+07	2627018
893.7999	674776.5	-45.8611	7.020352	14930494	-1.5E+07	2623050
893.9999	674791.8	-45.8533	7.009676	14932919	-1.5E+07	2619083
894.1999	674807.2	-45.8456	6.999001	14935345	-1.5E+07	2615115
894.3999	674822.5	-45.8379	6.988325	14937769	-1.5E+07	2611148
894.5999	674837.8	-45.8302	6.977648	14940192	-1.5E+07	2607180
894.7999	674853.2	-45.8224	6.966972	14942615	-1.5E+07	2603212
894.9999	674868.6	-45.8147	6.956296	14945037	-1.5E+07	2599244
895.1999	674884	-45.807	6.945619	14947458	-1.5E+07	2595276
895.3999	674899.4	-45.7993	6.934943	14949878	-1.5E+07	2591307
895.5999	674914.8	-45.7915	6.924266	14952298	-1.5E+07	2587339
895.7999	674930.2	-45.7838	6.913589	14954716	-1.5E+07	2583370
895.9999	674945.6	-45.7761	6.902912	14957134	-1.5E+07	2579401
896.1999	674961	-45.7684	6.892235	14959552	-1.5E+07	2575432
896.3999	674976.5	-45.7606	6.881557	14961968	-1.5E+07	2571463
896.5999	674992	-45.7529	6.87088	14964384	-1.5E+07	2567494
896.7999	675007.4	-45.7452	6.860202	14966798	-1.5E+07	2563524
896.9999	675022.9	-45.7375	6.849524	14969213	-1.5E+07	2559555
897.1999	675038.4	-45.7298	6.838846	14971626	-1.5E+07	2555585
897.3999	675053.9	-45.722	6.828168	14974038	-1.5E+07	2551615
897.5999	675069.5	-45.7143	6.81749	14976450	-1.5E+07	2547645
897.7999	675085	-45.7066	6.806812	14978861	-1.5E+07	2543675
897.9999	675100.6	-45.6989	6.796133	14981271	-1.5E+07	2539705
898.1999	675116.1	-45.6912	6.785454	14983680	-1.5E+07	2535734
898.3999	675131.7	-45.6834	6.774776	14986089	-1.5E+07	2531764
898.5999	675147.3	-45.6757	6.764097	14988497	-1.5E+07	2527793
898.7999	675162.9	-45.668	6.753418	14990903	-1.5E+07	2523822
898.9999	675178.5	-45.6603	6.742739	14993310	-1.5E+07	2519851
899.0099	675194.1	-45.6526	6.732059	14995715	-1.5E+07	2515880
899.1999	675209.7	-45.6448	6.72138	14998120	-1.5E+07	2511909
899.3999	675225.4	-45.6371	6.7107	15000523	-1.5E+07	2507937
899.5999	675241	-45.6294	6.700021	15002926	-1.5E+07	2503966
899.7999	675256.7	-45.6217	6.689341	15005329	-1.5E+07	2499994
900.1999	675272.4	-45.614	6.678661	15007730	-1.5E+07	2496022
900.3999	675288	-45.6063	6.667981	15010131	-1.5E+07	2492050
900.5999	675303.7	-45.5985	6.657301	15012531	-1.5E+07	2488078
900.7999	675319.5	-45.5908	6.64662	15014930	-1.5E+07	2484106
900.9999	675335.2	-45.5831	6.63594	15017328	-1.5E+07	2480134
901.1999	675350.9	-45.5754	6.62526	15019725	-1.5E+07	2476161
901.3999	675366.7	-45.5677	6.614579	15022122	-1.5E+07	2472189
901.5999	675382.4	-45.56	6.603898	15024518	-1.5E+07	2468216
901.7999	675398.2	-45.5523	6.593217	15026913	-1.5E+07	2464243
901.9999	675414	-45.5446	6.582536	15029307	-1.5E+07	2460270
902.1999	675429.8	-45.5368	6.571855	15031701	-1.5E+07	2456297
902.3999	675445.6	-45.5291	6.561174	15034094	-1.5E+07	2452324
902.5999	675461.4	-45.5214	6.550493	15036485	-1.5E+07	2448350

902.7999	675477.2	-45.5137	6.539811	15038877	-1.5E+07	2444377
902.9999	675493.1	-45.506	6.529129	15041267	-1.5E+07	2440403
903.1999	675508.9	-45.4983	6.518448	15043657	-1.5E+07	2436429
903.3999	675524.8	-45.4906	6.507766	15046045	-1.5E+07	2432455
903.5999	675540.7	-45.4829	6.497084	15048433	-1.5E+07	2428481
903.7999	675556.6	-45.4752	6.486402	15050820	-1.5E+07	2424507
903.9999	675572.5	-45.4675	6.475719	15053207	-1.5E+07	2420533
904.1999	675588.4	-45.4598	6.465037	15055592	-1.5E+07	2416558
904.3999	675604.3	-45.452	6.454354	15057977	-1.5E+07	2412584
904.5999	675620.3	-45.4443	6.443672	15060361	-1.5E+07	2408609
904.7999	675636.2	-45.4366	6.432989	15062745	-1.5E+07	2404634
904.9999	675652.2	-45.4289	6.422306	15065127	-1.5E+07	2400659
905.1999	675668.1	-45.4212	6.411623	15067509	-1.5E+07	2396684
905.3999	675684.1	-45.4135	6.40094	15069890	-1.5E+07	2392708
905.5999	675700.1	-45.4058	6.390256	15072270	-1.5E+07	2388733
905.7999	675716.1	-45.3981	6.379573	15074649	-1.5E+07	2384757
905.9999	675732.1	-45.3904	6.368889	15077027	-1.5E+07	2380782
906.1999	675748.2	-45.3827	6.358206	15079405	-1.5E+07	2376806
906.3999	675764.2	-45.375	6.347522	15081782	-1.5E+07	2372830
906.5999	675780.3	-45.3673	6.336838	15084158	-1.5E+07	2368854
906.7999	675796.3	-45.3596	6.326154	15086534	-1.5E+07	2364878
906.9999	675812.4	-45.3519	6.31547	15088908	-1.5E+07	2360901
907.1999	675828.5	-45.3442	6.304785	15091282	-1.5E+07	2356925
907.3999	675844.6	-45.3365	6.294101	15093655	-1.5E+07	2352948
907.5999	675860.7	-45.3288	6.283416	15096027	-1.5E+07	2348971
907.7999	675876.8	-45.3211	6.272731	15098398	-1.5E+07	2344994
907.9999	675893	-45.3134	6.262047	15100769	-1.5E+07	2341017
908.1999	675909.1	-45.3057	6.251362	15103139	-1.5E+07	2337040
908.3999	675925.3	-45.298	6.240677	15105508	-1.5E+07	2333063
908.5999	675941.5	-45.2903	6.229991	15107876	-1.5E+07	2329085
908.7999	675957.6	-45.2826	6.219306	15110243	-1.5E+07	2325108
908.9999	675973.8	-45.2749	6.208621	15112610	-1.5E+07	2321130
909.1999	675990	-45.2672	6.197935	15114976	-1.5E+07	2317152
909.3999	676006.3	-45.2595	6.187249	15117341	-1.5E+07	2313174
909.5999	676022.5	-45.2518	6.176563	15119705	-1.5E+07	2309196
909.7999	676038.7	-45.2441	6.165878	15122069	-1.5E+07	2305218
909.9999	676055	-45.2364	6.155191	15124431	-1.5E+07	2301240
910.1999	676071.3	-45.2287	6.144505	15126793	-1.5E+07	2297261
910.3999	676087.5	-45.221	6.133819	15129154	-1.5E+07	2293283
910.5999	676103.8	-45.2133	6.123132	15131515	-1.5E+07	2289304
910.7999	676120.1	-45.2056	6.112446	15133874	-1.5E+07	2285325
910.9999	676136.4	-45.1979	6.101759	15136233	-1.5E+07	2281346
911.1999	676152.8	-45.1902	6.091072	15138591	-1.5E+07	2277367
911.3999	676169.1	-45.1825	6.080385	15140948	-1.5E+07	2273388
911.5999	676185.4	-45.1748	6.069698	15143304	-1.5E+07	2269409
911.7999	676201.8	-45.1671	6.059011	15145660	-1.5E+07	2265429
911.9999	676218.2	-45.1594	6.048324	15148014	-1.5E+07	2261449

912.1999	676234.6	-45.1517	6.037637	15150368	-1.5E+07	2257470
912.3999	676251	-45.144	6.026949	15152721	-1.5E+07	2253490
912.5999	676267.4	-45.1364	6.016261	15155074	-1.5E+07	2249510
912.7999	676283.8	-45.1287	6.005574	15157425	-1.5E+07	2245530
912.9999	676300.2	-45.121	5.994886	15159776	-1.5E+07	2241550
913.1999	676316.6	-45.1133	5.984198	15162126	-1.5E+07	2237569
913.3999	676333.1	-45.1056	5.97351	15164475	-1.5E+07	2233589
913.5999	676349.6	-45.0979	5.962821	15166824	-1.5E+07	2229608
913.7999	676366	-45.0902	5.952133	15169171	-1.5E+07	2225627
913.9999	676382.5	-45.0825	5.941444	15171518	-1.5E+07	2221646
914.1999	676399	-45.0748	5.930756	15173864	-1.5E+07	2217665
914.3999	676415.5	-45.0671	5.920067	15176209	-1.5E+07	2213684
914.5999	676432.1	-45.0594	5.909378	15178554	-1.5E+07	2209703
914.7999	676448.6	-45.0518	5.898689	15180897	-1.5E+07	2205722
914.9999	676465.1	-45.0441	5.888	15183240	-1.5E+07	2201740
915.1999	676481.7	-45.0364	5.877311	15185582	-1.5E+07	2197759
915.3999	676498.3	-45.0287	5.866622	15187923	-1.5E+07	2193777
915.5999	676514.9	-45.021	5.855932	15190264	-1.5E+07	2189795
915.7999	676531.5	-45.0133	5.845243	15192603	-1.5E+07	2185813
915.9999	676548.1	-45.0056	5.834553	15194942	-1.5E+07	2181831
916.1999	676564.7	-44.9979	5.823864	15197280	-1.5E+07	2177849
916.3999	676581.3	-44.9903	5.813174	15199617	-1.5E+07	2173866
916.5999	676597.9	-44.9826	5.802484	15201954	-1.5E+07	2169884
916.7999	676614.6	-44.9749	5.791794	15204290	-1.5E+07	2165901
916.9999	676631.3	-44.9672	5.781103	15206624	-1.5E+07	2161919
917.1999	676647.9	-44.9595	5.770413	15208958	-1.5E+07	2157936
917.3999	676664.6	-44.9518	5.759723	15211292	-1.5E+07	2153953
917.5999	676681.3	-44.9442	5.749032	15213624	-1.5E+07	2149970
917.7999	676698	-44.9365	5.738341	15215956	-1.5E+07	2145987
917.9999	676714.8	-44.9288	5.727651	15218287	-1.5E+07	2142003
918.1999	676731.5	-44.9211	5.71696	15220617	-1.5E+07	2138020
918.3999	676748.2	-44.9134	5.706269	15222946	-1.5E+07	2134036
918.5999	676765	-44.9057	5.695578	15225274	-1.5E+07	2130053
918.7999	676781.8	-44.8981	5.684886	15227602	-1.5E+07	2126069
918.9999	676798.5	-44.8904	5.674195	15229929	-1.5E+07	2122085
919.1999	676815.3	-44.8827	5.663504	15232255	-1.5E+07	2118101
919.3999	676832.1	-44.875	5.652812	15234580	-1.5E+07	2114117
919.5999	676848.9	-44.8673	5.64212	15236905	-1.5E+07	2110132
919.7999	676865.8	-44.8596	5.631429	15239229	-1.5E+07	2106148
919.9999	676882.6	-44.852	5.620737	15241551	-1.5E+07	2102164
920.1999	676899.5	-44.8443	5.610045	15243874	-1.5E+07	2098179
920.3999	676916.3	-44.8366	5.599353	15246195	-1.5E+07	2094194
920.5999	676933.2	-44.8289	5.58866	15248515	-1.5E+07	2090209
920.7999	676950.1	-44.8212	5.577968	15250835	-1.5E+07	2086224
920.9999	676967	-44.8136	5.567276	15253154	-1.5E+07	2082239
921.1999	676983.9	-44.8059	5.556583	15255472	-1.5E+07	2078254
921.3999	677000.8	-44.7982	5.54589	15257789	-1.5E+07	2074269

921.5999	677017.7	-44.7905	5.535198	15260106	-1.5E+07	2070283
921.7999	677034.7	-44.7829	5.524505	15262422	-1.5E+07	2066298
921.9999	677051.6	-44.7752	5.513812	15264736	-1.5E+07	2062312
922.1999	677068.6	-44.7675	5.503119	15267051	-1.5E+07	2058326
922.3999	677085.6	-44.7598	5.492426	15269364	-1.5E+07	2054340
922.5999	677102.6	-44.7522	5.481732	15271676	-1.5E+07	2050354
922.7999	677119.6	-44.7445	5.471039	15273988	-1.5E+07	2046368
922.9999	677136.6	-44.7368	5.460345	15276299	-1.5E+07	2042382
923.1999	677153.6	-44.7291	5.449652	15278609	-1.5E+07	2038396
923.3999	677170.7	-44.7215	5.438958	15280918	-1.5E+07	2034409
923.5999	677187.7	-44.7138	5.428264	15283227	-1.5E+07	2030423
923.7999	677204.8	-44.7061	5.41757	15285535	-1.5E+07	2026436
923.9999	677221.8	-44.6984	5.406876	15287841	-1.5E+07	2022449
924.1999	677238.9	-44.6908	5.396182	15290148	-1.5E+07	2018462
924.3999	677256	-44.6831	5.385488	15292453	-1.5E+07	2014475
924.5999	677273.1	-44.6754	5.374794	15294757	-1.5E+07	2010488
924.7999	677290.3	-44.6677	5.364099	15297061	-1.5E+07	2006501
924.9999	677307.4	-44.6601	5.353405	15299364	-1.5E+07	2002513
925.1999	677324.5	-44.6524	5.34271	15301666	-1.5E+07	1998526
925.3999	677341.7	-44.6447	5.332015	15303967	-1.5E+07	1994538
925.5999	677358.8	-44.637	5.32132	15306268	-1.5E+07	1990550
925.7999	677376	-44.6294	5.310625	15308568	-1.5E+07	1986563
925.9999	677393.2	-44.6217	5.29993	15310866	-1.5E+07	1982575
926.1999	677410.4	-44.614	5.289235	15313165	-1.5E+07	1978587
926.3999	677427.6	-44.6064	5.27854	15315462	-1.5E+07	1974598
926.5999	677444.9	-44.5987	5.267844	15317758	-1.5E+07	1970610
926.7999	677462.1	-44.591	5.257149	15320054	-1.5E+07	1966622
926.9999	677479.3	-44.5834	5.246453	15322349	-1.5E+07	1962633
927.1999	677496.6	-44.5757	5.235758	15324643	-1.5E+07	1958645
927.3999	677513.9	-44.568	5.225062	15326936	-1.5E+07	1954656
927.5999	677531.1	-44.5604	5.214366	15329229	-1.5E+07	1950667
927.7999	677548.4	-44.5527	5.20367	15331520	-1.5E+07	1946678
927.9999	677565.7	-44.545	5.192974	15333811	-1.5E+07	1942689
928.1999	677583.1	-44.5373	5.182278	15336101	-1.5E+07	1938700
928.3999	677600.4	-44.5297	5.171582	15338391	-1.5E+07	1934711
928.5999	677617.7	-44.522	5.160886	15340679	-1.5E+07	1930722
928.7999	677635.1	-44.5143	5.15019	15342967	-1.5E+07	1926732
928.9999	677652.4	-44.5067	5.139493	15345253	-1.5E+07	1922743
929.1999	677669.8	-44.499	5.128797	15347540	-1.5E+07	1918753
929.3999	677687.2	-44.4914	5.1181	15349825	-1.5E+07	1914763
929.5999	677704.6	-44.4837	5.107404	15352109	-1.5E+07	1910774
929.7999	677722	-44.476	5.096707	15354393	-1.5E+07	1906784
929.9999	677739.4	-44.4684	5.08601	15356676	-1.5E+07	1902794
930.1999	677756.8	-44.4607	5.075313	15358958	-1.5E+07	1898803
930.3999	677774.3	-44.453	5.064616	15361239	-1.5E+07	1894813
930.5999	677791.7	-44.4454	5.053919	15363519	-1.5E+07	1890823
930.7999	677809.2	-44.4377	5.043222	15365799	-1.5E+07	1886832

930.9999	677826.6	-44.43	5.032525	15368078	-1.5E+07	1882842
931.1999	677844.1	-44.4224	5.021827	15370356	-1.5E+07	1878851
931.3999	677861.6	-44.4147	5.01113	15372633	-1.5E+07	1874860
931.5999	677879.1	-44.407	5.000432	15374909	-1.5E+07	1870870
931.7999	677896.7	-44.3994	4.989735	15377185	-1.5E+07	1866879
931.9999	677914.2	-44.3917	4.979037	15379460	-1.5E+07	1862888
932.1999	677931.7	-44.3841	4.968339	15381734	-1.5E+07	1858896
932.3999	677949.3	-44.3764	4.957641	15384007	-1.5E+07	1854905
932.5999	677966.8	-44.3687	4.946943	15386279	-1.5E+07	1850914
932.7999	677984.4	-44.3611	4.936245	15388551	-1.5E+07	1846922
932.9999	678002	-44.3534	4.925547	15390821	-1.5E+07	1842931
933.1999	678019.6	-44.3458	4.914848	15393091	-1.5E+07	1838939
933.3999	678037.2	-44.3381	4.90415	15395360	-1.5E+07	1834947
933.5999	678054.9	-44.3304	4.893452	15397629	-1.5E+07	1830955
933.7999	678072.5	-44.3228	4.882753	15399896	-1.5E+07	1826963
933.9999	678090.1	-44.3151	4.872054	15402163	-1.5E+07	1822971
934.1999	678107.8	-44.3075	4.861356	15404429	-1.5E+07	1818979
934.3999	678125.5	-44.2998	4.850657	15406694	-1.5E+07	1814987
934.5999	678143.1	-44.2921	4.839958	15408958	-1.5E+07	1810994
934.7999	678160.8	-44.2845	4.829259	15411222	-1.5E+07	1807002
934.9999	678178.5	-44.2768	4.81856	15413485	-1.5E+07	1803009
935.1999	678196.3	-44.2692	4.80786	15415747	-1.5E+07	1799016
935.3999	678214	-44.2615	4.797161	15418008	-1.5E+07	1795023
935.5999	678231.7	-44.2539	4.786462	15420268	-1.5E+07	1791031
935.7999	678249.5	-44.2462	4.775762	15422527	-1.5E+07	1787037
935.9999	678267.2	-44.2386	4.765063	15424786	-1.5E+07	1783044
936.1999	678285	-44.2309	4.754363	15427044	-1.5E+07	1779051
936.3999	678302.8	-44.2232	4.743663	15429301	-1.5E+07	1775058
936.5999	678320.6	-44.2156	4.732963	15431557	-1.5E+07	1771064
936.7999	678338.4	-44.2079	4.722263	15433813	-1.5E+07	1767071
936.9999	678356.2	-44.2003	4.711563	15436067	-1.5E+07	1763077
937.1999	678374.1	-44.1926	4.700863	15438321	-1.5E+07	1759084
937.3999	678391.9	-44.185	4.690163	15440574	-1.5E+07	1755090
937.5999	678409.8	-44.1773	4.679463	15442826	-1.5E+07	1751096
937.7999	678427.6	-44.1697	4.668762	15445078	-1.5E+07	1747102
937.9999	678445.5	-44.162	4.658062	15447328	-1.5E+07	1743108
938.1999	678463.4	-44.1544	4.647361	15449578	-1.5E+07	1739114
938.3999	678481.3	-44.1467	4.636661	15451827	-1.5E+07	1735119
938.5999	678499.2	-44.139	4.62596	15454075	-1.5E+07	1731125
938.7999	678517.1	-44.1314	4.615259	15456323	-1.5E+07	1727130
938.9999	678535.1	-44.1237	4.604558	15458569	-1.5E+07	1723136
939.1999	678553	-44.1161	4.593857	15460815	-1.5E+07	1719141
939.3999	678571	-44.1084	4.583156	15463060	-1.5E+07	1715146
939.5999	678588.9	-44.1008	4.572455	15465304	-1.5E+07	1711151
939.7999	678606.9	-44.0931	4.561754	15467547	-1.5E+07	1707156
939.9999	678624.9	-44.0855	4.551053	15469790	-1.5E+07	1703161
940.1999	678642.9	-44.0778	4.540351	15472032	-1.5E+07	1699166

940.3999	678661	-44.0702	4.52965	15474272	-1.5E+07	1695171
940.5999	678679	-44.0625	4.518948	15476512	-1.5E+07	1691175
940.7999	678697	-44.0549	4.508247	15478752	-1.5E+07	1687180
940.9999	678715.1	-44.0472	4.497545	15480990	-1.5E+07	1683184
941.1999	678733.2	-44.0396	4.486843	15483228	-1.5E+07	1679189
941.3999	678751.2	-44.0319	4.476141	15485465	-1.5E+07	1675193
941.5999	678769.3	-44.0243	4.465439	15487701	-1.5E+07	1671197
941.7999	678787.4	-44.0166	4.454737	15489936	-1.5E+07	1667201
941.9999	678805.5	-44.009	4.444035	15492170	-1.5E+07	1663205
942.1999	678823.7	-44.0013	4.433333	15494404	-1.5E+07	1659209
942.3999	678841.8	-43.9937	4.422631	15496637	-1.5E+07	1655213
942.5999	678859.9	-43.9861	4.411928	15498869	-1.5E+07	1651217
942.7999	678878.1	-43.9784	4.401226	15501100	-1.5E+07	1647220
942.9999	678896.3	-43.9708	4.390523	15503330	-1.5E+07	1643224
943.1999	678914.4	-43.9631	4.379821	15505560	-1.5E+07	1639227
943.3999	678932.6	-43.9555	4.369118	15507789	-1.5E+07	1635231
943.5999	678950.8	-43.9478	4.358415	15510017	-1.5E+07	1631234
943.7999	678969.1	-43.9402	4.347712	15512244	-1.5E+07	1627237
943.9999	678987.3	-43.9325	4.337009	15514470	-1.5E+07	1623240
944.1999	679005.5	-43.9249	4.326306	15516696	-1.5E+07	1619243
944.3999	679023.8	-43.9172	4.315603	15518920	-1.5E+07	1615246
944.5999	679042	-43.9096	4.3049	15521144	-1.5E+07	1611249
944.7999	679060.3	-43.902	4.294197	15523367	-1.5E+07	1607251
944.9999	679078.6	-43.8943	4.283494	15525590	-1.5E+07	1603254
945.1999	679096.9	-43.8867	4.27279	15527811	-1.5E+07	1599257
945.3999	679115.2	-43.879	4.262087	15530032	-1.5E+07	1595259
945.5999	679133.5	-43.8714	4.251383	15532251	-1.5E+07	1591261
945.7999	679151.8	-43.8637	4.24068	15534470	-1.5E+07	1587264
945.9999	679170.2	-43.8561	4.229976	15536689	-1.5E+07	1583266
946.1999	679188.5	-43.8484	4.219273	15538906	-1.5E+07	1579268
946.3999	679206.9	-43.8408	4.208569	15541123	-1.5E+07	1575270
946.5999	679225.2	-43.8332	4.197865	15543338	-1.5E+07	1571272
946.7999	679243.6	-43.8255	4.187162	15545553	-1.5E+07	1567274
946.9999	679262	-43.8179	4.176458	15547767	-1.5E+07	1563276
947.1999	679280.4	-43.8102	4.165754	15549981	-1.5E+07	1559278
947.3999	679298.8	-43.8026	4.15505	15552193	-1.5E+07	1555279
947.5999	679317.3	-43.795	4.144346	15554405	-1.5E+07	1551281
947.7999	679335.7	-43.7873	4.133642	15556616	-1.5E+07	1547282
947.9999	679354.1	-43.7797	4.122938	15558826	-1.5E+07	1543284
948.1999	679372.6	-43.772	4.112233	15561035	-1.5E+07	1539285
948.3999	679391.1	-43.7644	4.101529	15563243	-1.5E+07	1535286
948.5999	679409.6	-43.7568	4.090825	15565451	-1.5E+07	1531287
948.7999	679428.1	-43.7491	4.08012	15567658	-1.5E+07	1527288
948.9999	679446.6	-43.7415	4.069416	15569864	-1.5E+07	1523289
949.1999	679465.1	-43.7338	4.058711	15572069	-1.5E+07	1519290
949.3999	679483.6	-43.7262	4.048007	15574273	-1.5E+07	1515291
949.5999	679502.1	-43.7186	4.037302	15576477	-1.5E+07	1511292

949.7999	679520.7	-43.7109	4.026597	15578680	-1.5E+07	1507292
949.9999	679539.3	-43.7033	4.015892	15580882	-1.5E+07	1503293
950.1999	679557.8	-43.6956	4.005187	15583083	-1.5E+07	1499293
950.3999	679576.4	-43.688	3.994482	15585283	-1.5E+07	1495294
950.5999	679595	-43.6804	3.983777	15587482	-1.5E+07	1491294
950.7999	679613.6	-43.6727	3.973072	15589681	-1.5E+07	1487294
950.9999	679632.2	-43.6651	3.962367	15591879	-1.5E+07	1483294
951.1999	679650.9	-43.6575	3.951661	15594076	-1.5E+07	1479294
951.3999	679669.5	-43.6498	3.940956	15596272	-1.5E+07	1475294
951.5999	679688.2	-43.6422	3.930251	15598468	-1.5E+07	1471294
951.7999	679706.8	-43.6346	3.919545	15600662	-1.5E+07	1467294
951.9999	679725.5	-43.6269	3.908839	15602856	-1.5E+07	1463294
952.1999	679744.2	-43.6193	3.898134	15605049	-1.5E+07	1459293
952.3999	679762.9	-43.6116	3.887428	15607241	-1.5E+07	1455293
952.5999	679781.6	-43.604	3.876722	15609432	-1.5E+07	1451292
952.7999	679800.3	-43.5964	3.866016	15611623	-1.5E+07	1447292
952.9999	679819.1	-43.5887	3.85531	15613813	-1.5E+07	1443291
953.1999	679837.8	-43.5811	3.844605	15616002	-1.5E+07	1439290
953.3999	679856.6	-43.5735	3.833898	15618190	-1.5E+07	1435289
953.5999	679875.3	-43.5658	3.823192	15620377	-1.5E+07	1431289
953.7999	679894.1	-43.5582	3.812486	15622563	-1.5E+07	1427288
953.9999	679912.9	-43.5506	3.80178	15624749	-1.5E+07	1423286
954.1999	679931.7	-43.5429	3.791074	15626934	-1.5E+07	1419285
954.3999	679950.5	-43.5353	3.780367	15629118	-1.5E+07	1415284
954.5999	679969.3	-43.5277	3.769661	15631301	-1.5E+07	1411283
954.7999	679988.2	-43.52	3.758954	15633483	-1.5E+07	1407281
954.9999	680007	-43.5124	3.748248	15635665	-1.5E+07	1403280
955.1999	680025.9	-43.5048	3.737541	15637846	-1.5E+07	1399278
955.3999	680044.7	-43.4971	3.726834	15640026	-1.5E+07	1395277
955.5999	680063.6	-43.4895	3.716127	15642205	-1.5E+07	1391275
955.7999	680082.5	-43.4819	3.705421	15644383	-1.5E+07	1387273
955.9999	680101.4	-43.4743	3.694714	15646560	-1.5E+07	1383271
956.1999	680120.3	-43.4666	3.684007	15648737	-1.5E+07	1379269
956.3999	680139.3	-43.459	3.6733	15650913	-1.5E+07	1375267
956.5999	680158.2	-43.4514	3.662593	15653088	-1.5E+07	1371265
956.7999	680177.2	-43.4437	3.651885	15655262	-1.5E+07	1367263
956.9999	680196.1	-43.4361	3.641178	15657436	-1.5E+07	1363261
957.1999	680215.1	-43.4285	3.630471	15659608	-1.5E+07	1359258
957.3999	680234.1	-43.4208	3.619764	15661780	-1.5E+07	1355256
957.5999	680253.1	-43.4132	3.609056	15663951	-1.5E+07	1351253
957.7999	680272.1	-43.4056	3.598349	15666121	-1.5E+07	1347251
957.9999	680291.1	-43.398	3.587641	15668290	-1.5E+07	1343248
958.1999	680310.1	-43.3903	3.576934	15670459	-1.5E+07	1339245
958.3999	680329.2	-43.3827	3.566226	15672626	-1.5E+07	1335242
958.5999	680348.2	-43.3751	3.555518	15674793	-1.5E+07	1331240
958.7999	680367.3	-43.3674	3.54481	15676959	-1.5E+07	1327237
958.9999	680386.4	-43.3598	3.534103	15679125	-1.5E+07	1323234

959.1999	680405.4	-43.3522	3.523395	15681289	-1.5E+07	1319231
959.3999	680424.5	-43.3446	3.512687	15683452	-1.5E+07	1315227
959.5999	680443.7	-43.3369	3.501979	15685615	-1.5E+07	1311224
959.7999	680462.8	-43.3293	3.491271	15687777	-1.5E+07	1307221
959.9999	680481.9	-43.3217	3.480562	15689938	-1.5E+07	1303217
960.1999	680501.1	-43.314	3.469854	15692099	-1.5E+07	1299214
960.3999	680520.2	-43.3064	3.459146	15694258	-1.5E+07	1295210
960.5999	680539.4	-43.2988	3.448438	15696417	-1.5E+07	1291207
960.7999	680558.6	-43.2912	3.437729	15698575	-1.5E+07	1287203
960.9999	680577.7	-43.2835	3.427021	15700732	-1.5E+07	1283199
961.1999	680596.9	-43.2759	3.416312	15702888	-1.5E+07	1279196
961.3999	680616.2	-43.2683	3.405604	15705043	-1.5E+07	1275192
961.5999	680635.4	-43.2607	3.394895	15707198	-1.5E+07	1271188
961.7999	680654.6	-43.253	3.384187	15709352	-1.5E+07	1267184
961.9999	680673.9	-43.2454	3.373478	15711505	-1.5E+07	1263180
962.1999	680693.1	-43.2378	3.362769	15713657	-1.5E+07	1259175
962.3999	680712.4	-43.2302	3.35206	15715808	-1.5E+07	1255171
962.5999	680731.7	-43.2225	3.341352	15717958	-1.5E+07	1251167
962.7999	680751	-43.2149	3.330643	15720108	-1.5E+07	1247162
962.9999	680770.3	-43.2073	3.319934	15722257	-1.5E+07	1243158
963.1999	680789.6	-43.1997	3.309225	15724405	-1.5E+07	1239153
963.3999	680808.9	-43.192	3.298515	15726552	-1.5E+07	1235149
963.5999	680828.2	-43.1844	3.287806	15728699	-1.5E+07	1231144
963.7999	680847.6	-43.1768	3.277097	15730844	-1.5E+07	1227139
963.9999	680866.9	-43.1692	3.266388	15732989	-1.5E+07	1223135
964.1999	680886.3	-43.1616	3.255679	15735133	-1.5E+07	1219130
964.3999	680905.7	-43.1539	3.244969	15737276	-1.5E+07	1215125
964.5999	680925.1	-43.1463	3.23426	15739418	-1.5E+07	1211120
964.7999	680944.5	-43.1387	3.22355	15741560	-1.5E+07	1207115
964.9999	680963.9	-43.1311	3.212841	15743700	-1.5E+07	1203110
965.1999	680983.3	-43.1234	3.202131	15745840	-1.5E+07	1199104
965.3999	681002.8	-43.1158	3.191422	15747979	-1.5E+07	1195099
965.5999	681022.2	-43.1082	3.180712	15750117	-1.5E+07	1191094
965.7999	681041.7	-43.1006	3.170002	15752255	-1.5E+07	1187088
965.9999	681061.2	-43.093	3.159292	15754391	-1.5E+07	1183083
966.1999	681080.7	-43.0853	3.148583	15756527	-1.5E+07	1179077
966.3999	681100.2	-43.0777	3.137873	15758662	-1.5E+07	1175072
966.5999	681119.7	-43.0701	3.127163	15760796	-1.5E+07	1171066
966.7999	681139.2	-43.0625	3.116453	15762929	-1.5E+07	1167060
966.9999	681158.7	-43.0549	3.105743	15765061	-1.5E+07	1163054
967.1999	681178.3	-43.0472	3.095033	15767193	-1.5E+07	1159048
967.3999	681197.8	-43.0396	3.084323	15769324	-1.5E+07	1155043
967.5999	681217.4	-43.032	3.073613	15771454	-1.5E+07	1151037
967.7999	681236.9	-43.0244	3.062902	15773583	-1.5E+07	1147030
967.9999	681256.5	-43.0168	3.052192	15775711	-1.5E+07	1143024
968.1999	681276.1	-43.0091	3.041482	15777839	-1.5E+07	1139018
968.3999	681295.7	-43.0015	3.030771	15779965	-1.5E+07	1135012

968.5999	681315.4	-42.9939	3.020061	15782091	-1.5E+07	1131006
968.7999	681335	-42.9863	3.00935	15784216	-1.5E+07	1126999
968.9999	681354.6	-42.9787	2.99864	15786341	-1.5E+07	1122993
969.1999	681374.3	-42.9711	2.987929	15788464	-1.5E+07	1118986
969.3999	681394	-42.9634	2.977219	15790587	-1.5E+07	1114980
969.5999	681413.6	-42.9558	2.966508	15792708	-1.5E+07	1110973
969.7999	681433.3	-42.9482	2.955797	15794829	-1.5E+07	1106966
969.9999	681453	-42.9406	2.945087	15796949	-1.5E+07	1102960
970.1999	681472.8	-42.933	2.934376	15799069	-1.5E+07	1098953
970.3999	681492.5	-42.9253	2.923665	15801187	-1.5E+07	1094946
970.5999	681512.2	-42.9177	2.912954	15803305	-1.5E+07	1090939
970.7999	681532	-42.9101	2.902243	15805421	-1.5E+07	1086932
970.9999	681551.7	-42.9025	2.891532	15807537	-1.5E+07	1082925
971.1999	681571.5	-42.8949	2.880821	15809653	-1.5E+07	1078918
971.3999	681591.3	-42.8873	2.87011	15811767	-1.5E+07	1074911
971.5999	681611.1	-42.8797	2.859399	15813880	-1.5E+07	1070903
971.7999	681630.9	-42.872	2.848688	15815993	-1.5E+07	1066896
971.9999	681650.7	-42.8644	2.837977	15818105	-1.5E+07	1062889
972.1999	681670.6	-42.8568	2.827266	15820216	-1.5E+07	1058881
972.3999	681690.4	-42.8492	2.816555	15822326	-1.5E+07	1054874
972.5999	681710.2	-42.8416	2.805844	15824435	-1.5E+07	1050866
972.7999	681730.1	-42.834	2.795132	15826544	-1.5E+07	1046859
972.9999	681750	-42.8263	2.784421	15828651	-1.5E+07	1042851
973.1999	681769.9	-42.8187	2.77371	15830758	-1.5E+07	1038843
973.3999	681789.8	-42.8111	2.762998	15832864	-1.5E+07	1034836
973.5999	681809.7	-42.8035	2.752287	15834970	-1.5E+07	1030828
973.7999	681829.6	-42.7959	2.741575	15837074	-1.5E+07	1026820
973.9999	681849.5	-42.7883	2.730864	15839177	-1.5E+07	1022812
974.1999	681869.4	-42.7807	2.720152	15841280	-1.5E+07	1018804
974.3999	681889.4	-42.773	2.709441	15843382	-1.5E+07	1014796
974.5999	681909.4	-42.7654	2.698729	15845483	-1.5E+07	1010788
974.7999	681929.3	-42.7578	2.688018	15847583	-1.5E+07	1006780
974.9999	681949.3	-42.7502	2.677306	15849683	-1.5E+07	1002772
975.1999	681969.3	-42.7426	2.666594	15851781	-1.5E+07	998763.5
975.3999	681989.3	-42.735	2.655882	15853879	-1.5E+07	994755.2
975.5999	682009.3	-42.7274	2.645171	15855976	-1.5E+07	990746.8
975.7999	682029.4	-42.7198	2.634459	15858072	-1.5E+07	986738.4
975.9999	682049.4	-42.7121	2.623747	15860168	-1.5E+07	982730
976.1999	682069.4	-42.7045	2.613035	15862262	-1.5E+07	978721.4
976.3999	682089.5	-42.6969	2.602323	15864356	-1.5E+07	974712.9
976.5999	682109.6	-42.6893	2.591611	15866449	-1.5E+07	970704.2
976.7999	682129.6	-42.6817	2.580899	15868541	-1.5E+07	966695.5
976.9999	682149.7	-42.6741	2.570187	15870632	-1.5E+07	962686.8
977.1999	682169.8	-42.6665	2.559475	15872722	-1.5E+07	958678
977.3999	682190	-42.6589	2.548763	15874812	-1.5E+07	954669.2
977.5999	682210.1	-42.6513	2.538051	15876900	-1.5E+07	950660.3
977.7999	682230.2	-42.6436	2.527338	15878988	-1.5E+07	946651.3

977.9999	682250.4	-42.636	2.516626	15881075	-1.5E+07	942642.3
978.1999	682270.5	-42.6284	2.505914	15883161	-1.5E+07	938633.2
978.3999	682290.7	-42.6208	2.495202	15885247	-1.5E+07	934624.1
978.5999	682310.9	-42.6132	2.484489	15887331	-1.5E+07	930615
978.7999	682331.1	-42.6056	2.473777	15889415	-1.5E+07	926605.7
978.9999	682351.3	-42.598	2.463064	15891498	-1.5E+07	922596.5
979.1999	682371.5	-42.5904	2.452352	15893580	-1.5E+07	918587.2
979.3999	682391.7	-42.5828	2.441639	15895661	-1.5E+07	914577.8
979.5999	682412	-42.5752	2.430927	15897742	-1.5E+07	910568.4
979.7999	682432.2	-42.5676	2.420214	15899821	-1.5E+07	906558.9
979.9999	682452.5	-42.5599	2.409502	15901900	-1.5E+07	902549.4
980.1999	682472.7	-42.5523	2.398789	15903978	-1.5E+07	898539.8
980.3999	682493	-42.5447	2.388077	15906055	-1.5E+07	894530.2
980.5999	682513.3	-42.5371	2.377364	15908131	-1.5E+07	890520.5
980.7999	682533.6	-42.5295	2.366651	15910207	-1.5E+07	886510.8
980.9999	682553.9	-42.5219	2.355938	15912281	-1.5E+07	882501
981.1999	682574.3	-42.5143	2.345226	15914355	-1.5E+07	878491.2
981.3999	682594.6	-42.5067	2.334513	15916428	-1.5E+07	874481.3
981.5999	682614.9	-42.4991	2.3238	15918500	-1.5E+07	870471.4
981.7999	682635.3	-42.4915	2.313087	15920571	-1.5E+07	866461.4
981.9999	682655.7	-42.4839	2.302374	15922642	-1.5E+07	862451.4
982.1999	682676.1	-42.4763	2.291661	15924712	-1.5E+07	858441.4
982.3999	682696.4	-42.4686	2.280948	15926780	-1.5E+07	854431.3
982.5999	682716.9	-42.461	2.270235	15928848	-1.5E+07	850421.1
982.7999	682737.3	-42.4534	2.259522	15930916	-1.5E+07	846410.9
982.9999	682757.7	-42.4458	2.248809	15932982	-1.5E+07	842400.6
983.1999	682778.1	-42.4382	2.238096	15935047	-1.5E+07	838390.3
983.3999	682798.6	-42.4306	2.227383	15937112	-1.5E+07	834380
983.5999	682819	-42.423	2.21667	15939176	-1.5E+07	830369.6
983.7999	682839.5	-42.4154	2.205957	15941239	-1.5E+07	826359.2
983.9999	682860	-42.4078	2.195244	15943301	-1.5E+07	822348.7
984.1999	682880.5	-42.4002	2.18453	15945362	-1.5E+07	818338.1
984.3999	682901	-42.3926	2.173817	15947423	-1.5E+07	814327.6
984.5999	682921.5	-42.385	2.163104	15949483	-1.5E+07	810316.9
984.7999	682942	-42.3774	2.15239	15951542	-1.5E+07	806306.3
984.9999	682962.6	-42.3698	2.141677	15953600	-1.5E+07	802295.5
985.1999	682983.1	-42.3622	2.130964	15955657	-1.5E+07	798284.8
985.3999	683003.7	-42.3546	2.12025	15957713	-1.5E+07	794274
985.5999	683024.2	-42.347	2.109537	15959769	-1.5E+07	790263.1
985.7999	683044.8	-42.3393	2.098823	15961823	-1.5E+07	786252.2
985.9999	683065.4	-42.3317	2.08811	15963877	-1.5E+07	782241.3
986.1999	683086	-42.3241	2.077397	15965930	-1.5E+07	778230.3
986.3999	683106.6	-42.3165	2.066683	15967983	-1.5E+07	774219.3
986.5999	683127.3	-42.3089	2.055969	15970034	-1.5E+07	770208.2
986.7999	683147.9	-42.3013	2.045256	15972085	-1.5E+07	766197.1
986.9999	683168.6	-42.2937	2.034542	15974134	-1.5E+07	762186
987.1999	683189.2	-42.2861	2.023829	15976183	-1.5E+07	758174.8

987.3999	683209.9	-42.2785	2.013115	15978231	-1.5E+07	754163.5
987.5999	683230.6	-42.2709	2.002401	15980279	-1.5E+07	750152.3
987.7999	683251.3	-42.2633	1.991688	15982325	-1.5E+07	746140.9
987.9999	683272	-42.2557	1.980974	15984371	-1.5E+07	742129.6
988.1999	683292.7	-42.2481	1.97026	15986415	-1.5E+07	738118.2
988.3999	683313.4	-42.2405	1.959547	15988459	-1.5E+07	734106.7
988.5999	683334.1	-42.2329	1.948833	15990502	-1.5E+07	730095.2
988.7999	683354.9	-42.2253	1.938119	15992545	-1.5E+07	726083.7
988.9999	683375.6	-42.2177	1.927405	15994586	-1.5E+07	722072.2
989.1999	683396.4	-42.2101	1.916691	15996627	-1.5E+07	718060.5
989.3999	683417.2	-42.2025	1.905977	15998666	-1.5E+07	714048.9
989.5999	683438	-42.1949	1.895263	16000705	-1.5E+07	710037.2
989.7999	683458.8	-42.1873	1.88455	16002743	-1.5E+07	706025.5
989.9999	683479.6	-42.1797	1.873836	16004781	-1.5E+07	702013.7
990.1999	683500.4	-42.1721	1.863122	16006817	-1.4E+07	698001.9
990.3999	683521.3	-42.1645	1.852408	16008853	-1.4E+07	693990.1
990.5999	683542.1	-42.1569	1.841694	16010887	-1.4E+07	689978.2
990.7999	683563	-42.1493	1.83098	16012921	-1.4E+07	685966.3
990.9999	683583.9	-42.1417	1.820266	16014954	-1.4E+07	681954.3
991.1999	683604.7	-42.1341	1.809552	16016987	-1.4E+07	677942.3
991.3999	683625.6	-42.1265	1.798838	16019018	-1.4E+07	673930.3
991.5999	683646.5	-42.1189	1.788123	16021049	-1.4E+07	669918.2
991.7999	683667.5	-42.1113	1.777409	16023079	-1.4E+07	665906.1
991.9999	683688.4	-42.1037	1.766695	16025107	-1.4E+07	661893.9
992.1999	683709.3	-42.0961	1.755981	16027136	-1.4E+07	657881.7
992.3999	683730.3	-42.0885	1.745267	16029163	-1.4E+07	653869.5
992.5999	683751.2	-42.0809	1.734553	16031189	-1.4E+07	649857.3
992.7999	683772.2	-42.0733	1.723839	16033215	-1.4E+07	645845
992.9999	683793.2	-42.0657	1.713124	16035240	-1.4E+07	641832.6
993.1999	683814.2	-42.0581	1.70241	16037264	-1.4E+07	637820.3
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993.5999	683856.2	-42.0429	1.680982	16041309	-1.4E+07	629795.4
993.7999	683877.2	-42.0353	1.670267	16043330	-1.4E+07	625783
993.9999	683898.3	-42.0277	1.659553	16045351	-1.4E+07	621770.4
994.1999	683919.3	-42.0201	1.648839	16047371	-1.4E+07	617757.9
994.3999	683940.4	-42.0125	1.638124	16049390	-1.4E+07	613745.3
994.5999	683961.5	-42.0049	1.62741	16051408	-1.4E+07	609732.7
994.7999	683982.5	-41.9973	1.616696	16053425	-1.4E+07	605720.1
994.9999	684003.6	-41.9897	1.605981	16055442	-1.4E+07	601707.4
995.1999	684024.7	-41.9821	1.595267	16057457	-1.4E+07	597694.7
995.3999	684045.9	-41.9745	1.584553	16059472	-1.4E+07	593681.9
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995.7999	684088.1	-41.9593	1.563124	16063499	-1.4E+07	585656.3
995.9999	684109.3	-41.9517	1.552409	16065511	-1.4E+07	581643.5
996.1999	684130.4	-41.9441	1.541695	16067523	-1.4E+07	577630.6
996.3999	684151.6	-41.9365	1.53098	16069533	-1.4E+07	573617.7
996.5999	684172.8	-41.9289	1.520266	16071543	-1.4E+07	569604.8

996.7999	684194	-41.9213	1.509551	16073552	-1.4E+07	565591.8
996.9999	684215.2	-41.9137	1.498837	16075560	-1.4E+07	561578.8
997.1999	684236.4	-41.9061	1.488122	16077567	-1.4E+07	557565.8
997.3999	684257.6	-41.8985	1.477408	16079574	-1.4E+07	553552.7
997.5999	684278.9	-41.8909	1.466693	16081579	-1.4E+07	549539.6
997.7999	684300.1	-41.8833	1.455979	16083584	-1.4E+07	545526.5
997.9999	684321.4	-41.8757	1.445264	16085588	-1.4E+07	541513.3
998.1999	684342.7	-41.8681	1.43455	16087591	-1.4E+07	537500.1
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998.7999	684406.5	-41.8453	1.402406	16093595	-1.4E+07	525460.4
998.9999	684427.9	-41.8377	1.391691	16095595	-1.4E+07	521447.1
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999.7999	684513.2	-41.8073	1.348833	16103586	-1.4E+07	505393.5
999.9999	684534.6	-41.7997	1.338118	16105581	-1.4E+07	501380.1
1000.2	684556	-41.7921	1.327403	16107576	-1.4E+07	497366.6
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1000.8	684620.2	-41.7693	1.295259	16113555	-1.4E+07	485326
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1001.4	684684.5	-41.7465	1.263115	16119527	-1.4E+07	473285.2
1001.6	684706	-41.7389	1.252401	16121515	-1.4E+07	469271.5
1001.8	684727.5	-41.7313	1.241686	16123503	-1.4E+07	465257.8
1002	684749	-41.7237	1.230971	16125491	-1.4E+07	461244.1
1002.2	684770.4	-41.7161	1.220256	16127477	-1.4E+07	457230.3
1002.4	684792	-41.7085	1.209542	16129462	-1.4E+07	453216.6
1002.6	684813.5	-41.701	1.198827	16131447	-1.4E+07	449202.8
1002.8	684835	-41.6934	1.188112	16133431	-1.4E+07	445188.9
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1003.8	684942.8	-41.6554	1.134538	16143338	-1.4E+07	425119.5
1004	684964.4	-41.6478	1.123824	16145316	-1.4E+07	421105.5
1004.2	684986	-41.6402	1.113109	16147294	-1.4E+07	417091.5
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1004.6	685029.3	-41.625	1.091679	16151248	-1.4E+07	409063.4
1004.8	685050.9	-41.6174	1.080965	16153223	-1.4E+07	405049.4
1005	685072.6	-41.6098	1.07025	16155198	-1.4E+07	401035.3
1005.2	685094.2	-41.6022	1.059535	16157172	-1.4E+07	397021.2
1005.4	685115.9	-41.5946	1.04882	16159145	-1.4E+07	393007.1
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1005.8	685159.3	-41.5794	1.027391	16163088	-1.4E+07	384978.7
1006	685181	-41.5718	1.016676	16165058	-1.4E+07	380964.6

1006.2	685202.7	-41.5642	1.005961	16167028	-1.4E+07	376950.3
1006.4	685224.4	-41.5566	0.995246	16168997	-1.4E+07	372936.1
1006.6	685246.2	-41.5491	0.984531	16170965	-1.4E+07	368921.8
1006.8	685267.9	-41.5415	0.973817	16172932	-1.4E+07	364907.6
1007	685289.7	-41.5339	0.963102	16174898	-1.4E+07	360893.3
1007.2	685311.5	-41.5263	0.952387	16176863	-1.4E+07	356879
1007.4	685333.2	-41.5187	0.941672	16178828	-1.4E+07	352864.6
1007.6	685355	-41.5111	0.930957	16180792	-1.4E+07	348850.3
1007.8	685376.8	-41.5035	0.920243	16182754	-1.4E+07	344835.9
1008	685398.7	-41.4959	0.909528	16184716	-1.4E+07	340821.5
1008.2	685420.5	-41.4883	0.898813	16186678	-1.4E+07	336807.1
1008.4	685442.3	-41.4807	0.888098	16188638	-1.4E+07	332792.6
1008.6	685464.2	-41.4731	0.877384	16190597	-1.4E+07	328778.2
1008.8	685486.1	-41.4655	0.866669	16192556	-1.4E+07	324763.7
1009	685507.9	-41.4579	0.855954	16194514	-1.4E+07	320749.2
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1009.4	685551.7	-41.4427	0.834524	16198427	-1.4E+07	312720.2
1009.6	685573.6	-41.4351	0.82381	16200382	-1.4E+07	308705.7
1009.8	685595.5	-41.4276	0.813095	16202337	-1.4E+07	304691.1
1010	685617.5	-41.42	0.80238	16204291	-1.4E+07	300676.5
1010.2	685639.4	-41.4124	0.791665	16206243	-1.4E+07	296661.9
1010.4	685661.4	-41.4048	0.780951	16208195	-1.4E+07	292647.3
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1010.8	685705.3	-41.3896	0.759521	16212097	-1.4E+07	284618.1
1011	685727.3	-41.382	0.748806	16214046	-1.4E+07	280603.4
1011.2	685749.3	-41.3744	0.738092	16215995	-1.4E+07	276588.7
1011.4	685771.3	-41.3668	0.727377	16217942	-1.4E+07	272574
1011.6	685793.3	-41.3592	0.716662	16219889	-1.4E+07	268559.3
1011.8	685815.3	-41.3516	0.705948	16221835	-1.4E+07	264544.6
1012	685837.4	-41.344	0.695233	16223781	-1.4E+07	260529.9
1012.2	685859.4	-41.3364	0.684518	16225725	-1.4E+07	256515.2
1012.4	685881.5	-41.3288	0.673803	16227668	-1.4E+07	252500.4
1012.6	685903.5	-41.3213	0.663089	16229611	-1.4E+07	248485.6
1012.8	685925.6	-41.3137	0.652374	16231553	-1.4E+07	244470.8
1013	685947.7	-41.3061	0.641659	16233494	-1.4E+07	240456
1013.2	685969.8	-41.2985	0.630945	16235434	-1.4E+07	236441.2
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1013.6	686014.1	-41.2833	0.609516	16239312	-1.4E+07	228411.5
1013.8	686036.2	-41.2757	0.598801	16241250	-1.4E+07	224396.7
1014	686058.4	-41.2681	0.588086	16243186	-1.4E+07	220381.8
1014.2	686080.5	-41.2605	0.577372	16245122	-1.4E+07	216366.9
1014.4	686102.7	-41.2529	0.566657	16247057	-1.4E+07	212352
1014.6	686124.9	-41.2453	0.555942	16248992	-1.4E+07	208337.1
1014.8	686147.1	-41.2377	0.545228	16250925	-1.4E+07	204322.2
1015	686169.3	-41.2301	0.534513	16252858	-1.4E+07	200307.3
1015.2	686191.5	-41.2226	0.523799	16254789	-1.4E+07	196292.4
1015.4	686213.7	-41.215	0.513084	16256720	-1.4E+07	192277.4

1015.6	686236	-41.2074	0.50237	16258650	-1.4E+07	188262.5
1015.8	686258.2	-41.1998	0.491655	16260580	-1.4E+07	184247.5
1016	686280.5	-41.1922	0.480941	16262508	-1.4E+07	180232.5
1016.2	686302.7	-41.1846	0.470226	16264436	-1.4E+07	176217.5
1016.4	686325	-41.177	0.459512	16266362	-1.4E+07	172202.5
1016.6	686347.3	-41.1694	0.448797	16268288	-1.4E+07	168187.5
1016.8	686369.6	-41.1618	0.438083	16270213	-1.4E+07	164172.5
1017	686391.9	-41.1542	0.427368	16272137	-1.4E+07	160157.5
1017.2	686414.3	-41.1466	0.416654	16274060	-1.4E+07	156142.4
1017.4	686436.6	-41.139	0.405939	16275983	-1.4E+07	152127.4
1017.6	686459	-41.1315	0.395225	16277905	-1.4E+07	148112.4
1017.8	686481.3	-41.1239	0.384511	16279825	-1.4E+07	144097.3
1018	686503.7	-41.1163	0.373796	16281745	-1.4E+07	140082.2
1018.2	686526.1	-41.1087	0.363082	16283664	-1.4E+07	136067.1
1018.4	686548.5	-41.1011	0.352367	16285583	-1.4E+07	132052.1
1018.6	686570.9	-41.0935	0.341653	16287500	-1.4E+07	128037
1018.8	686593.3	-41.0859	0.330939	16289417	-1.4E+07	124021.9
1019	686615.7	-41.0783	0.320224	16291332	-1.4E+07	120006.8
1019.2	686638.2	-41.0707	0.30951	16293247	-1.4E+07	115991.7
1019.4	686660.6	-41.0631	0.298796	16295161	-1.4E+07	111976.5
1019.6	686683.1	-41.0555	0.288082	16297074	-1.4E+07	107961.4
1019.8	686705.5	-41.048	0.277367	16298987	-1.4E+07	103946.3
1020	686728	-41.0404	0.266653	16300898	-1.4E+07	99931.15
1020.2	686750.5	-41.0328	0.255939	16302809	-1.4E+07	95916.01
1020.4	686773	-41.0252	0.245225	16304719	-1.4E+07	91900.87
1020.6	686795.5	-41.0176	0.234511	16306628	-1.4E+07	87885.72
1020.8	686818.1	-41.01	0.223796	16308536	-1.4E+07	83870.56
1021	686840.6	-41.0024	0.213082	16310443	-1.4E+07	79855.41
1021.2	686863.1	-40.9948	0.202368	16312349	-1.4E+07	75840.24
1021.4	686885.7	-40.9872	0.191654	16314255	-1.4E+07	71825.08
1021.6	686908.3	-40.9796	0.18094	16316160	-1.4E+07	67809.91
1021.8	686930.9	-40.972	0.170226	16318064	-1.4E+07	63794.73
1022	686953.5	-40.9645	0.159512	16319967	-1.4E+07	59779.55
1022.2	686976.1	-40.9569	0.148798	16321869	-1.4E+07	55764.37
1022.4	686998.7	-40.9493	0.138084	16323770	-1.4E+07	51749.19
1022.6	687021.3	-40.9417	0.12737	16325671	-1.4E+07	47734.01
1022.8	687043.9	-40.9341	0.116656	16327570	-1.4E+07	43718.82
1023	687066.6	-40.9265	0.105942	16329469	-1.4E+07	39703.63
1023.2	687089.3	-40.9189	0.095228	16331367	-1.4E+07	35688.43
1023.4	687111.9	-40.9113	0.084514	16333264	-1.4E+07	31673.24
1023.6	687134.6	-40.9037	0.0738	16335160	-1.4E+07	27658.04
1023.8	687157.3	-40.8961	0.063086	16337056	-1.4E+07	23642.85
1024	687180	-40.8886	0.052373	16338950	-1.4E+07	19627.65
1024.2	687202.7	-40.881	0.041659	16340844	-1.4E+07	15612.45
1024.4	687225.4	-40.8734	0.030945	16342737	-1.4E+07	11597.25
1024.6	687248.2	-40.8658	0.020231	16344629	-1.4E+07	7582.052
1024.8	687270.9	-40.8582	0.009517	16346520	-1.4E+07	3566.852

1025	687293.7	-40.8506	-0.0012	16348411	-1.4E+07	-448.348
1025.2	687316.5	-40.843	-0.01191	16350300	-1.4E+07	-4463.55
1025.4	687339.2	-40.8354	-0.02262	16352189	-1.4E+07	-8478.75
1025.6	687362	-40.8278	-0.03334	16354077	-1.4E+07	-12493.9
1025.8	687384.8	-40.8202	-0.04405	16355964	-1.4E+07	-16509.1
1026	687407.7	-40.8126	-0.05476	16357850	-1.4E+07	-20524.3
1026.2	687430.5	-40.8051	-0.06548	16359735	-1.4E+07	-24539.5
1026.4	687453.3	-40.7975	-0.07619	16361619	-1.4E+07	-28554.7
1026.6	687476.2	-40.7899	-0.08691	16363503	-1.4E+07	-32569.9
1026.8	687499	-40.7823	-0.09762	16365386	-1.4E+07	-36585.1
1027	687521.9	-40.7747	-0.10833	16367268	-1.4E+07	-40600.3
1027.2	687544.8	-40.7671	-0.11905	16369149	-1.4E+07	-44615.5
1027.4	687567.7	-40.7595	-0.12976	16371029	-1.4E+07	-48630.7
1027.6	687590.6	-40.7519	-0.14047	16372908	-1.4E+07	-52645.8
1027.8	687613.5	-40.7443	-0.15119	16374787	-1.4E+07	-56661
1028	687636.4	-40.7367	-0.1619	16376664	-1.4E+07	-60676.2
1028.2	687659.4	-40.7292	-0.17261	16378541	-1.4E+07	-64691.4
1028.4	687682.3	-40.7216	-0.18333	16380417	-1.4E+07	-68706.5
1028.6	687705.3	-40.714	-0.19404	16382292	-1.4E+07	-72721.7
1028.8	687728.2	-40.7064	-0.20475	16384166	-1.4E+07	-76736.8
1029	687751.2	-40.6988	-0.21547	16386040	-1.4E+07	-80752
1029.2	687774.2	-40.6912	-0.22618	16387912	-1.4E+07	-84767.1
1029.4	687797.2	-40.6836	-0.23689	16389784	-1.4E+07	-88782.3
1029.6	687820.2	-40.676	-0.24761	16391655	-1.4E+07	-92797.4
1029.8	687843.3	-40.6684	-0.25832	16393525	-1.4E+07	-96812.6
1030	687866.3	-40.6608	-0.26903	16395394	-1.4E+07	-100828
1030.2	687889.3	-40.6533	-0.27974	16397262	-1.4E+07	-104843
1030.4	687912.4	-40.6457	-0.29046	16399130	-1.4E+07	-108858
1030.6	687935.5	-40.6381	-0.30117	16400996	-1.4E+07	-112873
1030.8	687958.6	-40.6305	-0.31188	16402862	-1.4E+07	-116888
1031	687981.6	-40.6229	-0.3226	16404727	-1.4E+07	-120903
1031.2	688004.7	-40.6153	-0.33331	16406591	-1.4E+07	-124918
1031.4	688027.9	-40.6077	-0.34402	16408454	-1.4E+07	-128933
1031.6	688051	-40.6001	-0.35473	16410317	-1.4E+07	-132948
1031.8	688074.1	-40.5925	-0.36545	16412178	-1.4E+07	-136964
1032	688097.3	-40.5849	-0.37616	16414039	-1.4E+07	-140979
1032.2	688120.4	-40.5774	-0.38687	16415899	-1.4E+07	-144994
1032.4	688143.6	-40.5698	-0.39759	16417758	-1.4E+07	-149009
1032.6	688166.8	-40.5622	-0.4083	16419616	-1.4E+07	-153024
1032.8	688190	-40.5546	-0.41901	16421473	-1.4E+07	-157039
1033	688213.2	-40.547	-0.42972	16423329	-1.4E+07	-161054
1033.2	688236.4	-40.5394	-0.44044	16425185	-1.4E+07	-165069
1033.4	688259.6	-40.5318	-0.45115	16427040	-1.4E+07	-169084
1033.6	688282.8	-40.5242	-0.46186	16428893	-1.4E+07	-173099
1033.8	688306.1	-40.5166	-0.47257	16430746	-1.4E+07	-177114
1034	688329.3	-40.509	-0.48329	16432599	-1.4E+07	-181129
1034.2	688352.6	-40.5015	-0.494	16434450	-1.4E+07	-185144

1034.4	688375.9	-40.4939	-0.50471	16436300	-1.4E+07	-189159
1034.6	688399.2	-40.4863	-0.51542	16438150	-1.4E+07	-193174
1034.8	688422.5	-40.4787	-0.52614	16439999	-1.4E+07	-197188
1035	688445.8	-40.4711	-0.53685	16441847	-1.4E+07	-201203
1035.2	688469.1	-40.4635	-0.54756	16443694	-1.4E+07	-205218
1035.4	688492.4	-40.4559	-0.55827	16445540	-1.4E+07	-209233
1035.6	688515.8	-40.4483	-0.56898	16447385	-1.4E+07	-213248
1035.8	688539.1	-40.4407	-0.5797	16449230	-1.4E+07	-217263
1036	688562.5	-40.4331	-0.59041	16451073	-1.4E+07	-221278
1036.2	688585.9	-40.4256	-0.60112	16452916	-1.4E+07	-225293
1036.4	688609.3	-40.418	-0.61183	16454758	-1.4E+07	-229307
1036.6	688632.7	-40.4104	-0.62254	16456599	-1.4E+07	-233322
1036.8	688656.1	-40.4028	-0.63326	16458440	-1.4E+07	-237337
1037	688679.5	-40.3952	-0.64397	16460279	-1.4E+07	-241352
1037.2	688702.9	-40.3876	-0.65468	16462117	-1.4E+07	-245367
1037.4	688726.4	-40.38	-0.66539	16463955	-1.4E+07	-249381
1037.6	688749.8	-40.3724	-0.6761	16465792	-1.4E+07	-253396
1037.8	688773.3	-40.3648	-0.68682	16467628	-1.4E+07	-257411
1038	688796.8	-40.3572	-0.69753	16469463	-1.4E+07	-261426
1038.2	688820.2	-40.3497	-0.70824	16471297	-1.4E+07	-265440
1038.4	688843.7	-40.3421	-0.71895	16473131	-1.4E+07	-269455
1038.6	688867.3	-40.3345	-0.72966	16474963	-1.4E+07	-273470
1038.8	688890.8	-40.3269	-0.74037	16476795	-1.4E+07	-277484
1039	688914.3	-40.3193	-0.75108	16478626	-1.4E+07	-281499
1039.2	688937.8	-40.3117	-0.7618	16480456	-1.4E+07	-285514
1039.4	688961.4	-40.3041	-0.77251	16482285	-1.4E+07	-289528
1039.6	688985	-40.2965	-0.78322	16484114	-1.4E+07	-293543
1039.8	689008.5	-40.2889	-0.79393	16485941	-1.4E+07	-297557
1040	689032.1	-40.2813	-0.80464	16487768	-1.4E+07	-301572
1040.2	689055.7	-40.2737	-0.81535	16489593	-1.4E+07	-305586
1040.4	689079.3	-40.2662	-0.82606	16491418	-1.4E+07	-309601
1040.6	689102.9	-40.2586	-0.83678	16493242	-1.4E+07	-313615
1040.8	689126.6	-40.251	-0.84749	16495066	-1.4E+07	-317630
1041	689150.2	-40.2434	-0.8582	16496888	-1.4E+07	-321644
1041.2	689173.9	-40.2358	-0.86891	16498709	-1.4E+07	-325659
1041.4	689197.5	-40.2282	-0.87962	16500530	-1.4E+07	-329673
1041.6	689221.2	-40.2206	-0.89033	16502350	-1.4E+07	-333688
1041.8	689244.9	-40.213	-0.90104	16504169	-1.4E+07	-337702
1042	689268.6	-40.2054	-0.91175	16505987	-1.4E+07	-341717
1042.2	689292.3	-40.1978	-0.92246	16507804	-1.4E+07	-345731
1042.4	689316	-40.1903	-0.93317	16509620	-1.4E+07	-349745
1042.6	689339.7	-40.1827	-0.94388	16511436	-1.4E+07	-353760
1042.8	689363.4	-40.1751	-0.9546	16513251	-1.4E+07	-357774
1043	689387.2	-40.1675	-0.96531	16515064	-1.4E+07	-361788
1043.2	689411	-40.1599	-0.97602	16516877	-1.4E+07	-365802
1043.4	689434.7	-40.1523	-0.98673	16518690	-1.4E+07	-369817
1043.6	689458.5	-40.1447	-0.99744	16520501	-1.4E+07	-373831

1043.8	689482.3	-40.1371	-1.00815	16522311	-1.4E+07	-377845
1044	689506.1	-40.1295	-1.01886	16524121	-1.4E+07	-381859
1044.2	689529.9	-40.1219	-1.02957	16525929	-1.4E+07	-385873
1044.4	689553.7	-40.1143	-1.04028	16527737	-1.4E+07	-389888
1044.6	689577.6	-40.1067	-1.05099	16529544	-1.4E+07	-393902
1044.8	689601.4	-40.0992	-1.0617	16531350	-1.4E+07	-397916
1045	689625.3	-40.0916	-1.07241	16533156	-1.4E+07	-401930
1045.2	689649.1	-40.084	-1.08312	16534960	-1.4E+07	-405944
1045.4	689673	-40.0764	-1.09383	16536764	-1.4E+07	-409958
1045.6	689696.9	-40.0688	-1.10454	16538566	-1.4E+07	-413972
1045.8	689720.8	-40.0612	-1.11525	16540368	-1.4E+07	-417986
1046	689744.7	-40.0536	-1.12596	16542169	-1.4E+07	-422000
1046.2	689768.7	-40.046	-1.13667	16543969	-1.4E+07	-426014
1046.4	689792.6	-40.0384	-1.14738	16545769	-1.4E+07	-430028
1046.6	689816.5	-40.0308	-1.15809	16547567	-1.4E+07	-434042
1046.8	689840.5	-40.0232	-1.1688	16549365	-1.4E+07	-438055
1047	689864.4	-40.0156	-1.17951	16551161	-1.4E+07	-442069
1047.2	689888.4	-40.0081	-1.19022	16552957	-1.4E+07	-446083
1047.4	689912.4	-40.0005	-1.20093	16554752	-1.4E+07	-450097
1047.6	689936.4	-39.9929	-1.21164	16556546	-1.4E+07	-454111
1047.8	689960.4	-39.9853	-1.22235	16558340	-1.4E+07	-458124
1048	689984.4	-39.9777	-1.23306	16560132	-1.4E+07	-462138
1048.2	690008.5	-39.9701	-1.24377	16561924	-1.4E+07	-466152
1048.4	690032.5	-39.9625	-1.25448	16563714	-1.4E+07	-470165
1048.6	690056.6	-39.9549	-1.26518	16565504	-1.4E+07	-474179
1048.8	690080.6	-39.9473	-1.27589	16567293	-1.4E+07	-478193
1049	690104.7	-39.9397	-1.2866	16569081	-1.4E+07	-482206
1049.2	690128.8	-39.9321	-1.29731	16570869	-1.4E+07	-486220
1049.4	690152.9	-39.9245	-1.30802	16572655	-1.4E+07	-490233
1049.6	690177	-39.917	-1.31873	16574441	-1.4E+07	-494247
1049.8	690201.1	-39.9094	-1.32944	16576226	-1.4E+07	-498260
1050	690225.2	-39.9018	-1.34015	16578009	-1.4E+07	-502274
1050.2	690249.4	-39.8942	-1.35086	16579792	-1.4E+07	-506287
1050.4	690273.5	-39.8866	-1.36157	16581575	-1.4E+07	-510300
1050.6	690297.7	-39.879	-1.37227	16583356	-1.4E+07	-514314
1050.8	690321.9	-39.8714	-1.38298	16585136	-1.4E+07	-518327
1051	690346	-39.8638	-1.39369	16586916	-1.4E+07	-522340
1051.2	690370.2	-39.8562	-1.4044	16588695	-1.4E+07	-526354
1051.4	690394.4	-39.8486	-1.41511	16590473	-1.4E+07	-530367
1051.6	690418.7	-39.841	-1.42582	16592250	-1.4E+07	-534380
1051.8	690442.9	-39.8334	-1.43653	16594026	-1.4E+07	-538393
1052	690467.1	-39.8258	-1.44723	16595801	-1.4E+07	-542406
1052.2	690491.4	-39.8182	-1.45794	16597575	-1.4E+07	-546419
1052.4	690515.6	-39.8107	-1.46865	16599349	-1.4E+07	-550433
1052.6	690539.9	-39.8031	-1.47936	16601122	-1.4E+07	-554446
1052.8	690564.2	-39.7955	-1.49007	16602894	-1.4E+07	-558459
1053	690588.5	-39.7879	-1.50077	16604665	-1.4E+07	-562472

1053.2	690612.8	-39.7803	-1.51148	16606435	-1.4E+07	-566485
1053.4	690637.1	-39.7727	-1.52219	16608204	-1.4E+07	-570498
1053.6	690661.4	-39.7651	-1.5329	16609973	-1.4E+07	-574510
1053.8	690685.7	-39.7575	-1.54361	16611740	-1.4E+07	-578523
1054	690710.1	-39.7499	-1.55431	16613507	-1.4E+07	-582536
1054.2	690734.4	-39.7423	-1.56502	16615273	-1.4E+07	-586549
1054.4	690758.8	-39.7347	-1.57573	16617038	-1.4E+07	-590562
1054.6	690783.2	-39.7271	-1.58644	16618802	-1.4E+07	-594574
1054.8	690807.6	-39.7195	-1.59714	16620565	-1.4E+07	-598587
1055	690832	-39.7119	-1.60785	16622328	-1.4E+07	-602600
1055.2	690856.4	-39.7043	-1.61856	16624089	-1.4E+07	-606612
1055.4	690880.8	-39.6967	-1.62927	16625850	-1.4E+07	-610625
1055.6	690905.2	-39.6892	-1.63997	16627610	-1.4E+07	-614638
1055.8	690929.7	-39.6816	-1.65068	16629369	-1.4E+07	-618650
1056	690954.1	-39.674	-1.66139	16631127	-1.4E+07	-622663
1056.2	690978.6	-39.6664	-1.6721	16632884	-1.4E+07	-626675
1056.4	691003.1	-39.6588	-1.6828	16634641	-1.4E+07	-630687
1056.6	691027.6	-39.6512	-1.69351	16636396	-1.4E+07	-634700
1056.8	691052.1	-39.6436	-1.70422	16638151	-1.4E+07	-638712
1057	691076.6	-39.636	-1.71492	16639905	-1.4E+07	-642724
1057.2	691101.1	-39.6284	-1.72563	16641658	-1.4E+07	-646737
1057.4	691125.6	-39.6208	-1.73634	16643410	-1.4E+07	-650749
1057.6	691150.1	-39.6132	-1.74704	16645161	-1.4E+07	-654761
1057.8	691174.7	-39.6056	-1.75775	16646912	-1.4E+07	-658773
1058	691199.3	-39.598	-1.76846	16648661	-1.4E+07	-662786
1058.2	691223.8	-39.5904	-1.77916	16650410	-1.4E+07	-666798
1058.4	691248.4	-39.5828	-1.78987	16652158	-1.4E+07	-670810
1058.6	691273	-39.5752	-1.80058	16653905	-1.4E+07	-674822
1058.8	691297.6	-39.5676	-1.81128	16655651	-1.4E+07	-678834
1059	691322.2	-39.56	-1.82199	16657396	-1.4E+07	-682846
1059.2	691346.8	-39.5524	-1.83269	16659141	-1.4E+07	-686858
1059.4	691371.5	-39.5448	-1.8434	16660884	-1.4E+07	-690869
1059.6	691396.1	-39.5373	-1.85411	16662627	-1.4E+07	-694881
1059.8	691420.8	-39.5297	-1.86481	16664369	-1.4E+07	-698893
1060	691445.5	-39.5221	-1.87552	16666110	-1.4E+07	-702905
1060.2	691470.1	-39.5145	-1.88622	16667850	-1.4E+07	-706916
1060.4	691494.8	-39.5069	-1.89693	16669589	-1.4E+07	-710928
1060.6	691519.5	-39.4993	-1.90764	16671327	-1.4E+07	-714940
1060.8	691544.2	-39.4917	-1.91834	16673065	-1.4E+07	-718951
1061	691569	-39.4841	-1.92905	16674801	-1.4E+07	-722963
1061.2	691593.7	-39.4765	-1.93975	16676537	-1.4E+07	-726974
1061.4	691618.4	-39.4689	-1.95046	16678272	-1.4E+07	-730986
1061.6	691643.2	-39.4613	-1.96116	16680006	-1.4E+07	-734997
1061.8	691668	-39.4537	-1.97187	16681739	-1.4E+07	-739009
1062	691692.7	-39.4461	-1.98257	16683472	-1.4E+07	-743020
1062.2	691717.5	-39.4385	-1.99328	16685203	-1.4E+07	-747031
1062.4	691742.3	-39.4309	-2.00398	16686934	-1.4E+07	-751043

1062.6	691767.1	-39.4233	-2.01469	16688664	-1.4E+07	-755054
1062.8	691791.9	-39.4157	-2.02539	16690393	-1.4E+07	-759065
1063	691816.8	-39.4081	-2.0361	16692121	-1.4E+07	-763076
1063.2	691841.6	-39.4005	-2.0468	16693848	-1.4E+07	-767087
1063.4	691866.5	-39.3929	-2.05751	16695574	-1.4E+07	-771098
1063.6	691891.3	-39.3853	-2.06821	16697300	-1.4E+07	-775109
1063.8	691916.2	-39.3777	-2.07892	16699024	-1.4E+07	-779120
1064	691941.1	-39.3701	-2.08962	16700748	-1.4E+07	-783131
1064.2	691966	-39.3625	-2.10033	16702471	-1.4E+07	-787142
1064.4	691990.9	-39.3549	-2.11103	16704193	-1.4E+07	-791153
1064.6	692015.8	-39.3473	-2.12174	16705914	-1.4E+07	-795164
1064.8	692040.7	-39.3397	-2.13244	16707634	-1.4E+07	-799174
1065	692065.7	-39.3321	-2.14314	16709354	-1.4E+07	-803185
1065.2	692090.6	-39.3245	-2.15385	16711072	-1.4E+07	-807196
1065.4	692115.6	-39.3169	-2.16455	16712790	-1.4E+07	-811206
1065.6	692140.5	-39.3093	-2.17526	16714507	-1.4E+07	-815217
1065.8	692165.5	-39.3017	-2.18596	16716223	-1.4E+07	-819227
1066	692190.5	-39.2941	-2.19666	16717938	-1.4E+07	-823238
1066.2	692215.5	-39.2865	-2.20737	16719652	-1.4E+07	-827248
1066.4	692240.5	-39.2789	-2.21807	16721365	-1.4E+07	-831259
1066.6	692265.5	-39.2713	-2.22877	16723078	-1.4E+07	-835269
1066.8	692290.6	-39.2637	-2.23948	16724790	-1.4E+07	-839279
1067	692315.6	-39.2561	-2.25018	16726500	-1.4E+07	-843290
1067.2	692340.7	-39.2485	-2.26088	16728210	-1.4E+07	-847300
1067.4	692365.7	-39.2409	-2.27159	16729919	-1.4E+07	-851310
1067.6	692390.8	-39.2333	-2.28229	16731628	-1.4E+07	-855320
1067.8	692415.9	-39.2257	-2.29299	16733335	-1.4E+07	-859330
1068	692441	-39.2181	-2.3037	16735042	-1.4E+07	-863340
1068.2	692466.1	-39.2105	-2.3144	16736747	-1.4E+07	-867350
1068.4	692491.2	-39.2029	-2.3251	16738452	-1.4E+07	-871360
1068.6	692516.4	-39.1953	-2.33581	16740156	-1.4E+07	-875370
1068.8	692541.5	-39.1877	-2.34651	16741859	-1.4E+07	-879380
1069	692566.7	-39.1801	-2.35721	16743561	-1.4E+07	-883389
1069.2	692591.8	-39.1725	-2.36791	16745262	-1.4E+07	-887399
1069.4	692617	-39.1649	-2.37862	16746963	-1.4E+07	-891409
1069.6	692642.2	-39.1573	-2.38932	16748662	-1.4E+07	-895418
1069.8	692667.4	-39.1497	-2.40002	16750361	-1.4E+07	-899428
1070	692692.6	-39.1421	-2.41072	16752059	-1.4E+07	-903437
1070.2	692717.8	-39.1345	-2.42143	16753756	-1.4E+07	-907447
1070.4	692743	-39.1269	-2.43213	16755452	-1.4E+07	-911456
1070.6	692768.2	-39.1193	-2.44283	16757147	-1.4E+07	-915466
1070.8	692793.5	-39.1117	-2.45353	16758842	-1.4E+07	-919475
1071	692818.8	-39.1041	-2.46423	16760535	-1.4E+07	-923484
1071.2	692844	-39.0965	-2.47494	16762228	-1.4E+07	-927493
1071.4	692869.3	-39.0889	-2.48564	16763920	-1.4E+07	-931502
1071.6	692894.6	-39.0813	-2.49634	16765611	-1.4E+07	-935512
1071.8	692919.9	-39.0737	-2.50704	16767301	-1.4E+07	-939521

1072	692945.2	-39.0661	-2.51774	16768990	-1.4E+07	-943530
1072.2	692970.5	-39.0585	-2.52844	16770678	-1.4E+07	-947538
1072.4	692995.9	-39.0509	-2.53914	16772366	-1.4E+07	-951547
1072.6	693021.2	-39.0433	-2.54985	16774052	-1.4E+07	-955556
1072.8	693046.6	-39.0357	-2.56055	16775738	-1.4E+07	-959565
1073	693071.9	-39.0281	-2.57125	16777423	-1.4E+07	-963574
1073.2	693097.3	-39.0205	-2.58195	16779107	-1.4E+07	-967582
1073.4	693122.7	-39.0129	-2.59265	16780790	-1.4E+07	-971591
1073.6	693148.1	-39.0053	-2.60335	16782472	-1.4E+07	-975600
1073.8	693173.5	-38.9977	-2.61405	16784154	-1.4E+07	-979608
1074	693198.9	-38.9901	-2.62475	16785834	-1.4E+07	-983616
1074.2	693224.3	-38.9825	-2.63545	16787514	-1.4E+07	-987625
1074.4	693249.8	-38.9749	-2.64615	16789193	-1.4E+07	-991633
1074.6	693275.2	-38.9673	-2.65685	16790871	-1.4E+07	-995641
1074.8	693300.7	-38.9597	-2.66755	16792548	-1.4E+07	-999650
1075	693326.1	-38.9521	-2.67825	16794224	-1.4E+07	-1003658
1075.2	693351.6	-38.9445	-2.68895	16795900	-1.4E+07	-1007666
1075.4	693377.1	-38.9369	-2.69965	16797574	-1.4E+07	-1011674
1075.6	693402.6	-38.9293	-2.71035	16799248	-1.4E+07	-1015682
1075.8	693428.1	-38.9217	-2.72105	16800920	-1.4E+07	-1019690
1076	693453.7	-38.9141	-2.73175	16802592	-1.4E+07	-1023698
1076.2	693479.2	-38.9065	-2.74245	16804263	-1.4E+07	-1027706
1076.4	693504.7	-38.8989	-2.75315	16805934	-1.4E+07	-1031714
1076.6	693530.3	-38.8912	-2.76385	16807603	-1.4E+07	-1035721
1076.8	693555.9	-38.8836	-2.77455	16809271	-1.4E+07	-1039729
1077	693581.4	-38.876	-2.78525	16810939	-1.4E+07	-1043737
1077.2	693607	-38.8684	-2.79595	16812606	-1.4E+07	-1047744
1077.4	693632.6	-38.8608	-2.80665	16814271	-1.4E+07	-1051752
1077.6	693658.2	-38.8532	-2.81735	16815936	-1.4E+07	-1055759
1077.8	693683.9	-38.8456	-2.82805	16817600	-1.4E+07	-1059766
1078	693709.5	-38.838	-2.83875	16819264	-1.4E+07	-1063774
1078.2	693735.1	-38.8304	-2.84944	16820926	-1.4E+07	-1067781
1078.4	693760.8	-38.8228	-2.86014	16822588	-1.4E+07	-1071788
1078.6	693786.4	-38.8152	-2.87084	16824248	-1.4E+07	-1075795
1078.8	693812.1	-38.8076	-2.88154	16825908	-1.4E+07	-1079802
1079	693837.8	-38.8	-2.89224	16827567	-1.4E+07	-1083809
1079.2	693863.5	-38.7924	-2.90294	16829225	-1.4E+07	-1087816
1079.4	693889.2	-38.7848	-2.91364	16830882	-1.4E+07	-1091823
1079.6	693914.9	-38.7772	-2.92433	16832538	-1.4E+07	-1095830
1079.8	693940.6	-38.7696	-2.93503	16834194	-1.4E+07	-1099837
1080	693966.4	-38.7619	-2.94573	16835848	-1.4E+07	-1103843
1080.2	693992.1	-38.7543	-2.95643	16837502	-1.4E+07	-1107850
1080.4	694017.9	-38.7467	-2.96713	16839155	-1.4E+07	-1111857
1080.6	694043.6	-38.7391	-2.97782	16840807	-1.4E+07	-1115863
1080.8	694069.4	-38.7315	-2.98852	16842458	-1.4E+07	-1119870
1081	694095.2	-38.7239	-2.99922	16844108	-1.4E+07	-1123876
1081.2	694121	-38.7163	-3.00992	16845758	-1.4E+07	-1127882

1081.4	694146.8	-38.7087	-3.02061	16847406	-1.4E+07	-1131888
1081.6	694172.6	-38.7011	-3.03131	16849054	-1.3E+07	-1135895
1081.8	694198.5	-38.6935	-3.04201	16850700	-1.3E+07	-1139901
1082	694224.3	-38.6859	-3.05271	16852346	-1.3E+07	-1143907
1082.2	694250.2	-38.6783	-3.0634	16853991	-1.3E+07	-1147913
1082.4	694276	-38.6706	-3.0741	16855635	-1.3E+07	-1151919
1082.6	694301.9	-38.663	-3.0848	16857279	-1.3E+07	-1155925
1082.8	694327.8	-38.6554	-3.09549	16858921	-1.3E+07	-1159931
1083	694353.7	-38.6478	-3.10619	16860563	-1.3E+07	-1163936
1083.2	694379.6	-38.6402	-3.11689	16862203	-1.3E+07	-1167942
1083.4	694405.5	-38.6326	-3.12758	16863843	-1.3E+07	-1171948
1083.6	694431.4	-38.625	-3.13828	16865482	-1.3E+07	-1175953
1083.8	694457.4	-38.6174	-3.14897	16867120	-1.3E+07	-1179959
1084	694483.3	-38.6098	-3.15967	16868757	-1.3E+07	-1183964
1084.2	694509.3	-38.6022	-3.17037	16870394	-1.3E+07	-1187969
1084.4	694535.2	-38.5945	-3.18106	16872029	-1.3E+07	-1191975
1084.6	694561.2	-38.5869	-3.19176	16873664	-1.3E+07	-1195980
1084.8	694587.2	-38.5793	-3.20245	16875298	-1.3E+07	-1199985
1085	694613.2	-38.5717	-3.21315	16876930	-1.3E+07	-1203990
1085.2	694639.2	-38.5641	-3.22385	16878562	-1.3E+07	-1207995
1085.4	694665.2	-38.5565	-3.23454	16880194	-1.3E+07	-1212000
1085.6	694691.3	-38.5489	-3.24524	16881824	-1.3E+07	-1216005
1085.8	694717.3	-38.5413	-3.25593	16883453	-1.3E+07	-1220010
1086	694743.4	-38.5337	-3.26663	16885082	-1.3E+07	-1224015
1086.2	694769.4	-38.526	-3.27732	16886709	-1.3E+07	-1228019
1086.4	694795.5	-38.5184	-3.28802	16888336	-1.3E+07	-1232024
1086.6	694821.6	-38.5108	-3.29871	16889962	-1.3E+07	-1236028
1086.8	694847.7	-38.5032	-3.30941	16891587	-1.3E+07	-1240033
1087	694873.8	-38.4956	-3.3201	16893211	-1.3E+07	-1244037
1087.2	694899.9	-38.488	-3.3308	16894835	-1.3E+07	-1248042
1087.4	694926	-38.4804	-3.34149	16896457	-1.3E+07	-1252046
1087.6	694952.2	-38.4728	-3.35218	16898079	-1.3E+07	-1256050
1087.8	694978.3	-38.4651	-3.36288	16899699	-1.3E+07	-1260054
1088	695004.5	-38.4575	-3.37357	16901319	-1.3E+07	-1264058
1088.2	695030.7	-38.4499	-3.38427	16902938	-1.3E+07	-1268062
1088.4	695056.8	-38.4423	-3.39496	16904556	-1.3E+07	-1272066
1088.6	695083	-38.4347	-3.40565	16906173	-1.3E+07	-1276070
1088.8	695109.2	-38.4271	-3.41635	16907790	-1.3E+07	-1280074
1089	695135.4	-38.4195	-3.42704	16909405	-1.3E+07	-1284077
1089.2	695161.7	-38.4119	-3.43774	16911020	-1.3E+07	-1288081
1089.4	695187.9	-38.4042	-3.44843	16912633	-1.3E+07	-1292085
1089.6	695214.1	-38.3966	-3.45912	16914246	-1.3E+07	-1296088
1089.8	695240.4	-38.389	-3.46982	16915858	-1.3E+07	-1300091
1090	695266.6	-38.3814	-3.48051	16917469	-1.3E+07	-1304095
1090.2	695292.9	-38.3738	-3.4912	16919080	-1.3E+07	-1308098
1090.4	695319.2	-38.3662	-3.50189	16920689	-1.3E+07	-1312101
1090.6	695345.5	-38.3585	-3.51259	16922297	-1.3E+07	-1316104

1090.8	695371.8	-38.3509	-3.52328	16923905	-1.3E+07	-1320107
1091	695398.1	-38.3433	-3.53397	16925512	-1.3E+07	-1324110
1091.2	695424.4	-38.3357	-3.54466	16927118	-1.3E+07	-1328113
1091.4	695450.8	-38.3281	-3.55536	16928723	-1.3E+07	-1332116
1091.6	695477.1	-38.3205	-3.56605	16930327	-1.3E+07	-1336119
1091.8	695503.5	-38.3129	-3.57674	16931930	-1.3E+07	-1340121
1092	695529.9	-38.3052	-3.58743	16933533	-1.3E+07	-1344124
1092.2	695556.2	-38.2976	-3.59813	16935134	-1.3E+07	-1348127
1092.4	695582.6	-38.29	-3.60882	16936735	-1.3E+07	-1352129
1092.6	695609	-38.2824	-3.61951	16938335	-1.3E+07	-1356131
1092.8	695635.4	-38.2748	-3.6302	16939934	-1.3E+07	-1360134
1093	695661.9	-38.2671	-3.64089	16941532	-1.3E+07	-1364136
1093.2	695688.3	-38.2595	-3.65158	16943129	-1.3E+07	-1368138
1093.4	695714.7	-38.2519	-3.66228	16944725	-1.3E+07	-1372140
1093.6	695741.2	-38.2443	-3.67297	16946320	-1.3E+07	-1376142
1093.8	695767.6	-38.2367	-3.68366	16947915	-1.3E+07	-1380144
1094	695794.1	-38.2291	-3.69435	16949509	-1.3E+07	-1384146
1094.2	695820.6	-38.2214	-3.70504	16951102	-1.3E+07	-1388148
1094.4	695847.1	-38.2138	-3.71573	16952693	-1.3E+07	-1392149
1094.6	695873.6	-38.2062	-3.72642	16954285	-1.3E+07	-1396151
1094.8	695900.1	-38.1986	-3.73711	16955875	-1.3E+07	-1400152
1095	695926.6	-38.191	-3.7478	16957464	-1.3E+07	-1404154
1095.2	695953.2	-38.1833	-3.75849	16959052	-1.3E+07	-1408155
1095.4	695979.7	-38.1757	-3.76918	16960640	-1.3E+07	-1412156
1095.6	696006.3	-38.1681	-3.77987	16962227	-1.3E+07	-1416158
1095.8	696032.9	-38.1605	-3.79056	16963813	-1.3E+07	-1420159
1096	696059.4	-38.1529	-3.80125	16965398	-1.3E+07	-1424160
1096.2	696086	-38.1452	-3.81194	16966982	-1.3E+07	-1428161
1096.4	696112.6	-38.1376	-3.82263	16968565	-1.3E+07	-1432162
1096.6	696139.2	-38.13	-3.83332	16970147	-1.3E+07	-1436162
1096.8	696165.8	-38.1224	-3.84401	16971729	-1.3E+07	-1440163
1097	696192.5	-38.1148	-3.8547	16973309	-1.3E+07	-1444164
1097.2	696219.1	-38.1071	-3.86539	16974889	-1.3E+07	-1448164
1097.4	696245.8	-38.0995	-3.87608	16976468	-1.3E+07	-1452165
1097.6	696272.4	-38.0919	-3.88677	16978046	-1.3E+07	-1456165
1097.8	696299.1	-38.0843	-3.89746	16979623	-1.3E+07	-1460166
1098	696325.8	-38.0766	-3.90815	16981199	-1.3E+07	-1464166
1098.2	696352.5	-38.069	-3.91883	16982775	-1.3E+07	-1468166
1098.4	696379.2	-38.0614	-3.92952	16984349	-1.3E+07	-1472166
1098.6	696405.9	-38.0538	-3.94021	16985923	-1.3E+07	-1476166
1098.8	696432.6	-38.0462	-3.9509	16987495	-1.3E+07	-1480166
1099	696459.3	-38.0385	-3.96159	16989067	-1.3E+07	-1484166
1099.2	696486.1	-38.0309	-3.97228	16990638	-1.3E+07	-1488165
1099.4	696512.8	-38.0233	-3.98296	16992208	-1.3E+07	-1492165
1099.6	696539.6	-38.0157	-3.99365	16993778	-1.3E+07	-1496165
1099.8	696566.4	-38.008	-4.00434	16995346	-1.3E+07	-1500164
1100	696593.2	-38.0004	-4.01503	16996913	-1.3E+07	-1504164

1100.2	696620	-37.9928	-4.02571	16998480	-1.3E+07	-1508163
1100.4	696646.8	-37.9852	-4.0364	17000046	-1.3E+07	-1512162
1100.6	696673.6	-37.9775	-4.04709	17001611	-1.3E+07	-1516161
1100.8	696700.4	-37.9699	-4.05778	17003175	-1.3E+07	-1520160
1101	696727.3	-37.9623	-4.06846	17004738	-1.3E+07	-1524159
1101.2	696754.1	-37.9547	-4.07915	17006300	-1.3E+07	-1528158
1101.4	696781	-37.947	-4.08984	17007861	-1.3E+07	-1532157
1101.6	696807.8	-37.9394	-4.10052	17009422	-1.3E+07	-1536156
1101.8	696834.7	-37.9318	-4.11121	17010982	-1.3E+07	-1540154
1102	696861.6	-37.9242	-4.1219	17012540	-1.3E+07	-1544153
1102.2	696888.5	-37.9165	-4.13258	17014098	-1.3E+07	-1548151
1102.4	696915.4	-37.9089	-4.14327	17015655	-1.3E+07	-1552150
1102.6	696942.3	-37.9013	-4.15396	17017211	-1.3E+07	-1556148
1102.8	696969.3	-37.8937	-4.16464	17018767	-1.3E+07	-1560146
1103	696996.2	-37.886	-4.17533	17020321	-1.3E+07	-1564144
1103.2	697023.2	-37.8784	-4.18601	17021874	-1.3E+07	-1568143
1103.4	697050.1	-37.8708	-4.1967	17023427	-1.3E+07	-1572140
1103.6	697077.1	-37.8631	-4.20738	17024979	-1.3E+07	-1576138
1103.8	697104.1	-37.8555	-4.21807	17026530	-1.3E+07	-1580136
1104	697131.1	-37.8479	-4.22875	17028080	-1.3E+07	-1584134
1104.2	697158.1	-37.8403	-4.23944	17029629	-1.3E+07	-1588131
1104.4	697185.1	-37.8326	-4.25012	17031177	-1.3E+07	-1592129
1104.6	697212.1	-37.825	-4.26081	17032725	-1.3E+07	-1596126
1104.8	697239.2	-37.8174	-4.27149	17034271	-1.3E+07	-1600124
1105	697266.2	-37.8097	-4.28218	17035817	-1.3E+07	-1604121
1105.2	697293.3	-37.8021	-4.29286	17037361	-1.3E+07	-1608118
1105.4	697320.3	-37.7945	-4.30355	17038905	-1.3E+07	-1612115
1105.6	697347.4	-37.7869	-4.31423	17040448	-1.3E+07	-1616112
1105.8	697374.5	-37.7792	-4.32492	17041990	-1.3E+07	-1620109
1106	697401.6	-37.7716	-4.3356	17043532	-1.3E+07	-1624106
1106.2	697428.7	-37.764	-4.34628	17045072	-1.3E+07	-1628102
1106.4	697455.8	-37.7563	-4.35697	17046612	-1.3E+07	-1632099
1106.6	697482.9	-37.7487	-4.36765	17048150	-1.3E+07	-1636095
1106.8	697510.1	-37.7411	-4.37833	17049688	-1.3E+07	-1640092
1107	697537.2	-37.7334	-4.38902	17051225	-1.3E+07	-1644088
1107.2	697564.4	-37.7258	-4.3997	17052761	-1.3E+07	-1648084
1107.4	697591.6	-37.7182	-4.41038	17054296	-1.3E+07	-1652081
1107.6	697618.7	-37.7105	-4.42107	17055830	-1.3E+07	-1656077
1107.8	697645.9	-37.7029	-4.43175	17057363	-1.3E+07	-1660073
1108	697673.1	-37.6953	-4.44243	17058896	-1.3E+07	-1664068
1108.2	697700.3	-37.6876	-4.45312	17060428	-1.3E+07	-1668064
1108.4	697727.6	-37.68	-4.4638	17061958	-1.3E+07	-1672060
1108.6	697754.8	-37.6724	-4.47448	17063488	-1.3E+07	-1676056
1108.8	697782	-37.6647	-4.48516	17065017	-1.3E+07	-1680051
1109	697809.3	-37.6571	-4.49585	17066545	-1.3E+07	-1684046
1109.2	697836.6	-37.6495	-4.50653	17068072	-1.3E+07	-1688042
1109.4	697863.8	-37.6418	-4.51721	17069599	-1.3E+07	-1692037

1109.6	697891.1	-37.6342	-4.52789	17071124	-1.3E+07	-1696032
1109.8	697918.4	-37.6266	-4.53857	17072649	-1.3E+07	-1700027
1110	697945.7	-37.6189	-4.54925	17074173	-1.3E+07	-1704022
1110.2	697973	-37.6113	-4.55994	17075695	-1.3E+07	-1708017
1110.4	698000.4	-37.6037	-4.57062	17077217	-1.3E+07	-1712012
1110.6	698027.7	-37.596	-4.5813	17078738	-1.3E+07	-1716006
1110.8	698055	-37.5884	-4.59198	17080259	-1.3E+07	-1720001
1111	698082.4	-37.5808	-4.60266	17081778	-1.3E+07	-1723995
1111.2	698109.8	-37.5731	-4.61334	17083296	-1.3E+07	-1727990
1111.4	698137.1	-37.5655	-4.62402	17084814	-1.3E+07	-1731984
1111.6	698164.5	-37.5579	-4.6347	17086331	-1.3E+07	-1735978
1111.8	698191.9	-37.5502	-4.64538	17087847	-1.3E+07	-1739972
1112	698219.3	-37.5426	-4.65606	17089362	-1.3E+07	-1743966
1112.2	698246.7	-37.5349	-4.66674	17090876	-1.3E+07	-1747960
1112.4	698274.2	-37.5273	-4.67742	17092389	-1.3E+07	-1751954
1112.6	698301.6	-37.5197	-4.6881	17093901	-1.3E+07	-1755947
1112.8	698329.1	-37.512	-4.69878	17095413	-1.3E+07	-1759941
1113	698356.5	-37.5044	-4.70946	17096923	-1.3E+07	-1763934
1113.2	698384	-37.4968	-4.72014	17098433	-1.3E+07	-1767928
1113.4	698411.5	-37.4891	-4.73082	17099942	-1.3E+07	-1771921
1113.6	698439	-37.4815	-4.7415	17101449	-1.3E+07	-1775914
1113.8	698466.5	-37.4738	-4.75218	17102956	-1.3E+07	-1779907
1114	698494	-37.4662	-4.76286	17104463	-1.3E+07	-1783900
1114.2	698521.5	-37.4586	-4.77354	17105968	-1.3E+07	-1787893
1114.4	698549	-37.4509	-4.78421	17107472	-1.3E+07	-1791886
1114.6	698576.6	-37.4433	-4.79489	17108976	-1.3E+07	-1795878
1114.8	698604.1	-37.4356	-4.80557	17110479	-1.3E+07	-1799871
1115	698631.7	-37.428	-4.81625	17111980	-1.3E+07	-1803864
1115.2	698659.2	-37.4204	-4.82693	17113481	-1.3E+07	-1807856
1115.4	698686.8	-37.4127	-4.8376	17114981	-1.3E+07	-1811848
1115.6	698714.4	-37.4051	-4.84828	17116480	-1.3E+07	-1815840
1115.8	698742	-37.3974	-4.85896	17117979	-1.3E+07	-1819832
1116	698769.6	-37.3898	-4.86964	17119476	-1.3E+07	-1823824
1116.2	698797.3	-37.3821	-4.88031	17120972	-1.3E+07	-1827816
1116.4	698824.9	-37.3745	-4.89099	17122468	-1.3E+07	-1831808
1116.6	698852.5	-37.3669	-4.90167	17123963	-1.3E+07	-1835800
1116.8	698880.2	-37.3592	-4.91235	17125457	-1.3E+07	-1839791
1117	698907.9	-37.3516	-4.92302	17126950	-1.3E+07	-1843783
1117.2	698935.5	-37.3439	-4.9337	17128442	-1.3E+07	-1847774
1117.4	698963.2	-37.3363	-4.94438	17129933	-1.3E+07	-1851765
1117.6	698990.9	-37.3286	-4.95505	17131423	-1.3E+07	-1855756
1117.8	699018.6	-37.321	-4.96573	17132913	-1.3E+07	-1859747
1118	699046.3	-37.3134	-4.97641	17134401	-1.3E+07	-1863738
1118.2	699074.1	-37.3057	-4.98708	17135889	-1.3E+07	-1867729
1118.4	699101.8	-37.2981	-4.99776	17137376	-1.3E+07	-1871720
1118.6	699129.5	-37.2904	-5.00843	17138862	-1.3E+07	-1875711
1118.8	699157.3	-37.2828	-5.01911	17140347	-1.3E+07	-1879701

1119	699185.1	-37.2751	-5.02978	17141831	-1.3E+07	-1883692
1119.2	699212.8	-37.2675	-5.04046	17143314	-1.3E+07	-1887682
1119.4	699240.6	-37.2598	-5.05113	17144797	-1.3E+07	-1891672
1119.6	699268.4	-37.2522	-5.06181	17146278	-1.3E+07	-1895662
1119.8	699296.2	-37.2445	-5.07248	17147759	-1.3E+07	-1899652
1120	699324	-37.2369	-5.08316	17149239	-1.3E+07	-1903642
1120.2	699351.9	-37.2292	-5.09383	17150718	-1.3E+07	-1907632
1120.4	699379.7	-37.2216	-5.10451	17152196	-1.3E+07	-1911621
1120.6	699407.6	-37.214	-5.11518	17153673	-1.3E+07	-1915611
1120.8	699435.4	-37.2063	-5.12586	17155149	-1.3E+07	-1919600
1121	699463.3	-37.1987	-5.13653	17156625	-1.3E+07	-1923590
1121.2	699491.2	-37.191	-5.1472	17158099	-1.3E+07	-1927579
1121.4	699519.1	-37.1834	-5.15788	17159573	-1.3E+07	-1931568
1121.6	699547	-37.1757	-5.16855	17161046	-1.3E+07	-1935557
1121.8	699574.9	-37.1681	-5.17922	17162517	-1.3E+07	-1939546
1122	699602.8	-37.1604	-5.1899	17163988	-1.3E+07	-1943535
1122.2	699630.7	-37.1528	-5.20057	17165458	-1.3E+07	-1947524
1122.4	699658.6	-37.1451	-5.21124	17166928	-1.3E+07	-1951512
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1123	699742.5	-37.1222	-5.24326	17171330	-1.3E+07	-1963477
1123.2	699770.5	-37.1145	-5.25393	17172796	-1.3E+07	-1967466
1123.4	699798.5	-37.1069	-5.26461	17174261	-1.3E+07	-1971454
1123.6	699826.5	-37.0992	-5.27528	17175725	-1.3E+07	-1975441
1123.8	699854.5	-37.0916	-5.28595	17177188	-1.3E+07	-1979429
1124	699882.5	-37.0839	-5.29662	17178650	-1.3E+07	-1983417
1124.2	699910.6	-37.0763	-5.30729	17180111	-1.3E+07	-1987405
1124.4	699938.6	-37.0686	-5.31797	17181571	-1.3E+07	-1991392
1124.6	699966.7	-37.0609	-5.32864	17183031	-1.3E+07	-1995379
1124.8	699994.7	-37.0533	-5.33931	17184490	-1.3E+07	-1999367
1125	700022.8	-37.0456	-5.34998	17185947	-1.3E+07	-2003354
1125.2	700050.9	-37.038	-5.36065	17187404	-1.3E+07	-2007341
1125.4	700079	-37.0303	-5.37132	17188860	-1.3E+07	-2011328
1125.6	700107.1	-37.0227	-5.38199	17190315	-1.3E+07	-2015315
1125.8	700135.2	-37.015	-5.39266	17191770	-1.3E+07	-2019301
1126	700163.3	-37.0074	-5.40333	17193223	-1.3E+07	-2023288
1126.2	700191.4	-36.9997	-5.414	17194676	-1.3E+07	-2027274
1126.4	700219.6	-36.9921	-5.42467	17196127	-1.3E+07	-2031261
1126.6	700247.7	-36.9844	-5.43534	17197578	-1.3E+07	-2035247
1126.8	700275.9	-36.9767	-5.44601	17199028	-1.3E+07	-2039233
1127	700304.1	-36.9691	-5.45668	17200477	-1.3E+07	-2043219
1127.2	700332.3	-36.9614	-5.46735	17201925	-1.3E+07	-2047205
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1127.6	700388.7	-36.9461	-5.48869	17204818	-1.3E+07	-2055177
1127.8	700416.9	-36.9385	-5.49936	17206264	-1.3E+07	-2059162
1128	700445.1	-36.9308	-5.51003	17207708	-1.3E+07	-2063148
1128.2	700473.3	-36.9231	-5.5207	17209152	-1.3E+07	-2067133

1128.4	700501.6	-36.9155	-5.53137	17210595	-1.3E+07	-2071118
1128.6	700529.8	-36.9078	-5.54203	17212036	-1.3E+07	-2075103
1128.8	700558.1	-36.9002	-5.5527	17213477	-1.3E+07	-2079088
1129	700586.4	-36.8925	-5.56337	17214918	-1.3E+07	-2083073
1129.2	700614.7	-36.8848	-5.57404	17216357	-1.3E+07	-2087058
1129.4	700643	-36.8772	-5.58471	17217795	-1.3E+07	-2091043
1129.6	700671.3	-36.8695	-5.59537	17219233	-1.3E+07	-2095027
1129.8	700699.6	-36.8619	-5.60604	17220669	-1.3E+07	-2099012
1130	700727.9	-36.8542	-5.61671	17222105	-1.3E+07	-2102996
1130.2	700756.2	-36.8465	-5.62738	17223540	-1.3E+07	-2106980
1130.4	700784.6	-36.8389	-5.63804	17224974	-1.3E+07	-2110964
1130.6	700813	-36.8312	-5.64871	17226407	-1.3E+07	-2114948
1130.8	700841.3	-36.8236	-5.65938	17227839	-1.3E+07	-2118932
1131	700869.7	-36.8159	-5.67004	17229270	-1.3E+07	-2122915
1131.2	700898.1	-36.8082	-5.68071	17230701	-1.3E+07	-2126899
1131.4	700926.5	-36.8006	-5.69138	17232130	-1.3E+07	-2130882
1131.6	700954.9	-36.7929	-5.70204	17233559	-1.3E+07	-2134866
1131.8	700983.3	-36.7853	-5.71271	17234987	-1.3E+07	-2138849
1132	701011.7	-36.7776	-5.72337	17236414	-1.3E+07	-2142832
1132.2	701040.2	-36.7699	-5.73404	17237839	-1.3E+07	-2146815
1132.4	701068.6	-36.7623	-5.74471	17239265	-1.3E+07	-2150798
1132.6	701097.1	-36.7546	-5.75537	17240689	-1.3E+07	-2154781
1132.8	701125.5	-36.7469	-5.76604	17242112	-1.3E+07	-2158763
1133	701154	-36.7393	-5.7767	17243535	-1.3E+07	-2162746
1133.2	701182.5	-36.7316	-5.78737	17244956	-1.3E+07	-2166728
1133.4	701211	-36.7239	-5.79803	17246377	-1.3E+07	-2170710
1133.6	701239.5	-36.7163	-5.80869	17247797	-1.3E+07	-2174693
1133.8	701268	-36.7086	-5.81936	17249216	-1.3E+07	-2178675
1134	701296.6	-36.7009	-5.83002	17250634	-1.3E+07	-2182657
1134.2	701325.1	-36.6933	-5.84069	17252051	-1.3E+07	-2186638
1134.4	701353.6	-36.6856	-5.85135	17253467	-1.3E+07	-2190620
1134.6	701382.2	-36.6779	-5.86201	17254883	-1.3E+07	-2194601
1134.8	701410.8	-36.6703	-5.87268	17256297	-1.3E+07	-2198583
1135	701439.3	-36.6626	-5.88334	17257711	-1.3E+07	-2202564
1135.2	701467.9	-36.6549	-5.894	17259123	-1.3E+07	-2206545
1135.4	701496.5	-36.6473	-5.90467	17260535	-1.3E+07	-2210526
1135.6	701525.1	-36.6396	-5.91533	17261946	-1.3E+07	-2214507
1135.8	701553.8	-36.6319	-5.92599	17263356	-1.3E+07	-2218488
1136	701582.4	-36.6243	-5.93666	17264765	-1.3E+07	-2222469
1136.2	701611	-36.6166	-5.94732	17266174	-1.3E+07	-2226449
1136.4	701639.7	-36.6089	-5.95798	17267581	-1.3E+07	-2230430
1136.6	701668.3	-36.6012	-5.96864	17268988	-1.3E+07	-2234410
1136.8	701697	-36.5936	-5.9793	17270393	-1.3E+07	-2238390
1137	701725.7	-36.5859	-5.98997	17271798	-1.3E+07	-2242370
1137.2	701754.4	-36.5782	-6.00063	17273202	-1.3E+07	-2246350
1137.4	701783.1	-36.5706	-6.01129	17274605	-1.3E+07	-2250330
1137.6	701811.8	-36.5629	-6.02195	17276007	-1.3E+07	-2254310

1137.8	701840.5	-36.5552	-6.03261	17277408	-1.3E+07	-2258289
1138	701869.2	-36.5475	-6.04327	17278809	-1.3E+07	-2262268
1138.2	701898	-36.5399	-6.05393	17280208	-1.3E+07	-2266248
1138.4	701926.7	-36.5322	-6.06459	17281607	-1.3E+07	-2270227
1138.6	701955.5	-36.5245	-6.07526	17283005	-1.3E+07	-2274206
1138.8	701984.3	-36.5169	-6.08592	17284401	-1.3E+07	-2278185
1139	702013	-36.5092	-6.09658	17285797	-1.3E+07	-2282164
1139.2	702041.8	-36.5015	-6.10724	17287192	-1.3E+07	-2286142
1139.4	702070.6	-36.4938	-6.1179	17288586	-1.3E+07	-2290121
1139.6	702099.4	-36.4862	-6.12855	17289980	-1.3E+07	-2294099
1139.8	702128.2	-36.4785	-6.13921	17291372	-1.3E+07	-2298077
1140	702157.1	-36.4708	-6.14987	17292764	-1.3E+07	-2302056
1140.2	702185.9	-36.4631	-6.16053	17294154	-1.3E+07	-2306034
1140.4	702214.8	-36.4555	-6.17119	17295544	-1.3E+07	-2310011
1140.6	702243.6	-36.4478	-6.18185	17296933	-1.3E+07	-2313989
1140.8	702272.5	-36.4401	-6.19251	17298321	-1.3E+07	-2317967
1141	702301.4	-36.4324	-6.20317	17299708	-1.3E+07	-2321944
1141.2	702330.3	-36.4247	-6.21383	17301094	-1.3E+07	-2325922
1141.4	702359.2	-36.4171	-6.22448	17302479	-1.3E+07	-2329899
1141.6	702388.1	-36.4094	-6.23514	17303864	-1.3E+07	-2333876
1141.8	702417	-36.4017	-6.2458	17305247	-1.3E+07	-2337853
1142	702445.9	-36.394	-6.25646	17306630	-1.3E+07	-2341830
1142.2	702474.9	-36.3863	-6.26711	17308012	-1.3E+07	-2345806
1142.4	702503.8	-36.3787	-6.27777	17309392	-1.3E+07	-2349783
1142.6	702532.8	-36.371	-6.28843	17310772	-1.3E+07	-2353759
1142.8	702561.7	-36.3633	-6.29909	17312151	-1.3E+07	-2357736
1143	702590.7	-36.3556	-6.30974	17313530	-1.3E+07	-2361712
1143.2	702619.7	-36.3479	-6.3204	17314907	-1.3E+07	-2365688
1143.4	702648.7	-36.3403	-6.33106	17316283	-1.3E+07	-2369664
1143.6	702677.7	-36.3326	-6.34171	17317659	-1.3E+07	-2373640
1143.8	702706.7	-36.3249	-6.35237	17319034	-1.3E+07	-2377615
1144	702735.8	-36.3172	-6.36302	17320407	-1.3E+07	-2381591
1144.2	702764.8	-36.3095	-6.37368	17321780	-1.3E+07	-2385566
1144.4	702793.9	-36.3019	-6.38434	17323152	-1.3E+07	-2389542
1144.6	702822.9	-36.2942	-6.39499	17324523	-1.3E+07	-2393517
1144.8	702852	-36.2865	-6.40565	17325894	-1.3E+07	-2397492
1145	702881.1	-36.2788	-6.4163	17327263	-1.3E+07	-2401466
1145.2	702910.2	-36.2711	-6.42696	17328631	-1.3E+07	-2405441
1145.4	702939.3	-36.2634	-6.43761	17329999	-1.3E+07	-2409416
1145.6	702968.4	-36.2558	-6.44827	17331366	-1.3E+07	-2413390
1145.8	702997.5	-36.2481	-6.45892	17332731	-1.3E+07	-2417365
1146	703026.6	-36.2404	-6.46957	17334096	-1.3E+07	-2421339
1146.2	703055.8	-36.2327	-6.48023	17335460	-1.3E+07	-2425313
1146.4	703084.9	-36.225	-6.49088	17336823	-1.3E+07	-2429287
1146.6	703114.1	-36.2173	-6.50154	17338186	-1.3E+07	-2433260
1146.8	703143.2	-36.2096	-6.51219	17339547	-1.3E+07	-2437234
1147	703172.4	-36.202	-6.52284	17340907	-1.3E+07	-2441208

1147.2	703201.6	-36.1943	-6.5335	17342267	-1.3E+07	-2445181
1147.4	703230.8	-36.1866	-6.54415	17343626	-1.3E+07	-2449154
1147.6	703260	-36.1789	-6.5548	17344983	-1.3E+07	-2453127
1147.8	703289.2	-36.1712	-6.56545	17346340	-1.3E+07	-2457100
1148	703318.5	-36.1635	-6.57611	17347696	-1.3E+07	-2461073
1148.2	703347.7	-36.1558	-6.58676	17349052	-1.3E+07	-2465046
1148.4	703376.9	-36.1481	-6.59741	17350406	-1.3E+07	-2469018
1148.6	703406.2	-36.1404	-6.60806	17351759	-1.3E+07	-2472991
1148.8	703435.5	-36.1328	-6.61871	17353112	-1.3E+07	-2476963
1149	703464.7	-36.1251	-6.62937	17354463	-1.3E+07	-2480935
1149.2	703494	-36.1174	-6.64002	17355814	-1.3E+07	-2484907
1149.4	703523.3	-36.1097	-6.65067	17357164	-1.3E+07	-2488879
1149.6	703552.6	-36.102	-6.66132	17358513	-1.3E+07	-2492851
1149.8	703582	-36.0943	-6.67197	17359861	-1.3E+07	-2496822
1150	703611.3	-36.0866	-6.68262	17361208	-1.3E+07	-2500793

Antares Orb-2 Close Trajectory

TIME (sec)	ALT (ft)	LONG (deg)	GDLAT (deg)	XF (ft)	YF (ft)	ZF (ft)
0.001646	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.19998	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.201646	-35.1719	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.399979	-35.1767	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.599979	-35.179	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.799979	-35.1851	-75.4877	37.83387	4146667	-1.6E+07	12765389
0.999979	-35.1916	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.199979	-35.1982	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.399979	-35.2057	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.599979	-35.2133	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.799979	-35.2208	-75.4877	37.83387	4146667	-1.6E+07	12765389
1.999979	-35.2294	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.199979	-35.2332	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.399979	-35.0852	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.409979	-35.0714	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.599979	-34.6936	-75.4877	37.83387	4146667	-1.6E+07	12765389
2.799979	-34.0558	-75.4877	37.83387	4146667	-1.6E+07	12765390
2.999979	-33.1702	-75.4877	37.83387	4146667	-1.6E+07	12765390
3.199979	-32.036	-75.4877	37.83387	4146668	-1.6E+07	12765391
3.399979	-30.6506	-75.4877	37.83387	4146668	-1.6E+07	12765392
3.599979	-29.0046	-75.4877	37.83387	4146668	-1.6E+07	12765393
3.799979	-27.0926	-75.4877	37.83387	4146668	-1.6E+07	12765394
3.999979	-24.9141	-75.4877	37.83387	4146669	-1.6E+07	12765395
4.199979	-22.4682	-75.4877	37.83387	4146669	-1.6E+07	12765397
4.399979	-19.7532	-75.4877	37.83387	4146670	-1.6E+07	12765398
4.599979	-16.7678	-75.4877	37.83387	4146671	-1.6E+07	12765400
4.799979	-13.5111	-75.4877	37.83387	4146672	-1.6E+07	12765402
4.999979	-9.98214	-75.4877	37.83387	4146673	-1.6E+07	12765404
5.199979	-6.17968	-75.4877	37.83387	4146674	-1.6E+07	12765406
5.399979	-2.10198	-75.4877	37.83387	4146675	-1.6E+07	12765408
5.599979	2.252875	-75.4877	37.83387	4146676	-1.6E+07	12765410
5.799979	6.886476	-75.4877	37.83386	4146677	-1.6E+07	12765412
5.999979	11.8002	-75.4877	37.83386	4146679	-1.6E+07	12765415
6.199979	16.9953	-75.4877	37.83386	4146680	-1.6E+07	12765418
6.399979	22.47298	-75.4877	37.83386	4146682	-1.6E+07	12765421
6.599979	28.23452	-75.4877	37.83386	4146683	-1.6E+07	12765424
6.799979	34.28131	-75.4877	37.83386	4146685	-1.6E+07	12765427
6.999979	40.61474	-75.4877	37.83385	4146687	-1.6E+07	12765430
7.199979	47.2361	-75.4877	37.83385	4146689	-1.6E+07	12765434
7.399979	54.1467	-75.4877	37.83385	4146691	-1.6E+07	12765437
7.599979	61.34794	-75.4877	37.83385	4146693	-1.6E+07	12765441
7.799979	68.84085	-75.4877	37.83385	4146695	-1.6E+07	12765445
7.999979	76.62667	-75.4877	37.83384	4146697	-1.6E+07	12765449

8.199979	84.70668	-75.4877	37.83384	4146699	-1.6E+07	12765454
8.399979	93.08213	-75.4877	37.83384	4146701	-1.6E+07	12765458
8.599979	101.7543	-75.4877	37.83384	4146704	-1.6E+07	12765463
8.799979	110.7245	-75.4877	37.83384	4146706	-1.6E+07	12765468
8.999979	119.9939	-75.4877	37.83383	4146709	-1.6E+07	12765473
9.199979	129.5638	-75.4877	37.83383	4146711	-1.6E+07	12765478
9.399979	139.4355	-75.4877	37.83383	4146714	-1.6E+07	12765484
9.599979	149.6102	-75.4877	37.83383	4146716	-1.6E+07	12765489
9.799979	160.0892	-75.4876	37.83382	4146719	-1.6E+07	12765495
9.999979	170.8739	-75.4876	37.83382	4146722	-1.6E+07	12765501
10.19998	181.9654	-75.4876	37.83382	4146725	-1.6E+07	12765507
10.39998	193.365	-75.4876	37.83382	4146728	-1.6E+07	12765513
10.59998	205.0739	-75.4876	37.83382	4146731	-1.6E+07	12765520
10.79998	217.0936	-75.4876	37.83381	4146734	-1.6E+07	12765527
10.99998	229.4253	-75.4876	37.83381	4146738	-1.6E+07	12765534
11.19998	242.0702	-75.4876	37.83381	4146741	-1.6E+07	12765541
11.39998	255.0296	-75.4876	37.83381	4146744	-1.6E+07	12765548
11.59998	268.3049	-75.4876	37.8338	4146748	-1.6E+07	12765555
11.79998	281.8972	-75.4876	37.8338	4146751	-1.6E+07	12765563
11.99998	295.8079	-75.4876	37.8338	4146755	-1.6E+07	12765571
12.19998	310.0383	-75.4876	37.8338	4146759	-1.6E+07	12765579
12.39998	324.5897	-75.4876	37.83379	4146763	-1.6E+07	12765587
12.59998	339.4634	-75.4876	37.83379	4146767	-1.6E+07	12765596
12.79998	354.6607	-75.4876	37.83379	4146771	-1.6E+07	12765604
12.99998	370.1829	-75.4876	37.83379	4146775	-1.6E+07	12765613
13.19998	386.0312	-75.4876	37.83379	4146779	-1.6E+07	12765622
13.39998	402.2071	-75.4876	37.83378	4146783	-1.6E+07	12765631
13.59998	418.7118	-75.4876	37.83378	4146788	-1.6E+07	12765641
13.79998	435.5466	-75.4876	37.83378	4146792	-1.6E+07	12765650
13.99998	452.7128	-75.4876	37.83377	4146797	-1.6E+07	12765660
14.19998	470.2117	-75.4876	37.83377	4146801	-1.6E+07	12765670
14.39998	488.0448	-75.4876	37.83377	4146806	-1.6E+07	12765680
14.59998	506.2133	-75.4876	37.83377	4146811	-1.6E+07	12765691
14.79998	524.7186	-75.4876	37.83376	4146816	-1.6E+07	12765701
14.99998	543.5619	-75.4876	37.83376	4146821	-1.6E+07	12765712
15.19998	562.7446	-75.4876	37.83376	4146826	-1.6E+07	12765723
15.39998	582.2679	-75.4876	37.83376	4146831	-1.6E+07	12765734
15.59998	602.1334	-75.4876	37.83375	4146837	-1.6E+07	12765746
15.79998	622.3423	-75.4876	37.83375	4146842	-1.6E+07	12765757
15.99998	642.896	-75.4875	37.83375	4146848	-1.6E+07	12765769
16.19998	663.7958	-75.4875	37.83374	4146853	-1.6E+07	12765781
16.39998	685.043	-75.4875	37.83374	4146859	-1.6E+07	12765793
16.59998	706.6391	-75.4875	37.83374	4146865	-1.6E+07	12765806
16.79998	728.5855	-75.4875	37.83374	4146871	-1.6E+07	12765818
16.99998	750.8834	-75.4875	37.83373	4146877	-1.6E+07	12765831
17.19998	773.5342	-75.4875	37.83373	4146883	-1.6E+07	12765844
17.39998	796.5394	-75.4875	37.83373	4146889	-1.6E+07	12765857

17.59998	819.9001	-75.4875	37.83372	4146896	-1.6E+07	12765871
17.79998	843.618	-75.4875	37.83372	4146902	-1.6E+07	12765884
17.99998	867.6944	-75.4875	37.83372	4146909	-1.6E+07	12765898
18.19998	892.1308	-75.4875	37.83371	4146915	-1.6E+07	12765912
18.39998	916.9284	-75.4875	37.83371	4146922	-1.6E+07	12765927
18.59998	942.0887	-75.4875	37.83371	4146929	-1.6E+07	12765941
18.79998	967.6131	-75.4875	37.8337	4146936	-1.6E+07	12765956
18.99998	993.5029	-75.4875	37.8337	4146943	-1.6E+07	12765971
19.19998	1019.76	-75.4875	37.8337	4146951	-1.6E+07	12765986
19.39998	1046.385	-75.4874	37.83369	4146958	-1.6E+07	12766001
19.59998	1073.38	-75.4874	37.83369	4146965	-1.6E+07	12766017
19.79998	1100.746	-75.4874	37.83369	4146973	-1.6E+07	12766033
19.99998	1128.486	-75.4874	37.83368	4146981	-1.6E+07	12766049
20.19998	1156.599	-75.4874	37.83368	4146989	-1.6E+07	12766065
20.39998	1185.088	-75.4874	37.83368	4146997	-1.6E+07	12766081
20.59998	1213.954	-75.4874	37.83367	4147005	-1.6E+07	12766098
20.79998	1243.199	-75.4874	37.83367	4147013	-1.6E+07	12766115
20.99998	1272.823	-75.4874	37.83367	4147021	-1.6E+07	12766132
21.19998	1302.83	-75.4874	37.83366	4147030	-1.6E+07	12766149
21.39998	1333.219	-75.4874	37.83366	4147038	-1.6E+07	12766167
21.59998	1363.994	-75.4874	37.83366	4147047	-1.6E+07	12766185
21.79998	1395.154	-75.4874	37.83365	4147056	-1.6E+07	12766203
21.99998	1426.702	-75.4873	37.83365	4147065	-1.6E+07	12766221
22.19998	1458.64	-75.4873	37.83364	4147074	-1.6E+07	12766240
22.39998	1490.968	-75.4873	37.83364	4147083	-1.6E+07	12766258
22.59998	1523.688	-75.4873	37.83364	4147092	-1.6E+07	12766277
22.79998	1556.803	-75.4873	37.83363	4147102	-1.6E+07	12766296
22.99998	1590.312	-75.4873	37.83363	4147111	-1.6E+07	12766316
23.19998	1624.219	-75.4873	37.83362	4147121	-1.6E+07	12766335
23.39998	1658.525	-75.4873	37.83362	4147131	-1.6E+07	12766355
23.59998	1693.231	-75.4873	37.83362	4147141	-1.6E+07	12766375
23.79998	1728.339	-75.4873	37.83361	4147151	-1.6E+07	12766396
23.99998	1763.85	-75.4872	37.83361	4147162	-1.6E+07	12766416
24.19998	1799.766	-75.4872	37.8336	4147172	-1.6E+07	12766437
24.39998	1836.087	-75.4872	37.8336	4147183	-1.6E+07	12766458
24.59998	1872.805	-75.4872	37.83359	4147193	-1.6E+07	12766479
24.79998	1909.909	-75.4872	37.83359	4147204	-1.6E+07	12766501
24.99998	1947.388	-75.4872	37.83359	4147215	-1.6E+07	12766522
25.19998	1985.229	-75.4872	37.83358	4147226	-1.6E+07	12766544
25.39998	2023.422	-75.4872	37.83358	4147237	-1.6E+07	12766566
25.59998	2061.966	-75.4872	37.83357	4147249	-1.6E+07	12766589
25.79998	2100.861	-75.4871	37.83357	4147260	-1.6E+07	12766611
25.99998	2140.111	-75.4871	37.83356	4147272	-1.6E+07	12766634
26.19998	2179.715	-75.4871	37.83356	4147283	-1.6E+07	12766657
26.39998	2219.676	-75.4871	37.83355	4147295	-1.6E+07	12766680
26.59998	2259.995	-75.4871	37.83355	4147307	-1.6E+07	12766703
26.79998	2300.675	-75.4871	37.83354	4147319	-1.6E+07	12766727

26.99998	2341.715	-75.4871	37.83354	4147332	-1.6E+07	12766751
27.19998	2383.119	-75.487	37.83353	4147344	-1.6E+07	12766775
27.39998	2424.887	-75.487	37.83353	4147357	-1.6E+07	12766799
27.59998	2467.021	-75.487	37.83352	4147369	-1.6E+07	12766823
27.79998	2509.522	-75.487	37.83352	4147382	-1.6E+07	12766848
27.99998	2552.393	-75.487	37.83351	4147395	-1.6E+07	12766873
28.19998	2595.635	-75.487	37.83351	4147408	-1.6E+07	12766898
28.39998	2639.249	-75.487	37.8335	4147421	-1.6E+07	12766923
28.59998	2683.238	-75.4869	37.8335	4147435	-1.6E+07	12766948
28.79998	2727.603	-75.4869	37.83349	4147448	-1.6E+07	12766974
28.99998	2772.345	-75.4869	37.83349	4147462	-1.6E+07	12767000
29.19998	2817.467	-75.4869	37.83348	4147476	-1.6E+07	12767026
29.39998	2862.971	-75.4869	37.83347	4147489	-1.6E+07	12767052
29.59998	2908.857	-75.4869	37.83347	4147504	-1.6E+07	12767079
29.79998	2955.128	-75.4868	37.83346	4147518	-1.6E+07	12767105
29.99998	3001.785	-75.4868	37.83346	4147532	-1.6E+07	12767132
30.04998	3013.51	-75.4868	37.83346	4147536	-1.6E+07	12767139
30.19998	3048.83	-75.4868	37.83345	4147547	-1.6E+07	12767160
30.24998	3060.652	-75.4868	37.83345	4147550	-1.6E+07	12767166
30.39998	3096.265	-75.4868	37.83345	4147561	-1.6E+07	12767187
30.59998	3144.091	-75.4868	37.83344	4147576	-1.6E+07	12767215
30.79998	3192.309	-75.4868	37.83343	4147591	-1.6E+07	12767243
30.99998	3240.923	-75.4867	37.83343	4147606	-1.6E+07	12767271
31.19998	3289.932	-75.4867	37.83342	4147622	-1.6E+07	12767299
31.39998	3339.339	-75.4867	37.83342	4147637	-1.6E+07	12767328
31.59998	3389.146	-75.4867	37.83341	4147653	-1.6E+07	12767356
31.79998	3439.354	-75.4867	37.8334	4147668	-1.6E+07	12767385
31.99998	3489.964	-75.4866	37.8334	4147684	-1.6E+07	12767415
32.19998	3540.979	-75.4866	37.83339	4147700	-1.6E+07	12767444
32.39998	3592.399	-75.4866	37.83339	4147716	-1.6E+07	12767474
32.59998	3644.227	-75.4866	37.83338	4147733	-1.6E+07	12767504
32.79998	3696.464	-75.4866	37.83337	4147749	-1.6E+07	12767534
32.99998	3749.112	-75.4865	37.83337	4147766	-1.6E+07	12767564
33.19998	3802.172	-75.4865	37.83336	4147783	-1.6E+07	12767595
33.39998	3855.646	-75.4865	37.83335	4147800	-1.6E+07	12767626
33.59998	3909.536	-75.4865	37.83335	4147817	-1.6E+07	12767657
33.79998	3963.843	-75.4864	37.83334	4147835	-1.6E+07	12767688
33.99998	4018.568	-75.4864	37.83333	4147852	-1.6E+07	12767720
34.19998	4073.714	-75.4864	37.83332	4147870	-1.6E+07	12767752
34.39998	4129.283	-75.4864	37.83332	4147888	-1.6E+07	12767784
34.59998	4185.275	-75.4864	37.83331	4147906	-1.6E+07	12767816
34.79998	4241.693	-75.4863	37.8333	4147924	-1.6E+07	12767849
34.99998	4298.538	-75.4863	37.8333	4147942	-1.6E+07	12767881
35.19998	4355.811	-75.4863	37.83329	4147961	-1.6E+07	12767914
35.39998	4413.515	-75.4863	37.83328	4147979	-1.6E+07	12767948
35.59998	4471.651	-75.4862	37.83327	4147998	-1.6E+07	12767981
35.79998	4530.221	-75.4862	37.83327	4148017	-1.6E+07	12768015

35.99998	4589.226	-75.4862	37.83326	4148037	-1.6E+07	12768049
36.19998	4648.669	-75.4862	37.83325	4148056	-1.6E+07	12768083
36.39998	4708.55	-75.4861	37.83324	4148076	-1.6E+07	12768118
36.59998	4768.872	-75.4861	37.83324	4148095	-1.6E+07	12768153
36.79998	4829.636	-75.4861	37.83323	4148115	-1.6E+07	12768188
36.99998	4890.844	-75.4861	37.83322	4148135	-1.6E+07	12768223
37.19998	4952.498	-75.486	37.83321	4148156	-1.6E+07	12768258
37.39998	5014.599	-75.486	37.8332	4148176	-1.6E+07	12768294
37.59998	5077.149	-75.486	37.8332	4148197	-1.6E+07	12768330
37.79998	5140.15	-75.4859	37.83319	4148218	-1.6E+07	12768366
37.99998	5203.604	-75.4859	37.83318	4148239	-1.6E+07	12768403
38.19998	5267.512	-75.4859	37.83317	4148260	-1.6E+07	12768440
38.39998	5331.876	-75.4859	37.83316	4148281	-1.6E+07	12768477
38.59998	5396.698	-75.4858	37.83315	4148303	-1.6E+07	12768514
38.79998	5461.98	-75.4858	37.83315	4148325	-1.6E+07	12768552
38.99998	5527.723	-75.4858	37.83314	4148347	-1.6E+07	12768590
39.19998	5593.929	-75.4857	37.83313	4148369	-1.6E+07	12768628
39.39998	5660.6	-75.4857	37.83312	4148391	-1.6E+07	12768666
39.59998	5727.737	-75.4857	37.83311	4148414	-1.6E+07	12768705
39.79998	5795.343	-75.4856	37.8331	4148436	-1.6E+07	12768744
39.99998	5863.419	-75.4856	37.83309	4148459	-1.6E+07	12768783
40.04998	5880.512	-75.4856	37.83309	4148465	-1.6E+07	12768793
40.19998	5931.967	-75.4856	37.83308	4148483	-1.6E+07	12768822
40.24998	5949.179	-75.4856	37.83308	4148488	-1.6E+07	12768832
40.39998	6000.99	-75.4855	37.83308	4148506	-1.6E+07	12768862
40.59998	6070.487	-75.4855	37.83307	4148529	-1.6E+07	12768902
40.79998	6140.463	-75.4855	37.83306	4148553	-1.6E+07	12768942
40.99998	6210.917	-75.4854	37.83305	4148577	-1.6E+07	12768983
41.19998	6281.853	-75.4854	37.83304	4148601	-1.6E+07	12769024
41.39998	6353.271	-75.4854	37.83303	4148625	-1.6E+07	12769065
41.59998	6425.174	-75.4853	37.83302	4148650	-1.6E+07	12769106
41.79998	6497.564	-75.4853	37.83301	4148675	-1.6E+07	12769148
41.99998	6570.441	-75.4853	37.833	4148700	-1.6E+07	12769189
42.19998	6643.809	-75.4852	37.83299	4148725	-1.6E+07	12769232
42.39998	6717.669	-75.4852	37.83298	4148750	-1.6E+07	12769274
42.59998	6792.022	-75.4852	37.83297	4148776	-1.6E+07	12769317
42.79998	6866.871	-75.4851	37.83296	4148801	-1.6E+07	12769360
42.99998	6942.218	-75.4851	37.83295	4148827	-1.6E+07	12769403
43.19998	7018.065	-75.485	37.83294	4148854	-1.6E+07	12769447
43.39998	7094.413	-75.485	37.83293	4148880	-1.6E+07	12769491
43.59998	7171.265	-75.485	37.83292	4148907	-1.6E+07	12769535
43.79998	7248.622	-75.4849	37.83291	4148933	-1.6E+07	12769579
43.99998	7326.485	-75.4849	37.8329	4148960	-1.6E+07	12769624
44.19998	7404.856	-75.4849	37.83289	4148988	-1.6E+07	12769669
44.39998	7483.736	-75.4848	37.83288	4149015	-1.6E+07	12769714
44.59998	7563.125	-75.4848	37.83286	4149043	-1.6E+07	12769760
44.79998	7643.025	-75.4847	37.83285	4149071	-1.6E+07	12769805

44.99998	7723.437	-75.4847	37.83284	4149099	-1.6E+07	12769851
45.19998	7804.361	-75.4846	37.83283	4149128	-1.6E+07	12769897
45.39998	7885.798	-75.4846	37.83282	4149157	-1.6E+07	12769944
45.59998	7967.749	-75.4846	37.8328	4149186	-1.6E+07	12769990
45.79998	8050.217	-75.4845	37.83279	4149215	-1.6E+07	12770037
45.99998	8133.204	-75.4845	37.83278	4149245	-1.6E+07	12770084
46.19998	8216.711	-75.4844	37.83276	4149275	-1.6E+07	12770132
46.39998	8300.74	-75.4844	37.83275	4149305	-1.6E+07	12770179
46.59998	8385.294	-75.4843	37.83274	4149336	-1.6E+07	12770227
46.79998	8470.373	-75.4843	37.83272	4149367	-1.6E+07	12770275
46.99998	8555.979	-75.4842	37.83271	4149398	-1.6E+07	12770323
47.19998	8642.115	-75.4842	37.83269	4149429	-1.6E+07	12770371
47.39998	8728.783	-75.4841	37.83268	4149461	-1.6E+07	12770420
47.59998	8815.984	-75.4841	37.83266	4149493	-1.6E+07	12770469
47.79998	8903.721	-75.484	37.83264	4149525	-1.6E+07	12770518
47.99998	8991.994	-75.484	37.83263	4149558	-1.6E+07	12770567
48.19998	9080.804	-75.4839	37.83261	4149591	-1.6E+07	12770617
48.39998	9170.155	-75.4839	37.83259	4149624	-1.6E+07	12770666
48.59998	9260.049	-75.4838	37.83257	4149658	-1.6E+07	12770716
48.79998	9350.486	-75.4838	37.83255	4149692	-1.6E+07	12770767
48.99998	9441.469	-75.4837	37.83254	4149726	-1.6E+07	12770817
49.19997	9532.998	-75.4837	37.83252	4149761	-1.6E+07	12770868
49.39997	9625.076	-75.4836	37.8325	4149796	-1.6E+07	12770918
49.59997	9717.704	-75.4836	37.83248	4149831	-1.6E+07	12770969
49.79997	9810.883	-75.4835	37.83246	4149867	-1.6E+07	12771021
49.99997	9904.617	-75.4834	37.83244	4149903	-1.6E+07	12771072
50.19997	9998.906	-75.4834	37.83241	4149939	-1.6E+07	12771124
50.39997	10093.75	-75.4833	37.83239	4149976	-1.6E+07	12771176
50.59997	10189.16	-75.4833	37.83237	4150013	-1.6E+07	12771228
50.79997	10285.12	-75.4832	37.83235	4150050	-1.6E+07	12771280
50.99997	10381.65	-75.4831	37.83233	4150088	-1.6E+07	12771333
51.19997	10478.74	-75.4831	37.8323	4150126	-1.6E+07	12771386
51.39997	10576.4	-75.483	37.83228	4150164	-1.6E+07	12771439
51.59997	10674.62	-75.4829	37.83225	4150203	-1.6E+07	12771492
51.79997	10773.41	-75.4829	37.83223	4150242	-1.6E+07	12771546
51.99997	10872.77	-75.4828	37.8322	4150282	-1.6E+07	12771599
52.19997	10972.71	-75.4827	37.83218	4150322	-1.6E+07	12771653
52.39997	11073.22	-75.4827	37.83215	4150362	-1.6E+07	12771707
52.59997	11174.3	-75.4826	37.83212	4150403	-1.6E+07	12771762
52.79997	11275.96	-75.4825	37.8321	4150444	-1.6E+07	12771816
52.99997	11378.2	-75.4825	37.83207	4150485	-1.6E+07	12771871
53.19997	11481.02	-75.4824	37.83204	4150527	-1.6E+07	12771926
53.39997	11584.43	-75.4823	37.83201	4150569	-1.6E+07	12771981
53.59997	11688.41	-75.4823	37.83198	4150612	-1.6E+07	12772036
53.79997	11792.99	-75.4822	37.83195	4150655	-1.6E+07	12772092
53.99997	11898.15	-75.4821	37.83192	4150698	-1.6E+07	12772148
54.19997	12003.9	-75.482	37.83189	4150742	-1.6E+07	12772204

54.39997	12110.24	-75.482	37.83186	4150786	-1.6E+07	12772260
54.59997	12217.18	-75.4819	37.83183	4150831	-1.6E+07	12772316
54.79997	12324.7	-75.4818	37.8318	4150876	-1.6E+07	12772373
54.99997	12432.83	-75.4817	37.83176	4150921	-1.6E+07	12772430
55.19997	12541.55	-75.4816	37.83173	4150967	-1.6E+07	12772487
55.39997	12650.87	-75.4816	37.8317	4151013	-1.6E+07	12772544
55.59997	12760.79	-75.4815	37.83166	4151060	-1.6E+07	12772602
55.79997	12871.32	-75.4814	37.83163	4151107	-1.6E+07	12772659
55.99997	12982.44	-75.4813	37.83159	4151155	-1.6E+07	12772717
56.19997	13094.18	-75.4812	37.83156	4151203	-1.6E+07	12772775
56.39997	13206.52	-75.4811	37.83152	4151251	-1.6E+07	12772834
56.59997	13319.47	-75.4811	37.83148	4151300	-1.6E+07	12772892
56.79997	13433.03	-75.481	37.83144	4151349	-1.6E+07	12772951
56.99997	13547.21	-75.4809	37.8314	4151399	-1.6E+07	12773010
57.19997	13662	-75.4808	37.83136	4151449	-1.6E+07	12773069
57.39997	13777.4	-75.4807	37.83132	4151500	-1.6E+07	12773128
57.59997	13893.42	-75.4806	37.83128	4151551	-1.6E+07	12773187
57.79997	14010.06	-75.4805	37.83124	4151603	-1.6E+07	12773247
57.99997	14127.32	-75.4804	37.8312	4151655	-1.6E+07	12773307
58.19997	14245.21	-75.4803	37.83116	4151707	-1.6E+07	12773367
58.39997	14363.71	-75.4802	37.83112	4151761	-1.6E+07	12773427
58.59997	14482.84	-75.4801	37.83107	4151814	-1.6E+07	12773488
58.79997	14602.6	-75.48	37.83103	4151868	-1.6E+07	12773548
58.99997	14722.99	-75.4799	37.83098	4151923	-1.6E+07	12773609
59.19997	14844	-75.4798	37.83094	4151978	-1.6E+07	12773670
59.39997	14965.65	-75.4797	37.83089	4152033	-1.6E+07	12773731
59.59997	15087.93	-75.4796	37.83084	4152089	-1.6E+07	12773793
59.79997	15210.85	-75.4795	37.83079	4152146	-1.6E+07	12773854
59.99997	15334.4	-75.4794	37.83075	4152203	-1.6E+07	12773916
60.19997	15458.59	-75.4793	37.8307	4152260	-1.6E+07	12773978
60.39997	15583.42	-75.4792	37.83065	4152318	-1.6E+07	12774040
60.59997	15708.89	-75.4791	37.83059	4152377	-1.6E+07	12774102
60.79997	15835.01	-75.479	37.83054	4152436	-1.6E+07	12774165
60.99997	15961.77	-75.4788	37.83049	4152495	-1.6E+07	12774228
61.19997	16089.17	-75.4787	37.83044	4152555	-1.6E+07	12774290
61.39997	16217.22	-75.4786	37.83038	4152616	-1.6E+07	12774353
61.59997	16345.91	-75.4785	37.83033	4152677	-1.6E+07	12774417
61.79997	16475.26	-75.4784	37.83027	4152739	-1.6E+07	12774480
61.99997	16605.26	-75.4783	37.83022	4152801	-1.6E+07	12774543
62.19997	16735.9	-75.4781	37.83016	4152864	-1.6E+07	12774607
62.39997	16867.2	-75.478	37.8301	4152927	-1.6E+07	12774671
62.59997	16999.16	-75.4779	37.83004	4152991	-1.6E+07	12774735
62.79997	17131.77	-75.4778	37.82998	4153056	-1.6E+07	12774799
62.99997	17265.03	-75.4776	37.82992	4153121	-1.6E+07	12774863
63.19997	17398.95	-75.4775	37.82986	4153187	-1.6E+07	12774928
63.39997	17533.53	-75.4774	37.8298	4153253	-1.6E+07	12774992
63.59997	17668.77	-75.4773	37.82974	4153320	-1.6E+07	12775057

63.79997	17804.67	-75.4771	37.82967	4153387	-1.6E+07	12775122
63.99997	17941.23	-75.477	37.82961	4153455	-1.6E+07	12775187
64.19997	18078.46	-75.4769	37.82954	4153523	-1.6E+07	12775253
64.39997	18216.35	-75.4767	37.82947	4153592	-1.6E+07	12775318
64.59997	18354.91	-75.4766	37.82941	4153662	-1.6E+07	12775383
64.79997	18494.13	-75.4765	37.82934	4153732	-1.6E+07	12775449
64.99997	18634.02	-75.4763	37.82927	4153803	-1.6E+07	12775515
65.19997	18774.58	-75.4762	37.8292	4153875	-1.6E+07	12775581
65.39997	18915.8	-75.476	37.82913	4153947	-1.6E+07	12775647
65.59997	19057.69	-75.4759	37.82906	4154019	-1.6E+07	12775713
65.79997	19200.21	-75.4757	37.82898	4154093	-1.6E+07	12775779
65.99997	19343.36	-75.4756	37.82891	4154167	-1.6E+07	12775846
66.19997	19487.12	-75.4754	37.82883	4154241	-1.6E+07	12775912
66.39997	19631.48	-75.4753	37.82876	4154316	-1.6E+07	12775979
66.59997	19776.44	-75.4751	37.82868	4154392	-1.6E+07	12776046
66.79997	19921.99	-75.475	37.8286	4154468	-1.6E+07	12776113
66.99997	20068.14	-75.4748	37.82852	4154545	-1.6E+07	12776179
67.19997	20214.89	-75.4747	37.82844	4154623	-1.6E+07	12776246
67.39997	20362.23	-75.4745	37.82836	4154701	-1.6E+07	12776313
67.59997	20510.18	-75.4744	37.82828	4154779	-1.6E+07	12776381
67.79997	20658.73	-75.4742	37.8282	4154859	-1.6E+07	12776448
67.99997	20807.88	-75.474	37.82811	4154939	-1.6E+07	12776515
68.19997	20957.63	-75.4739	37.82803	4155019	-1.6E+07	12776582
68.39997	21107.99	-75.4737	37.82794	4155100	-1.6E+07	12776650
68.59997	21258.95	-75.4735	37.82785	4155182	-1.6E+07	12776717
68.79997	21410.52	-75.4734	37.82777	4155265	-1.6E+07	12776785
68.99997	21562.7	-75.4732	37.82768	4155348	-1.6E+07	12776852
69.19997	21715.48	-75.473	37.82759	4155432	-1.6E+07	12776920
69.39997	21868.87	-75.4728	37.82749	4155516	-1.6E+07	12776988
69.59997	22022.86	-75.4727	37.8274	4155601	-1.6E+07	12777056
69.79997	22177.47	-75.4725	37.82731	4155687	-1.6E+07	12777123
69.99997	22332.69	-75.4723	37.82721	4155773	-1.6E+07	12777191
70.19997	22488.52	-75.4721	37.82712	4155860	-1.6E+07	12777259
70.39997	22644.96	-75.4719	37.82702	4155948	-1.6E+07	12777327
70.59997	22802.01	-75.4718	37.82692	4156036	-1.6E+07	12777395
70.79997	22959.67	-75.4716	37.82682	4156125	-1.6E+07	12777463
70.99997	23117.95	-75.4714	37.82672	4156215	-1.6E+07	12777531
71.19997	23276.84	-75.4712	37.82662	4156305	-1.6E+07	12777599
71.39997	23436.34	-75.471	37.82652	4156397	-1.6E+07	12777667
71.59997	23596.46	-75.4708	37.82641	4156488	-1.6E+07	12777735
71.79997	23757.19	-75.4706	37.82631	4156581	-1.6E+07	12777804
71.99997	23918.54	-75.4704	37.8262	4156674	-1.6E+07	12777872
72.19997	24080.5	-75.4702	37.82609	4156768	-1.6E+07	12777940
72.39997	24243.07	-75.47	37.82598	4156863	-1.6E+07	12778008
72.59997	24406.25	-75.4698	37.82587	4156958	-1.6E+07	12778076
72.79997	24570.05	-75.4696	37.82576	4157054	-1.6E+07	12778145
72.99997	24734.47	-75.4694	37.82565	4157151	-1.6E+07	12778213

73.19997	24899.5	-75.4692	37.82553	4157248	-1.6E+07	12778281
73.39997	25065.14	-75.469	37.82541	4157346	-1.6E+07	12778349
73.59997	25231.4	-75.4688	37.8253	4157445	-1.6E+07	12778418
73.79997	25398.27	-75.4686	37.82518	4157545	-1.6E+07	12778486
73.99997	25565.76	-75.4683	37.82506	4157645	-1.6E+07	12778554
74.19997	25733.86	-75.4681	37.82494	4157746	-1.6E+07	12778622
74.39997	25902.57	-75.4679	37.82482	4157848	-1.6E+07	12778690
74.59997	26071.9	-75.4677	37.82469	4157951	-1.6E+07	12778758
74.79997	26241.84	-75.4675	37.82457	4158054	-1.6E+07	12778827
74.99997	26412.39	-75.4672	37.82444	4158158	-1.6E+07	12778895
75.19997	26583.56	-75.467	37.82431	4158263	-1.6E+07	12778963
75.39997	26755.34	-75.4668	37.82418	4158369	-1.6E+07	12779031
75.59997	26927.73	-75.4665	37.82405	4158475	-1.6E+07	12779099
75.79997	27100.74	-75.4663	37.82392	4158582	-1.6E+07	12779167
75.99997	27274.35	-75.4661	37.82378	4158690	-1.6E+07	12779235
76.19997	27448.59	-75.4658	37.82365	4158799	-1.6E+07	12779302
76.39997	27623.43	-75.4656	37.82351	4158908	-1.6E+07	12779370
76.59997	27798.88	-75.4653	37.82337	4159018	-1.6E+07	12779438
76.79997	27974.94	-75.4651	37.82323	4159129	-1.6E+07	12779506
76.99997	28151.61	-75.4649	37.82309	4159241	-1.6E+07	12779573
77.19997	28328.89	-75.4646	37.82295	4159354	-1.6E+07	12779641
77.39997	28506.78	-75.4644	37.82281	4159467	-1.6E+07	12779708
77.59997	28685.27	-75.4641	37.82266	4159582	-1.6E+07	12779776
77.79997	28864.37	-75.4639	37.82251	4159697	-1.6E+07	12779843
77.99997	29044.08	-75.4636	37.82236	4159812	-1.6E+07	12779910
78.19997	29224.39	-75.4633	37.82221	4159929	-1.6E+07	12779977
78.39997	29405.3	-75.4631	37.82206	4160046	-1.6E+07	12780044
78.59997	29586.82	-75.4628	37.82191	4160165	-1.6E+07	12780111
78.79997	29768.93	-75.4626	37.82175	4160284	-1.6E+07	12780178
78.99997	29951.65	-75.4623	37.82159	4160404	-1.6E+07	12780245
79.19997	30134.96	-75.462	37.82143	4160525	-1.6E+07	12780312
79.39997	30318.88	-75.4617	37.82127	4160646	-1.6E+07	12780378
79.59997	30503.39	-75.4615	37.82111	4160769	-1.6E+07	12780445
79.79997	30688.5	-75.4612	37.82095	4160892	-1.6E+07	12780511
79.99997	30874.2	-75.4609	37.82078	4161016	-1.6E+07	12780577
80.04997	30920.71	-75.4608	37.82074	4161047	-1.6E+07	12780594
80.19997	31060.49	-75.4606	37.82061	4161141	-1.6E+07	12780643
80.24997	31107.16	-75.4606	37.82057	4161172	-1.6E+07	12780660
80.39997	31247.38	-75.4603	37.82045	4161267	-1.6E+07	12780709
80.59997	31434.86	-75.4601	37.82027	4161393	-1.6E+07	12780775
80.79997	31622.93	-75.4598	37.8201	4161521	-1.6E+07	12780841
80.99997	31811.59	-75.4595	37.81993	4161649	-1.6E+07	12780906
81.19997	32000.84	-75.4592	37.81975	4161778	-1.6E+07	12780971
81.39997	32190.68	-75.4589	37.81958	4161908	-1.6E+07	12781037
81.59997	32381.11	-75.4586	37.8194	4162039	-1.6E+07	12781102
81.79997	32572.13	-75.4583	37.81921	4162171	-1.6E+07	12781167
81.99997	32763.73	-75.458	37.81903	4162304	-1.6E+07	12781232

82.19997	32955.93	-75.4577	37.81885	4162438	-1.6E+07	12781296
82.39997	33148.71	-75.4574	37.81866	4162572	-1.6E+07	12781361
82.59997	33342.08	-75.4571	37.81847	4162707	-1.6E+07	12781425
82.79997	33536.05	-75.4568	37.81828	4162844	-1.6E+07	12781489
82.99997	33730.6	-75.4565	37.81809	4162981	-1.6E+07	12781553
83.19997	33925.73	-75.4561	37.8179	4163119	-1.6E+07	12781617
83.39997	34121.46	-75.4558	37.8177	4163258	-1.6E+07	12781680
83.59997	34317.77	-75.4555	37.8175	4163398	-1.6E+07	12781744
83.79997	34514.68	-75.4552	37.8173	4163538	-1.6E+07	12781807
83.99997	34712.17	-75.4549	37.8171	4163680	-1.6E+07	12781870
84.19997	34910.25	-75.4545	37.8169	4163823	-1.6E+07	12781933
84.39997	35108.91	-75.4542	37.81669	4163966	-1.6E+07	12781996
84.59997	35308.17	-75.4539	37.81649	4164111	-1.6E+07	12782058
84.79997	35508.02	-75.4535	37.81628	4164256	-1.6E+07	12782120
84.99997	35708.44	-75.4532	37.81607	4164402	-1.6E+07	12782182
85.19997	35909.46	-75.4528	37.81585	4164550	-1.6E+07	12782244
85.39997	36111.06	-75.4525	37.81564	4164698	-1.6E+07	12782306
85.59997	36313.25	-75.4522	37.81542	4164847	-1.6E+07	12782367
85.79997	36516.04	-75.4518	37.8152	4164997	-1.6E+07	12782429
85.99997	36719.4	-75.4515	37.81498	4165148	-1.6E+07	12782489
86.19997	36923.35	-75.4511	37.81476	4165301	-1.6E+07	12782550
86.39997	37127.89	-75.4508	37.81453	4165454	-1.6E+07	12782611
86.59997	37333.01	-75.4504	37.8143	4165608	-1.6E+07	12782671
86.79997	37538.72	-75.45	37.81408	4165763	-1.6E+07	12782731
86.99997	37745.02	-75.4497	37.81384	4165919	-1.6E+07	12782791
87.19997	37951.9	-75.4493	37.81361	4166076	-1.6E+07	12782850
87.39997	38159.37	-75.4489	37.81337	4166234	-1.6E+07	12782910
87.59997	38367.43	-75.4486	37.81314	4166393	-1.6E+07	12782969
87.79997	38576.07	-75.4482	37.8129	4166552	-1.6E+07	12783028
87.99997	38785.3	-75.4478	37.81266	4166713	-1.6E+07	12783086
88.19997	38995.1	-75.4474	37.81241	4166875	-1.6E+07	12783144
88.39997	39205.5	-75.447	37.81217	4167038	-1.6E+07	12783202
88.59997	39416.48	-75.4467	37.81192	4167203	-1.6E+07	12783260
88.79997	39628.05	-75.4463	37.81167	4167368	-1.6E+07	12783318
88.99997	39840.2	-75.4459	37.81141	4167534	-1.6E+07	12783375
89.19997	40052.93	-75.4455	37.81116	4167701	-1.6E+07	12783432
89.39997	40266.24	-75.4451	37.8109	4167869	-1.6E+07	12783488
89.59997	40480.14	-75.4447	37.81064	4168038	-1.6E+07	12783545
89.79997	40694.62	-75.4443	37.81038	4168208	-1.6E+07	12783601
89.99997	40909.68	-75.4439	37.81012	4168380	-1.6E+07	12783657
90.04997	40963.53	-75.4438	37.81005	4168423	-1.6E+07	12783670
90.19997	41125.32	-75.4435	37.80985	4168552	-1.6E+07	12783712
90.24997	41179.32	-75.4434	37.80978	4168596	-1.6E+07	12783726
90.39997	41341.54	-75.4431	37.80958	4168726	-1.6E+07	12783767
90.59997	41558.34	-75.4426	37.80931	4168900	-1.6E+07	12783822
90.79997	41775.72	-75.4422	37.80904	4169076	-1.6E+07	12783877
90.99997	41993.68	-75.4418	37.80876	4169253	-1.6E+07	12783931

91.19997	42212.21	-75.4414	37.80848	4169430	-1.6E+07	12783985
91.39997	42431.31	-75.4409	37.8082	4169609	-1.6E+07	12784038
91.59997	42650.99	-75.4405	37.80792	4169789	-1.6E+07	12784091
91.79997	42871.24	-75.4401	37.80764	4169971	-1.6E+07	12784144
91.99997	43092.07	-75.4396	37.80735	4170153	-1.6E+07	12784197
92.19997	43313.46	-75.4392	37.80706	4170336	-1.6E+07	12784249
92.39997	43535.42	-75.4388	37.80677	4170521	-1.6E+07	12784301
92.59997	43757.95	-75.4383	37.80647	4170706	-1.6E+07	12784353
92.79997	43981.05	-75.4379	37.80618	4170893	-1.6E+07	12784404
92.99997	44204.72	-75.4374	37.80588	4171081	-1.6E+07	12784455
93.19997	44428.95	-75.437	37.80558	4171270	-1.6E+07	12784505
93.39997	44653.74	-75.4365	37.80527	4171460	-1.6E+07	12784555
93.59997	44879.1	-75.436	37.80497	4171652	-1.6E+07	12784605
93.79997	45105.02	-75.4356	37.80466	4171844	-1.6E+07	12784654
93.99997	45331.51	-75.4351	37.80434	4172038	-1.6E+07	12784703
94.19997	45558.55	-75.4346	37.80403	4172233	-1.6E+07	12784752
94.39997	45786.15	-75.4342	37.80371	4172429	-1.6E+07	12784800
94.59997	46014.31	-75.4337	37.80339	4172626	-1.6E+07	12784848
94.79997	46243.02	-75.4332	37.80307	4172825	-1.6E+07	12784895
94.99997	46472.29	-75.4327	37.80275	4173025	-1.6E+07	12784942
95.19997	46702.1	-75.4322	37.80242	4173226	-1.6E+07	12784989
95.39997	46932.47	-75.4317	37.80209	4173428	-1.6E+07	12785035
95.59997	47163.38	-75.4312	37.80176	4173631	-1.6E+07	12785081
95.79997	47394.85	-75.4307	37.80142	4173836	-1.6E+07	12785126
95.99997	47626.87	-75.4302	37.80109	4174042	-1.6E+07	12785171
96.19997	47859.42	-75.4297	37.80075	4174249	-1.6E+07	12785215
96.39997	48092.52	-75.4292	37.8004	4174457	-1.6E+07	12785259
96.59997	48326.17	-75.4287	37.80006	4174667	-1.6E+07	12785303
96.79997	48560.35	-75.4282	37.79971	4174877	-1.6E+07	12785346
96.99997	48795.08	-75.4277	37.79936	4175090	-1.6E+07	12785389
97.19997	49030.34	-75.4272	37.79901	4175303	-1.6E+07	12785431
97.39997	49266.13	-75.4266	37.79865	4175518	-1.6E+07	12785473
97.59997	49502.46	-75.4261	37.79829	4175734	-1.6E+07	12785514
97.79997	49739.33	-75.4256	37.79793	4175951	-1.6E+07	12785555
97.99997	49976.72	-75.425	37.79757	4176169	-1.6E+07	12785595
98.19997	50214.65	-75.4245	37.7972	4176389	-1.6E+07	12785635
98.39997	50453.09	-75.4239	37.79683	4176610	-1.6E+07	12785675
98.59997	50692.07	-75.4234	37.79646	4176833	-1.6E+07	12785714
98.79997	50931.57	-75.4228	37.79608	4177057	-1.6E+07	12785752
98.99997	51171.59	-75.4223	37.7957	4177282	-1.6E+07	12785790
99.19997	51412.13	-75.4217	37.79532	4177508	-1.6E+07	12785828
99.39997	51653.19	-75.4212	37.79494	4177736	-1.6E+07	12785864
99.59997	51894.76	-75.4206	37.79455	4177965	-1.6E+07	12785901
99.79997	52136.86	-75.42	37.79416	4178196	-1.6E+07	12785937
99.99997	52379.47	-75.4194	37.79377	4178427	-1.6E+07	12785972
100.2	52622.58	-75.4189	37.79337	4178661	-1.6E+07	12786007
100.4	52866.21	-75.4183	37.79297	4178895	-1.6E+07	12786041

100.6	53110.35	-75.4177	37.79257	4179131	-1.6E+07	12786075
100.8	53355	-75.4171	37.79217	4179369	-1.6E+07	12786109
101	53600.15	-75.4165	37.79176	4179607	-1.6E+07	12786141
101.2	53845.81	-75.4159	37.79135	4179847	-1.6E+07	12786173
101.4	54091.97	-75.4153	37.79094	4180089	-1.6E+07	12786205
101.6	54338.63	-75.4147	37.79052	4180332	-1.6E+07	12786236
101.8	54585.79	-75.4141	37.7901	4180576	-1.6E+07	12786267
102	54833.46	-75.4135	37.78968	4180822	-1.6E+07	12786297
102.2	55081.62	-75.4128	37.78925	4181069	-1.6E+07	12786326
102.4	55330.27	-75.4122	37.78883	4181318	-1.6E+07	12786355
102.6	55579.42	-75.4116	37.78839	4181568	-1.6E+07	12786383
102.8	55829.06	-75.411	37.78796	4181820	-1.6E+07	12786410
103	56079.2	-75.4103	37.78752	4182073	-1.6E+07	12786438
103.2	56329.82	-75.4097	37.78708	4182327	-1.6E+07	12786464
103.4	56580.93	-75.409	37.78664	4182583	-1.6E+07	12786490
103.6	56832.52	-75.4084	37.78619	4182841	-1.6E+07	12786515
103.8	57084.59	-75.4077	37.78574	4183099	-1.6E+07	12786540
104	57337.15	-75.4071	37.78529	4183360	-1.6E+07	12786564
104.2	57590.18	-75.4064	37.78483	4183622	-1.6E+07	12786587
104.4	57843.68	-75.4057	37.78437	4183885	-1.6E+07	12786610
104.6	58097.65	-75.4051	37.78391	4184150	-1.6E+07	12786632
104.8	58352.09	-75.4044	37.78344	4184416	-1.6E+07	12786653
105	58607.01	-75.4037	37.78298	4184684	-1.6E+07	12786674
105.2	58862.39	-75.403	37.7825	4184954	-1.6E+07	12786694
105.4	59118.24	-75.4023	37.78203	4185225	-1.6E+07	12786714
105.6	59374.54	-75.4016	37.78155	4185497	-1.6E+07	12786733
105.8	59631.32	-75.4009	37.78107	4185771	-1.6E+07	12786751
106	59888.55	-75.4002	37.78058	4186047	-1.6E+07	12786769
106.2	60146.24	-75.3995	37.78009	4186324	-1.6E+07	12786786
106.4	60404.38	-75.3988	37.7796	4186603	-1.6E+07	12786802
106.6	60662.98	-75.3981	37.77911	4186883	-1.6E+07	12786817
106.8	60922.03	-75.3974	37.77861	4187165	-1.6E+07	12786832
107	61181.54	-75.3967	37.77811	4187449	-1.6E+07	12786846
107.2	61441.49	-75.3959	37.7776	4187734	-1.6E+07	12786860
107.4	61701.89	-75.3952	37.77709	4188020	-1.6E+07	12786873
107.6	61962.73	-75.3945	37.77658	4188309	-1.6E+07	12786885
107.8	62224.02	-75.3937	37.77607	4188598	-1.6E+07	12786896
108	62485.76	-75.393	37.77555	4188890	-1.6E+07	12786907
108.2	62747.93	-75.3922	37.77503	4189183	-1.6E+07	12786917
108.4	63010.53	-75.3915	37.7745	4189478	-1.6E+07	12786926
108.6	63273.56	-75.3907	37.77397	4189774	-1.6E+07	12786935
108.8	63537.04	-75.3899	37.77344	4190072	-1.6E+07	12786942
109	63800.94	-75.3892	37.77291	4190372	-1.6E+07	12786949
109.2	64065.28	-75.3884	37.77237	4190673	-1.6E+07	12786956
109.4	64330.04	-75.3876	37.77182	4190976	-1.6E+07	12786961
109.6	64595.23	-75.3868	37.77128	4191280	-1.6E+07	12786966
109.8	64860.87	-75.386	37.77073	4191586	-1.6E+07	12786970

110	65126.94	-75.3852	37.77018	4191894	-1.6E+07	12786973
110.2	65393.45	-75.3844	37.76962	4192204	-1.6E+07	12786976
110.4	65660.41	-75.3836	37.76906	4192515	-1.6E+07	12786978
110.6	65927.81	-75.3828	37.7685	4192828	-1.6E+07	12786979
110.8	66195.66	-75.382	37.76793	4193142	-1.6E+07	12786979
111	66463.96	-75.3812	37.76736	4193459	-1.6E+07	12786979
111.2	66732.71	-75.3803	37.76679	4193777	-1.6E+07	12786978
111.4	67001.92	-75.3795	37.76621	4194096	-1.6E+07	12786976
111.6	67271.57	-75.3787	37.76563	4194417	-1.6E+07	12786973
111.8	67541.69	-75.3778	37.76504	4194740	-1.6E+07	12786970
112	67812.26	-75.377	37.76445	4195065	-1.6E+07	12786966
112.2	68083.3	-75.3761	37.76386	4195391	-1.6E+07	12786961
112.4	68354.78	-75.3753	37.76327	4195719	-1.6E+07	12786955
112.6	68626.72	-75.3744	37.76267	4196049	-1.6E+07	12786949
112.8	68899.12	-75.3735	37.76207	4196381	-1.6E+07	12786942
113	69171.98	-75.3727	37.76146	4196714	-1.6E+07	12786934
113.2	69445.3	-75.3718	37.76085	4197049	-1.6E+07	12786925
113.4	69719.08	-75.3709	37.76024	4197386	-1.6E+07	12786916
113.6	69993.31	-75.37	37.75962	4197724	-1.6E+07	12786906
113.8	70268.01	-75.3691	37.759	4198064	-1.6E+07	12786895
114	70543.16	-75.3682	37.75838	4198406	-1.6E+07	12786883
114.2	70818.77	-75.3673	37.75775	4198750	-1.6E+07	12786870
114.4	71094.84	-75.3664	37.75712	4199095	-1.6E+07	12786857
114.6	71371.37	-75.3655	37.75648	4199442	-1.6E+07	12786843
114.8	71648.36	-75.3646	37.75585	4199791	-1.6E+07	12786828
115	71925.82	-75.3637	37.7552	4200142	-1.6E+07	12786812
115.2	72203.74	-75.3628	37.75456	4200494	-1.6E+07	12786796
115.4	72482.11	-75.3618	37.75391	4200848	-1.6E+07	12786779
115.6	72760.95	-75.3609	37.75325	4201204	-1.6E+07	12786761
115.8	73040.26	-75.3599	37.7526	4201562	-1.6E+07	12786742
116	73320.04	-75.359	37.75194	4201921	-1.6E+07	12786722
116.2	73600.29	-75.358	37.75127	4202283	-1.6E+07	12786702
116.4	73881	-75.3571	37.7506	4202646	-1.6E+07	12786681
116.6	74162.17	-75.3561	37.74993	4203011	-1.6E+07	12786659
116.8	74443.83	-75.3551	37.74926	4203378	-1.6E+07	12786636
117	74725.95	-75.3542	37.74858	4203746	-1.6E+07	12786612
117.2	75008.55	-75.3532	37.74789	4204116	-1.6E+07	12786588
117.4	75291.62	-75.3522	37.74721	4204489	-1.6E+07	12786563
117.6	75575.16	-75.3512	37.74652	4204863	-1.6E+07	12786536
117.8	75859.17	-75.3502	37.74582	4205238	-1.6E+07	12786510
118	76143.67	-75.3492	37.74512	4205616	-1.6E+07	12786482
118.2	76428.63	-75.3482	37.74442	4205996	-1.6E+07	12786453
118.4	76714.07	-75.3472	37.74371	4206377	-1.6E+07	12786424
118.6	76999.99	-75.3462	37.743	4206760	-1.6E+07	12786394
118.8	77286.39	-75.3452	37.74229	4207145	-1.6E+07	12786363
119	77573.27	-75.3441	37.74157	4207532	-1.6E+07	12786331
119.2	77860.63	-75.3431	37.74085	4207921	-1.6E+07	12786298

119.4	78148.46	-75.3421	37.74013	4208311	-1.6E+07	12786265
119.6	78436.77	-75.341	37.7394	4208703	-1.6E+07	12786231
119.8	78725.58	-75.34	37.73866	4209098	-1.6E+07	12786195
120	79014.87	-75.3389	37.73793	4209494	-1.6E+07	12786159
120.2	79304.64	-75.3378	37.73719	4209892	-1.6E+07	12786123
120.4	79594.89	-75.3368	37.73644	4210292	-1.6E+07	12786085
120.6	79885.63	-75.3357	37.73569	4210694	-1.6E+07	12786046
120.8	80176.86	-75.3346	37.73494	4211097	-1.6E+07	12786007
121	80468.57	-75.3335	37.73418	4211503	-1.6E+07	12785967
121.2	80760.77	-75.3324	37.73342	4211910	-1.6E+07	12785926
121.4	81053.45	-75.3314	37.73266	4212320	-1.6E+07	12785884
121.6	81346.61	-75.3303	37.73189	4212731	-1.6E+07	12785841
121.8	81640.26	-75.3291	37.73112	4213144	-1.6E+07	12785797
122	81934.39	-75.328	37.73034	4213559	-1.6E+07	12785753
122.2	82229	-75.3269	37.72956	4213976	-1.6E+07	12785707
122.4	82524.09	-75.3258	37.72877	4214395	-1.6E+07	12785661
122.6	82819.66	-75.3247	37.72799	4214816	-1.6E+07	12785614
122.8	83115.71	-75.3235	37.72719	4215239	-1.6E+07	12785566
123	83412.24	-75.3224	37.7264	4215664	-1.6E+07	12785517
123.2	83709.26	-75.3212	37.7256	4216091	-1.6E+07	12785467
123.4	84006.75	-75.3201	37.72479	4216519	-1.6E+07	12785416
123.6	84304.72	-75.3189	37.72398	4216950	-1.6E+07	12785365
123.8	84603.18	-75.3178	37.72317	4217383	-1.6E+07	12785312
124	84902.12	-75.3166	37.72235	4217817	-1.6E+07	12785259
124.2	85201.55	-75.3154	37.72153	4218254	-1.6E+07	12785204
124.4	85501.45	-75.3143	37.7207	4218692	-1.6E+07	12785149
124.6	85801.84	-75.3131	37.71987	4219133	-1.6E+07	12785093
124.8	86102.72	-75.3119	37.71904	4219575	-1.6E+07	12785036
125	86404.08	-75.3107	37.7182	4220020	-1.6E+07	12784978
125.2	86705.93	-75.3095	37.71736	4220466	-1.6E+07	12784919
125.4	87008.27	-75.3083	37.71651	4220915	-1.6E+07	12784859
125.6	87311.09	-75.3071	37.71566	4221365	-1.6E+07	12784798
125.8	87614.4	-75.3058	37.71481	4221818	-1.6E+07	12784736
126	87918.21	-75.3046	37.71395	4222272	-1.6E+07	12784674
126.2	88222.5	-75.3034	37.71309	4222728	-1.6E+07	12784610
126.4	88527.28	-75.3021	37.71222	4223187	-1.6E+07	12784546
126.6	88832.56	-75.3009	37.71135	4223647	-1.6E+07	12784480
126.8	89138.33	-75.2996	37.71047	4224110	-1.6E+07	12784414
127	89444.6	-75.2984	37.70959	4224575	-1.6E+07	12784347
127.2	89751.36	-75.2971	37.70871	4225041	-1.6E+07	12784278
127.4	90058.61	-75.2958	37.70782	4225510	-1.6E+07	12784209
127.6	90366.36	-75.2946	37.70693	4225980	-1.6E+07	12784139
127.8	90674.61	-75.2933	37.70603	4226453	-1.6E+07	12784068
128	90983.36	-75.292	37.70513	4226928	-1.6E+07	12783996
128.2	91292.61	-75.2907	37.70422	4227405	-1.6E+07	12783923
128.4	91602.35	-75.2894	37.70331	4227884	-1.6E+07	12783849
128.6	91912.6	-75.2881	37.7024	4228365	-1.6E+07	12783774

128.8	92223.35	-75.2868	37.70148	4228848	-1.6E+07	12783698
129	92534.6	-75.2855	37.70055	4229333	-1.6E+07	12783621
129.2	92846.34	-75.2842	37.69963	4229820	-1.6E+07	12783543
129.4	93158.57	-75.2828	37.69869	4230309	-1.6E+07	12783465
129.6	93471.31	-75.2815	37.69776	4230801	-1.6E+07	12783385
129.8	93784.54	-75.2802	37.69682	4231294	-1.6E+07	12783304
130	94098.25	-75.2788	37.69587	4231790	-1.6E+07	12783222
130.2	94412.46	-75.2775	37.69492	4232288	-1.6E+07	12783139
130.4	94727.15	-75.2761	37.69397	4232787	-1.6E+07	12783056
130.6	95042.34	-75.2747	37.69301	4233289	-1.6E+07	12782971
130.8	95358.01	-75.2734	37.69204	4233793	-1.6E+07	12782885
131	95674.17	-75.272	37.69108	4234300	-1.6E+07	12782798
131.2	95990.8	-75.2706	37.6901	4234808	-1.6E+07	12782710
131.4	96307.92	-75.2692	37.68913	4235318	-1.6E+07	12782621
131.6	96625.53	-75.2678	37.68815	4235831	-1.6E+07	12782531
131.8	96943.61	-75.2664	37.68716	4236346	-1.6E+07	12782440
132	97262.17	-75.265	37.68617	4236863	-1.6E+07	12782348
132.2	97581.2	-75.2636	37.68517	4237382	-1.6E+07	12782255
132.4	97900.71	-75.2622	37.68418	4237903	-1.6E+07	12782161
132.6	98220.7	-75.2607	37.68317	4238426	-1.6E+07	12782066
132.8	98541.17	-75.2593	37.68216	4238952	-1.6E+07	12781970
133	98862.1	-75.2578	37.68115	4239480	-1.6E+07	12781873
133.2	99183.5	-75.2564	37.68013	4240010	-1.6E+07	12781774
133.4	99505.37	-75.2549	37.67911	4240542	-1.6E+07	12781675
133.6	99827.72	-75.2535	37.67808	4241076	-1.6E+07	12781574
133.8	100150.5	-75.252	37.67705	4241613	-1.6E+07	12781473
134	100473.8	-75.2505	37.67601	4242152	-1.6E+07	12781370
134.2	100797.6	-75.2491	37.67497	4242693	-1.6E+07	12781266
134.4	101121.8	-75.2476	37.67392	4243236	-1.6E+07	12781162
134.6	101446.5	-75.2461	37.67287	4243781	-1.6E+07	12781056
134.8	101771.6	-75.2446	37.67182	4244329	-1.6E+07	12780949
135	102097.2	-75.2431	37.67076	4244879	-1.6E+07	12780840
135.2	102423.3	-75.2416	37.66969	4245431	-1.6E+07	12780731
135.4	102749.8	-75.24	37.66862	4245985	-1.6E+07	12780621
135.6	103076.8	-75.2385	37.66755	4246542	-1.6E+07	12780509
135.8	103404.3	-75.237	37.66647	4247101	-1.6E+07	12780397
136	103732.2	-75.2354	37.66538	4247662	-1.6E+07	12780283
136.2	104060.6	-75.2339	37.66429	4248226	-1.6E+07	12780168
136.4	104389.4	-75.2323	37.6632	4248791	-1.6E+07	12780052
136.6	104718.7	-75.2308	37.6621	4249359	-1.6E+07	12779935
136.8	105048.5	-75.2292	37.661	4249930	-1.6E+07	12779816
137	105378.7	-75.2276	37.65989	4250502	-1.6E+07	12779697
137.2	105709.4	-75.2261	37.65877	4251077	-1.6E+07	12779576
137.4	106040.6	-75.2245	37.65766	4251654	-1.6E+07	12779455
137.6	106372.2	-75.2229	37.65653	4252234	-1.6E+07	12779332
137.8	106704.3	-75.2213	37.6554	4252815	-1.6E+07	12779208
138	107036.8	-75.2197	37.65427	4253399	-1.6E+07	12779082

138.2	107369.8	-75.218	37.65313	4253986	-1.6E+07	12778956
138.4	107703.2	-75.2164	37.65199	4254574	-1.6E+07	12778828
138.6	108037.1	-75.2148	37.65084	4255166	-1.6E+07	12778700
138.8	108371.5	-75.2132	37.64969	4255759	-1.6E+07	12778570
139	108706.3	-75.2115	37.64853	4256355	-1.6E+07	12778439
139.2	109041.6	-75.2099	37.64737	4256953	-1.6E+07	12778306
139.4	109377.3	-75.2082	37.6462	4257553	-1.6E+07	12778173
139.6	109713.5	-75.2066	37.64503	4258156	-1.6E+07	12778038
139.8	110050.1	-75.2049	37.64385	4258761	-1.6E+07	12777902
140	110387.2	-75.2032	37.64266	4259369	-1.6E+07	12777765
140.2	110724.8	-75.2015	37.64148	4259979	-1.6E+07	12777627
140.4	111062.8	-75.1998	37.64028	4260591	-1.6E+07	12777487
140.6	111401.2	-75.1981	37.63908	4261205	-1.6E+07	12777346
140.8	111740.1	-75.1964	37.63788	4261823	-1.6E+07	12777205
141	112079.5	-75.1947	37.63667	4262442	-1.6E+07	12777061
141.2	112419.3	-75.193	37.63546	4263064	-1.6E+07	12776917
141.4	112759.6	-75.1913	37.63424	4263688	-1.6E+07	12776771
141.6	113100.3	-75.1895	37.63301	4264315	-1.6E+07	12776624
141.8	113441.5	-75.1878	37.63178	4264944	-1.6E+07	12776476
142	113783.1	-75.1861	37.63055	4265575	-1.6E+07	12776327
142.2	114125.2	-75.1843	37.62931	4266209	-1.6E+07	12776176
142.4	114467.7	-75.1825	37.62806	4266846	-1.6E+07	12776024
142.6	114810.7	-75.1808	37.62681	4267485	-1.6E+07	12775871
142.8	115154.1	-75.179	37.62556	4268126	-1.6E+07	12775717
143	115498	-75.1772	37.6243	4268769	-1.6E+07	12775561
143.2	115842.3	-75.1754	37.62303	4269416	-1.6E+07	12775404
143.4	116187.1	-75.1736	37.62176	4270064	-1.6E+07	12775246
143.6	116532.4	-75.1718	37.62048	4270715	-1.6E+07	12775086
143.8	116878.1	-75.17	37.6192	4271369	-1.6E+07	12774926
144	117224.2	-75.1682	37.61792	4272025	-1.6E+07	12774764
144.2	117570.9	-75.1664	37.61662	4272683	-1.6E+07	12774600
144.4	117917.9	-75.1645	37.61533	4273344	-1.6E+07	12774436
144.6	118265.4	-75.1627	37.61402	4274008	-1.6E+07	12774270
144.8	118613.4	-75.1608	37.61271	4274674	-1.6E+07	12774103
145	118961.8	-75.159	37.6114	4275343	-1.6E+07	12773934
145.2	119310.7	-75.1571	37.61008	4276014	-1.6E+07	12773764
145.4	119660	-75.1553	37.60876	4276687	-1.6E+07	12773593
145.6	120009.7	-75.1534	37.60743	4277363	-1.6E+07	12773421
145.8	120360	-75.1515	37.60609	4278042	-1.6E+07	12773247
146	120710.6	-75.1496	37.60475	4278723	-1.6E+07	12773072
146.2	121061.8	-75.1477	37.6034	4279407	-1.6E+07	12772896
146.4	121413.3	-75.1458	37.60205	4280093	-1.6E+07	12772718
146.6	121765.3	-75.1439	37.60069	4280782	-1.6E+07	12772539
146.8	122117.8	-75.142	37.59933	4281473	-1.6E+07	12772358
147	122470.7	-75.14	37.59796	4282167	-1.6E+07	12772177
147.2	122824.1	-75.1381	37.59659	4282863	-1.6E+07	12771993
147.4	123177.9	-75.1361	37.59521	4283562	-1.6E+07	12771809

147.6	123532.2	-75.1342	37.59382	4284264	-1.6E+07	12771623
147.8	123886.9	-75.1322	37.59243	4284968	-1.6E+07	12771436
148	124242.1	-75.1303	37.59104	4285675	-1.6E+07	12771247
148.2	124597.7	-75.1283	37.58964	4286384	-1.6E+07	12771057
148.4	124953.8	-75.1263	37.58823	4287096	-1.6E+07	12770866
148.6	125310.3	-75.1243	37.58682	4287811	-1.6E+07	12770674
148.8	125667.3	-75.1223	37.5854	4288528	-1.6E+07	12770480
149	126024.7	-75.1203	37.58397	4289248	-1.6E+07	12770284
149.2	126382.6	-75.1183	37.58254	4289970	-1.6E+07	12770087
149.4	126740.9	-75.1163	37.58111	4290695	-1.6E+07	12769889
149.6	127099.7	-75.1142	37.57967	4291423	-1.6E+07	12769690
149.8	127458.9	-75.1122	37.57822	4292153	-1.6E+07	12769489
150	127818.6	-75.1101	37.57677	4292886	-1.6E+07	12769286
150.2	128178.8	-75.1081	37.57531	4293622	-1.6E+07	12769082
150.4	128539.4	-75.106	37.57385	4294360	-1.6E+07	12768877
150.6	128900.4	-75.104	37.57238	4295101	-1.6E+07	12768671
150.8	129261.9	-75.1019	37.5709	4295845	-1.6E+07	12768463
151	129623.9	-75.0998	37.56942	4296591	-1.6E+07	12768253
151.2	129986.3	-75.0977	37.56793	4297340	-1.6E+07	12768042
151.4	130349.2	-75.0956	37.56644	4298092	-1.6E+07	12767830
151.6	130712.5	-75.0935	37.56494	4298846	-1.6E+07	12767616
151.8	131076.3	-75.0914	37.56344	4299603	-1.6E+07	12767401
152	131440.5	-75.0893	37.56193	4300363	-1.6E+07	12767184
152.2	131805.2	-75.0871	37.56041	4301126	-1.6E+07	12766966
152.4	132170.4	-75.085	37.55889	4301891	-1.6E+07	12766747
152.6	132536	-75.0828	37.55736	4302659	-1.6E+07	12766526
152.8	132902	-75.0807	37.55583	4303429	-1.6E+07	12766304
153	133268.5	-75.0785	37.55429	4304203	-1.6E+07	12766080
153.2	133635.5	-75.0764	37.55274	4304979	-1.6E+07	12765854
153.4	134002.9	-75.0742	37.55119	4305758	-1.6E+07	12765627
153.6	134370.7	-75.072	37.54963	4306539	-1.6E+07	12765399
153.8	134739.1	-75.0698	37.54807	4307324	-1.6E+07	12765169
154	135107.8	-75.0676	37.5465	4308111	-1.6E+07	12764938
154.2	135477.1	-75.0654	37.54493	4308901	-1.6E+07	12764705
154.4	135846.7	-75.0631	37.54334	4309694	-1.6E+07	12764471
154.6	136216.9	-75.0609	37.54176	4310489	-1.6E+07	12764235
154.8	136587.4	-75.0587	37.54016	4311288	-1.6E+07	12763998
155	136958.5	-75.0564	37.53856	4312089	-1.6E+07	12763759
155.2	137330	-75.0542	37.53696	4312893	-1.6E+07	12763519
155.4	137701.9	-75.0519	37.53535	4313699	-1.6E+07	12763277
155.6	138074.3	-75.0497	37.53373	4314509	-1.6E+07	12763034
155.8	138447.2	-75.0474	37.53211	4315321	-1.6E+07	12762789
156	138820.5	-75.0451	37.53048	4316136	-1.6E+07	12762543
156.2	139194.3	-75.0428	37.52884	4316954	-1.6E+07	12762295
156.4	139568.5	-75.0405	37.5272	4317775	-1.6E+07	12762045
156.6	139943.2	-75.0382	37.52555	4318599	-1.6E+07	12761794
156.8	140318.4	-75.0359	37.52389	4319426	-1.6E+07	12761542

157	140694	-75.0335	37.52223	4320255	-1.6E+07	12761288
157.2	141070.1	-75.0312	37.52057	4321087	-1.6E+07	12761032
157.4	141446.6	-75.0288	37.51889	4321923	-1.6E+07	12760775
157.6	141823.6	-75.0265	37.51721	4322761	-1.6E+07	12760516
157.8	142201	-75.0241	37.51553	4323602	-1.6E+07	12760256
158	142578.9	-75.0218	37.51384	4324445	-1.6E+07	12759994
158.2	142957.3	-75.0194	37.51214	4325292	-1.6E+07	12759731
158.4	143336.1	-75.017	37.51043	4326142	-1.6E+07	12759466
158.6	143715.4	-75.0146	37.50872	4326994	-1.6E+07	12759199
158.8	144095.1	-75.0122	37.50701	4327850	-1.6E+07	12758931
159	144475.3	-75.0098	37.50528	4328708	-1.6E+07	12758661
159.2	144856	-75.0074	37.50355	4329569	-1.6E+07	12758390
159.4	145237.1	-75.0049	37.50182	4330434	-1.6E+07	12758117
159.6	145618.7	-75.0025	37.50007	4331301	-1.6E+07	12757842
159.8	146000.7	-75	37.49833	4332171	-1.6E+07	12757566
160	146383.3	-74.9976	37.49657	4333044	-1.6E+07	12757288
160.2	146766.2	-74.9951	37.49481	4333920	-1.6E+07	12757009
160.4	147149.7	-74.9926	37.49304	4334799	-1.6E+07	12756728
160.6	147533.6	-74.9902	37.49127	4335681	-1.6E+07	12756445
160.8	147918	-74.9877	37.48949	4336566	-1.6E+07	12756161
161	148302.8	-74.9852	37.4877	4337454	-1.6E+07	12755875
161.2	148688.2	-74.9827	37.4859	4338345	-1.6E+07	12755587
161.4	149074	-74.9801	37.4841	4339239	-1.6E+07	12755298
161.6	149460.2	-74.9776	37.4823	4340136	-1.6E+07	12755007
161.8	149846.9	-74.9751	37.48048	4341036	-1.6E+07	12754715
162	150234.1	-74.9725	37.47866	4341939	-1.6E+07	12754421
162.2	150621.8	-74.97	37.47684	4342845	-1.6E+07	12754125
162.4	151010	-74.9674	37.475	4343754	-1.6E+07	12753827
162.6	151398.6	-74.9649	37.47316	4344666	-1.6E+07	12753528
162.8	151787.7	-74.9623	37.47132	4345581	-1.6E+07	12753227
163	152177.3	-74.9597	37.46946	4346500	-1.6E+07	12752925
163.2	152567.3	-74.9571	37.4676	4347421	-1.6E+07	12752621
163.4	152957.9	-74.9545	37.46574	4348345	-1.6E+07	12752315
163.6	153348.9	-74.9519	37.46386	4349273	-1.6E+07	12752007
163.8	153740.4	-74.9492	37.46198	4350203	-1.6E+07	12751698
164	154132.4	-74.9466	37.4601	4351137	-1.6E+07	12751387
164.2	154524.8	-74.944	37.4582	4352074	-1.6E+07	12751075
164.4	154917.7	-74.9413	37.4563	4353013	-1.6E+07	12750760
164.6	155311.2	-74.9387	37.4544	4353956	-1.6E+07	12750444
164.8	155705.1	-74.936	37.45248	4354902	-1.6E+07	12750126
165	156099.5	-74.9333	37.45056	4355852	-1.6E+07	12749807
165.2	156494.4	-74.9306	37.44863	4356804	-1.6E+07	12749486
165.4	156889.8	-74.9279	37.4467	4357759	-1.6E+07	12749163
165.6	157285.6	-74.9252	37.44476	4358718	-1.6E+07	12748838
165.8	157682	-74.9225	37.44281	4359680	-1.6E+07	12748512
166	158078.8	-74.9198	37.44086	4360645	-1.6E+07	12748184
166.2	158476.2	-74.917	37.43889	4361613	-1.6E+07	12747854

166.4	158874	-74.9143	37.43693	4362584	-1.6E+07	12747522
166.6	159272.4	-74.9116	37.43495	4363558	-1.6E+07	12747189
166.8	159671.2	-74.9088	37.43297	4364536	-1.6E+07	12746854
167	160070.6	-74.906	37.43098	4365517	-1.6E+07	12746517
167.2	160470.4	-74.9032	37.42898	4366501	-1.6E+07	12746178
167.4	160870.7	-74.9005	37.42698	4367488	-1.6E+07	12745838
167.6	161271.6	-74.8977	37.42497	4368479	-1.6E+07	12745496
167.8	161672.9	-74.8948	37.42295	4369472	-1.6E+07	12745152
168	162074.8	-74.892	37.42093	4370469	-1.6E+07	12744806
168.2	162477.1	-74.8892	37.4189	4371469	-1.6E+07	12744459
168.4	162880	-74.8864	37.41686	4372473	-1.6E+07	12744109
168.6	163283.4	-74.8835	37.41481	4373479	-1.6E+07	12743758
168.8	163687.2	-74.8807	37.41276	4374489	-1.6E+07	12743405
169	164091.6	-74.8778	37.4107	4375503	-1.6E+07	12743051
169.2	164496.5	-74.8749	37.40863	4376519	-1.6E+07	12742694
169.4	164902	-74.872	37.40656	4377539	-1.6E+07	12742336
169.6	165307.9	-74.8691	37.40448	4378562	-1.6E+07	12741976
169.8	165714.3	-74.8662	37.40239	4379588	-1.6E+07	12741614
170	166121.3	-74.8633	37.40029	4380618	-1.6E+07	12741250
170.2	166528.8	-74.8604	37.39819	4381651	-1.6E+07	12740884
170.4	166936.8	-74.8575	37.39608	4382687	-1.6E+07	12740517
170.6	167345.4	-74.8545	37.39397	4383727	-1.6E+07	12740148
170.8	167754.4	-74.8516	37.39184	4384770	-1.6E+07	12739777
171	168164	-74.8486	37.38971	4385816	-1.6E+07	12739404
171.2	168574.2	-74.8456	37.38757	4386866	-1.6E+07	12739029
171.4	168984.8	-74.8427	37.38542	4387919	-1.6E+07	12738652
171.6	169396	-74.8397	37.38327	4388975	-1.6E+07	12738274
171.8	169807.7	-74.8367	37.38111	4390035	-1.6E+07	12737893
172	170219.9	-74.8337	37.37894	4391098	-1.6E+07	12737511
172.2	170632.7	-74.8306	37.37676	4392165	-1.6E+07	12737127
172.4	171046	-74.8276	37.37458	4393235	-1.6E+07	12736741
172.6	171459.9	-74.8246	37.37239	4394308	-1.6E+07	12736353
172.8	171874.3	-74.8215	37.37019	4395385	-1.6E+07	12735963
173	172289.2	-74.8185	37.36799	4396465	-1.6E+07	12735571
173.2	172704.7	-74.8154	37.36577	4397549	-1.6E+07	12735178
173.4	173120.7	-74.8123	37.36355	4398636	-1.6E+07	12734782
173.6	173537.3	-74.8092	37.36132	4399727	-1.6E+07	12734385
173.8	173954.4	-74.8061	37.35909	4400821	-1.6E+07	12733985
174	174372	-74.803	37.35685	4401918	-1.6E+07	12733584
174.2	174790.2	-74.7999	37.35459	4403019	-1.6E+07	12733181
174.4	175209	-74.7968	37.35234	4404124	-1.6E+07	12732776
174.6	175628.3	-74.7936	37.35007	4405232	-1.6E+07	12732369
174.8	176048.1	-74.7905	37.3478	4406343	-1.6E+07	12731960
175	176468.6	-74.7873	37.34552	4407458	-1.6E+07	12731549
175.2	176889.5	-74.7841	37.34323	4408576	-1.6E+07	12731136
175.4	177311.1	-74.781	37.34093	4409698	-1.6E+07	12730721
175.6	177733.2	-74.7778	37.33863	4410824	-1.6E+07	12730305

175.8	178155.8	-74.7746	37.33631	4411953	-1.6E+07	12729886
176	178579	-74.7714	37.33399	4413086	-1.6E+07	12729465
176.2	179002.8	-74.7681	37.33167	4414222	-1.6E+07	12729042
176.4	179427.1	-74.7649	37.32933	4415362	-1.6E+07	12728618
176.6	179852	-74.7617	37.32699	4416505	-1.6E+07	12728191
176.8	180277.5	-74.7584	37.32464	4417652	-1.6E+07	12727762
177	180703.6	-74.7552	37.32228	4418802	-1.6E+07	12727332
177.2	181130.2	-74.7519	37.31991	4419956	-1.6E+07	12726899
177.4	181557.4	-74.7486	37.31754	4421114	-1.6E+07	12726465
177.6	181985.2	-74.7453	37.31515	4422275	-1.6E+07	12726028
177.8	182413.5	-74.742	37.31276	4423440	-1.6E+07	12725589
178	182842.5	-74.7387	37.31036	4424609	-1.6E+07	12725149
178.2	183272	-74.7354	37.30796	4425781	-1.6E+07	12724706
178.4	183702.1	-74.732	37.30554	4426957	-1.6E+07	12724261
178.6	184132.8	-74.7287	37.30312	4428137	-1.6E+07	12723814
178.8	184564.1	-74.7253	37.30069	4429320	-1.6E+07	12723366
179	184995.9	-74.722	37.29825	4430507	-1.6E+07	12722915
179.2	185428.4	-74.7186	37.29581	4431698	-1.6E+07	12722462
179.4	185861.4	-74.7152	37.29335	4432892	-1.6E+07	12722007
179.6	186295.1	-74.7118	37.29089	4434090	-1.6E+07	12721550
179.8	186729.3	-74.7084	37.28842	4435292	-1.6E+07	12721091
180	187164.2	-74.705	37.28594	4436497	-1.6E+07	12720630
180.05	187273	-74.7041	37.28532	4436799	-1.6E+07	12720514
180.2	187599.6	-74.7015	37.28345	4437706	-1.6E+07	12720166
180.25	187708.6	-74.7007	37.28283	4438009	-1.6E+07	12720050
180.4	188035.7	-74.6981	37.28096	4438919	-1.6E+07	12719701
180.6	188472.3	-74.6946	37.27845	4440136	-1.6E+07	12719234
180.8	188909.6	-74.6912	37.27594	4441356	-1.6E+07	12718764
181	189347.5	-74.6877	37.27342	4442581	-1.6E+07	12718293
181.2	189786	-74.6842	37.27089	4443809	-1.6E+07	12717819
181.4	190225.1	-74.6807	37.26836	4445041	-1.6E+07	12717343
181.6	190664.8	-74.6772	37.26581	4446276	-1.6E+07	12716865
181.8	191105.2	-74.6737	37.26326	4447516	-1.6E+07	12716385
182	191546.1	-74.6701	37.2607	4448759	-1.6E+07	12715903
182.2	191987.7	-74.6666	37.25813	4450006	-1.6E+07	12715419
182.4	192430	-74.663	37.25555	4451257	-1.6E+07	12714932
182.6	192872.8	-74.6595	37.25296	4452512	-1.6E+07	12714444
182.8	193316.3	-74.6559	37.25036	4453770	-1.6E+07	12713953
183	193760.4	-74.6523	37.24776	4455033	-1.6E+07	12713460
183.2	194205.2	-74.6487	37.24515	4456299	-1.6E+07	12712965
183.4	194650.6	-74.6451	37.24253	4457569	-1.6E+07	12712468
183.6	195096.6	-74.6415	37.2399	4458844	-1.6E+07	12711969
183.8	195543.3	-74.6379	37.23726	4460122	-1.6E+07	12711467
184	195990.7	-74.6342	37.23461	4461404	-1.6E+07	12710963
184.2	196438.7	-74.6306	37.23196	4462690	-1.6E+07	12710458
184.4	196887.3	-74.6269	37.2293	4463980	-1.6E+07	12709950
184.6	197336.6	-74.6232	37.22662	4465273	-1.6E+07	12709439

184.8	197786.6	-74.6196	37.22394	4466571	-1.6E+07	12708927
185	198237.2	-74.6159	37.22125	4467873	-1.6E+07	12708412
185.2	198688.5	-74.6121	37.21855	4469179	-1.6E+07	12707895
185.4	199140.4	-74.6084	37.21585	4470489	-1.6E+07	12707376
185.6	199593.1	-74.6047	37.21313	4471802	-1.6E+07	12706855
185.8	200046.4	-74.601	37.21041	4473120	-1.6E+07	12706331
186	200500.3	-74.5972	37.20767	4474442	-1.6E+07	12705805
186.2	200955	-74.5934	37.20493	4475768	-1.6E+07	12705277
186.4	201410.3	-74.5897	37.20218	4477097	-1.6E+07	12704747
186.6	201866.4	-74.5859	37.19942	4478431	-1.6E+07	12704215
186.8	202323.1	-74.5821	37.19665	4479769	-1.6E+07	12703680
187	202780.5	-74.5782	37.19387	4481111	-1.6E+07	12703143
187.2	203238.6	-74.5744	37.19109	4482458	-1.6E+07	12702604
187.4	203697.3	-74.5706	37.18829	4483808	-1.6E+07	12702062
187.6	204156.8	-74.5667	37.18548	4485162	-1.6E+07	12701518
187.8	204617	-74.5629	37.18267	4486521	-1.6E+07	12700972
188	205077.9	-74.559	37.17985	4487883	-1.6E+07	12700424
188.2	205539.5	-74.5551	37.17702	4489250	-1.6E+07	12699873
188.4	206001.8	-74.5512	37.17417	4490621	-1.6E+07	12699320
188.6	206464.9	-74.5473	37.17132	4491996	-1.6E+07	12698764
188.8	206928.6	-74.5434	37.16846	4493375	-1.6E+07	12698207
189	207393.1	-74.5395	37.1656	4494759	-1.6E+07	12697647
189.2	207858.3	-74.5355	37.16272	4496146	-1.6E+07	12697085
189.4	208324.2	-74.5316	37.15983	4497538	-1.6E+07	12696520
189.6	208790.9	-74.5276	37.15694	4498934	-1.6E+07	12695953
189.8	209258.3	-74.5236	37.15403	4500334	-1.6E+07	12695384
190	209726.4	-74.5196	37.15111	4501739	-1.6E+07	12694812
190.05	209843.6	-74.5186	37.15038	4502091	-1.6E+07	12694669
190.2	210195.3	-74.5156	37.14819	4503148	-1.6E+07	12694238
190.25	210312.7	-74.5146	37.14746	4503500	-1.6E+07	12694094
190.4	210665	-74.5116	37.14526	4504561	-1.6E+07	12693662
190.6	211135.3	-74.5076	37.14231	4505978	-1.6E+07	12693083
190.8	211606.5	-74.5036	37.13936	4507400	-1.6E+07	12692502
191	212078.4	-74.4995	37.1364	4508825	-1.6E+07	12691918
191.2	212551	-74.4954	37.13343	4510256	-1.6E+07	12691332
191.4	213024.4	-74.4914	37.13045	4511690	-1.6E+07	12690744
191.6	213498.6	-74.4873	37.12746	4513129	-1.6E+07	12690153
191.8	213973.6	-74.4832	37.12446	4514572	-1.6E+07	12689560
192	214449.3	-74.4791	37.12145	4516020	-1.6E+07	12688965
192.2	214925.8	-74.4749	37.11843	4517472	-1.6E+07	12688367
192.4	215403.1	-74.4708	37.1154	4518928	-1.6E+07	12687767
192.6	215881.2	-74.4666	37.11236	4520389	-1.6E+07	12687164
192.8	216360	-74.4625	37.10932	4521854	-1.6E+07	12686559
193	216839.7	-74.4583	37.10626	4523324	-1.6E+07	12685951
193.2	217320.1	-74.4541	37.10319	4524798	-1.6E+07	12685341
193.4	217801.4	-74.4499	37.10011	4526276	-1.6E+07	12684728
193.6	218283.5	-74.4457	37.09703	4527759	-1.6E+07	12684113

193.8	218766.4	-74.4415	37.09393	4529247	-1.6E+07	12683496
194	219250	-74.4372	37.09083	4530739	-1.6E+07	12682876
194.2	219734.6	-74.433	37.08771	4532235	-1.6E+07	12682253
194.4	220219.9	-74.4287	37.08458	4533736	-1.6E+07	12681629
194.6	220706.1	-74.4244	37.08145	4535241	-1.6E+07	12681001
194.8	221193	-74.4202	37.0783	4536751	-1.6E+07	12680371
195	221680.9	-74.4159	37.07515	4538266	-1.6E+07	12679739
195.2	222169.5	-74.4115	37.07198	4539785	-1.6E+07	12679104
195.4	222659	-74.4072	37.0688	4541309	-1.6E+07	12678466
195.6	223149.4	-74.4029	37.06562	4542837	-1.6E+07	12677826
195.8	223640.6	-74.3985	37.06242	4544370	-1.6E+07	12677184
196	224132.7	-74.3941	37.05921	4545907	-1.6E+07	12676539
196.2	224625.6	-74.3898	37.056	4547449	-1.6E+07	12675891
196.4	225119.4	-74.3854	37.05277	4548996	-1.6E+07	12675241
196.6	225614	-74.381	37.04953	4550548	-1.6E+07	12674589
196.8	226109.6	-74.3765	37.04629	4552104	-1.6E+07	12673933
197	226606	-74.3721	37.04303	4553665	-1.6E+07	12673275
197.2	227103.3	-74.3677	37.03976	4555230	-1.6E+07	12672615
197.4	227601.4	-74.3632	37.03648	4556800	-1.6E+07	12671952
197.6	228100.5	-74.3587	37.0332	4558375	-1.6E+07	12671286
197.8	228600.5	-74.3542	37.0299	4559955	-1.6E+07	12670618
198	229101.4	-74.3497	37.02659	4561539	-1.6E+07	12669947
198.2	229603.2	-74.3452	37.02327	4563129	-1.6E+07	12669274
198.4	230105.9	-74.3407	37.01994	4564723	-1.6E+07	12668598
198.6	230609.5	-74.3362	37.0166	4566321	-1.6E+07	12667919
198.8	231114	-74.3316	37.01325	4567925	-1.6E+07	12667238
199	231619.5	-74.327	37.00989	4569533	-1.6E+07	12666554
199.2	232125.9	-74.3225	37.00651	4571147	-1.6E+07	12665867
199.4	232633.2	-74.3179	37.00313	4572765	-1.6E+07	12665178
199.6	233141.5	-74.3133	36.99974	4574388	-1.6E+07	12664486
199.8	233650.7	-74.3086	36.99633	4576016	-1.6E+07	12663792
200	234160.9	-74.304	36.99292	4577649	-1.6E+07	12663094
200.2	234672	-74.2994	36.98949	4579286	-1.6E+07	12662394
200.4	235184.1	-74.2947	36.98605	4580929	-1.6E+07	12661692
200.6	235697.2	-74.29	36.98261	4582577	-1.6E+07	12660986
200.8	236211.2	-74.2853	36.97915	4584229	-1.6E+07	12660278
201	236726.2	-74.2806	36.97568	4585887	-1.6E+07	12659567
201.2	237242.2	-74.2759	36.9722	4587549	-1.6E+07	12658854
201.4	237759.2	-74.2712	36.96871	4589217	-1.6E+07	12658138
201.6	238277.2	-74.2664	36.9652	4590889	-1.6E+07	12657419
201.8	238796.2	-74.2617	36.96169	4592567	-1.6E+07	12656697
202	239316.2	-74.2569	36.95817	4594250	-1.6E+07	12655973
202.2	239837.2	-74.2521	36.95463	4595937	-1.6E+07	12655245
202.4	240359.2	-74.2473	36.95108	4597630	-1.6E+07	12654515
202.6	240882.3	-74.2425	36.94753	4599328	-1.6E+07	12653782
202.8	241406.4	-74.2376	36.94396	4601031	-1.6E+07	12653047
203	241931.5	-74.2328	36.94038	4602739	-1.6E+07	12652309

203.2	242457.7	-74.2279	36.93679	4604453	-1.6E+07	12651567
203.4	242984.9	-74.2231	36.93318	4606171	-1.6E+07	12650823
203.6	243513.1	-74.2182	36.92957	4607895	-1.6E+07	12650077
203.8	244042.5	-74.2133	36.92594	4609624	-1.6E+07	12649327
204	244572.9	-74.2083	36.92231	4611358	-1.6E+07	12648575
204.2	245104.3	-74.2034	36.91866	4613098	-1.6E+07	12647819
204.4	245636.8	-74.1985	36.915	4614842	-1.6E+07	12647061
204.6	246170.5	-74.1935	36.91132	4616592	-1.6E+07	12646300
204.8	246705.2	-74.1885	36.90764	4618347	-1.6E+07	12645536
205	247241	-74.1835	36.90395	4620108	-1.6E+07	12644770
205.2	247777.9	-74.1785	36.90024	4621874	-1.6E+07	12644000
205.4	248315.9	-74.1735	36.89652	4623645	-1.6E+07	12643228
205.6	248855.1	-74.1685	36.89279	4625421	-1.6E+07	12642452
205.8	249395.3	-74.1634	36.88905	4627203	-1.6E+07	12641674
206	249936.7	-74.1583	36.8853	4628991	-1.6E+07	12640893
206.2	250479.2	-74.1533	36.88153	4630783	-1.6E+07	12640109
206.4	251022.9	-74.1482	36.87775	4632581	-1.6E+07	12639321
206.6	251567.7	-74.1431	36.87396	4634385	-1.6E+07	12638531
206.8	252113.6	-74.1379	36.87016	4636194	-1.6E+07	12637739
207	252660.7	-74.1328	36.86635	4638008	-1.6E+07	12636943
207.2	253208.9	-74.1276	36.86253	4639828	-1.6E+07	12636144
207.4	253758.3	-74.1225	36.85869	4641653	-1.6E+07	12635342
207.6	254308.8	-74.1173	36.85484	4643484	-1.6E+07	12634538
207.8	254860.4	-74.1121	36.85098	4645320	-1.6E+07	12633730
208	255413.2	-74.1069	36.84711	4647162	-1.6E+07	12632919
208.2	255967	-74.1016	36.84322	4649008	-1.6E+07	12632106
208.4	256522.1	-74.0964	36.83933	4650861	-1.6E+07	12631290
208.6	257078.2	-74.0911	36.83542	4652718	-1.6E+07	12630470
208.8	257635.5	-74.0858	36.8315	4654581	-1.6E+07	12629648
209	258193.9	-74.0805	36.82757	4656450	-1.6E+07	12628823
209.2	258753.5	-74.0752	36.82362	4658324	-1.6E+07	12627995
209.4	259314.1	-74.0699	36.81967	4660203	-1.6E+07	12627164
209.6	259875.9	-74.0646	36.8157	4662088	-1.6E+07	12626329
209.8	260438.8	-74.0592	36.81172	4663978	-1.6E+07	12625493
210	261002.9	-74.0539	36.80773	4665873	-1.6E+07	12624653
210.2	261568	-74.0485	36.80373	4667774	-1.6E+07	12623810
210.4	262134.3	-74.0431	36.79971	4669680	-1.6E+07	12622964
210.6	262701.7	-74.0377	36.79569	4671591	-1.6E+07	12622115
210.8	263270.2	-74.0323	36.79165	4673508	-1.6E+07	12621264
211	263839.9	-74.0268	36.7876	4675430	-1.6E+07	12620409
211.2	264410.6	-74.0214	36.78354	4677358	-1.6E+07	12619551
211.4	264982.5	-74.0159	36.77946	4679291	-1.6E+07	12618691
211.6	265555.4	-74.0104	36.77538	4681229	-1.6E+07	12617827
211.8	266129.4	-74.0049	36.77128	4683173	-1.6E+07	12616961
212	266704.5	-73.9994	36.76717	4685121	-1.6E+07	12616091
212.2	267280.7	-73.9939	36.76305	4687076	-1.6E+07	12615219
212.4	267857.9	-73.9883	36.75892	4689035	-1.6E+07	12614344

212.6	268436.2	-73.9828	36.75478	4691000	-1.6E+07	12613465
212.8	269015.4	-73.9772	36.75062	4692970	-1.6E+07	12612584
213	269595.7	-73.9716	36.74645	4694946	-1.6E+07	12611700
213.2	270177	-73.966	36.74227	4696927	-1.6E+07	12610812
213.4	270759.2	-73.9604	36.73808	4698913	-1.6E+07	12609922
213.6	271342.3	-73.9548	36.73388	4700905	-1.6E+07	12609028
213.8	271926.4	-73.9491	36.72966	4702901	-1.6E+07	12608132
214	272511.4	-73.9435	36.72544	4704903	-1.6E+07	12607232
214.2	273097.3	-73.9378	36.7212	4706911	-1.6E+07	12606329
214.4	273684.1	-73.9321	36.71695	4708923	-1.6E+07	12605424
214.6	274271.7	-73.9264	36.71269	4710941	-1.6E+07	12604515
214.8	274860.2	-73.9207	36.70841	4712964	-1.6E+07	12603603
215	275449.4	-73.915	36.70413	4714993	-1.6E+07	12602687
215.2	276039.4	-73.9092	36.69983	4717027	-1.6E+07	12601769
215.4	276630.2	-73.9034	36.69552	4719065	-1.6E+07	12600848
215.6	277221.8	-73.8977	36.6912	4721110	-1.6E+07	12599923
215.8	277814	-73.8919	36.68687	4723159	-1.6E+07	12598995
216	278407	-73.8861	36.68252	4725214	-1.6E+07	12598064
216.2	279000.6	-73.8803	36.67817	4727273	-1.6E+07	12597130
216.4	279595	-73.8744	36.6738	4729339	-1.6E+07	12596192
216.6	280189.9	-73.8686	36.66942	4731409	-1.6E+07	12595252
216.8	280785.5	-73.8627	36.66503	4733484	-1.6E+07	12594308
217	281381.8	-73.8568	36.66063	4735565	-1.6E+07	12593360
217.2	281978.7	-73.8509	36.65621	4737651	-1.6E+07	12592410
217.4	282576.2	-73.845	36.65178	4739742	-1.6E+07	12591456
217.6	283174.3	-73.8391	36.64735	4741838	-1.6E+07	12590499
217.8	283772.9	-73.8332	36.6429	4743939	-1.6E+07	12589539
218	284372.2	-73.8272	36.63844	4746046	-1.6E+07	12588576
218.2	284972.1	-73.8213	36.63396	4748157	-1.6E+07	12587609
218.4	285572.5	-73.8153	36.62948	4750274	-1.6E+07	12586639
218.6	286173.5	-73.8093	36.62498	4752396	-1.6E+07	12585666
218.8	286775.1	-73.8033	36.62047	4754523	-1.6E+07	12584689
219	287377.2	-73.7973	36.61595	4756655	-1.6E+07	12583709
219.2	287979.9	-73.7912	36.61142	4758792	-1.6E+07	12582726
219.4	288583.2	-73.7852	36.60688	4760935	-1.6E+07	12581740
219.6	289187	-73.7791	36.60232	4763082	-1.6E+07	12580751
219.8	289791.3	-73.7731	36.59776	4765235	-1.6E+07	12579758
220	290396.2	-73.767	36.59318	4767392	-1.6E+07	12578762
220.2	291001.6	-73.7609	36.58859	4769555	-1.6E+07	12577763
220.4	291607.6	-73.7547	36.58399	4771723	-1.6E+07	12576760
220.6	292214	-73.7486	36.57938	4773895	-1.6E+07	12575754
220.8	292821.1	-73.7425	36.57476	4776073	-1.6E+07	12574745
221	293428.6	-73.7363	36.57012	4778256	-1.6E+07	12573733
221.2	294036.7	-73.7301	36.56547	4780444	-1.6E+07	12572718
221.4	294645.3	-73.724	36.56082	4782636	-1.6E+07	12571699
221.6	295254.4	-73.7178	36.55615	4784834	-1.6E+07	12570677
221.8	295864	-73.7115	36.55147	4787037	-1.6E+07	12569652

222	296474.2	-73.7053	36.54678	4789245	-1.6E+07	12568623
222.2	297084.9	-73.6991	36.54207	4791458	-1.6E+07	12567592
222.4	297696	-73.6928	36.53736	4793675	-1.6E+07	12566557
222.6	298307.7	-73.6865	36.53263	4795898	-1.6E+07	12565519
222.8	298919.9	-73.6803	36.52789	4798125	-1.6E+07	12564478
223	299532.6	-73.674	36.52315	4800358	-1.6E+07	12563433
223.2	300145.8	-73.6677	36.51839	4802595	-1.6E+07	12562385
223.4	300759.5	-73.6613	36.51362	4804838	-1.6E+07	12561335
223.6	301373.7	-73.655	36.50883	4807085	-1.6E+07	12560281
223.8	301988.3	-73.6486	36.50404	4809337	-1.6E+07	12559223
224	302603.5	-73.6423	36.49924	4811594	-1.6E+07	12558163
224.2	303219.1	-73.6359	36.49442	4813856	-1.6E+07	12557099
224.4	303835.3	-73.6295	36.48959	4816122	-1.6E+07	12556032
224.6	304451.9	-73.6231	36.48476	4818394	-1.6E+07	12554962
224.8	305068.9	-73.6167	36.47991	4820670	-1.6E+07	12553889
225	305686.5	-73.6103	36.47505	4822951	-1.6E+07	12552813
225.2	306304.5	-73.6038	36.47018	4825237	-1.6E+07	12551733
225.4	306922.9	-73.5974	36.4653	4827527	-1.6E+07	12550651
225.6	307541.9	-73.5909	36.4604	4829823	-1.6E+07	12549565
225.8	308161.3	-73.5844	36.4555	4832123	-1.6E+07	12548476
226	308781.1	-73.5779	36.45058	4834428	-1.6E+07	12547384
226.2	309401.4	-73.5714	36.44566	4836738	-1.6E+07	12546288
226.4	310022.2	-73.5649	36.44072	4839052	-1.6E+07	12545190
226.6	310643.3	-73.5584	36.43578	4841371	-1.6E+07	12544088
226.8	311265	-73.5518	36.43082	4843695	-1.6E+07	12542983
227	311887	-73.5453	36.42585	4846023	-1.6E+07	12541876
227.2	312509.5	-73.5387	36.42087	4848356	-1.6E+07	12540765
227.4	313132.5	-73.5321	36.41588	4850694	-1.6E+07	12539650
227.6	313755.8	-73.5255	36.41088	4853036	-1.6E+07	12538533
227.8	314379.6	-73.5189	36.40587	4855383	-1.6E+07	12537413
228	315003.8	-73.5123	36.40084	4857734	-1.6E+07	12536289
228.2	315628.4	-73.5057	36.39581	4860091	-1.6E+07	12535163
228.4	316253.4	-73.499	36.39077	4862451	-1.6E+07	12534033
228.6	316878.8	-73.4924	36.38571	4864816	-1.6E+07	12532901
228.8	317504.7	-73.4857	36.38065	4867186	-1.6E+07	12531765
229	318130.9	-73.479	36.37557	4869560	-1.6E+07	12530626
229.2	318757.5	-73.4723	36.37049	4871939	-1.6E+07	12529484
229.4	319384.6	-73.4656	36.36539	4874323	-1.6E+07	12528339
229.6	320012	-73.4589	36.36028	4876710	-1.6E+07	12527191
229.8	320639.7	-73.4522	36.35517	4879103	-1.6E+07	12526040
230	321267.9	-73.4454	36.35004	4881499	-1.6E+07	12524885
230.2	321896.5	-73.4387	36.3449	4883900	-1.6E+07	12523728
230.4	322525.4	-73.4319	36.33975	4886306	-1.6E+07	12522568
230.6	323154.7	-73.4251	36.33459	4888716	-1.6E+07	12521405
230.8	323784.4	-73.4183	36.32943	4891130	-1.6E+07	12520238
231	324414.5	-73.4115	36.32425	4893549	-1.6E+07	12519069
231.2	325044.9	-73.4047	36.31906	4895972	-1.6E+07	12517896

231.4	325675.8	-73.3979	36.31386	4898400	-1.6E+07	12516721
231.6	326307	-73.391	36.30865	4900833	-1.6E+07	12515542
231.8	326938.6	-73.3842	36.30342	4903269	-1.6E+07	12514360
232	327570.6	-73.3773	36.29819	4905711	-1.6E+07	12513175
232.2	328203.1	-73.3705	36.29295	4908157	-1.6E+07	12511987
232.4	328835.9	-73.3636	36.2877	4910607	-1.6E+07	12510796
232.6	329469.2	-73.3567	36.28243	4913062	-1.6E+07	12509601
232.8	330103	-73.3498	36.27716	4915522	-1.6E+07	12508404
233	330737.3	-73.3428	36.27187	4917986	-1.6E+07	12507204
233.2	331372.1	-73.3359	36.26658	4920455	-1.6E+07	12506000
233.4	332007.5	-73.3289	36.26127	4922928	-1.6E+07	12504794
233.6	332643.5	-73.322	36.25595	4925406	-1.6E+07	12503584
233.8	333280.1	-73.315	36.25063	4927889	-1.6E+07	12502371
234	333917.4	-73.308	36.24529	4930377	-1.6E+07	12501156
234.2	334555.4	-73.301	36.23994	4932869	-1.6E+07	12499937
234.4	335194	-73.294	36.23458	4935366	-1.6E+07	12498716
234.55	335673.5	-73.2887	36.23055	4937242	-1.6E+07	12497798
234.6	335833.4	-73.287	36.22921	4937868	-1.6E+07	12497491
234.8	336472.9	-73.28	36.22383	4940372	-1.6E+07	12496265
235	337111.8	-73.2729	36.21846	4942877	-1.6E+07	12495038
235.2	337750.2	-73.2659	36.21308	4945382	-1.6E+07	12493809
235.4	338388	-73.2589	36.20769	4947888	-1.6E+07	12492580
235.6	339025.1	-73.2518	36.20231	4950394	-1.6E+07	12491349
235.8	339661.7	-73.2448	36.19693	4952900	-1.6E+07	12490118
236	340297.6	-73.2378	36.19154	4955406	-1.6E+07	12488885
236.2	340932.8	-73.2307	36.18616	4957912	-1.6E+07	12487652
236.4	341567.4	-73.2237	36.18077	4960419	-1.6E+07	12486418
236.6	342201.3	-73.2167	36.17538	4962925	-1.6E+07	12485183
236.8	342834.5	-73.2097	36.16999	4965432	-1.6E+07	12483947
237	343467	-73.2026	36.1646	4967938	-1.6E+07	12482710
237.2	344098.8	-73.1956	36.15921	4970444	-1.6E+07	12481472
237.4	344729.8	-73.1886	36.15382	4972950	-1.6E+07	12480234
237.6	345360.1	-73.1815	36.14843	4975456	-1.6E+07	12478995
237.8	345989.5	-73.1745	36.14304	4977961	-1.6E+07	12477755
238	346618.2	-73.1675	36.13765	4980467	-1.6E+07	12476515
238.2	347246.1	-73.1605	36.13226	4982972	-1.6E+07	12475273
238.4	347873.1	-73.1535	36.12687	4985476	-1.6E+07	12474031
238.55	348342.9	-73.1482	36.12282	4987354	-1.6E+07	12473099
238.6	348499.4	-73.1464	36.12147	4987980	-1.6E+07	12472788
238.8	349124.9	-73.1394	36.11608	4990484	-1.6E+07	12471545
239	349749.6	-73.1324	36.11069	4992988	-1.6E+07	12470301
239.2	350373.4	-73.1254	36.1053	4995491	-1.6E+07	12469056
239.4	350996.5	-73.1184	36.0999	4997994	-1.6E+07	12467810
239.6	351618.8	-73.1114	36.09451	5000497	-1.6E+07	12466564
239.8	352240.3	-73.1044	36.08912	5002999	-1.6E+07	12465316
240	352861	-73.0974	36.08372	5005501	-1.6E+07	12464068
240.2	353480.9	-73.0904	36.07833	5008003	-1.6E+07	12462820

240.35	353945.3	-73.0851	36.07429	5009879	-1.6E+07	12461883
240.4	354100	-73.0834	36.07294	5010504	-1.6E+07	12461570
240.55	354578	-73.078	36.06883	5012412	-1.6E+07	12460623
240.6	354732.5	-73.0763	36.06748	5013037	-1.6E+07	12460311
240.8	355350.2	-73.0693	36.06209	5015538	-1.6E+07	12459060
241	355967.1	-73.0623	36.0567	5018039	-1.6E+07	12457809
241.2	356583.3	-73.0553	36.0513	5020539	-1.6E+07	12456556
241.4	357198.7	-73.0483	36.04591	5023039	-1.6E+07	12455303
241.6	357813.3	-73.0413	36.04051	5025539	-1.6E+07	12454050
241.8	358427.1	-73.0343	36.03512	5028038	-1.6E+07	12452795
242	359040	-73.0273	36.02972	5030537	-1.6E+07	12451540
242.0516	359198.3	-73.0255	36.02833	5031183	-1.6E+07	12451216
242.2	359652.2	-73.0203	36.02432	5033036	-1.6E+07	12450284
242.4	360263.6	-73.0133	36.01893	5035534	-1.6E+07	12449028
242.6	360874.2	-73.0063	36.01353	5038032	-1.6E+07	12447770
242.8	361484	-72.9993	36.00814	5040530	-1.6E+07	12446512
243	362093	-72.9924	36.00274	5043028	-1.6E+07	12445253
243.2	362701.2	-72.9854	35.99734	5045525	-1.6E+07	12443994
243.4	363308.6	-72.9784	35.99195	5048021	-1.6E+07	12442734
243.6	363915.3	-72.9714	35.98655	5050518	-1.6E+07	12441473
243.8	364521.1	-72.9644	35.98115	5053014	-1.6E+07	12440211
244	365126.1	-72.9575	35.97575	5055510	-1.6E+07	12438948
244.2	365730.3	-72.9505	35.97036	5058005	-1.6E+07	12437685
244.4	366333.7	-72.9435	35.96496	5060501	-1.6E+07	12436421
244.6	366936.4	-72.9365	35.95956	5062995	-1.6E+07	12435157
244.8	367538.2	-72.9296	35.95416	5065490	-1.6E+07	12433891
245	368139.2	-72.9226	35.94876	5067984	-1.6E+07	12432625
245.2	368739.5	-72.9156	35.94336	5070478	-1.6E+07	12431358
245.4	369338.9	-72.9087	35.93796	5072972	-1.6E+07	12430091
245.6	369937.6	-72.9017	35.93257	5075465	-1.6E+07	12428823
245.8	370535.4	-72.8947	35.92717	5077958	-1.7E+07	12427554
246	371132.5	-72.8878	35.92177	5080450	-1.7E+07	12426284
246.2	371728.8	-72.8808	35.91637	5082943	-1.7E+07	12425013
246.4	372324.2	-72.8738	35.91097	5085435	-1.7E+07	12423742
246.6	372918.9	-72.8669	35.90557	5087926	-1.7E+07	12422470
246.8	373512.8	-72.8599	35.90017	5090418	-1.7E+07	12421198
247	374105.8	-72.853	35.89477	5092909	-1.7E+07	12419924
247.2	374698.1	-72.846	35.88937	5095399	-1.7E+07	12418650
247.4	375289.6	-72.8391	35.88396	5097890	-1.7E+07	12417375
247.6	375880.3	-72.8321	35.87856	5100380	-1.7E+07	12416100
247.8	376470.2	-72.8252	35.87316	5102869	-1.7E+07	12414823
248	377059.3	-72.8182	35.86776	5105359	-1.7E+07	12413546
248.2	377647.6	-72.8113	35.86236	5107848	-1.7E+07	12412269
248.4	378235.1	-72.8043	35.85696	5110336	-1.7E+07	12410990
248.6	378821.8	-72.7974	35.85155	5112825	-1.7E+07	12409711
248.8	379407.7	-72.7905	35.84615	5115313	-1.7E+07	12408431
249	379992.8	-72.7835	35.84075	5117800	-1.7E+07	12407151

249.2	380577.2	-72.7766	35.83535	5120288	-1.7E+07	12405869
249.4	381160.7	-72.7696	35.82994	5122775	-1.7E+07	12404587
249.6	381743.4	-72.7627	35.82454	5125262	-1.7E+07	12403304
249.8	382325.4	-72.7558	35.81914	5127748	-1.7E+07	12402021
250	382906.5	-72.7488	35.81373	5130234	-1.7E+07	12400736
250.2	383486.9	-72.7419	35.80833	5132720	-1.7E+07	12399451
250.4	384066.4	-72.735	35.80293	5135205	-1.7E+07	12398166
250.6	384645.2	-72.7281	35.79752	5137691	-1.7E+07	12396879
250.8	385223.1	-72.7211	35.79212	5140175	-1.7E+07	12395592
251	385800.3	-72.7142	35.78671	5142660	-1.7E+07	12394304
251.2	386376.6	-72.7073	35.78131	5145144	-1.7E+07	12393016
251.4	386952.2	-72.7004	35.7759	5147628	-1.7E+07	12391726
251.6	387527	-72.6934	35.7705	5150111	-1.7E+07	12390436
251.8	388101	-72.6865	35.76509	5152594	-1.7E+07	12389145
252	388674.2	-72.6796	35.75969	5155077	-1.7E+07	12387854
252.2	389246.6	-72.6727	35.75428	5157560	-1.7E+07	12386562
252.4	389818.1	-72.6658	35.74887	5160042	-1.7E+07	12385269
252.6	390388.9	-72.6589	35.74347	5162524	-1.7E+07	12383975
252.8	390959	-72.6519	35.73806	5165005	-1.7E+07	12382681
253	391528.2	-72.645	35.73265	5167486	-1.7E+07	12381386
253.2	392096.6	-72.6381	35.72725	5169967	-1.7E+07	12380090
253.4	392664.2	-72.6312	35.72184	5172448	-1.7E+07	12378793
253.6	393231	-72.6243	35.71643	5174928	-1.7E+07	12377496
253.8	393797	-72.6174	35.71103	5177408	-1.7E+07	12376198
254	394362.3	-72.6105	35.70562	5179888	-1.7E+07	12374899
254.2	394926.7	-72.6036	35.70021	5182367	-1.7E+07	12373600
254.4	395490.4	-72.5967	35.6948	5184846	-1.7E+07	12372299
254.6	396053.2	-72.5898	35.68939	5187324	-1.7E+07	12370999
254.8	396615.3	-72.5829	35.68398	5189803	-1.7E+07	12369697
255	397176.5	-72.576	35.67858	5192280	-1.7E+07	12368395
255.2	397737	-72.5691	35.67317	5194758	-1.7E+07	12367091
255.4	398296.6	-72.5622	35.66776	5197235	-1.7E+07	12365788
255.6	398855.5	-72.5553	35.66235	5199712	-1.7E+07	12364483
255.8	399413.6	-72.5484	35.65694	5202189	-1.7E+07	12363178
256	399970.9	-72.5416	35.65153	5204665	-1.7E+07	12361872
256.2	400527.4	-72.5347	35.64612	5207141	-1.7E+07	12360565
256.4	401083	-72.5278	35.64071	5209617	-1.7E+07	12359258
256.6	401637.9	-72.5209	35.6353	5212092	-1.7E+07	12357950
256.8	402192	-72.514	35.62989	5214567	-1.7E+07	12356641
257	402745.3	-72.5071	35.62448	5217042	-1.7E+07	12355331
257.2	403297.9	-72.5003	35.61907	5219516	-1.7E+07	12354021
257.4	403849.6	-72.4934	35.61365	5221990	-1.7E+07	12352710
257.6	404400.5	-72.4865	35.60824	5224464	-1.7E+07	12351398
257.8	404950.6	-72.4796	35.60283	5226937	-1.7E+07	12350086
258	405500	-72.4727	35.59742	5229410	-1.7E+07	12348773
258.2	406048.5	-72.4659	35.59201	5231883	-1.7E+07	12347459
258.4	406596.2	-72.459	35.58659	5234355	-1.7E+07	12346144

258.6	407143.2	-72.4521	35.58118	5236827	-1.7E+07	12344829
258.8	407689.3	-72.4453	35.57577	5239299	-1.7E+07	12343513
259	408234.7	-72.4384	35.57036	5241770	-1.7E+07	12342196
259.2	408779.3	-72.4315	35.56494	5244241	-1.7E+07	12340879
259.4	409323	-72.4247	35.55953	5246712	-1.7E+07	12339560
259.6	409866	-72.4178	35.55412	5249182	-1.7E+07	12338241
259.8	410408.2	-72.4109	35.5487	5251652	-1.7E+07	12336922
260	410949.6	-72.4041	35.54329	5254122	-1.7E+07	12335601
260.2	411490.2	-72.3972	35.53787	5256591	-1.7E+07	12334280
260.4	412030	-72.3904	35.53246	5259060	-1.7E+07	12332959
260.6	412569	-72.3835	35.52704	5261529	-1.7E+07	12331636
260.8	413107.2	-72.3767	35.52163	5263997	-1.7E+07	12330313
261	413644.6	-72.3698	35.51621	5266465	-1.7E+07	12328989
261.2	414181.2	-72.363	35.5108	5268933	-1.7E+07	12327664
261.4	414717.1	-72.3561	35.50538	5271400	-1.7E+07	12326339
261.6	415252.1	-72.3493	35.49997	5273867	-1.7E+07	12325013
261.8	415786.3	-72.3424	35.49455	5276334	-1.7E+07	12323686
262	416319.8	-72.3356	35.48914	5278800	-1.7E+07	12322358
262.2	416852.4	-72.3287	35.48372	5281266	-1.7E+07	12321030
262.4	417384.3	-72.3219	35.4783	5283732	-1.7E+07	12319701
262.6	417915.3	-72.315	35.47289	5286197	-1.7E+07	12318371
262.8	418445.6	-72.3082	35.46747	5288663	-1.7E+07	12317041
263	418975.1	-72.3014	35.46205	5291127	-1.7E+07	12315710
263.2	419503.8	-72.2945	35.45663	5293592	-1.7E+07	12314378
263.4	420031.6	-72.2877	35.45122	5296056	-1.7E+07	12313045
263.6	420558.7	-72.2809	35.4458	5298519	-1.7E+07	12311712
263.8	421085	-72.274	35.44038	5300983	-1.7E+07	12310378
264	421610.5	-72.2672	35.43496	5303446	-1.7E+07	12309043
264.2	422135.2	-72.2604	35.42954	5305909	-1.7E+07	12307708
264.4	422659.2	-72.2535	35.42412	5308371	-1.7E+07	12306372
264.6	423182.3	-72.2467	35.4187	5310833	-1.7E+07	12305035
264.8	423704.6	-72.2399	35.41329	5313295	-1.7E+07	12303697
265	424226.1	-72.2331	35.40787	5315756	-1.7E+07	12302359
265.2	424746.9	-72.2262	35.40245	5318217	-1.7E+07	12301020
265.4	425266.8	-72.2194	35.39703	5320678	-1.7E+07	12299680
265.6	425786	-72.2126	35.39161	5323138	-1.7E+07	12298340
265.8	426304.3	-72.2058	35.38619	5325598	-1.7E+07	12296999
266	426821.9	-72.199	35.38076	5328058	-1.7E+07	12295657
266.2	427338.7	-72.1921	35.37534	5330518	-1.7E+07	12294314
266.4	427854.6	-72.1853	35.36992	5332977	-1.7E+07	12292971
266.6	428369.8	-72.1785	35.3645	5335435	-1.7E+07	12291627
266.8	428884.2	-72.1717	35.35908	5337894	-1.7E+07	12290282
267	429397.8	-72.1649	35.35366	5340352	-1.7E+07	12288937
267.2	429910.6	-72.1581	35.34824	5342810	-1.7E+07	12287591
267.4	430422.6	-72.1513	35.34281	5345267	-1.7E+07	12286244
267.6	430933.8	-72.1445	35.33739	5347724	-1.7E+07	12284896
267.8	431444.3	-72.1377	35.33197	5350181	-1.7E+07	12283548

268	431953.9	-72.1309	35.32655	5352637	-1.7E+07	12282199
268.2	432462.7	-72.1241	35.32112	5355093	-1.7E+07	12280849
268.4	432970.8	-72.1173	35.3157	5357549	-1.7E+07	12279499
268.6	433478	-72.1105	35.31028	5360004	-1.7E+07	12278147
268.8	433984.5	-72.1037	35.30485	5362459	-1.7E+07	12276796
269	434490.1	-72.0969	35.29943	5364914	-1.7E+07	12275443
269.2	434995	-72.0901	35.29401	5367369	-1.7E+07	12274090
269.4	435499.1	-72.0833	35.28858	5369823	-1.7E+07	12272736
269.6	436002.4	-72.0765	35.28316	5372276	-1.7E+07	12271381
269.8	436504.8	-72.0697	35.27773	5374730	-1.7E+07	12270026
270	437006.5	-72.0629	35.27231	5377183	-1.7E+07	12268669
270.2	437507.4	-72.0561	35.26688	5379635	-1.7E+07	12267313
270.4	438007.5	-72.0493	35.26146	5382088	-1.7E+07	12265955
270.55	438382.1	-72.0442	35.25739	5383927	-1.7E+07	12264936
270.6	438506.9	-72.0425	35.25603	5384540	-1.7E+07	12264597
270.8	439005.4	-72.0358	35.2506	5386992	-1.7E+07	12263238
271	439503.1	-72.029	35.24518	5389443	-1.7E+07	12261878
271.2	440000.1	-72.0222	35.23975	5391894	-1.7E+07	12260518
271.4	440496.2	-72.0154	35.23432	5394345	-1.7E+07	12259156
271.6	440991.5	-72.0086	35.2289	5396795	-1.7E+07	12257795
271.8	441486.1	-72.0019	35.22347	5399245	-1.7E+07	12256432
272	441979.9	-71.9951	35.21804	5401695	-1.7E+07	12255069
272.2	442472.8	-71.9883	35.21262	5404144	-1.7E+07	12253705
272.4	442965	-71.9815	35.20719	5406593	-1.7E+07	12252340
272.6	443456.4	-71.9748	35.20176	5409042	-1.7E+07	12250975
272.8	443947	-71.968	35.19633	5411490	-1.7E+07	12249609
273	444436.8	-71.9612	35.1909	5413938	-1.7E+07	12248242
273.2	444925.8	-71.9544	35.18547	5416386	-1.7E+07	12246874
273.4	445414	-71.9477	35.18005	5418833	-1.7E+07	12245506
273.6	445901.4	-71.9409	35.17462	5421280	-1.7E+07	12244137
273.8	446388.1	-71.9342	35.16919	5423727	-1.7E+07	12242767
274	446873.9	-71.9274	35.16376	5426173	-1.7E+07	12241397
274.2	447359	-71.9206	35.15833	5428619	-1.7E+07	12240026
274.4	447843.2	-71.9139	35.1529	5431065	-1.7E+07	12238654
274.6	448326.7	-71.9071	35.14747	5433510	-1.7E+07	12237282
274.8	448809.3	-71.9004	35.14204	5435955	-1.7E+07	12235908
275	449291.2	-71.8936	35.13661	5438400	-1.7E+07	12234535
275.2	449772.3	-71.8868	35.13118	5440844	-1.7E+07	12233160
275.4	450252.6	-71.8801	35.12574	5443288	-1.7E+07	12231785
275.6	450732.1	-71.8733	35.12031	5445732	-1.7E+07	12230409
275.8	451210.8	-71.8666	35.11488	5448175	-1.7E+07	12229032
276	451688.7	-71.8598	35.10945	5450618	-1.7E+07	12227654
276.2	452165.8	-71.8531	35.10402	5453061	-1.7E+07	12226276
276.4	452642.1	-71.8463	35.09859	5455503	-1.7E+07	12224897
276.6	453117.7	-71.8396	35.09315	5457945	-1.7E+07	12223518
276.8	453592.4	-71.8329	35.08772	5460386	-1.7E+07	12222137
277	454066.4	-71.8261	35.08229	5462828	-1.7E+07	12220756

277.2	454539.5	-71.8194	35.07685	5465269	-1.7E+07	12219375
277.4	455011.9	-71.8126	35.07142	5467709	-1.7E+07	12217992
277.6	455483.5	-71.8059	35.06599	5470149	-1.7E+07	12216609
277.8	455954.2	-71.7992	35.06055	5472589	-1.7E+07	12215225
278	456424.2	-71.7924	35.05512	5475029	-1.7E+07	12213841
278.2	456893.4	-71.7857	35.04968	5477468	-1.7E+07	12212455
278.4	457361.8	-71.779	35.04425	5479907	-1.7E+07	12211070
278.6	457829.4	-71.7722	35.03881	5482345	-1.7E+07	12209683
278.8	458296.3	-71.7655	35.03338	5484784	-1.7E+07	12208295
279	458762.3	-71.7588	35.02794	5487222	-1.7E+07	12206907
279.2	459227.5	-71.752	35.02251	5489659	-1.7E+07	12205519
279.4	459692	-71.7453	35.01707	5492096	-1.7E+07	12204129
279.6	460155.6	-71.7386	35.01164	5494533	-1.7E+07	12202739
279.8	460618.5	-71.7319	35.0062	5496970	-1.7E+07	12201348
280	461080.6	-71.7251	35.00076	5499406	-1.7E+07	12199956
280.2	461541.8	-71.7184	34.99533	5501842	-1.7E+07	12198564
280.4	462002.3	-71.7117	34.98989	5504277	-1.7E+07	12197171
280.6	462462	-71.705	34.98445	5506712	-1.7E+07	12195777
280.8	462920.9	-71.6983	34.97902	5509147	-1.7E+07	12194383
281	463379	-71.6916	34.97358	5511582	-1.7E+07	12192988
281.2	463836.3	-71.6848	34.96814	5514016	-1.7E+07	12191592
281.4	464292.9	-71.6781	34.9627	5516450	-1.7E+07	12190195
281.6	464748.6	-71.6714	34.95726	5518883	-1.7E+07	12188798
281.8	465203.6	-71.6647	34.95182	5521316	-1.7E+07	12187400
282	465657.7	-71.658	34.94639	5523749	-1.7E+07	12186002
282.2	466111.1	-71.6513	34.94095	5526181	-1.7E+07	12184602
282.4	466563.6	-71.6446	34.93551	5528613	-1.7E+07	12183202
282.6	467015.4	-71.6379	34.93007	5531045	-1.7E+07	12181801
282.8	467466.4	-71.6312	34.92463	5533477	-1.7E+07	12180400
283	467916.6	-71.6245	34.91919	5535908	-1.7E+07	12178998
283.2	468366	-71.6178	34.91375	5538338	-1.7E+07	12177595
283.4	468814.6	-71.6111	34.90831	5540769	-1.7E+07	12176191
283.6	469262.4	-71.6044	34.90287	5543199	-1.7E+07	12174787
283.8	469709.5	-71.5977	34.89743	5545628	-1.7E+07	12173382
284	470155.7	-71.591	34.89198	5548058	-1.7E+07	12171976
284.2	470601.1	-71.5843	34.88654	5550487	-1.7E+07	12170570
284.4	471045.8	-71.5776	34.8811	5552916	-1.7E+07	12169163
284.6	471489.7	-71.5709	34.87566	5555344	-1.7E+07	12167755
284.8	471932.7	-71.5642	34.87022	5557772	-1.7E+07	12166346
285	472375	-71.5575	34.86477	5560200	-1.7E+07	12164937
285.2	472816.5	-71.5508	34.85933	5562627	-1.7E+07	12163527
285.4	473257.2	-71.5441	34.85389	5565054	-1.7E+07	12162117
285.6	473697.1	-71.5375	34.84845	5567480	-1.7E+07	12160705
285.8	474136.2	-71.5308	34.843	5569907	-1.7E+07	12159293
286	474574.5	-71.5241	34.83756	5572333	-1.7E+07	12157880
286.2	475012.1	-71.5174	34.83211	5574758	-1.7E+07	12156467
286.4	475448.8	-71.5107	34.82667	5577183	-1.7E+07	12155053

286.6	475884.8	-71.504	34.82123	5579608	-1.7E+07	12153638
286.8	476319.9	-71.4974	34.81578	5582033	-1.7E+07	12152222
287	476754.3	-71.4907	34.81034	5584457	-1.7E+07	12150806
287.2	477187.9	-71.484	34.80489	5586881	-1.7E+07	12149389
287.4	477620.7	-71.4773	34.79945	5589305	-1.7E+07	12147972
287.6	478052.6	-71.4707	34.794	5591728	-1.7E+07	12146553
287.8	478483.9	-71.464	34.78856	5594151	-1.7E+07	12145134
288	478914.3	-71.4573	34.78311	5596573	-1.7E+07	12143714
288.2	479343.9	-71.4507	34.77766	5598995	-1.7E+07	12142294
288.4	479772.7	-71.444	34.77222	5601417	-1.7E+07	12140873
288.6	480200.8	-71.4373	34.76677	5603839	-1.7E+07	12139451
288.8	480628	-71.4307	34.76132	5606260	-1.7E+07	12138028
289	481054.5	-71.424	34.75588	5608681	-1.7E+07	12136605
289.2	481480.1	-71.4173	34.75043	5611101	-1.7E+07	12135181
289.4	481905	-71.4107	34.74498	5613521	-1.7E+07	12133757
289.6	482329.1	-71.404	34.73953	5615941	-1.7E+07	12132331
289.8	482752.4	-71.3974	34.73408	5618360	-1.7E+07	12130905
290	483174.9	-71.3907	34.72864	5620779	-1.7E+07	12129478
290.2	483596.6	-71.384	34.72319	5623198	-1.7E+07	12128051
290.4	484017.5	-71.3774	34.71774	5625616	-1.7E+07	12126623
290.6	484437.7	-71.3707	34.71229	5628034	-1.7E+07	12125194
290.8	484857	-71.3641	34.70684	5630452	-1.7E+07	12123764
291	485275.6	-71.3574	34.70139	5632869	-1.7E+07	12122334
291.2	485693.3	-71.3508	34.69594	5635286	-1.7E+07	12120903
291.4	486110.3	-71.3441	34.69049	5637703	-1.7E+07	12119472
291.6	486526.5	-71.3375	34.68504	5640119	-1.7E+07	12118039
291.8	486941.9	-71.3308	34.67959	5642535	-1.7E+07	12116606
292	487356.5	-71.3242	34.67414	5644951	-1.7E+07	12115172
292.2	487770.3	-71.3176	34.66869	5647366	-1.7E+07	12113738
292.4	488183.3	-71.3109	34.66323	5649781	-1.7E+07	12112303
292.6	488595.5	-71.3043	34.65778	5652196	-1.7E+07	12110867
292.8	489007	-71.2976	34.65233	5654610	-1.7E+07	12109430
293	489417.6	-71.291	34.64688	5657024	-1.7E+07	12107993
293.2	489827.5	-71.2844	34.64143	5659437	-1.7E+07	12106555
293.4	490236.5	-71.2777	34.63597	5661851	-1.7E+07	12105117
293.6	490644.8	-71.2711	34.63052	5664263	-1.7E+07	12103677
293.8	491052.3	-71.2645	34.62507	5666676	-1.7E+07	12102237
294	491459	-71.2578	34.61961	5669088	-1.7E+07	12100797
294.2	491864.9	-71.2512	34.61416	5671500	-1.7E+07	12099355
294.4	492270	-71.2446	34.60871	5673911	-1.7E+07	12097913
294.6	492674.4	-71.2379	34.60325	5676323	-1.7E+07	12096470
294.8	493077.9	-71.2313	34.5978	5678733	-1.7E+07	12095027
295	493480.6	-71.2247	34.59234	5681144	-1.7E+07	12093582
295.2	493882.6	-71.2181	34.58689	5683554	-1.7E+07	12092138
295.4	494283.8	-71.2114	34.58143	5685964	-1.7E+07	12090692
295.6	494684.1	-71.2048	34.57598	5688373	-1.7E+07	12089246
295.8	495083.7	-71.1982	34.57052	5690782	-1.7E+07	12087799

296	495482.5	-71.1916	34.56507	5693191	-1.7E+07	12086351
296.2	495880.5	-71.185	34.55961	5695599	-1.7E+07	12084903
296.4	496277.7	-71.1783	34.55415	5698007	-1.7E+07	12083454
296.6	496674.2	-71.1717	34.5487	5700415	-1.7E+07	12082004
296.8	497069.8	-71.1651	34.54324	5702822	-1.7E+07	12080553
297	497464.6	-71.1585	34.53778	5705229	-1.7E+07	12079102
297.2	497858.7	-71.1519	34.53233	5707635	-1.7E+07	12077650
297.4	498252	-71.1453	34.52687	5710042	-1.7E+07	12076198
297.6	498644.4	-71.1387	34.52141	5712448	-1.7E+07	12074744
297.8	499036.1	-71.1321	34.51595	5714853	-1.7E+07	12073290
298	499427	-71.1255	34.51049	5717258	-1.7E+07	12071836
298.2	499817.1	-71.1189	34.50504	5719663	-1.7E+07	12070380
298.4	500206.4	-71.1123	34.49958	5722068	-1.7E+07	12068924
298.6	500595	-71.1056	34.49412	5724472	-1.7E+07	12067468
298.8	500982.7	-71.099	34.48866	5726876	-1.7E+07	12066010
299	501369.6	-71.0924	34.4832	5729279	-1.7E+07	12064552
299.2	501755.8	-71.0858	34.47774	5731682	-1.7E+07	12063093
299.4	502141.2	-71.0792	34.47228	5734085	-1.7E+07	12061634
299.6	502525.8	-71.0727	34.46682	5736488	-1.7E+07	12060174
299.8	502909.5	-71.0661	34.46136	5738890	-1.7E+07	12058713
300	503292.5	-71.0595	34.4559	5741291	-1.7E+07	12057251
300.2	503674.7	-71.0529	34.45043	5743693	-1.7E+07	12055789
300.4	504056.2	-71.0463	34.44497	5746094	-1.7E+07	12054326
300.6	504436.8	-71.0397	34.43951	5748494	-1.7E+07	12052862
300.8	504816.6	-71.0331	34.43405	5750895	-1.7E+07	12051398
301	505195.7	-71.0265	34.42859	5753295	-1.7E+07	12049933
301.2	505574	-71.0199	34.42312	5755694	-1.7E+07	12048467
301.4	505951.4	-71.0133	34.41766	5758094	-1.7E+07	12047001
301.6	506328.1	-71.0068	34.4122	5760493	-1.7E+07	12045533
301.8	506704	-71.0002	34.40674	5762891	-1.7E+07	12044066
302	507079.1	-70.9936	34.40127	5765289	-1.7E+07	12042597
302.2	507453.4	-70.987	34.39581	5767687	-1.7E+07	12041128
302.4	507826.9	-70.9804	34.39034	5770085	-1.7E+07	12039658
302.6	508199.7	-70.9738	34.38488	5772482	-1.7E+07	12038187
302.8	508571.6	-70.9673	34.37942	5774879	-1.7E+07	12036716
303	508942.8	-70.9607	34.37395	5777275	-1.7E+07	12035244
303.2	509313.2	-70.9541	34.36849	5779671	-1.7E+07	12033771
303.4	509682.7	-70.9475	34.36302	5782067	-1.7E+07	12032298
303.6	510051.5	-70.941	34.35755	5784463	-1.7E+07	12030824
303.8	510419.5	-70.9344	34.35209	5786858	-1.7E+07	12029349
304	510786.7	-70.9278	34.34662	5789252	-1.7E+07	12027874
304.2	511153.2	-70.9213	34.34116	5791647	-1.7E+07	12026398
304.4	511518.8	-70.9147	34.33569	5794041	-1.7E+07	12024921
304.6	511883.6	-70.9081	34.33022	5796434	-1.7E+07	12023443
304.8	512247.7	-70.9016	34.32476	5798828	-1.7E+07	12021965
305	512611	-70.895	34.31929	5801221	-1.7E+07	12020486
305.2	512973.4	-70.8884	34.31382	5803613	-1.7E+07	12019007

305.4	513335.1	-70.8819	34.30835	5806006	-1.7E+07	12017526
305.6	513696	-70.8753	34.30288	5808398	-1.7E+07	12016045
305.8	514056.1	-70.8688	34.29742	5810789	-1.7E+07	12014564
306	514415.4	-70.8622	34.29195	5813180	-1.7E+07	12013081
306.2	514774	-70.8556	34.28648	5815571	-1.7E+07	12011598
306.4	515131.7	-70.8491	34.28101	5817962	-1.7E+07	12010115
306.6	515488.7	-70.8425	34.27554	5820352	-1.7E+07	12008630
306.8	515844.8	-70.836	34.27007	5822742	-1.7E+07	12007145
307	516200.2	-70.8294	34.2646	5825131	-1.7E+07	12005659
307.2	516554.8	-70.8229	34.25913	5827520	-1.7E+07	12004173
307.4	516908.6	-70.8163	34.25366	5829909	-1.7E+07	12002686
307.6	517261.6	-70.8098	34.24819	5832297	-1.7E+07	12001198
307.8	517613.8	-70.8032	34.24272	5834685	-1.7E+07	11999709
308	517965.3	-70.7967	34.23725	5837073	-1.7E+07	11998220
308.2	518315.9	-70.7901	34.23177	5839460	-1.7E+07	11996730
308.4	518665.7	-70.7836	34.2263	5841847	-1.7E+07	11995240
308.6	519014.8	-70.7771	34.22083	5844234	-1.7E+07	11993748
308.8	519363.1	-70.7705	34.21536	5846620	-1.7E+07	11992256
309	519710.6	-70.764	34.20989	5849006	-1.7E+07	11990764
309.2	520057.3	-70.7574	34.20441	5851392	-1.7E+07	11989270
309.4	520403.2	-70.7509	34.19894	5853777	-1.7E+07	11987776
309.6	520748.3	-70.7444	34.19347	5856162	-1.7E+07	11986281
309.8	521092.6	-70.7378	34.18799	5858546	-1.7E+07	11984786
310	521436.2	-70.7313	34.18252	5860930	-1.7E+07	11983290
310.2	521778.9	-70.7248	34.17704	5863314	-1.7E+07	11981793
310.4	522120.9	-70.7182	34.17157	5865698	-1.7E+07	11980295
310.6	522462.1	-70.7117	34.16609	5868081	-1.7E+07	11978797
310.8	522802.5	-70.7052	34.16062	5870463	-1.7E+07	11977298
311	523142.1	-70.6986	34.15514	5872846	-1.7E+07	11975799
311.2	523480.9	-70.6921	34.14967	5875228	-1.7E+07	11974299
311.4	523818.9	-70.6856	34.14419	5877609	-1.7E+07	11972798
311.6	524156.1	-70.6791	34.13872	5879991	-1.7E+07	11971296
311.8	524492.6	-70.6725	34.13324	5882372	-1.7E+07	11969794
312	524828.2	-70.666	34.12776	5884752	-1.7E+07	11968291
312.2	525163.1	-70.6595	34.12229	5887133	-1.7E+07	11966787
312.4	525497.2	-70.653	34.11681	5889512	-1.7E+07	11965283
312.6	525830.5	-70.6465	34.11133	5891892	-1.7E+07	11963778
312.8	526163	-70.64	34.10585	5894271	-1.7E+07	11962272
313	526494.7	-70.6334	34.10038	5896650	-1.7E+07	11960766
313.2	526825.6	-70.6269	34.0949	5899029	-1.7E+07	11959258
313.4	527155.8	-70.6204	34.08942	5901407	-1.7E+07	11957751
313.6	527485.1	-70.6139	34.08394	5903784	-1.7E+07	11956242
313.8	527813.7	-70.6074	34.07846	5906162	-1.7E+07	11954733
314	528141.5	-70.6009	34.07298	5908539	-1.7E+07	11953223
314.2	528468.5	-70.5944	34.0675	5910916	-1.7E+07	11951713
314.4	528794.7	-70.5879	34.06202	5913292	-1.7E+07	11950201
314.6	529120.1	-70.5813	34.05654	5915668	-1.7E+07	11948689

314.8	529444.7	-70.5748	34.05106	5918043	-1.7E+07	11947177
315	529768.5	-70.5683	34.04558	5920419	-1.7E+07	11945664
315.2	530091.6	-70.5618	34.0401	5922794	-1.7E+07	11944150
315.4	530413.8	-70.5553	34.03462	5925168	-1.7E+07	11942635
315.6	530735.3	-70.5488	34.02914	5927542	-1.7E+07	11941120
315.8	531056	-70.5423	34.02366	5929916	-1.7E+07	11939604
316	531375.9	-70.5358	34.01817	5932290	-1.7E+07	11938087
316.2	531695	-70.5293	34.01269	5934663	-1.7E+07	11936570
316.4	532013.3	-70.5228	34.00721	5937036	-1.7E+07	11935051
316.6	532330.8	-70.5163	34.00173	5939408	-1.7E+07	11933533
316.8	532647.6	-70.5099	33.99624	5941780	-1.7E+07	11932013
317	532963.5	-70.5034	33.99076	5944152	-1.7E+07	11930493
317.2	533278.7	-70.4969	33.98528	5946523	-1.7E+07	11928972
317.4	533593.1	-70.4904	33.97979	5948894	-1.7E+07	11927451
317.6	533906.6	-70.4839	33.97431	5951265	-1.7E+07	11925929
317.8	534219.4	-70.4774	33.96882	5953635	-1.7E+07	11924406
318	534531.5	-70.4709	33.96334	5956005	-1.7E+07	11922882
318.2	534842.7	-70.4644	33.95785	5958375	-1.7E+07	11921358
318.4	535153.1	-70.4579	33.95237	5960744	-1.7E+07	11919833
318.6	535462.8	-70.4515	33.94688	5963113	-1.7E+07	11918308
318.8	535771.6	-70.445	33.9414	5965481	-1.7E+07	11916781
319	536079.7	-70.4385	33.93591	5967849	-1.7E+07	11915254
319.2	536387	-70.432	33.93042	5970217	-1.7E+07	11913727
319.4	536693.5	-70.4255	33.92494	5972584	-1.7E+07	11912198
319.6	536999.2	-70.4191	33.91945	5974952	-1.7E+07	11910669
319.8	537304.1	-70.4126	33.91396	5977318	-1.7E+07	11909140
320	537608.3	-70.4061	33.90847	5979685	-1.7E+07	11907609
320.09	537744.9	-70.4032	33.906	5980749	-1.7E+07	11906921
320.14	537820.7	-70.4016	33.90463	5981341	-1.7E+07	11906538
320.2	537911.6	-70.3996	33.90299	5982051	-1.7E+07	11906078
320.34	538123.5	-70.3951	33.89914	5983706	-1.7E+07	11905006
320.4	538214.2	-70.3932	33.8975	5984416	-1.7E+07	11904547
320.6	538515.9	-70.3867	33.89201	5986781	-1.7E+07	11903014
320.8	538816.9	-70.3802	33.88652	5989146	-1.7E+07	11901481
321	539117.1	-70.3737	33.88103	5991511	-1.7E+07	11899947
321.2	539416.5	-70.3673	33.87554	5993875	-1.7E+07	11898413
321.4	539715.1	-70.3608	33.87005	5996239	-1.7E+07	11896878
321.6	540013	-70.3543	33.86456	5998602	-1.7E+07	11895342
321.8	540310	-70.3479	33.85907	6000965	-1.7E+07	11893806
322	540606.3	-70.3414	33.85358	6003328	-1.7E+07	11892268
322.2	540901.7	-70.335	33.84809	6005691	-1.7E+07	11890731
322.4	541196.4	-70.3285	33.8426	6008053	-1.7E+07	11889192
322.6	541490.3	-70.322	33.83711	6010414	-1.7E+07	11887653
322.8	541783.4	-70.3156	33.83162	6012776	-1.7E+07	11886113
323	542075.8	-70.3091	33.82613	6015136	-1.7E+07	11884572
323.2	542367.3	-70.3027	33.82064	6017497	-1.7E+07	11883031
323.4	542658	-70.2962	33.81514	6019857	-1.7E+07	11881489

323.6	542948	-70.2897	33.80965	6022217	-1.7E+07	11879947
323.8	543237.2	-70.2833	33.80416	6024577	-1.7E+07	11878403
324	543525.5	-70.2768	33.79866	6026936	-1.7E+07	11876859
324.2	543813.1	-70.2704	33.79317	6029295	-1.7E+07	11875315
324.4	544099.9	-70.2639	33.78768	6031653	-1.7E+07	11873769
324.6	544386	-70.2575	33.78218	6034011	-1.7E+07	11872223
324.8	544671.2	-70.251	33.77669	6036369	-1.7E+07	11870677
325	544955.6	-70.2446	33.77119	6038726	-1.7E+07	11869129
325.2	545239.3	-70.2381	33.7657	6041083	-1.7E+07	11867581
325.4	545522.2	-70.2317	33.7602	6043440	-1.7E+07	11866033
325.6	545804.2	-70.2253	33.75471	6045796	-1.7E+07	11864483
325.8	546085.5	-70.2188	33.74921	6048152	-1.7E+07	11862933
326	546366.1	-70.2124	33.74372	6050507	-1.7E+07	11861382
326.2	546645.8	-70.2059	33.73822	6052863	-1.7E+07	11859831
326.4	546924.7	-70.1995	33.73272	6055217	-1.7E+07	11858279
326.6	547202.9	-70.1931	33.72723	6057572	-1.7E+07	11856726
326.8	547480.2	-70.1866	33.72173	6059926	-1.7E+07	11855172
327	547756.8	-70.1802	33.71623	6062280	-1.7E+07	11853618
327.2	548032.6	-70.1737	33.71074	6064633	-1.7E+07	11852063
327.4	548307.6	-70.1673	33.70524	6066986	-1.7E+07	11850508
327.6	548581.8	-70.1609	33.69974	6069339	-1.7E+07	11848952
327.8	548855.2	-70.1544	33.69424	6071691	-1.7E+07	11847395
328	549127.8	-70.148	33.68874	6074043	-1.7E+07	11845837
328.2	549399.7	-70.1416	33.68324	6076394	-1.7E+07	11844279
328.4	549670.7	-70.1352	33.67774	6078746	-1.7E+07	11842720
328.6	549941	-70.1287	33.67224	6081097	-1.7E+07	11841161
328.8	550210.5	-70.1223	33.66674	6083447	-1.7E+07	11839600
329	550479.2	-70.1159	33.66124	6085797	-1.7E+07	11838040
329.2	550747.1	-70.1095	33.65574	6088147	-1.7E+07	11836478
329.4	551014.2	-70.103	33.65024	6090496	-1.7E+07	11834916
329.6	551280.6	-70.0966	33.64474	6092845	-1.7E+07	11833353
329.8	551546.1	-70.0902	33.63924	6095194	-1.7E+07	11831789
330	551810.9	-70.0838	33.63374	6097542	-1.7E+07	11830225
330.2	552074.9	-70.0774	33.62824	6099890	-1.7E+07	11828660
330.4	552338.1	-70.0709	33.62273	6102238	-1.7E+07	11827094
330.6	552600.5	-70.0645	33.61723	6104585	-1.7E+07	11825528
330.8	552862.1	-70.0581	33.61173	6106932	-1.7E+07	11823961
331	553122.9	-70.0517	33.60622	6109278	-1.7E+07	11822393
331.2	553383	-70.0453	33.60072	6111624	-1.7E+07	11820825
331.4	553642.2	-70.0389	33.59522	6113970	-1.7E+07	11819256
331.6	553900.7	-70.0325	33.58971	6116315	-1.7E+07	11817686
331.8	554158.4	-70.0261	33.58421	6118660	-1.7E+07	11816116
331.89	554274.1	-70.0232	33.58173	6119716	-1.7E+07	11815409
332	554415.3	-70.0196	33.5787	6121005	-1.7E+07	11814545
332.01	554428.1	-70.0193	33.57843	6121122	-1.7E+07	11814466
332.09	554530.5	-70.0168	33.57623	6122060	-1.7E+07	11813838
332.2	554671.2	-70.0132	33.5732	6123349	-1.7E+07	11812973

332.4	554926.6	-70.0068	33.56769	6125693	-1.7E+07	11811401
332.6	555181.1	-70.0004	33.56219	6128036	-1.7E+07	11809828
332.8	555434.9	-69.994	33.55668	6130380	-1.7E+07	11808254
333	555687.8	-69.9876	33.55118	6132723	-1.7E+07	11806679
333.2	555940	-69.9812	33.54567	6135065	-1.7E+07	11805104
333.4	556191.4	-69.9748	33.54016	6137407	-1.7E+07	11803529
333.6	556442	-69.9684	33.53466	6139749	-1.7E+07	11801952
333.8	556691.8	-69.962	33.52915	6142090	-1.7E+07	11800375
334	556940.9	-69.9556	33.52364	6144431	-1.7E+07	11798797
334.2	557189.1	-69.9492	33.51813	6146772	-1.7E+07	11797219
334.4	557436.6	-69.9428	33.51263	6149112	-1.7E+07	11795639
334.6	557683.3	-69.9364	33.50712	6151452	-1.7E+07	11794060
334.8	557929.2	-69.93	33.50161	6153792	-1.7E+07	11792479
335	558174.3	-69.9236	33.4961	6156131	-1.7E+07	11790898
335.09	558284.3	-69.9208	33.49362	6157184	-1.7E+07	11790186
335.14	558345.4	-69.9192	33.49224	6157768	-1.7E+07	11789791
335.2	558418.6	-69.9173	33.49059	6158470	-1.7E+07	11789316
335.34	558589.2	-69.9128	33.48673	6160107	-1.7E+07	11788208
335.4	558662.1	-69.9109	33.48508	6160808	-1.7E+07	11787734
335.6	558904.9	-69.9045	33.47957	6163146	-1.7E+07	11786150
335.8	559146.8	-69.8981	33.47406	6165484	-1.7E+07	11784567
336	559388	-69.8917	33.46855	6167822	-1.7E+07	11782982
336.2	559628.4	-69.8853	33.46304	6170159	-1.7E+07	11781397
336.4	559868	-69.8789	33.45753	6172495	-1.7E+07	11779811
336.6	560106.8	-69.8725	33.45202	6174832	-1.7E+07	11778224
336.8	560344.9	-69.8662	33.4465	6177167	-1.7E+07	11776637
337	560582.1	-69.8598	33.44099	6179503	-1.7E+07	11775049
337.09	560688.7	-69.8569	33.43851	6180554	-1.7E+07	11774334
337.1999	560818.6	-69.8534	33.43548	6181838	-1.7E+07	11773461
337.3999	561054.3	-69.847	33.42997	6184173	-1.7E+07	11771871
337.5999	561289.2	-69.8406	33.42445	6186508	-1.7E+07	11770281
337.7999	561523.3	-69.8343	33.41894	6188842	-1.7E+07	11768691
337.9999	561756.7	-69.8279	33.41343	6191176	-1.7E+07	11767100
338.1999	561989.2	-69.8215	33.40791	6193509	-1.7E+07	11765508
338.3999	562221	-69.8151	33.4024	6195842	-1.7E+07	11763915
338.5999	562451.9	-69.8088	33.39688	6198175	-1.7E+07	11762322
338.7999	562682.1	-69.8024	33.39137	6200507	-1.7E+07	11760728
338.9999	562911.5	-69.796	33.38585	6202839	-1.7E+07	11759133
339.1999	563140.1	-69.7897	33.38034	6205170	-1.7E+07	11757538
339.3999	563367.9	-69.7833	33.37482	6207502	-1.7E+07	11755942
339.5999	563595	-69.7769	33.36931	6209832	-1.7E+07	11754345
339.7999	563821.2	-69.7706	33.36379	6212163	-1.7E+07	11752748
339.9999	564046.7	-69.7642	33.35827	6214493	-1.7E+07	11751150
340.1999	564271.3	-69.7578	33.35276	6216823	-1.7E+07	11749551
340.3999	564495.2	-69.7515	33.34724	6219152	-1.7E+07	11747952
340.5999	564718.3	-69.7451	33.34172	6221481	-1.7E+07	11746352
340.7999	564940.7	-69.7387	33.33621	6223810	-1.7E+07	11744751

340.9999	565162.2	-69.7324	33.33069	6226138	-1.7E+07	11743150
341.0916	565263.5	-69.7295	33.32816	6227205	-1.7E+07	11742416
341.0949	565267.1	-69.7294	33.32807	6227244	-1.7E+07	11742389
341.1999	565382.9	-69.726	33.32517	6228466	-1.7E+07	11741548
341.3999	565603.2	-69.7197	33.31965	6230794	-1.7E+07	11739945
341.5999	565823.1	-69.7133	33.31413	6233123	-1.7E+07	11738341
341.7999	566042.7	-69.7069	33.3086	6235453	-1.7E+07	11736736
341.9999	566261.9	-69.7006	33.30308	6237783	-1.7E+07	11735130
342.1999	566480.9	-69.6942	33.29755	6240115	-1.7E+07	11733523
342.3999	566699.4	-69.6878	33.29202	6242447	-1.7E+07	11731915
342.5999	566917.7	-69.6815	33.28648	6244780	-1.7E+07	11730306
342.7999	567135.6	-69.6751	33.28095	6247114	-1.7E+07	11728696
342.9999	567353.2	-69.6687	33.27541	6249448	-1.7E+07	11727085
343.1999	567570.6	-69.6623	33.26987	6251784	-1.7E+07	11725473
343.3999	567787.6	-69.656	33.26432	6254120	-1.7E+07	11723859
343.5999	568004.3	-69.6496	33.25878	6256457	-1.7E+07	11722245
343.7999	568220.7	-69.6432	33.25323	6258795	-1.7E+07	11720629
343.9999	568436.9	-69.6368	33.24768	6261133	-1.7E+07	11719013
344.1999	568652.8	-69.6304	33.24213	6263473	-1.7E+07	11717395
344.3999	568868.4	-69.624	33.23657	6265813	-1.7E+07	11715776
344.5999	569083.8	-69.6176	33.23101	6268154	-1.7E+07	11714156
344.7999	569298.9	-69.6112	33.22545	6270496	-1.7E+07	11712534
344.9999	569513.8	-69.6048	33.21988	6272839	-1.7E+07	11710912
345.1999	569728.5	-69.5985	33.21431	6275182	-1.7E+07	11709288
345.3999	569942.9	-69.5921	33.20874	6277527	-1.7E+07	11707663
345.5999	570157.1	-69.5857	33.20317	6279872	-1.7E+07	11706037
345.7999	570371	-69.5792	33.1976	6282218	-1.7E+07	11704410
345.9999	570584.7	-69.5728	33.19202	6284566	-1.7E+07	11702782
346.1999	570798.2	-69.5664	33.18643	6286914	-1.7E+07	11701153
346.3999	571011.4	-69.56	33.18085	6289263	-1.7E+07	11699522
346.5999	571224.5	-69.5536	33.17526	6291613	-1.7E+07	11697891
346.7999	571437.3	-69.5472	33.16967	6293964	-1.7E+07	11696258
346.9999	571649.8	-69.5408	33.16408	6296316	-1.7E+07	11694624
347.1999	571862.2	-69.5344	33.15848	6298669	-1.7E+07	11692988
347.3999	572074.3	-69.5279	33.15288	6301023	-1.7E+07	11691352
347.5999	572286.3	-69.5215	33.14728	6303378	-1.7E+07	11689714
347.7999	572498	-69.5151	33.14168	6305734	-1.7E+07	11688075
347.9999	572709.6	-69.5087	33.13607	6308091	-1.7E+07	11686435
348.1999	572920.9	-69.5022	33.13046	6310449	-1.7E+07	11684794
348.3999	573132.1	-69.4958	33.12484	6312808	-1.7E+07	11683151
348.5999	573343.1	-69.4894	33.11922	6315168	-1.7E+07	11681508
348.7999	573553.9	-69.4829	33.1136	6317529	-1.7E+07	11679863
348.9999	573764.5	-69.4765	33.10798	6319892	-1.7E+07	11678216
349.1999	573975	-69.47	33.10235	6322255	-1.7E+07	11676569
349.3999	574185.2	-69.4636	33.09672	6324620	-1.7E+07	11674920
349.5999	574395.4	-69.4571	33.09109	6326986	-1.7E+07	11673270
349.7999	574605.3	-69.4507	33.08545	6329353	-1.7E+07	11671619

349.9999	574815.2	-69.4442	33.07981	6331721	-1.7E+07	11669966
350.1999	575024.8	-69.4378	33.07416	6334090	-1.7E+07	11668312
350.3999	575234.3	-69.4313	33.06852	6336461	-1.7E+07	11666657
350.5999	575443.7	-69.4249	33.06287	6338832	-1.7E+07	11665001
350.7999	575653	-69.4184	33.05721	6341205	-1.7E+07	11663343
350.9999	575862.1	-69.4119	33.05155	6343579	-1.7E+07	11661684
351.1999	576071.1	-69.4054	33.04589	6345955	-1.7E+07	11660024
351.3999	576279.9	-69.399	33.04023	6348331	-1.7E+07	11658362
351.5999	576488.6	-69.3925	33.03456	6350709	-1.7E+07	11656699
351.7999	576697.3	-69.386	33.02889	6353089	-1.7E+07	11655034
351.9999	576905.8	-69.3795	33.02321	6355469	-1.7E+07	11653369
352.1999	577114.2	-69.373	33.01753	6357851	-1.7E+07	11651702
352.3999	577322.4	-69.3665	33.01185	6360234	-1.7E+07	11650033
352.5999	577530.6	-69.3601	33.00616	6362619	-1.7E+07	11648364
352.7999	577738.7	-69.3536	33.00047	6365005	-1.7E+07	11646692
352.9999	577946.7	-69.3471	32.99478	6367392	-1.7E+07	11645020
353.1999	578154.6	-69.3405	32.98908	6369780	-1.7E+07	11643346
353.3999	578362.4	-69.334	32.98338	6372170	-1.7E+07	11641671
353.5999	578570.1	-69.3275	32.97767	6374562	-1.7E+07	11639994
353.7999	578777.8	-69.321	32.97196	6376955	-1.7E+07	11638316
353.9999	578985.3	-69.3145	32.96625	6379349	-1.7E+07	11636636
354.1999	579192.8	-69.308	32.96053	6381745	-1.7E+07	11634955
354.3999	579400.2	-69.3014	32.95481	6384142	-1.7E+07	11633273
354.5999	579607.6	-69.2949	32.94909	6386540	-1.7E+07	11631589
354.7999	579814.8	-69.2884	32.94336	6388940	-1.7E+07	11629904
354.9999	580022	-69.2818	32.93763	6391342	-1.7E+07	11628217
355.1999	580229.1	-69.2753	32.93189	6393745	-1.7E+07	11626529
355.3999	580436.1	-69.2688	32.92615	6396149	-1.7E+07	11624840
355.5999	580643	-69.2622	32.9204	6398555	-1.7E+07	11623149
355.7999	580849.8	-69.2557	32.91466	6400962	-1.7E+07	11621457
355.9999	581056.5	-69.2491	32.9089	6403371	-1.7E+07	11619763
356.1999	581263.2	-69.2426	32.90315	6405781	-1.7E+07	11618068
356.3999	581469.8	-69.236	32.89739	6408192	-1.7E+07	11616371
356.5999	581676.3	-69.2294	32.89162	6410605	-1.7E+07	11614673
356.7999	581882.7	-69.2229	32.88586	6413020	-1.7E+07	11612974
356.9999	582089	-69.2163	32.88008	6415436	-1.7E+07	11611273
357.1999	582295.3	-69.2097	32.87431	6417853	-1.7E+07	11609571
357.3999	582501.5	-69.2031	32.86853	6420272	-1.7E+07	11607867
357.5999	582707.6	-69.1966	32.86274	6422692	-1.7E+07	11606162
357.7999	582913.7	-69.19	32.85696	6425114	-1.7E+07	11604455
357.9999	583119.6	-69.1834	32.85116	6427538	-1.7E+07	11602747
358.1999	583325.5	-69.1768	32.84537	6429963	-1.7E+07	11601037
358.3999	583531.3	-69.1702	32.83957	6432389	-1.7E+07	11599326
358.5999	583737.1	-69.1636	32.83376	6434817	-1.7E+07	11597614
358.7999	583942.7	-69.157	32.82795	6437246	-1.7E+07	11595900
358.9999	584148.3	-69.1504	32.82214	6439677	-1.7E+07	11594184
359.1999	584353.8	-69.1438	32.81633	6442110	-1.7E+07	11592467

359.3999	584559.2	-69.1372	32.81051	6444543	-1.7E+07	11590749
359.5999	584764.5	-69.1305	32.80468	6446979	-1.7E+07	11589029
359.7999	584969.7	-69.1239	32.79885	6449416	-1.7E+07	11587308
359.9999	585174.9	-69.1173	32.79302	6451854	-1.7E+07	11585585
360.1999	585380	-69.1107	32.78718	6454294	-1.7E+07	11583860
360.3999	585585	-69.104	32.78134	6456736	-1.7E+07	11582135
360.5999	585789.9	-69.0974	32.7755	6459179	-1.7E+07	11580407
360.7999	585994.8	-69.0907	32.76965	6461623	-1.7E+07	11578679
360.9999	586199.6	-69.0841	32.7638	6464070	-1.7E+07	11576948
361.1999	586404.3	-69.0774	32.75794	6466517	-1.7E+07	11575216
361.3999	586608.9	-69.0708	32.75208	6468967	-1.7E+07	11573483
361.5999	586813.5	-69.0641	32.74621	6471418	-1.7E+07	11571748
361.7999	587018	-69.0575	32.74034	6473870	-1.7E+07	11570012
361.9999	587222.4	-69.0508	32.73447	6476324	-1.7E+07	11568274
362.1999	587426.7	-69.0441	32.72859	6478780	-1.7E+07	11566535
362.3999	587631	-69.0375	32.72271	6481237	-1.7E+07	11564794
362.5999	587835.2	-69.0308	32.71682	6483696	-1.7E+07	11563051
362.7999	588039.4	-69.0241	32.71093	6486156	-1.7E+07	11561307
362.9999	588243.5	-69.0174	32.70503	6488618	-1.7E+07	11559562
363.1999	588447.5	-69.0107	32.69913	6491082	-1.7E+07	11557814
363.3999	588651.4	-69.004	32.69323	6493547	-1.7E+07	11556066
363.5999	588855.3	-68.9973	32.68732	6496014	-1.7E+07	11554315
363.7999	589059.2	-68.9906	32.68141	6498483	-1.7E+07	11552564
363.9999	589263	-68.9839	32.67549	6500953	-1.7E+07	11550810
364.1999	589466.7	-68.9772	32.66957	6503425	-1.7E+07	11549055
364.3999	589670.3	-68.9705	32.66364	6505899	-1.7E+07	11547299
364.5999	589873.9	-68.9638	32.65771	6508374	-1.7E+07	11545541
364.7999	590077.5	-68.9571	32.65178	6510851	-1.7E+07	11543781
364.9999	590281	-68.9504	32.64584	6513330	-1.7E+07	11542020
365.1999	590484.4	-68.9436	32.63989	6515810	-1.7E+07	11540257
365.3999	590687.8	-68.9369	32.63394	6518292	-1.7E+07	11538492
365.5999	590891.1	-68.9302	32.62799	6520776	-1.7E+07	11536726
365.7999	591094.4	-68.9234	32.62203	6523261	-1.7E+07	11534958
365.9999	591297.6	-68.9167	32.61607	6525748	-1.7E+07	11533189
366.1999	591500.8	-68.9099	32.6101	6528237	-1.7E+07	11531418
366.3999	591703.9	-68.9032	32.60413	6530728	-1.7E+07	11529646
366.5999	591907	-68.8964	32.59816	6533220	-1.7E+07	11527871
366.7999	592110	-68.8896	32.59218	6535715	-1.7E+07	11526095
366.9999	592312.9	-68.8829	32.58619	6538211	-1.7E+07	11524318
367.1999	592515.9	-68.8761	32.5802	6540708	-1.7E+07	11522539
367.3999	592718.7	-68.8693	32.57421	6543208	-1.7E+07	11520758
367.5999	592921.6	-68.8625	32.56821	6545709	-1.7E+07	11518975
367.7999	593124.3	-68.8557	32.5622	6548212	-1.7E+07	11517191
367.9999	593327.1	-68.849	32.5562	6550717	-1.7E+07	11515405
368.1999	593529.8	-68.8422	32.55018	6553224	-1.7E+07	11513618
368.3999	593732.4	-68.8354	32.54416	6555732	-1.7E+07	11511828
368.5999	593935	-68.8286	32.53814	6558243	-1.7E+07	11510038

368.7999	594137.6	-68.8217	32.53211	6560755	-1.7E+07	11508245
368.9999	594340.1	-68.8149	32.52608	6563269	-1.7E+07	11506451
369.1999	594542.6	-68.8081	32.52004	6565784	-1.7E+07	11504655
369.3999	594745.1	-68.8013	32.514	6568302	-1.7E+07	11502857
369.5999	594947.5	-68.7945	32.50796	6570822	-1.7E+07	11501057
369.7999	595149.8	-68.7876	32.5019	6573343	-1.7E+07	11499256
369.9999	595352.2	-68.7808	32.49585	6575866	-1.7E+07	11497453
370.1999	595554.5	-68.774	32.48979	6578392	-1.7E+07	11495649
370.3999	595756.8	-68.7671	32.48372	6580919	-1.7E+07	11493842
370.5999	595959	-68.7603	32.47765	6583448	-1.7E+07	11492034
370.7999	596161.2	-68.7534	32.47157	6585979	-1.7E+07	11490224
370.9999	596363.4	-68.7465	32.46549	6588511	-1.7E+07	11488413
371.1999	596565.5	-68.7397	32.4594	6591046	-1.7E+07	11486599
371.3999	596767.6	-68.7328	32.45331	6593583	-1.7E+07	11484784
371.5999	596969.7	-68.7259	32.44721	6596122	-1.7E+07	11482967
371.7999	597171.7	-68.7191	32.44111	6598662	-1.7E+07	11481148
371.9999	597373.8	-68.7122	32.435	6601205	-1.7E+07	11479328
372.1999	597575.7	-68.7053	32.42889	6603749	-1.7E+07	11477505
372.3999	597777.7	-68.6984	32.42278	6606296	-1.7E+07	11475681
372.5999	597979.6	-68.6915	32.41665	6608844	-1.7E+07	11473855
372.7999	598181.5	-68.6846	32.41053	6611394	-1.7E+07	11472027
372.9999	598383.4	-68.6777	32.40439	6613947	-1.7E+07	11470198
373.1999	598585.3	-68.6708	32.39826	6616501	-1.7E+07	11468366
373.3999	598787.1	-68.6638	32.39211	6619058	-1.7E+07	11466533
373.5999	598988.9	-68.6569	32.38596	6621616	-1.7E+07	11464698
373.7999	599190.7	-68.65	32.37981	6624177	-1.7E+07	11462861
373.9999	599392.4	-68.6431	32.37365	6626739	-1.7E+07	11461022
374.1999	599594.1	-68.6361	32.36749	6629304	-1.7E+07	11459182
374.3999	599795.8	-68.6292	32.36132	6631871	-1.7E+07	11457339
374.5999	599997.5	-68.6222	32.35514	6634439	-1.7E+07	11455495
374.7999	600199.1	-68.6153	32.34896	6637010	-1.7E+07	11453649
374.9999	600400.7	-68.6083	32.34278	6639583	-1.7E+07	11451801
375.1999	600602.3	-68.6013	32.33659	6642158	-1.7E+07	11449951
375.3999	600803.9	-68.5944	32.33039	6644735	-1.7E+07	11448099
375.5999	601005.4	-68.5874	32.32419	6647314	-1.7E+07	11446245
375.7999	601206.9	-68.5804	32.31798	6649895	-1.7E+07	11444389
375.9999	601408.4	-68.5734	32.31177	6652478	-1.7E+07	11442531
376.1999	601609.9	-68.5664	32.30555	6655064	-1.7E+07	11440672
376.3999	601811.3	-68.5594	32.29933	6657651	-1.7E+07	11438810
376.5999	602012.8	-68.5524	32.2931	6660241	-1.7E+07	11436947
376.7999	602214.1	-68.5454	32.28686	6662833	-1.7E+07	11435082
376.9999	602415.5	-68.5384	32.28062	6665427	-1.7E+07	11433214
377.1999	602616.8	-68.5314	32.27438	6668023	-1.7E+07	11431345
377.3999	602818.2	-68.5244	32.26812	6670621	-1.7E+07	11429474
377.5999	603019.4	-68.5173	32.26187	6673222	-1.7E+07	11427601
377.7999	603220.7	-68.5103	32.2556	6675824	-1.7E+07	11425726
377.9999	603421.9	-68.5033	32.24934	6678429	-1.7E+07	11423848

378.1999	603623.2	-68.4962	32.24306	6681036	-1.7E+07	11421969
378.3999	603824.3	-68.4892	32.23678	6683646	-1.7E+07	11420088
378.5999	604025.5	-68.4821	32.2305	6686257	-1.7E+07	11418205
378.7999	604226.7	-68.475	32.22421	6688871	-1.7E+07	11416320
378.9999	604427.8	-68.468	32.21791	6691487	-1.7E+07	11414433
379.1999	604628.9	-68.4609	32.21161	6694105	-1.7E+07	11412544
379.3999	604829.9	-68.4538	32.2053	6696725	-1.7E+07	11410653
379.5999	605031	-68.4467	32.19898	6699348	-1.7E+07	11408759
379.7999	605232	-68.4396	32.19266	6701973	-1.7E+07	11406864
379.9999	605433	-68.4326	32.18634	6704600	-1.7E+07	11404967
380.1999	605634	-68.4254	32.18	6707230	-1.7E+07	11403068
380.3999	605834.9	-68.4183	32.17367	6709861	-1.7E+07	11401166
380.5999	606035.8	-68.4112	32.16732	6712495	-1.7E+07	11399263
380.7999	606236.7	-68.4041	32.16097	6715132	-1.7E+07	11397358
380.9999	606437.6	-68.397	32.15462	6717770	-1.7E+07	11395450
381.1999	606638.5	-68.3898	32.14826	6720411	-1.7E+07	11393540
381.3999	606839.3	-68.3827	32.14189	6723054	-1.7E+07	11391629
381.5999	607040.1	-68.3756	32.13551	6725700	-1.7E+07	11389715
381.7999	607240.8	-68.3684	32.12913	6728348	-1.7E+07	11387799
381.9999	607441.6	-68.3613	32.12275	6730998	-1.7E+07	11385881
382.1999	607642.3	-68.3541	32.11636	6733651	-1.7E+07	11383961
382.3999	607843	-68.3469	32.10996	6736306	-1.7E+07	11382039
382.5999	608043.7	-68.3398	32.10356	6738963	-1.7E+07	11380114
382.7999	608244.3	-68.3326	32.09715	6741622	-1.7E+07	11378188
382.9999	608444.9	-68.3254	32.09073	6744285	-1.7E+07	11376259
383.1999	608645.5	-68.3182	32.08431	6746949	-1.7E+07	11374328
383.3999	608846	-68.311	32.07788	6749616	-1.7E+07	11372395
383.5999	609046.6	-68.3038	32.07144	6752285	-1.7E+07	11370460
383.7999	609247	-68.2966	32.065	6754957	-1.7E+07	11368523
383.9999	609447.5	-68.2894	32.05856	6757631	-1.7E+07	11366584
384.1999	609647.9	-68.2822	32.0521	6760307	-1.7E+07	11364642
384.3999	609848.3	-68.2749	32.04564	6762986	-1.7E+07	11362698
384.5999	610048.7	-68.2677	32.03918	6765667	-1.7E+07	11360752
384.7999	610249	-68.2605	32.03271	6768351	-1.7E+07	11358804
384.9999	610449.2	-68.2532	32.02623	6771037	-1.7E+07	11356854
385.1999	610649.5	-68.246	32.01974	6773726	-1.7E+07	11354901
385.3999	610849.7	-68.2387	32.01325	6776417	-1.7E+07	11352946
385.5999	611049.8	-68.2314	32.00675	6779111	-1.7E+07	11350989
385.7999	611249.9	-68.2242	32.00025	6781807	-1.7E+07	11349030
385.9999	611450	-68.2169	31.99374	6784505	-1.7E+07	11347068
386.1999	611650.1	-68.2096	31.98722	6787207	-1.7E+07	11345105
386.3999	611850	-68.2023	31.9807	6789910	-1.7E+07	11343139
386.5999	612050	-68.195	31.97417	6792616	-1.7E+07	11341170
386.7999	612249.9	-68.1877	31.96763	6795325	-1.7E+07	11339200
386.9999	612449.8	-68.1804	31.96109	6798036	-1.7E+07	11337227
387.1999	612649.6	-68.1731	31.95454	6800750	-1.7E+07	11335252
387.3999	612849.4	-68.1658	31.94799	6803466	-1.7E+07	11333274

387.5999	613049.1	-68.1584	31.94142	6806185	-1.7E+07	11331294
387.7999	613248.8	-68.1511	31.93485	6808906	-1.7E+07	11329312
387.9999	613448.4	-68.1438	31.92828	6811630	-1.7E+07	11327328
388.1999	613647.9	-68.1364	31.9217	6814356	-1.7E+07	11325341
388.3999	613847.5	-68.1291	31.91511	6817085	-1.7E+07	11323352
388.5999	614046.9	-68.1217	31.90851	6819817	-1.7E+07	11321361
388.7999	614246.4	-68.1143	31.90191	6822551	-1.7E+07	11319367
388.9999	614445.7	-68.107	31.8953	6825288	-1.7E+07	11317371
389.1999	614645	-68.0996	31.88869	6828027	-1.7E+07	11315373
389.3999	614844.3	-68.0922	31.88206	6830769	-1.7E+07	11313372
389.5999	615043.4	-68.0848	31.87543	6833513	-1.7E+07	11311369
389.7999	615242.6	-68.0774	31.8688	6836261	-1.7E+07	11309364
389.9999	615441.6	-68.07	31.86216	6839010	-1.7E+07	11307356
390.1999	615640.6	-68.0626	31.85551	6841763	-1.7E+07	11305346
390.3999	615839.5	-68.0551	31.84885	6844518	-1.7E+07	11303333
390.5999	616038.4	-68.0477	31.84219	6847276	-1.7E+07	11301318
390.7999	616237.2	-68.0403	31.83552	6850036	-1.7E+07	11299301
390.9999	616435.9	-68.0328	31.82884	6852799	-1.7E+07	11297281
391.1999	616634.6	-68.0254	31.82216	6855565	-1.7E+07	11295258
391.3999	616833.2	-68.0179	31.81547	6858333	-1.7E+07	11293234
391.5999	617031.7	-68.0105	31.80877	6861104	-1.7E+07	11291206
391.7999	617230.1	-68.003	31.80206	6863878	-1.7E+07	11289177
391.9999	617428.5	-67.9955	31.79535	6866655	-1.7E+07	11287145
392.1999	617626.7	-67.9881	31.78863	6869434	-1.7E+07	11285110
392.3999	617824.9	-67.9806	31.78191	6872216	-1.7E+07	11283073
392.5999	618023	-67.9731	31.77518	6875000	-1.7E+07	11281034
392.7999	618221.1	-67.9656	31.76844	6877788	-1.7E+07	11278992
392.9999	618419	-67.958	31.76169	6880578	-1.7E+07	11276947
393.1999	618616.9	-67.9505	31.75494	6883370	-1.7E+07	11274900
393.3999	618814.6	-67.943	31.74817	6886166	-1.7E+07	11272851
393.5999	619012.3	-67.9355	31.74141	6888964	-1.7E+07	11270799
393.7999	619209.9	-67.9279	31.73463	6891765	-1.7E+07	11268745
393.9999	619407.4	-67.9204	31.72785	6894569	-1.7E+07	11266687
394.1999	619604.8	-67.9128	31.72106	6897376	-1.7E+07	11264628
394.3999	619802	-67.9053	31.71426	6900185	-1.7E+07	11262566
394.5999	619999.2	-67.8977	31.70746	6902997	-1.7E+07	11260501
394.7999	620196.3	-67.8901	31.70065	6905812	-1.7E+07	11258434
394.9999	620393.3	-67.8826	31.69383	6908630	-1.7E+07	11256364
395.1999	620590.2	-67.875	31.687	6911450	-1.7E+07	11254292
395.3999	620787	-67.8674	31.68017	6914273	-1.7E+07	11252217
395.5999	620983.6	-67.8598	31.67333	6917099	-1.7E+07	11250140
395.7999	621180.2	-67.8522	31.66648	6919928	-1.7E+07	11248060
395.9999	621376.6	-67.8445	31.65963	6922760	-1.7E+07	11245977
396.1999	621572.9	-67.8369	31.65277	6925595	-1.7E+07	11243892
396.3999	621769.1	-67.8293	31.6459	6928432	-1.7E+07	11241804
396.5999	621965.2	-67.8216	31.63902	6931272	-1.7E+07	11239713
396.7999	622161.1	-67.814	31.63214	6934115	-1.7E+07	11237620

396.9999	622356.9	-67.8063	31.62524	6936961	-1.7E+07	11235525
397.1999	622552.7	-67.7987	31.61834	6939810	-1.7E+07	11233426
397.3999	622748.2	-67.791	31.61144	6942662	-1.7E+07	11231325
397.5999	622943.7	-67.7833	31.60452	6945516	-1.7E+07	11229222
397.7999	623139	-67.7756	31.5976	6948374	-1.7E+07	11227115
397.9999	623334.2	-67.768	31.59067	6951234	-1.7E+07	11225006
398.1999	623529.3	-67.7603	31.58374	6954097	-1.7E+07	11222895
398.3999	623724.2	-67.7525	31.57679	6956963	-1.7E+07	11220780
398.5999	623919	-67.7448	31.56984	6959832	-1.7E+07	11218663
398.7999	624113.7	-67.7371	31.56288	6962704	-1.7E+07	11216544
398.9999	624308.2	-67.7294	31.55591	6965579	-1.7E+07	11214421
399.1999	624502.5	-67.7216	31.54894	6968457	-1.7E+07	11212296
399.3999	624696.8	-67.7139	31.54196	6971337	-1.7E+07	11210168
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399.7999	625084.8	-67.6984	31.52797	6977108	-1.7E+07	11205904
399.9999	625278.5	-67.6906	31.52097	6979997	-1.7E+07	11203768
400.1999	625472.1	-67.6829	31.51395	6982890	-1.7E+07	11201629
400.3999	625665.6	-67.6751	31.50693	6985785	-1.7E+07	11199488
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400.7999	626052	-67.6595	31.49287	6991585	-1.7E+07	11195197
400.9999	626245	-67.6517	31.48582	6994489	-1.7E+07	11193047
401.1999	626437.8	-67.6439	31.47877	6997396	-1.7E+07	11190894
401.3999	626630.4	-67.636	31.47171	7000307	-1.7E+07	11188739
401.5999	626822.9	-67.6282	31.46465	7003220	-1.7E+07	11186580
401.7999	627015.2	-67.6204	31.45757	7006136	-1.7E+07	11184419
401.9999	627207.3	-67.6125	31.45049	7009055	-1.7E+07	11182256
402.1999	627399.2	-67.6047	31.4434	7011978	-1.7E+07	11180089
402.3999	627591	-67.5968	31.4363	7014903	-1.7E+07	11177919
402.5999	627782.5	-67.589	31.42919	7017831	-1.7E+07	11175747
402.7999	627973.9	-67.5811	31.42208	7020763	-1.7E+07	11173572
402.9999	628165.1	-67.5732	31.41496	7023697	-1.7E+07	11171394
403.1999	628356.1	-67.5653	31.40782	7026634	-1.7E+07	11169213
403.3999	628546.9	-67.5574	31.40069	7029575	-1.7E+07	11167029
403.5999	628737.5	-67.5495	31.39354	7032518	-1.7E+07	11164843
403.7999	628927.9	-67.5416	31.38639	7035465	-1.7E+07	11162653
403.9999	629118.1	-67.5337	31.37922	7038415	-1.7E+07	11160461
404.1999	629308	-67.5257	31.37205	7041367	-1.7E+07	11158266
404.3999	629497.8	-67.5178	31.36487	7044323	-1.7E+07	11156068
404.5999	629687.4	-67.5098	31.35769	7047282	-1.7E+07	11153867
404.7999	629876.8	-67.5019	31.35049	7050244	-1.7E+07	11151663
404.9999	630065.9	-67.4939	31.34329	7053209	-1.7E+07	11149456
405.1999	630254.8	-67.486	31.33608	7056177	-1.7E+07	11147246
405.3999	630443.5	-67.478	31.32886	7059148	-1.7E+07	11145033
405.5999	630632	-67.47	31.32163	7062122	-1.7E+07	11142818
405.7999	630820.3	-67.462	31.3144	7065100	-1.7E+07	11140599
405.9999	631008.3	-67.454	31.30716	7068080	-1.7E+07	11138377
406.1999	631196.1	-67.446	31.2999	7071064	-1.7E+07	11136153

406.3999	631383.7	-67.438	31.29264	7074050	-1.7E+07	11133925
406.5999	631571	-67.4299	31.28538	7077040	-1.7E+07	11131695
406.7999	631758.1	-67.4219	31.2781	7080033	-1.7E+07	11129461
406.9999	631944.9	-67.4139	31.27081	7083029	-1.7E+07	11127225
407.1999	632131.5	-67.4058	31.26352	7086029	-1.7E+07	11124985
407.3999	632317.9	-67.3977	31.25622	7089031	-1.7E+07	11122743
407.5999	632504	-67.3897	31.24891	7092036	-1.7E+07	11120497
407.7999	632689.9	-67.3816	31.24159	7095045	-1.7E+07	11118249
407.9999	632875.5	-67.3735	31.23427	7098057	-1.7E+07	11115997
408.1999	633060.9	-67.3654	31.22693	7101072	-1.7E+07	11113743
408.3999	633246	-67.3573	31.21959	7104090	-1.7E+07	11111485
408.5999	633430.8	-67.3492	31.21224	7107111	-1.7E+07	11109225
408.7999	633615.4	-67.3411	31.20488	7110136	-1.7E+07	11106961
408.9999	633799.7	-67.333	31.19751	7113164	-1.7E+07	11104694
409.1999	633983.7	-67.3248	31.19013	7116195	-1.7E+07	11102424
409.3999	634167.4	-67.3167	31.18275	7119229	-1.7E+07	11100151
409.5999	634350.9	-67.3085	31.17536	7122266	-1.7E+07	11097875
409.7999	634534.1	-67.3004	31.16795	7125306	-1.7E+07	11095596
409.9999	634717	-67.2922	31.16054	7128350	-1.7E+07	11093314
410.1999	634899.6	-67.284	31.15312	7131397	-1.7E+07	11091029
410.3999	635081.9	-67.2758	31.1457	7134447	-1.7E+07	11088741
410.5999	635263.9	-67.2677	31.13826	7137500	-1.7E+07	11086449
410.7999	635445.7	-67.2595	31.13082	7140556	-1.7E+07	11084155
410.9999	635627.1	-67.2512	31.12336	7143616	-1.7E+07	11081857
411.1999	635808.2	-67.243	31.1159	7146679	-1.7E+07	11079556
411.3999	635989	-67.2348	31.10843	7149745	-1.7E+07	11077252
411.5999	636169.5	-67.2266	31.10095	7152814	-1.7E+07	11074945
411.7999	636349.7	-67.2183	31.09347	7155886	-1.7E+07	11072635
411.9999	636529.5	-67.2101	31.08597	7158962	-1.7E+07	11070321
412.1999	636709.1	-67.2018	31.07846	7162041	-1.7E+07	11068005
412.3999	636888.3	-67.1935	31.07095	7165123	-1.7E+07	11065685
412.5999	637067.2	-67.1853	31.06343	7168209	-1.7E+07	11063362
412.7999	637245.7	-67.177	31.0559	7171297	-1.7E+07	11061036
412.9999	637423.9	-67.1687	31.04836	7174389	-1.7E+07	11058707
413.1999	637601.8	-67.1604	31.04081	7177484	-1.7E+07	11056374
413.3999	637779.4	-67.1521	31.03326	7180583	-1.7E+07	11054039
413.5999	637956.5	-67.1437	31.02569	7183684	-1.7E+07	11051700
413.7999	638133.4	-67.1354	31.01812	7186789	-1.7E+07	11049358
413.9999	638309.8	-67.1271	31.01053	7189897	-1.7E+07	11047012
414.1999	638486	-67.1187	31.00294	7193008	-1.7E+07	11044664
414.3999	638661.7	-67.1104	30.99534	7196123	-1.7E+07	11042312
414.5999	638837.1	-67.102	30.98773	7199241	-1.7E+07	11039957
414.7999	639012.2	-67.0936	30.98012	7202362	-1.7E+07	11037599
414.9999	639186.8	-67.0853	30.97249	7205486	-1.7E+07	11035237
415.1999	639361.1	-67.0769	30.96485	7208614	-1.7E+07	11032873
415.3999	639535	-67.0685	30.95721	7211745	-1.7E+07	11030505
415.5999	639708.6	-67.0601	30.94956	7214879	-1.7E+07	11028134

415.7999	639881.7	-67.0516	30.9419	7218016	-1.7E+07	11025759
415.9999	640054.5	-67.0432	30.93423	7221157	-1.7E+07	11023381
416.1999	640226.9	-67.0348	30.92655	7224301	-1.7E+07	11021000
416.3999	640398.8	-67.0264	30.91886	7227448	-1.7E+07	11018616
416.5999	640570.4	-67.0179	30.91116	7230598	-1.7E+07	11016229
416.7999	640741.6	-67.0094	30.90346	7233752	-1.7E+07	11013838
416.9999	640912.4	-67.001	30.89574	7236909	-1.7E+07	11011444
417.1999	641082.8	-66.9925	30.88802	7240069	-1.7E+07	11009046
417.3999	641252.7	-66.984	30.88029	7243232	-1.7E+07	11006646
417.5999	641422.3	-66.9755	30.87255	7246399	-1.7E+07	11004242
417.7999	641591.4	-66.967	30.8648	7249569	-1.7E+07	11001834
417.9999	641760.1	-66.9585	30.85704	7252742	-1.7E+07	10999423
418.1999	641928.4	-66.95	30.84927	7255919	-1.7E+07	10997009
418.3999	642096.2	-66.9415	30.84149	7259099	-1.7E+07	10994592
418.5999	642263.6	-66.9329	30.83371	7262282	-1.7E+07	10992172
418.7999	642430.6	-66.9244	30.82591	7265468	-1.7E+07	10989748
418.9999	642597.1	-66.9158	30.81811	7268658	-1.7E+07	10987320
419.1999	642763.2	-66.9073	30.8103	7271851	-1.7E+07	10984890
419.3999	642928.9	-66.8987	30.80248	7275047	-1.7E+07	10982456
419.5999	643094	-66.8901	30.79465	7278246	-1.7E+07	10980018
419.7999	643258.8	-66.8815	30.78681	7281449	-1.7E+07	10977578
419.9999	643423	-66.8729	30.77896	7284655	-1.7E+07	10975133
420.1999	643586.8	-66.8643	30.7711	7287864	-1.7E+07	10972686
420.3999	643750.1	-66.8557	30.76323	7291076	-1.7E+07	10970235
420.5999	643913	-66.8471	30.75536	7294292	-1.7E+07	10967781
420.7999	644075.4	-66.8385	30.74748	7297511	-1.7E+07	10965323
420.9999	644237.3	-66.8298	30.73958	7300733	-1.7E+07	10962863
421.1999	644398.7	-66.8212	30.73168	7303958	-1.7E+07	10960398
421.3999	644559.6	-66.8125	30.72377	7307187	-1.7E+07	10957931
421.5999	644720	-66.8039	30.71585	7310419	-1.7E+07	10955459
421.7999	644880	-66.7952	30.70792	7313654	-1.7E+07	10952985
421.9999	645039.4	-66.7865	30.69998	7316893	-1.7E+07	10950507
422.1999	645198.4	-66.7778	30.69204	7320134	-1.7E+07	10948026
422.3999	645356.8	-66.7691	30.68408	7323379	-1.7E+07	10945541
422.5999	645514.7	-66.7604	30.67612	7326627	-1.7E+07	10943053
422.7999	645672.1	-66.7517	30.66814	7329879	-1.7E+07	10940562
422.9999	645829	-66.743	30.66016	7333133	-1.7E+07	10938067
423.1999	645985.4	-66.7342	30.65217	7336391	-1.7E+07	10935568
423.3999	646141.2	-66.7255	30.64417	7339652	-1.7E+07	10933067
423.5999	646296.6	-66.7167	30.63616	7342917	-1.7E+07	10930561
423.7999	646451.4	-66.708	30.62814	7346184	-1.7E+07	10928053
423.9999	646605.6	-66.6992	30.62011	7349455	-1.7E+07	10925541
424.1999	646759.3	-66.6904	30.61208	7352729	-1.7E+07	10923026
424.3999	646912.5	-66.6816	30.60403	7356006	-1.7E+07	10920507
424.5999	647065.2	-66.6728	30.59597	7359286	-1.7E+07	10917984
424.7999	647217.3	-66.664	30.58791	7362570	-1.7E+07	10915459
424.9999	647368.8	-66.6552	30.57984	7365857	-1.7E+07	10912930

425.1999	647519.8	-66.6464	30.57176	7369147	-1.7E+07	10910397
425.3999	647670.2	-66.6376	30.56367	7372440	-1.7E+07	10907861
425.5999	647820.1	-66.6287	30.55557	7375736	-1.7E+07	10905322
425.7999	647969.4	-66.6199	30.54746	7379036	-1.7E+07	10902779
425.9999	648118.1	-66.611	30.53934	7382339	-1.7E+07	10900232
426.1999	648266.2	-66.6022	30.53121	7385645	-1.7E+07	10897683
426.3999	648413.8	-66.5933	30.52308	7388954	-1.7E+07	10895129
426.5999	648560.8	-66.5844	30.51493	7392266	-1.7E+07	10892573
426.7999	648707.3	-66.5755	30.50678	7395582	-1.7E+07	10890013
426.9999	648853.1	-66.5666	30.49862	7398900	-1.7E+07	10887449
427.1999	648998.3	-66.5577	30.49045	7402222	-1.7E+07	10884882
427.3999	649143	-66.5488	30.48227	7405547	-1.7E+07	10882312
427.5999	649287.1	-66.5399	30.47408	7408875	-1.7E+07	10879738
427.7999	649430.5	-66.531	30.46588	7412206	-1.7E+07	10877160
427.9999	649573.4	-66.522	30.45767	7415541	-1.7E+07	10874579
428.1999	649715.7	-66.5131	30.44946	7418878	-1.7E+07	10871995
428.3999	649857.3	-66.5041	30.44123	7422219	-1.7E+07	10869407
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428.7999	650138.8	-66.4862	30.42475	7428910	-1.7E+07	10864222
428.9999	650278.6	-66.4772	30.4165	7432260	-1.7E+07	10861624
429.1999	650417.8	-66.4682	30.40824	7435613	-1.7E+07	10859022
429.3999	650556.3	-66.4592	30.39997	7438969	-1.7E+07	10856417
429.5999	650694.3	-66.4502	30.39169	7442328	-1.7E+07	10853808
429.7999	650831.6	-66.4412	30.3834	7445691	-1.7E+07	10851197
429.9999	650968.2	-66.4322	30.37511	7449056	-1.7E+07	10848581
430.1999	651104.2	-66.4231	30.3668	7452425	-1.7E+07	10845962
430.3999	651239.6	-66.4141	30.35849	7455796	-1.7E+07	10843340
430.5999	651374.3	-66.405	30.35017	7459171	-1.7E+07	10840714
430.7999	651508.4	-66.396	30.34183	7462548	-1.7E+07	10838085
430.9999	651641.8	-66.3869	30.33349	7465929	-1.7E+07	10835452
431.1999	651774.6	-66.3778	30.32514	7469313	-1.7E+07	10832816
431.3999	651906.7	-66.3688	30.31678	7472700	-1.7E+07	10830177
431.5999	652038.1	-66.3597	30.30842	7476090	-1.7E+07	10827534
431.7999	652168.8	-66.3506	30.30004	7479482	-1.7E+07	10824887
431.9999	652298.9	-66.3415	30.29166	7482878	-1.7E+07	10822237
432.1999	652428.3	-66.3324	30.28326	7486277	-1.7E+07	10819584
432.3999	652557	-66.3232	30.27486	7489679	-1.7E+07	10816927
432.5999	652685	-66.3141	30.26645	7493084	-1.7E+07	10814267
432.7999	652812.4	-66.305	30.25803	7496492	-1.7E+07	10811603
432.9999	652939	-66.2958	30.2496	7499902	-1.7E+07	10808936
433.1999	653064.9	-66.2867	30.24116	7503316	-1.7E+07	10806265
433.3999	653190.2	-66.2775	30.23272	7506733	-1.7E+07	10803591
433.5999	653314.7	-66.2683	30.22426	7510152	-1.7E+07	10800914
433.7999	653438.5	-66.2592	30.2158	7513575	-1.7E+07	10798233
433.9999	653561.6	-66.25	30.20733	7517000	-1.7E+07	10795548
434.1999	653684	-66.2408	30.19885	7520428	-1.7E+07	10792860
434.3999	653805.7	-66.2316	30.19036	7523860	-1.7E+07	10790169

434.5999	653926.6	-66.2224	30.18186	7527294	-1.7E+07	10787474
434.7999	654046.8	-66.2132	30.17335	7530731	-1.7E+07	10784776
434.9999	654166.3	-66.2039	30.16484	7534171	-1.7E+07	10782075
435.1999	654285	-66.1947	30.15631	7537613	-1.7E+07	10779370
435.3999	654403	-66.1855	30.14778	7541059	-1.7E+07	10776661
435.5999	654520.2	-66.1762	30.13924	7544508	-1.7E+07	10773949
435.7999	654636.8	-66.167	30.13069	7547959	-1.7E+07	10771234
435.9999	654752.5	-66.1577	30.12213	7551413	-1.7E+07	10768516
436.1999	654867.5	-66.1484	30.11356	7554870	-1.7E+07	10765793
436.3999	654981.8	-66.1391	30.10499	7558330	-1.7E+07	10763068
436.5999	655095.3	-66.1299	30.0964	7561792	-1.7E+07	10760339
436.7999	655208.1	-66.1206	30.08781	7565258	-1.7E+07	10757607
436.9999	655320.1	-66.1113	30.07921	7568726	-1.7E+07	10754871
437.1999	655431.4	-66.102	30.0706	7572197	-1.7E+07	10752132
437.3999	655541.9	-66.0926	30.06198	7575670	-1.7E+07	10749389
437.5999	655651.6	-66.0833	30.05336	7579147	-1.7E+07	10746644
437.7999	655760.6	-66.074	30.04472	7582626	-1.7E+07	10743894
437.9999	655868.8	-66.0646	30.03608	7586108	-1.7E+07	10741142
438.1999	655976.3	-66.0553	30.02743	7589592	-1.7E+07	10738386
438.3999	656083	-66.046	30.01877	7593080	-1.7E+07	10735626
438.5999	656188.9	-66.0366	30.0101	7596570	-1.7E+07	10732863
438.7999	656294.1	-66.0272	30.00142	7600062	-1.7E+07	10730097
438.9999	656398.5	-66.0178	29.99274	7603558	-1.7E+07	10727328
439.1999	656502.1	-66.0085	29.98404	7607056	-1.7E+07	10724555
439.3999	656604.9	-65.9991	29.97534	7610556	-1.7E+07	10721779
439.5999	656707	-65.9897	29.96663	7614060	-1.7E+07	10718999
439.7999	656808.4	-65.9803	29.95791	7617566	-1.7E+07	10716217
439.9999	656908.9	-65.9709	29.94919	7621074	-1.7E+07	10713430
440.1999	657008.7	-65.9614	29.94045	7624585	-1.7E+07	10710641
440.3999	657107.7	-65.952	29.93171	7628099	-1.7E+07	10707848
440.5999	657205.9	-65.9426	29.92296	7631616	-1.7E+07	10705052
440.7999	657303.3	-65.9332	29.9142	7635135	-1.7E+07	10702253
440.9999	657400	-65.9237	29.90543	7638656	-1.7E+07	10699450
441.1999	657495.9	-65.9143	29.89666	7642180	-1.7E+07	10696644
441.3999	657591	-65.9048	29.88788	7645707	-1.7E+07	10693834
441.5999	657685.3	-65.8953	29.87909	7649236	-1.7E+07	10691022
441.7999	657778.9	-65.8859	29.87029	7652768	-1.7E+07	10688206
441.9999	657871.7	-65.8764	29.86148	7656302	-1.7E+07	10685387
442.1999	657963.6	-65.8669	29.85266	7659839	-1.7E+07	10682564
442.3999	658054.8	-65.8574	29.84384	7663378	-1.7E+07	10679738
442.5999	658145.2	-65.8479	29.83501	7666920	-1.7E+07	10676909
442.7999	658234.9	-65.8384	29.82617	7670464	-1.7E+07	10674077
442.9999	658323.7	-65.8289	29.81732	7674010	-1.7E+07	10671242
443.1999	658411.8	-65.8193	29.80847	7677559	-1.7E+07	10668403
443.3999	658499	-65.8098	29.7996	7681111	-1.7E+07	10665561
443.5999	658585.5	-65.8003	29.79073	7684665	-1.7E+07	10662716
443.7999	658671.2	-65.7907	29.78185	7688221	-1.7E+07	10659867

443.9999	658756.1	-65.7812	29.77297	7691780	-1.7E+07	10657016
444.1999	658840.2	-65.7716	29.76407	7695341	-1.7E+07	10654161
444.3999	658923.5	-65.7621	29.75517	7698904	-1.7E+07	10651303
444.5999	659006	-65.7525	29.74626	7702470	-1.7E+07	10648442
444.7999	659087.7	-65.7429	29.73734	7706038	-1.7E+07	10645577
444.9999	659168.7	-65.7334	29.72842	7709609	-1.7E+07	10642709
445.1999	659248.8	-65.7238	29.71948	7713181	-1.7E+07	10639839
445.3999	659328.1	-65.7142	29.71054	7716756	-1.7E+07	10636965
445.5999	659406.7	-65.7046	29.70159	7720334	-1.7E+07	10634087
445.7999	659484.4	-65.695	29.69264	7723914	-1.7E+07	10631207
445.9999	659561.4	-65.6854	29.68367	7727496	-1.7E+07	10628324
446.1999	659637.5	-65.6758	29.6747	7731080	-1.7E+07	10625437
446.3999	659712.9	-65.6661	29.66572	7734666	-1.7E+07	10622547
446.5999	659787.4	-65.6565	29.65674	7738255	-1.7E+07	10619654
446.7999	659861.1	-65.6469	29.64774	7741846	-1.7E+07	10616758
446.9999	659934.1	-65.6372	29.63874	7745439	-1.7E+07	10613859
447.1999	660006.2	-65.6276	29.62973	7749034	-1.7E+07	10610957
447.3999	660077.5	-65.6179	29.62072	7752632	-1.7E+07	10608051
447.5999	660148.1	-65.6083	29.61169	7756231	-1.7E+07	10605143
447.7999	660217.8	-65.5986	29.60266	7759833	-1.7E+07	10602231
447.9999	660286.7	-65.5889	29.59362	7763437	-1.7E+07	10599317
448.1999	660354.8	-65.5793	29.58458	7767043	-1.7E+07	10596399
448.3999	660422.1	-65.5696	29.57552	7770651	-1.7E+07	10593478
448.5999	660488.6	-65.5599	29.56646	7774261	-1.7E+07	10590554
448.7999	660554.4	-65.5502	29.5574	7777874	-1.7E+07	10587628
448.9999	660619.3	-65.5405	29.54832	7781488	-1.7E+07	10584698
449.1999	660683.4	-65.5308	29.53924	7785105	-1.7E+07	10581765
449.3999	660746.7	-65.5211	29.53015	7788723	-1.7E+07	10578829
449.5999	660809.2	-65.5114	29.52105	7792344	-1.7E+07	10575890
449.7999	660870.9	-65.5016	29.51195	7795966	-1.7E+07	10572948
449.9999	660931.8	-65.4919	29.50284	7799591	-1.7E+07	10570003
450.1999	660991.9	-65.4822	29.49372	7803218	-1.7E+07	10567055
450.3999	661051.2	-65.4724	29.48459	7806846	-1.7E+07	10564104
450.5999	661109.7	-65.4627	29.47546	7810477	-1.7E+07	10561150
450.7999	661167.5	-65.453	29.46632	7814109	-1.7E+07	10558193
450.9999	661224.4	-65.4432	29.45718	7817744	-1.7E+07	10555233
451.1999	661280.6	-65.4334	29.44802	7821380	-1.7E+07	10552270
451.3999	661335.9	-65.4237	29.43886	7825018	-1.7E+07	10549304
451.5999	661390.5	-65.4139	29.4297	7828658	-1.7E+07	10546336
451.7999	661444.3	-65.4041	29.42052	7832300	-1.7E+07	10543364
451.9999	661497.2	-65.3944	29.41134	7835944	-1.7E+07	10540389
452.1999	661549.4	-65.3846	29.40215	7839590	-1.7E+07	10537412
452.3999	661600.9	-65.3748	29.39296	7843238	-1.7E+07	10534432
452.5999	661651.5	-65.365	29.38376	7846887	-1.7E+07	10531449
452.7999	661701.3	-65.3552	29.37455	7850538	-1.7E+07	10528463
452.9999	661750.4	-65.3454	29.36534	7854191	-1.7E+07	10525474
453.1999	661798.7	-65.3356	29.35611	7857846	-1.7E+07	10522482

453.3999	661846.2	-65.3258	29.34689	7861503	-1.7E+07	10519487
453.5999	661893	-65.3159	29.33765	7865161	-1.7E+07	10516490
453.7999	661938.9	-65.3061	29.32841	7868821	-1.7E+07	10513490
453.9999	661984.2	-65.2963	29.31916	7872483	-1.7E+07	10510487
454.1999	662028.6	-65.2865	29.30991	7876146	-1.7E+07	10507481
454.3999	662072.2	-65.2766	29.30065	7879812	-1.7E+07	10504472
454.5999	662115.1	-65.2668	29.29138	7883479	-1.7E+07	10501461
454.7999	662157.2	-65.2569	29.28211	7887147	-1.7E+07	10498447
454.9999	662198.6	-65.2471	29.27283	7890817	-1.7E+07	10495430
455.1999	662239.1	-65.2372	29.26354	7894489	-1.7E+07	10492410
455.3999	662278.8	-65.2274	29.25425	7898162	-1.7E+07	10489388
455.5999	662317.8	-65.2175	29.24495	7901837	-1.7E+07	10486363
455.7999	662355.9	-65.2076	29.23565	7905514	-1.7E+07	10483335
455.9999	662393.3	-65.1978	29.22633	7909192	-1.7E+07	10480304
456.1999	662429.9	-65.1879	29.21702	7912872	-1.7E+07	10477271
456.3999	662465.7	-65.178	29.20769	7916553	-1.7E+07	10474235
456.5999	662500.6	-65.1681	29.19836	7920236	-1.7E+07	10471197
456.7999	662534.8	-65.1582	29.18903	7923920	-1.7E+07	10468156
456.9999	662568.2	-65.1484	29.17969	7927606	-1.7E+07	10465112
457.1999	662600.8	-65.1385	29.17034	7931293	-1.7E+07	10462065
457.3999	662632.6	-65.1286	29.16099	7934981	-1.7E+07	10459016
457.5999	662663.7	-65.1187	29.15163	7938671	-1.7E+07	10455964
457.7999	662693.9	-65.1087	29.14226	7942363	-1.7E+07	10452910
457.9999	662723.4	-65.0988	29.13289	7946056	-1.7E+07	10449853
458.1999	662752.1	-65.0889	29.12351	7949750	-1.7E+07	10446793
458.3999	662780	-65.079	29.11413	7953446	-1.7E+07	10443731
458.5999	662807.2	-65.0691	29.10474	7957143	-1.7E+07	10440667
458.7999	662833.6	-65.0591	29.09534	7960841	-1.7E+07	10437599
458.9999	662859.3	-65.0492	29.08594	7964541	-1.7E+07	10434530
459.1999	662884.2	-65.0393	29.07654	7968242	-1.7E+07	10431458
459.3999	662908.4	-65.0293	29.06713	7971944	-1.7E+07	10428383
459.5999	662931.8	-65.0194	29.05771	7975648	-1.7E+07	10425306
459.7999	662954.5	-65.0095	29.04829	7979353	-1.7E+07	10422226
459.9999	662976.6	-64.9995	29.03886	7983059	-1.7E+07	10419144
460.1999	662997.8	-64.9896	29.02942	7986766	-1.7E+07	10416059
460.3999	663018.4	-64.9796	29.01998	7990475	-1.7E+07	10412972
460.5999	663038.3	-64.9696	29.01054	7994185	-1.7E+07	10409883
460.7999	663057.5	-64.9597	29.00109	7997896	-1.7E+07	10406791
460.9999	663076	-64.9497	28.99163	8001608	-1.7E+07	10403697
461.1999	663093.9	-64.9398	28.98217	8005322	-1.7E+07	10400600
461.3999	663111	-64.9298	28.9727	8009037	-1.7E+07	10397501
461.5999	663127.5	-64.9198	28.96323	8012753	-1.7E+07	10394400
461.7999	663143.3	-64.9098	28.95376	8016470	-1.7E+07	10391297
461.9999	663158.5	-64.8998	28.94427	8020188	-1.7E+07	10388191
462.1999	663173	-64.8899	28.93479	8023907	-1.7E+07	10385083
462.3999	663186.9	-64.8799	28.92529	8027628	-1.7E+07	10381972
462.5999	663200.1	-64.8699	28.9158	8031350	-1.7E+07	10378859

462.7999	663212.7	-64.8599	28.90629	8035072	-1.7E+07	10375744
462.9999	663224.7	-64.8499	28.89679	8038796	-1.7E+07	10372627
463.1999	663236	-64.8399	28.88727	8042521	-1.7E+07	10369507
463.3999	663246.8	-64.8299	28.87775	8046247	-1.7E+07	10366386
463.5999	663256.9	-64.8199	28.86823	8049974	-1.7E+07	10363262
463.7999	663266.4	-64.8099	28.8587	8053702	-1.7E+07	10360136
463.9999	663275.4	-64.7999	28.84917	8057431	-1.7E+07	10357007
464.1999	663283.7	-64.7899	28.83963	8061161	-1.7E+07	10353877
464.3999	663291.5	-64.7799	28.83009	8064892	-1.7E+07	10350744
464.5999	663298.7	-64.7699	28.82054	8068624	-1.7E+07	10347609
464.7999	663305.4	-64.7598	28.81099	8072357	-1.7E+07	10344473
464.9999	663311.4	-64.7498	28.80144	8076091	-1.7E+07	10341334
465.1999	663317	-64.7398	28.79187	8079825	-1.7E+07	10338192
465.3999	663322	-64.7298	28.78231	8083561	-1.7E+07	10335049
465.5999	663326.4	-64.7197	28.77274	8087298	-1.7E+07	10331904
465.7999	663330.3	-64.7097	28.76316	8091035	-1.7E+07	10328757
465.9999	663333.7	-64.6997	28.75358	8094774	-1.7E+07	10325608
466.1999	663336.7	-64.6896	28.744	8098513	-1.7E+07	10322456
466.3999	663339.1	-64.6796	28.73441	8102253	-1.7E+07	10319303
466.5999	663341.1	-64.6696	28.72482	8105994	-1.7E+07	10316148
466.7999	663342.6	-64.6595	28.71522	8109735	-1.7E+07	10312991
466.9999	663343.7	-64.6495	28.70562	8113477	-1.7E+07	10309833
467.1999	663344.3	-64.6394	28.69602	8117220	-1.7E+07	10306673
467.3999	663344.6	-64.6294	28.68641	8120963	-1.7E+07	10303510
467.5999	663344.5	-64.6194	28.6768	8124707	-1.7E+07	10300347
467.7999	663344	-64.6093	28.66718	8128452	-1.7E+07	10297181
467.9999	663343.1	-64.5993	28.65757	8132197	-1.7E+07	10294014
468.1999	663341.8	-64.5892	28.64794	8135942	-1.7E+07	10290845
468.3999	663340.3	-64.5792	28.63832	8139688	-1.7E+07	10287675
468.5999	663338.4	-64.5691	28.62869	8143434	-1.7E+07	10284503
468.7999	663336.1	-64.5591	28.61906	8147181	-1.7E+07	10281330
468.9999	663333.6	-64.549	28.60942	8150928	-1.7E+07	10278155
469.1999	663330.7	-64.539	28.59978	8154675	-1.7E+07	10274979
469.3999	663327.6	-64.5289	28.59014	8158423	-1.7E+07	10271801
469.5999	663324.2	-64.5189	28.5805	8162171	-1.7E+07	10268622
469.7999	663320.5	-64.5088	28.57085	8165919	-1.7E+07	10265442
469.9999	663316.5	-64.4988	28.5612	8169667	-1.7E+07	10262260
470.1999	663312.3	-64.4887	28.55155	8173416	-1.7E+07	10259077
470.3999	663307.9	-64.4787	28.54189	8177165	-1.7E+07	10255892
470.5999	663303.2	-64.4686	28.53223	8180914	-1.7E+07	10252706
470.7999	663298.4	-64.4586	28.52257	8184663	-1.7E+07	10249519
470.9999	663293.3	-64.4485	28.51291	8188412	-1.7E+07	10246331
471.1999	663288	-64.4385	28.50324	8192161	-1.7E+07	10243142
471.3999	663282.5	-64.4284	28.49357	8195911	-1.7E+07	10239951
471.5999	663276.8	-64.4184	28.4839	8199660	-1.7E+07	10236760
471.7999	663271	-64.4083	28.47423	8203409	-1.7E+07	10233567
471.9999	663265	-64.3983	28.46455	8207159	-1.7E+07	10230373

472.1999	663258.8	-64.3882	28.45488	8210908	-1.7E+07	10227178
472.3999	663252.5	-64.3782	28.4452	8214657	-1.7E+07	10223982
472.5999	663246	-64.3681	28.43552	8218407	-1.7E+07	10220785
472.7999	663239.5	-64.3581	28.42583	8222156	-1.7E+07	10217588
472.9999	663232.8	-64.348	28.41615	8225905	-1.7E+07	10214389
473.1999	663226	-64.338	28.40646	8229654	-1.7E+07	10211189
473.3999	663219.1	-64.3279	28.39677	8233402	-1.7E+07	10207988
473.5999	663212.1	-64.3179	28.38708	8237151	-1.7E+07	10204787
473.7999	663205	-64.3079	28.37739	8240899	-1.7E+07	10201584
473.9999	663197.8	-64.2978	28.3677	8244647	-1.7E+07	10198381
474.1999	663190.5	-64.2878	28.358	8248395	-1.7E+07	10195177
474.3999	663183.2	-64.2777	28.34831	8252143	-1.7E+07	10191972
474.5999	663175.8	-64.2677	28.33861	8255890	-1.7E+07	10188766
474.7999	663168.4	-64.2577	28.32891	8259637	-1.7E+07	10185560
474.9999	663160.9	-64.2476	28.31921	8263384	-1.7E+07	10182353
475.1999	663153.3	-64.2376	28.30951	8267130	-1.7E+07	10179145
475.3999	663145.7	-64.2276	28.2998	8270876	-1.7E+07	10175936
475.5999	663138.1	-64.2175	28.2901	8274622	-1.7E+07	10172727
475.7999	663130.4	-64.2075	28.28039	8278368	-1.7E+07	10169517
475.9999	663122.7	-64.1975	28.27069	8282113	-1.7E+07	10166306
476.1999	663115	-64.1875	28.26098	8285857	-1.7E+07	10163094
476.3999	663107.3	-64.1775	28.25127	8289602	-1.7E+07	10159882
476.5999	663099.5	-64.1674	28.24156	8293346	-1.7E+07	10156669
476.7999	663091.7	-64.1574	28.23185	8297089	-1.7E+07	10153456
476.9999	663083.9	-64.1474	28.22214	8300833	-1.7E+07	10150242
477.1999	663076.1	-64.1374	28.21242	8304575	-1.7E+07	10147027
477.3999	663068.2	-64.1274	28.20271	8308318	-1.7E+07	10143811
477.5999	663060.4	-64.1174	28.19299	8312060	-1.7E+07	10140595
477.7999	663052.5	-64.1073	28.18328	8315801	-1.7E+07	10137379
477.9999	663044.7	-64.0973	28.17356	8319543	-1.7E+07	10134161
478.1999	663036.8	-64.0873	28.16384	8323283	-1.7E+07	10130944
478.3999	663028.9	-64.0773	28.15412	8327024	-1.7E+07	10127725
478.5999	663021.1	-64.0673	28.1444	8330763	-1.7E+07	10124506
478.7999	663013.2	-64.0573	28.13468	8334503	-1.7E+07	10121286
478.9999	663005.3	-64.0473	28.12496	8338242	-1.7E+07	10118066
479.1999	662997.5	-64.0373	28.11523	8341980	-1.7E+07	10114845
479.2899	662993.9	-64.0328	28.11086	8343662	-1.7E+07	10113395
479.3999	662989.6	-64.0273	28.10551	8345718	-1.7E+07	10111624
479.5999	662981.7	-64.0173	28.09578	8349456	-1.7E+07	10108402
479.7999	662973.9	-64.0074	28.08606	8353193	-1.7E+07	10105179
479.9999	662966	-63.9974	28.07633	8356930	-1.7E+07	10101956
480.1999	662958.2	-63.9874	28.0666	8360666	-1.7E+07	10098732
480.3999	662950.3	-63.9774	28.05687	8364402	-1.7E+07	10095507
480.5999	662942.5	-63.9674	28.04714	8368137	-1.7E+07	10092282
480.7999	662934.6	-63.9574	28.03741	8371872	-1.7E+07	10089057
480.9999	662926.8	-63.9475	28.02768	8375606	-1.7E+07	10085831
481.1999	662919	-63.9375	28.01795	8379340	-1.7E+07	10082604

481.3999	662911.2	-63.9275	28.00822	8383074	-1.7E+07	10079377
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481.7999	662895.6	-63.9076	27.98875	8390539	-1.7E+07	10072920
481.9999	662887.7	-63.8976	27.97901	8394272	-1.7E+07	10069691
482.1999	662880	-63.8876	27.96927	8398003	-1.7E+07	10066462
482.3999	662872.2	-63.8776	27.95954	8401734	-1.7E+07	10063231
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482.7999	662856.6	-63.8577	27.94006	8409195	-1.7E+07	10056769
482.9999	662848.8	-63.8478	27.93032	8412925	-1.7E+07	10053537
483.1999	662841.1	-63.8378	27.92058	8416655	-1.7E+07	10050305
483.3999	662833.3	-63.8278	27.91084	8420383	-1.7E+07	10047072
483.5999	662825.5	-63.8179	27.90109	8424112	-1.7E+07	10043838
483.7999	662817.8	-63.8079	27.89135	8427840	-1.7E+07	10040604
483.9999	662810.1	-63.798	27.8816	8431567	-1.7E+07	10037369
484.1999	662802.3	-63.788	27.87186	8435294	-1.7E+07	10034134
484.3999	662794.6	-63.7781	27.86211	8439021	-1.7E+07	10030898
484.5999	662786.9	-63.7681	27.85236	8442747	-1.7E+07	10027661
484.7999	662779.2	-63.7582	27.84262	8446473	-1.7E+07	10024424
484.9999	662771.4	-63.7483	27.83287	8450198	-1.7E+07	10021186
485.1999	662763.7	-63.7383	27.82312	8453923	-1.7E+07	10017948
485.3999	662756.1	-63.7284	27.81336	8457647	-1.7E+07	10014709
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485.7999	662740.7	-63.7085	27.79386	8465094	-1.7E+07	10008230
485.9999	662733	-63.6986	27.78411	8468817	-1.7E+07	10004989
486.1999	662725.3	-63.6887	27.77435	8472539	-1.7E+07	10001748
486.3999	662717.7	-63.6787	27.7646	8476261	-1.7E+07	9998507
486.5999	662710	-63.6688	27.75484	8479982	-1.7E+07	9995264
486.7999	662702.4	-63.6589	27.74508	8483703	-1.7E+07	9992022
486.9999	662694.7	-63.649	27.73533	8487424	-1.7E+07	9988778
487.1999	662687.1	-63.639	27.72557	8491144	-1.7E+07	9985534
487.3999	662679.5	-63.6291	27.71581	8494863	-1.7E+07	9982290
487.5999	662671.9	-63.6192	27.70605	8498583	-1.7E+07	9979045
487.7999	662664.3	-63.6093	27.69628	8502301	-1.7E+07	9975799
487.9999	662656.7	-63.5994	27.68652	8506019	-1.7E+07	9972553
488.1999	662649.1	-63.5895	27.67676	8509737	-1.7E+07	9969306
488.3999	662641.5	-63.5796	27.667	8513454	-1.7E+07	9966059
488.5999	662633.9	-63.5696	27.65723	8517171	-1.7E+07	9962811
488.7999	662626.3	-63.5597	27.64746	8520887	-1.7E+07	9959562
488.9999	662618.7	-63.5498	27.6377	8524603	-1.7E+07	9956313
489.1999	662611.2	-63.5399	27.62793	8528318	-1.7E+07	9953064
489.3999	662603.6	-63.53	27.61816	8532033	-1.7E+07	9949813
489.5999	662596.1	-63.5201	27.60839	8535747	-1.7E+07	9946563
489.7999	662588.5	-63.5102	27.59862	8539461	-1.7E+07	9943311
489.9999	662581	-63.5003	27.58885	8543175	-1.7E+07	9940059
490.1999	662573.5	-63.4905	27.57908	8546888	-1.7E+07	9936807
490.3999	662565.9	-63.4806	27.56931	8550600	-1.7E+07	9933554
490.5999	662558.4	-63.4707	27.55953	8554312	-1.7E+07	9930300

490.7999	662550.9	-63.4608	27.54976	8558024	-1.7E+07	9927046
490.9999	662543.4	-63.4509	27.53998	8561735	-1.7E+07	9923792
491.1999	662536	-63.441	27.53021	8565445	-1.7E+07	9920536
491.3999	662528.5	-63.4311	27.52043	8569156	-1.7E+07	9917280
491.5999	662521	-63.4213	27.51065	8572865	-1.7E+07	9914024
491.7999	662513.6	-63.4114	27.50088	8576574	-1.7E+07	9910767
491.9999	662506.1	-63.4015	27.4911	8580283	-1.7E+07	9907510
492.1999	662498.7	-63.3916	27.48132	8583991	-1.7E+07	9904251
492.3999	662491.2	-63.3818	27.47153	8587699	-1.7E+07	9900993
492.5999	662483.8	-63.3719	27.46175	8591406	-1.7E+07	9897734
492.7999	662476.4	-63.362	27.45197	8595113	-1.7E+07	9894474
492.9999	662469	-63.3522	27.44219	8598819	-1.7E+07	9891214
493.1999	662461.6	-63.3423	27.4324	8602525	-1.7E+07	9887953
493.3999	662454.2	-63.3324	27.42262	8606230	-1.7E+07	9884691
493.5999	662446.8	-63.3226	27.41283	8609935	-1.7E+07	9881429
493.7999	662439.4	-63.3127	27.40304	8613640	-1.7E+07	9878167
493.9999	662432.1	-63.3029	27.39325	8617344	-1.7E+07	9874903
494.1999	662424.7	-63.293	27.38346	8621047	-1.7E+07	9871640
494.3999	662417.4	-63.2831	27.37368	8624750	-1.7E+07	9868375
494.5999	662410	-63.2733	27.36388	8628452	-1.7E+07	9865111
494.7999	662402.7	-63.2634	27.35409	8632155	-1.7E+07	9861845
494.9999	662395.4	-63.2536	27.3443	8635856	-1.7E+07	9858579
495.1999	662388.1	-63.2438	27.33451	8639557	-1.7E+07	9855313
495.3999	662380.8	-63.2339	27.32471	8643258	-1.7E+07	9852046
495.5999	662373.5	-63.2241	27.31492	8646958	-1.7E+07	9848778
495.7999	662366.2	-63.2142	27.30512	8650657	-1.7E+07	9845510
495.9999	662358.9	-63.2044	27.29533	8654356	-1.7E+07	9842241
496.1999	662351.6	-63.1946	27.28553	8658055	-1.7E+07	9838972
496.3999	662344.4	-63.1847	27.27573	8661753	-1.7E+07	9835702
496.5999	662337.1	-63.1749	27.26593	8665451	-1.7E+07	9832432
496.7999	662329.9	-63.1651	27.25613	8669148	-1.7E+07	9829161
496.9999	662322.6	-63.1552	27.24633	8672845	-1.7E+07	9825889
497.1999	662315.4	-63.1454	27.23653	8676541	-1.7E+07	9822617
497.3999	662308.2	-63.1356	27.22673	8680237	-1.7E+07	9819344
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497.7999	662293.8	-63.1159	27.20712	8687627	-1.7E+07	9812798
497.9999	662286.6	-63.1061	27.19732	8691321	-1.7E+07	9809523
498.1999	662279.4	-63.0963	27.18751	8695015	-1.7E+07	9806248
498.3999	662272.3	-63.0865	27.1777	8698709	-1.7E+07	9802973
498.5999	662265.1	-63.0767	27.1679	8702402	-1.7E+07	9799697
498.7999	662257.9	-63.0669	27.15809	8706094	-1.7E+07	9796420
498.9999	662250.8	-63.057	27.14828	8709786	-1.7E+07	9793143
499.1999	662243.7	-63.0472	27.13847	8713477	-1.7E+07	9789866
499.3999	662236.5	-63.0374	27.12866	8717168	-1.7E+07	9786588
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499.7999	662222.3	-63.0178	27.10903	8724549	-1.7E+07	9780029
499.9999	662215.2	-63.008	27.09922	8728238	-1.7E+07	9776750

500.1999	662208.1	-62.9982	27.08941	8731927	-1.7E+07	9773469
500.3999	662201.1	-62.9884	27.07959	8735616	-1.7E+07	9770188
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500.7999	662186.9	-62.9688	27.05996	8742991	-1.7E+07	9763625
500.9999	662179.9	-62.959	27.05014	8746678	-1.7E+07	9760342
501.1999	662172.8	-62.9492	27.04032	8750365	-1.7E+07	9757059
501.3999	662165.8	-62.9395	27.03051	8754051	-1.7E+07	9753775
501.5999	662158.8	-62.9297	27.02069	8757737	-1.7E+07	9750491
501.7999	662151.8	-62.9199	27.01087	8761422	-1.7E+07	9747206
501.9999	662144.8	-62.9101	27.00104	8765107	-1.7E+07	9743921
502.1999	662137.8	-62.9003	26.99122	8768791	-1.7E+07	9740635
502.3999	662130.8	-62.8905	26.9814	8772474	-1.7E+07	9737348
502.5999	662123.8	-62.8808	26.97157	8776158	-1.7E+07	9734061
502.7999	662116.9	-62.871	26.96175	8779840	-1.7E+07	9730774
502.9999	662109.9	-62.8612	26.95192	8783523	-1.7E+07	9727485
503.1999	662102.9	-62.8514	26.9421	8787204	-1.7E+07	9724197
503.3999	662096	-62.8417	26.93227	8790886	-1.7E+07	9720907
503.5999	662089.1	-62.8319	26.92244	8794566	-1.7E+07	9717618
503.7999	662082.2	-62.8221	26.91261	8798247	-1.7E+07	9714327
503.9999	662075.3	-62.8124	26.90278	8801926	-1.7E+07	9711036
504.1999	662068.4	-62.8026	26.89295	8805606	-1.7E+07	9707745
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504.7999	662047.7	-62.7733	26.86346	8816641	-1.7E+07	9697867
504.9999	662040.9	-62.7636	26.85362	8820318	-1.7E+07	9694574
505.1999	662034	-62.7538	26.84379	8823995	-1.7E+07	9691280
505.3999	662027.2	-62.7441	26.83395	8827671	-1.7E+07	9687985
505.5999	662020.3	-62.7343	26.82412	8831347	-1.7E+07	9684690
505.7999	662013.5	-62.7246	26.81428	8835023	-1.7E+07	9681394
505.9999	662006.7	-62.7148	26.80444	8838697	-1.7E+07	9678097
506.1999	661999.9	-62.7051	26.7946	8842372	-1.7E+07	9674800
506.3999	661993.1	-62.6953	26.78476	8846046	-1.7E+07	9671503
506.5999	661986.3	-62.6856	26.77492	8849719	-1.7E+07	9668205
506.7999	661979.5	-62.6759	26.76508	8853392	-1.7E+07	9664906
506.9999	661972.8	-62.6661	26.75524	8857065	-1.7E+07	9661607
507.1999	661966	-62.6564	26.7454	8860737	-1.7E+07	9658308
507.2899	661963	-62.652	26.74097	8862389	-1.7E+07	9656823
507.3399	661961.3	-62.6496	26.73851	8863307	-1.7E+07	9655997
507.3999	661959.3	-62.6467	26.73555	8864408	-1.7E+07	9655007
507.5399	661954.5	-62.6398	26.72866	8866978	-1.7E+07	9652697
507.5999	661952.5	-62.6369	26.72571	8868079	-1.7E+07	9651707
507.7999	661945.8	-62.6272	26.71586	8871749	-1.7E+07	9648405
507.9999	661939.1	-62.6175	26.70602	8875419	-1.7E+07	9645103
508.1999	661932.4	-62.6077	26.69617	8879089	-1.7E+07	9641801
508.3999	661925.7	-62.598	26.68632	8882758	-1.7E+07	9638498
508.5999	661919	-62.5883	26.67647	8886427	-1.7E+07	9635195
508.7999	661912.3	-62.5786	26.66663	8890095	-1.7E+07	9631891

508.9999	661905.7	-62.5689	26.65678	8893762	-1.7E+07	9628586
509.1999	661899	-62.5591	26.64692	8897429	-1.7E+07	9625281
509.3999	661892.3	-62.5494	26.63707	8901096	-1.7E+07	9621975
509.5999	661885.7	-62.5397	26.62722	8904762	-1.7E+07	9618669
509.7999	661879.1	-62.53	26.61737	8908427	-1.7E+07	9615362
509.9999	661872.5	-62.5203	26.60751	8912092	-1.7E+07	9612055
510.1999	661865.9	-62.5106	26.59766	8915757	-1.7E+07	9608747
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510.7999	661846.1	-62.4815	26.56809	8926748	-1.7E+07	9598820
510.9999	661839.5	-62.4718	26.55823	8930410	-1.7E+07	9595510
511.1999	661833	-62.4621	26.54837	8934072	-1.7E+07	9592200
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511.5999	661819.9	-62.4427	26.52865	8941395	-1.7E+07	9585577
511.7999	661813.4	-62.433	26.51879	8945056	-1.7E+07	9582265
511.9999	661806.8	-62.4233	26.50893	8948716	-1.7E+07	9578952
512.1999	661800.3	-62.4136	26.49907	8952376	-1.7E+07	9575639
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512.7999	661780.9	-62.3845	26.46947	8963351	-1.7E+07	9565696
512.9999	661774.4	-62.3748	26.45961	8967009	-1.7E+07	9562381
513.1999	661767.9	-62.3652	26.44974	8970666	-1.7E+07	9559065
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513.5999	661755	-62.3458	26.43	8977979	-1.7E+07	9552431
513.7999	661748.6	-62.3361	26.42013	8981635	-1.7E+07	9549114
513.9999	661742.2	-62.3264	26.41026	8985290	-1.7E+07	9545795
514.1999	661735.8	-62.3168	26.40039	8988945	-1.7E+07	9542477
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514.5999	661723	-62.2974	26.38065	8996252	-1.7E+07	9535838
514.7999	661716.6	-62.2878	26.37078	8999906	-1.7E+07	9532518
514.9999	661710.3	-62.2781	26.3609	9003558	-1.7E+07	9529197
515.1999	661703.9	-62.2684	26.35103	9007210	-1.7E+07	9525875
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515.7999	661684.9	-62.2395	26.3214	9018164	-1.7E+07	9515908
515.9999	661678.6	-62.2298	26.31152	9021814	-1.7E+07	9512585
516.1999	661672.3	-62.2201	26.30164	9025464	-1.7E+07	9509261
516.3999	661666	-62.2105	26.29176	9029113	-1.7E+07	9505936
516.5999	661659.7	-62.2008	26.28188	9032762	-1.7E+07	9502611
516.7999	661653.4	-62.1912	26.272	9036410	-1.7E+07	9499285
516.9999	661647.2	-62.1815	26.26212	9040058	-1.7E+07	9495959
517.1999	661640.9	-62.1719	26.25224	9043705	-1.7E+07	9492632
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517.7999	661622.2	-62.143	26.22258	9054643	-1.7E+07	9482649
517.9999	661616	-62.1333	26.2127	9058289	-1.7E+07	9479320
518.1999	661609.8	-62.1237	26.20281	9061933	-1.7E+07	9475991

518.3999	661603.6	-62.1141	26.19292	9065577	-1.7E+07	9472661
518.5999	661597.5	-62.1044	26.18303	9069221	-1.7E+07	9469330
518.7999	661591.3	-62.0948	26.17315	9072864	-1.7E+07	9465999
518.9999	661585.1	-62.0852	26.16326	9076507	-1.7E+07	9462668
519.1999	661579	-62.0755	26.15337	9080149	-1.7E+07	9459336
519.3999	661572.8	-62.0659	26.14347	9083791	-1.7E+07	9456003
519.5999	661566.7	-62.0563	26.13358	9087432	-1.7E+07	9452670
519.7999	661560.6	-62.0466	26.12369	9091073	-1.7E+07	9449336
519.9999	661554.5	-62.037	26.1138	9094713	-1.7E+07	9446002
520.1999	661548.4	-62.0274	26.1039	9098352	-1.7E+07	9442667
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520.7999	661530.2	-61.9986	26.07421	9109268	-1.7E+07	9432660
520.9999	661524.1	-61.9889	26.06432	9112906	-1.7E+07	9429323
521.1999	661518.1	-61.9793	26.05442	9116543	-1.7E+07	9425986
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521.5999	661506	-61.9601	26.03462	9123816	-1.7E+07	9419309
521.7999	661500	-61.9505	26.02472	9127452	-1.7E+07	9415970
521.9999	661494	-61.9409	26.01482	9131087	-1.7E+07	9412631
522.1999	661488	-61.9313	26.00491	9134721	-1.7E+07	9409291
522.3999	661482.1	-61.9217	25.99501	9138355	-1.7E+07	9405950
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522.7999	661470.1	-61.9025	25.9752	9145622	-1.7E+07	9399267
522.9999	661464.2	-61.8929	25.9653	9149255	-1.7E+07	9395925
523.1999	661458.2	-61.8833	25.95539	9152887	-1.7E+07	9392582
523.3999	661452.3	-61.8737	25.94548	9156518	-1.7E+07	9389239
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523.7999	661440.5	-61.8545	25.92567	9163780	-1.7E+07	9382551
523.9999	661434.6	-61.845	25.91576	9167410	-1.7E+07	9379206
524.1999	661428.7	-61.8354	25.90585	9171040	-1.7E+07	9375861
524.3999	661422.8	-61.8258	25.89594	9174669	-1.7E+07	9372515
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524.7999	661411.1	-61.8066	25.87612	9181925	-1.7E+07	9365822
524.9999	661405.3	-61.797	25.8662	9185553	-1.7E+07	9362474
525.1999	661399.4	-61.7875	25.85629	9189180	-1.7E+07	9359126
525.3999	661393.6	-61.7779	25.84637	9192806	-1.7E+07	9355778
525.5999	661387.8	-61.7683	25.83646	9196432	-1.7E+07	9352429
525.7999	661382	-61.7588	25.82654	9200058	-1.7E+07	9349079
525.9999	661376.2	-61.7492	25.81663	9203683	-1.7E+07	9345729
526.1999	661370.4	-61.7396	25.80671	9207307	-1.7E+07	9342378
526.3999	661364.6	-61.73	25.79679	9210931	-1.7E+07	9339027
526.5999	661358.9	-61.7205	25.78687	9214555	-1.7E+07	9335675
526.7999	661353.1	-61.7109	25.77695	9218178	-1.7E+07	9332323
526.9999	661347.4	-61.7014	25.76703	9221800	-1.7E+07	9328970
527.1999	661341.6	-61.6918	25.75711	9225422	-1.7E+07	9325617
527.3999	661335.9	-61.6822	25.74719	9229044	-1.7E+07	9322263
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527.7999	661324.5	-61.6631	25.72734	9236285	-1.7E+07	9315554
527.9999	661318.8	-61.6536	25.71742	9239905	-1.7E+07	9312199
528.1999	661313.2	-61.644	25.70749	9243524	-1.7E+07	9308843
528.3999	661307.5	-61.6345	25.69757	9247143	-1.7E+07	9305486
528.5999	661301.8	-61.6249	25.68764	9250761	-1.7E+07	9302129
528.7999	661296.2	-61.6154	25.67771	9254379	-1.7E+07	9298772
528.9999	661290.5	-61.6058	25.66778	9257997	-1.7E+07	9295414
529.1999	661284.9	-61.5963	25.65785	9261613	-1.7E+07	9292055
529.3999	661279.3	-61.5868	25.64792	9265230	-1.7E+07	9288696
529.5999	661273.7	-61.5772	25.63799	9268846	-1.7E+07	9285337
529.7999	661268.1	-61.5677	25.62806	9272461	-1.7E+07	9281977
529.9999	661262.5	-61.5581	25.61813	9276076	-1.7E+07	9278616
530.1999	661257	-61.5486	25.6082	9279690	-1.7E+07	9275255
530.3999	661251.4	-61.5391	25.59826	9283304	-1.7E+07	9271893
530.5999	661245.8	-61.5295	25.58833	9286917	-1.7E+07	9268531
530.7999	661240.3	-61.52	25.5784	9290530	-1.7E+07	9265168
530.9999	661234.8	-61.5105	25.56846	9294142	-1.7E+07	9261805
531.1999	661229.2	-61.501	25.55852	9297754	-1.7E+07	9258441
531.3999	661223.7	-61.4914	25.54859	9301365	-1.7E+07	9255077
531.5999	661218.2	-61.4819	25.53865	9304975	-1.7E+07	9251712
531.7999	661212.7	-61.4724	25.52871	9308586	-1.7E+07	9248347
531.9999	661207.3	-61.4629	25.51877	9312195	-1.7E+07	9244981
532.1999	661201.8	-61.4534	25.50883	9315804	-1.7E+07	9241614
532.3999	661196.3	-61.4439	25.49889	9319413	-1.7E+07	9238248
532.5999	661190.9	-61.4343	25.48895	9323021	-1.7E+07	9234880
532.7999	661185.5	-61.4248	25.479	9326629	-1.7E+07	9231512
532.9999	661180	-61.4153	25.46906	9330236	-1.7E+07	9228144
533.1999	661174.6	-61.4058	25.45912	9333842	-1.7E+07	9224775
533.3999	661169.2	-61.3963	25.44917	9337448	-1.7E+07	9221405
533.5999	661163.8	-61.3868	25.43923	9341054	-1.7E+07	9218035
533.7999	661158.4	-61.3773	25.42928	9344659	-1.7E+07	9214665
533.9999	661153	-61.3678	25.41933	9348263	-1.7E+07	9211294
534.1999	661147.7	-61.3583	25.40939	9351867	-1.7E+07	9207922
534.3999	661142.3	-61.3488	25.39944	9355471	-1.7E+07	9204550
534.5999	661137	-61.3393	25.38949	9359074	-1.7E+07	9201177
534.7999	661131.7	-61.3298	25.37954	9362676	-1.7E+07	9197804
534.9999	661126.3	-61.3203	25.36959	9366278	-1.7E+07	9194430
535.1999	661121	-61.3108	25.35964	9369880	-1.7E+07	9191056
535.3999	661115.7	-61.3013	25.34968	9373480	-1.7E+07	9187682
535.5999	661110.4	-61.2918	25.33973	9377081	-1.7E+07	9184306
535.7999	661105.2	-61.2824	25.32978	9380681	-1.7E+07	9180931
535.9999	661099.9	-61.2729	25.31982	9384280	-1.7E+07	9177554
536.1999	661094.6	-61.2634	25.30987	9387879	-1.7E+07	9174178
536.3999	661089.4	-61.2539	25.29991	9391477	-1.7E+07	9170800
536.5999	661084.1	-61.2444	25.28995	9395075	-1.7E+07	9167422
536.7999	661078.9	-61.2349	25.28	9398672	-1.7E+07	9164044
536.9999	661073.7	-61.2255	25.27004	9402269	-1.7E+07	9160665

537.1999	661068.5	-61.216	25.26008	9405865	-1.7E+07	9157286
537.3999	661063.3	-61.2065	25.25012	9409461	-1.7E+07	9153906
537.5999	661058.1	-61.1971	25.24016	9413056	-1.7E+07	9150526
537.7999	661052.9	-61.1876	25.2302	9416651	-1.7E+07	9147145
537.9999	661047.8	-61.1781	25.22024	9420245	-1.7E+07	9143763
538.1999	661042.6	-61.1686	25.21028	9423838	-1.7E+07	9140381
538.3999	661037.5	-61.1592	25.20031	9427431	-1.7E+07	9136999
538.5999	661032.3	-61.1497	25.19035	9431024	-1.7E+07	9133616
538.7999	661027.2	-61.1403	25.18038	9434616	-1.7E+07	9130232
538.9999	661022.1	-61.1308	25.17042	9438208	-1.7E+07	9126848
539.1999	661017	-61.1213	25.16045	9441799	-1.7E+07	9123464
539.3999	661011.9	-61.1119	25.15048	9445389	-1.7E+07	9120079
539.5999	661006.8	-61.1024	25.14052	9448979	-1.7E+07	9116693
539.7999	661001.8	-61.093	25.13055	9452569	-1.7E+07	9113307
539.9999	660996.7	-61.0835	25.12058	9456158	-1.7E+07	9109921
540.1999	660991.7	-61.0741	25.11061	9459746	-1.7E+07	9106534
540.3999	660986.6	-61.0646	25.10064	9463334	-1.7E+07	9103146
540.5999	660981.6	-61.0552	25.09067	9466921	-1.7E+07	9099758
540.7999	660976.6	-61.0457	25.0807	9470508	-1.7E+07	9096369
540.9999	660971.6	-61.0363	25.07072	9474094	-1.7E+07	9092980
541.1999	660966.6	-61.0269	25.06075	9477680	-1.7E+07	9089591
541.3999	660961.6	-61.0174	25.05078	9481265	-1.7E+07	9086200
541.5999	660956.6	-61.008	25.0408	9484850	-1.7E+07	9082810
541.7999	660951.7	-60.9985	25.03082	9488434	-1.7E+07	9079418
541.9999	660946.7	-60.9891	25.02085	9492018	-1.7E+07	9076027
542.1999	660941.8	-60.9797	25.01087	9495601	-1.7E+07	9072635
542.3999	660936.9	-60.9702	25.00089	9499184	-1.7E+07	9069242
542.5999	660931.9	-60.9608	24.99091	9502766	-1.7E+07	9065849
542.7999	660927	-60.9514	24.98094	9506348	-1.7E+07	9062455
542.9999	660922.1	-60.942	24.97096	9509929	-1.7E+07	9059061
543.1999	660917.2	-60.9325	24.96097	9513509	-1.7E+07	9055666
543.3999	660912.4	-60.9231	24.95099	9517089	-1.7E+07	9052271
543.5999	660907.5	-60.9137	24.94101	9520669	-1.7E+07	9048875
543.7999	660902.6	-60.9043	24.93103	9524248	-1.7E+07	9045478
543.9999	660897.8	-60.8948	24.92104	9527826	-1.7E+07	9042082
544.1999	660893	-60.8854	24.91106	9531404	-1.7E+07	9038684
544.3999	660888.1	-60.876	24.90108	9534982	-1.7E+07	9035287
544.5999	660883.3	-60.8666	24.89109	9538559	-1.7E+07	9031888
544.7999	660878.5	-60.8572	24.8811	9542135	-1.7E+07	9028489
544.9999	660873.7	-60.8478	24.87112	9545711	-1.7E+07	9025090
545.1999	660869	-60.8384	24.86113	9549286	-1.7E+07	9021690
545.3999	660864.2	-60.829	24.85114	9552861	-1.7E+07	9018290
545.5999	660859.4	-60.8196	24.84115	9556435	-1.7E+07	9014889
545.7999	660854.7	-60.8102	24.83116	9560009	-1.7E+07	9011487
545.9999	660849.9	-60.8008	24.82117	9563582	-1.7E+07	9008086
546.1999	660845.2	-60.7914	24.81118	9567155	-1.7E+07	9004683
546.3999	660840.5	-60.782	24.80118	9570727	-1.7E+07	9001280

546.5999	660835.8	-60.7726	24.79119	9574298	-1.7E+07	8997877
546.7999	660831.1	-60.7632	24.7812	9577870	-1.7E+07	8994473
546.9999	660826.4	-60.7538	24.7712	9581440	-1.7E+07	8991068
547.1999	660821.7	-60.7444	24.76121	9585010	-1.7E+07	8987664
547.3999	660817.1	-60.735	24.75121	9588580	-1.7E+07	8984258
547.5999	660812.4	-60.7256	24.74122	9592149	-1.7E+07	8980852
547.7999	660807.8	-60.7162	24.73122	9595717	-1.7E+07	8977446
547.9999	660803.1	-60.7068	24.72122	9599285	-1.7E+07	8974039
548.1999	660798.5	-60.6974	24.71122	9602852	-1.7E+07	8970631
548.3999	660793.9	-60.6881	24.70122	9606419	-1.7E+07	8967223
548.5999	660789.3	-60.6787	24.69122	9609986	-1.7E+07	8963815
548.7999	660784.7	-60.6693	24.68122	9613551	-1.7E+07	8960406
548.9999	660780.1	-60.6599	24.67122	9617117	-1.7E+07	8956996
549.1999	660775.6	-60.6505	24.66122	9620681	-1.7E+07	8953586
549.3999	660771	-60.6412	24.65121	9624246	-1.7E+07	8950176
549.5999	660766.5	-60.6318	24.64121	9627809	-1.7E+07	8946765
549.7999	660761.9	-60.6224	24.63121	9631372	-1.7E+07	8943353
549.9999	660757.4	-60.6131	24.6212	9634935	-1.7E+07	8939941
550.1999	660752.9	-60.6037	24.6112	9638497	-1.7E+07	8936529
550.3999	660748.4	-60.5943	24.60119	9642059	-1.7E+07	8933116
550.5999	660743.9	-60.585	24.59118	9645620	-1.7E+07	8929702
550.7999	660739.4	-60.5756	24.58117	9649180	-1.7E+07	8926288
550.9999	660734.9	-60.5662	24.57117	9652740	-1.7E+07	8922874
551.1999	660730.5	-60.5569	24.56116	9656300	-1.7E+07	8919459
551.3999	660726	-60.5475	24.55115	9659859	-1.7E+07	8916043
551.5999	660721.6	-60.5382	24.54114	9663417	-1.7E+07	8912627
551.7999	660717.2	-60.5288	24.53112	9666975	-1.7E+07	8909210
551.9999	660712.7	-60.5194	24.52111	9670532	-1.7E+07	8905793
552.1999	660708.3	-60.5101	24.5111	9674089	-1.7E+07	8902376
552.3999	660703.9	-60.5007	24.50109	9677645	-1.7E+07	8898958
552.5999	660699.5	-60.4914	24.49107	9681201	-1.7E+07	8895539
552.7999	660695.2	-60.4821	24.48106	9684756	-1.7E+07	8892120
552.9999	660690.8	-60.4727	24.47104	9688311	-1.7E+07	8888701
553.1999	660686.5	-60.4634	24.46102	9691865	-1.7E+07	8885280
553.3999	660682.1	-60.454	24.45101	9695418	-1.7E+07	8881860
553.5999	660677.8	-60.4447	24.44099	9698971	-1.7E+07	8878439
553.7999	660673.5	-60.4353	24.43097	9702524	-1.7E+07	8875017
553.9999	660669.1	-60.426	24.42095	9706076	-1.7E+07	8871595
554.1999	660664.8	-60.4167	24.41093	9709627	-1.7E+07	8868173
554.3999	660660.6	-60.4073	24.40091	9713178	-1.7E+07	8864750
554.5999	660656.3	-60.398	24.39089	9716729	-1.7E+07	8861326
554.7999	660652	-60.3887	24.38087	9720278	-1.7E+07	8857902
554.9999	660647.7	-60.3793	24.37085	9723828	-1.7E+07	8854477
555.1999	660643.5	-60.37	24.36082	9727376	-1.7E+07	8851052
555.3999	660639.3	-60.3607	24.3508	9730925	-1.7E+07	8847627
555.5999	660635	-60.3514	24.34077	9734472	-1.7E+07	8844201
555.7999	660630.8	-60.342	24.33075	9738020	-1.7E+07	8840774

555.9999	660626.6	-60.3327	24.32072	9741566	-1.7E+07	8837347
556.1999	660622.4	-60.3234	24.31069	9745112	-1.7E+07	8833920
556.3999	660618.3	-60.3141	24.30067	9748658	-1.7E+07	8830491
556.5999	660614.1	-60.3048	24.29064	9752203	-1.7E+07	8827063
556.7999	660609.9	-60.2955	24.28061	9755747	-1.7E+07	8823634
556.9999	660605.8	-60.2861	24.27058	9759291	-1.7E+07	8820204
557.1999	660601.6	-60.2768	24.26055	9762835	-1.7E+07	8816774
557.3999	660597.5	-60.2675	24.25052	9766378	-1.7E+07	8813344
557.5999	660593.4	-60.2582	24.24049	9769920	-1.7E+07	8809913
557.7999	660589.3	-60.2489	24.23045	9773462	-1.7E+07	8806481
557.9999	660585.2	-60.2396	24.22042	9777003	-1.7E+07	8803049
558.1999	660581.1	-60.2303	24.21039	9780544	-1.7E+07	8799617
558.3999	660577	-60.221	24.20035	9784084	-1.7E+07	8796184
558.5999	660573	-60.2117	24.19032	9787623	-1.7E+07	8792750
558.7999	660568.9	-60.2024	24.18028	9791163	-1.7E+07	8789316
558.9999	660564.9	-60.1931	24.17025	9794701	-1.7E+07	8785882
559.1999	660560.8	-60.1838	24.16021	9798239	-1.7E+07	8782447
559.3999	660556.8	-60.1745	24.15017	9801777	-1.7E+07	8779011
559.5999	660552.8	-60.1652	24.14013	9805314	-1.7E+07	8775575
559.7999	660548.8	-60.1559	24.13009	9808850	-1.7E+07	8772139
559.9999	660544.8	-60.1466	24.12005	9812386	-1.7E+07	8768702
560.1999	660540.8	-60.1373	24.11001	9815921	-1.7E+07	8765264
560.3999	660536.9	-60.1281	24.09997	9819456	-1.7E+07	8761826
560.5999	660532.9	-60.1188	24.08993	9822990	-1.7E+07	8758388
560.7999	660529	-60.1095	24.07989	9826524	-1.7E+07	8754949
560.9999	660525	-60.1002	24.06984	9830057	-1.7E+07	8751509
561.1999	660521.1	-60.0909	24.0598	9833590	-1.7E+07	8748069
561.3999	660517.2	-60.0816	24.04975	9837122	-1.7E+07	8744629
561.5999	660513.3	-60.0724	24.03971	9840653	-1.7E+07	8741188
561.7999	660509.4	-60.0631	24.02966	9844184	-1.7E+07	8737747
561.9999	660505.5	-60.0538	24.01962	9847715	-1.7E+07	8734305
562.1999	660501.7	-60.0445	24.00957	9851245	-1.7E+07	8730862
562.3999	660497.8	-60.0353	23.99952	9854774	-1.7E+07	8727419
562.5999	660494	-60.026	23.98947	9858303	-1.7E+07	8723976
562.7999	660490.1	-60.0167	23.97942	9861831	-1.7E+07	8720532
562.9999	660486.3	-60.0075	23.96937	9865359	-1.7E+07	8717088
563.1999	660482.5	-59.9982	23.95932	9868886	-1.7E+07	8713643
563.3999	660478.7	-59.9889	23.94927	9872413	-1.7E+07	8710197
563.5999	660474.9	-59.9797	23.93922	9875939	-1.7E+07	8706752
563.7999	660471.1	-59.9704	23.92916	9879465	-1.7E+07	8703305
563.9999	660467.3	-59.9612	23.91911	9882990	-1.7E+07	8699858
564.1999	660463.6	-59.9519	23.90906	9886514	-1.7E+07	8696411
564.3999	660459.8	-59.9427	23.899	9890038	-1.7E+07	8692963
564.5999	660456.1	-59.9334	23.88895	9893562	-1.7E+07	8689515
564.7999	660452.4	-59.9241	23.87889	9897085	-1.7E+07	8686066
564.9999	660448.6	-59.9149	23.86883	9900607	-1.7E+07	8682617
565.1999	660444.9	-59.9056	23.85877	9904129	-1.7E+07	8679167

565.3999	660441.2	-59.8964	23.84872	9907650	-1.7E+07	8675717
565.5999	660437.6	-59.8872	23.83866	9911171	-1.7E+07	8672266
565.7999	660433.9	-59.8779	23.8286	9914691	-1.7E+07	8668815
565.9999	660430.2	-59.8687	23.81854	9918210	-1.7E+07	8665363
566.1999	660426.6	-59.8594	23.80848	9921729	-1.7E+07	8661911
566.3999	660422.9	-59.8502	23.79841	9925248	-1.7E+07	8658458
566.5999	660419.3	-59.8409	23.78835	9928766	-1.7E+07	8655005
566.7999	660415.7	-59.8317	23.77829	9932283	-1.7E+07	8651551
566.9999	660412.1	-59.8225	23.76823	9935800	-1.7E+07	8648097
567.1999	660408.5	-59.8132	23.75816	9939317	-1.7E+07	8644642
567.3999	660404.9	-59.804	23.7481	9942832	-1.7E+07	8641187
567.5999	660401.3	-59.7948	23.73803	9946348	-1.7E+07	8637732
567.7999	660397.7	-59.7856	23.72796	9949862	-1.7E+07	8634276
567.9999	660394.2	-59.7763	23.7179	9953376	-1.7E+07	8630819
568.1999	660390.6	-59.7671	23.70783	9956890	-1.7E+07	8627362
568.3999	660387.1	-59.7579	23.69776	9960403	-1.7E+07	8623904
568.5999	660383.6	-59.7487	23.68769	9963916	-1.7E+07	8620446
568.7999	660380.1	-59.7394	23.67762	9967428	-1.7E+07	8616988
568.9999	660376.6	-59.7302	23.66755	9970939	-1.7E+07	8613529
569.1999	660373.1	-59.721	23.65748	9974450	-1.7E+07	8610069
569.3999	660369.6	-59.7118	23.64741	9977960	-1.7E+07	8606609
569.5999	660366.1	-59.7026	23.63734	9981470	-1.7E+07	8603149
569.7999	660362.7	-59.6933	23.62726	9984979	-1.7E+07	8599688
569.9999	660359.2	-59.6841	23.61719	9988488	-1.7E+07	8596226
570.1999	660355.8	-59.6749	23.60711	9991996	-1.7E+07	8592764
570.3999	660352.4	-59.6657	23.59704	9995504	-1.7E+07	8589302
570.5999	660349	-59.6565	23.58696	9999011	-1.7E+07	8585839
570.7999	660345.6	-59.6473	23.57689	10002517	-1.7E+07	8582375
570.9999	660342.2	-59.6381	23.56681	10006023	-1.7E+07	8578912
571.1999	660338.8	-59.6289	23.55673	10009528	-1.7E+07	8575447
571.3999	660335.4	-59.6197	23.54665	10013033	-1.7E+07	8571982
571.5999	660332.1	-59.6105	23.53657	10016538	-1.7E+07	8568517
571.7999	660328.7	-59.6013	23.5265	10020041	-1.7E+07	8565051
571.9999	660325.4	-59.5921	23.51641	10023544	-1.7E+07	8561585
572.1999	660322.1	-59.5829	23.50633	10027047	-1.7E+07	8558118
572.3999	660318.7	-59.5737	23.49625	10030549	-1.7E+07	8554651
572.5999	660315.4	-59.5645	23.48617	10034051	-1.7E+07	8551183
572.7999	660312.1	-59.5553	23.47609	10037552	-1.7E+07	8547715
572.9999	660308.9	-59.5461	23.466	10041052	-1.7E+07	8544246
573.1999	660305.6	-59.5369	23.45592	10044552	-1.7E+07	8540777
573.3999	660302.3	-59.5278	23.44583	10048051	-1.7E+07	8537307
573.5999	660299.1	-59.5186	23.43575	10051550	-1.7E+07	8533837
573.7999	660295.8	-59.5094	23.42566	10055048	-1.7E+07	8530367
573.9999	660292.6	-59.5002	23.41557	10058546	-1.7E+07	8526895
574.1999	660289.4	-59.491	23.40549	10062043	-1.7E+07	8523424
574.3999	660286.2	-59.4819	23.3954	10065540	-1.7E+07	8519952
574.5999	660283	-59.4727	23.38531	10069036	-1.7E+07	8516479

574.7999	660279.8	-59.4635	23.37522	10072531	-1.7E+07	8513006
574.9999	660276.6	-59.4543	23.36513	10076026	-1.7E+07	8509533
575.1999	660273.5	-59.4452	23.35504	10079521	-1.7E+07	8506059
575.3999	660270.3	-59.436	23.34495	10083014	-1.7E+07	8502584
575.5999	660267.2	-59.4268	23.33486	10086508	-1.7E+07	8499109
575.7999	660264.1	-59.4176	23.32476	10090000	-1.7E+07	8495634
575.9999	660260.9	-59.4085	23.31467	10093493	-1.7E+07	8492158
576.1999	660257.8	-59.3993	23.30457	10096984	-1.7E+07	8488682
576.3999	660254.7	-59.3902	23.29448	10100475	-1.7E+07	8485205
576.5999	660251.7	-59.381	23.28438	10103966	-1.7E+07	8481727
576.7999	660248.6	-59.3718	23.27429	10107456	-1.7E+07	8478249
576.9999	660245.5	-59.3627	23.26419	10110945	-1.7E+07	8474771
577.1999	660242.5	-59.3535	23.25409	10114434	-1.7E+07	8471292
577.3999	660239.4	-59.3444	23.244	10117922	-1.7E+07	8467813
577.5999	660236.4	-59.3352	23.2339	10121410	-1.7E+07	8464333
577.7999	660233.4	-59.3261	23.2238	10124897	-1.7E+07	8460853
577.9999	660230.4	-59.3169	23.2137	10128384	-1.7E+07	8457372
578.1999	660227.4	-59.3077	23.2036	10131870	-1.7E+07	8453891
578.3999	660224.4	-59.2986	23.1935	10135355	-1.7E+07	8450410
578.5999	660221.4	-59.2895	23.18339	10138840	-1.7E+07	8446928
578.7999	660218.4	-59.2803	23.17329	10142325	-1.7E+07	8443445
578.9999	660215.5	-59.2712	23.16319	10145808	-1.7E+07	8439962
579.1999	660212.6	-59.262	23.15308	10149292	-1.7E+07	8436478
579.3999	660209.6	-59.2529	23.14298	10152774	-1.7E+07	8432994
579.5999	660206.7	-59.2437	23.13287	10156257	-1.7E+07	8429510
579.7999	660203.8	-59.2346	23.12277	10159738	-1.7E+07	8426025
579.9999	660200.9	-59.2255	23.11266	10163219	-1.7E+07	8422539
580.1999	660198	-59.2163	23.10256	10166700	-1.7E+07	8419053
580.3999	660195.1	-59.2072	23.09245	10170180	-1.7E+07	8415567
580.5999	660192.3	-59.1981	23.08234	10173659	-1.7E+07	8412080
580.7999	660189.4	-59.1889	23.07223	10177138	-1.7E+07	8408593
580.9999	660186.6	-59.1798	23.06212	10180616	-1.7E+07	8405105
581.1999	660183.7	-59.1707	23.05201	10184094	-1.7E+07	8401617
581.3999	660180.9	-59.1616	23.0419	10187571	-1.7E+07	8398128
581.5999	660178.1	-59.1524	23.03179	10191048	-1.7E+07	8394639
581.7999	660175.3	-59.1433	23.02168	10194524	-1.7E+07	8391149
581.9999	660172.5	-59.1342	23.01156	10197999	-1.7E+07	8387659
582.1999	660169.7	-59.1251	23.00145	10201474	-1.7E+07	8384168
582.3999	660167	-59.1159	22.99133	10204948	-1.7E+07	8380677
582.5999	660164.2	-59.1068	22.98122	10208422	-1.7E+07	8377185
582.7999	660161.5	-59.0977	22.9711	10211895	-1.7E+07	8373693
582.9999	660158.7	-59.0886	22.96099	10215368	-1.7E+07	8370201
583.1999	660156	-59.0795	22.95087	10218840	-1.7E+07	8366708
583.3999	660153.3	-59.0704	22.94075	10222312	-1.7E+07	8363214
583.5999	660150.6	-59.0613	22.93064	10225783	-1.7E+07	8359720
583.7999	660147.9	-59.0522	22.92052	10229253	-1.7E+07	8356226
583.9999	660145.3	-59.043	22.9104	10232723	-1.7E+07	8352731

584.1999	660142.6	-59.0339	22.90028	10236193	-1.7E+07	8349236
584.3999	660139.9	-59.0248	22.89016	10239661	-1.7E+07	8345740
584.5999	660137.3	-59.0157	22.88004	10243129	-1.7E+07	8342244
584.7999	660134.7	-59.0066	22.86991	10246597	-1.7E+07	8338747
584.9999	660132	-58.9975	22.85979	10250064	-1.7E+07	8335250
585.1999	660129.4	-58.9884	22.84967	10253531	-1.7E+07	8331752
585.3999	660126.8	-58.9793	22.83955	10256997	-1.7E+07	8328254
585.5999	660124.2	-58.9702	22.82942	10260462	-1.7E+07	8324755
585.7999	660121.7	-58.9612	22.8193	10263927	-1.7E+07	8321256
585.9999	660119.1	-58.9521	22.80917	10267391	-1.7E+07	8317756
586.1999	660116.5	-58.943	22.79904	10270855	-1.7E+07	8314256
586.3999	660114	-58.9339	22.78892	10274318	-1.7E+07	8310756
586.5999	660111.5	-58.9248	22.77879	10277781	-1.7E+07	8307255
586.7999	660108.9	-58.9157	22.76866	10281243	-1.7E+07	8303753
586.9999	660106.4	-58.9066	22.75853	10284704	-1.7E+07	8300251
587.1999	660103.9	-58.8975	22.7484	10288165	-1.7E+07	8296749
587.2899	660102.8	-58.8934	22.74385	10289722	-1.7E+07	8295173
587.3399	660102.2	-58.8912	22.74131	10290587	-1.7E+07	8294297
587.3999	660101.4	-58.8885	22.73827	10291625	-1.7E+07	8293246
587.5399	660099.7	-58.8821	22.73118	10294047	-1.7E+07	8290794
587.5999	660099	-58.8794	22.72814	10295085	-1.7E+07	8289743
587.7999	660096.5	-58.8703	22.71801	10298544	-1.7E+07	8286239
587.9999	660094	-58.8612	22.70788	10302003	-1.7E+07	8282734
588.1999	660091.6	-58.8521	22.69775	10305461	-1.7E+07	8279230
588.3999	660089.1	-58.8431	22.68761	10308919	-1.7E+07	8275725
588.5999	660086.7	-58.834	22.67748	10312375	-1.7E+07	8272219
588.7999	660084.3	-58.8249	22.66735	10315832	-1.7E+07	8268713
588.9999	660081.9	-58.8159	22.65721	10319288	-1.7E+07	8265206
589.1999	660079.5	-58.8068	22.64708	10322743	-1.7E+07	8261699
589.3999	660077.1	-58.7977	22.63694	10326198	-1.7E+07	8258191
589.5999	660074.8	-58.7886	22.6268	10329652	-1.7E+07	8254683
589.7999	660072.4	-58.7796	22.61667	10333105	-1.7E+07	8251175
589.9999	660070.1	-58.7705	22.60653	10336558	-1.7E+07	8247666
590.1999	660067.7	-58.7615	22.59639	10340011	-1.7E+07	8244157
590.3999	660065.4	-58.7524	22.58625	10343463	-1.7E+07	8240647
590.5999	660063.1	-58.7433	22.57611	10346914	-1.7E+07	8237136
590.7999	660060.8	-58.7343	22.56597	10350365	-1.7E+07	8233626
590.9999	660058.5	-58.7252	22.55583	10353815	-1.7E+07	8230114
591.1999	660056.2	-58.7162	22.54568	10357264	-1.7E+07	8226603
591.3999	660054	-58.7071	22.53554	10360713	-1.7E+07	8223091
591.5999	660051.7	-58.6981	22.5254	10364162	-1.7E+07	8219578
591.7999	660049.5	-58.689	22.51526	10367610	-1.7E+07	8216065
591.9999	660047.2	-58.68	22.50511	10371057	-1.7E+07	8212551
592.1999	660045	-58.6709	22.49497	10374504	-1.7E+07	8209037
592.3999	660042.8	-58.6619	22.48482	10377950	-1.7E+07	8205523
592.5999	660040.6	-58.6528	22.47467	10381396	-1.7E+07	8202008
592.7999	660038.4	-58.6438	22.46453	10384841	-1.7E+07	8198492

592.9999	660036.2	-58.6347	22.45438	10388285	-1.7E+07	8194976
593.1999	660034.1	-58.6257	22.44423	10391729	-1.7E+07	8191460
593.3999	660031.9	-58.6167	22.43408	10395173	-1.7E+07	8187943
593.5999	660029.8	-58.6076	22.42393	10398615	-1.7E+07	8184426
593.7999	660027.6	-58.5986	22.41378	10402058	-1.7E+07	8180908
593.9999	660025.5	-58.5896	22.40363	10405499	-1.7E+07	8177390
594.1999	660023.4	-58.5805	22.39348	10408940	-1.7E+07	8173871
594.3999	660021.3	-58.5715	22.38333	10412381	-1.7E+07	8170352
594.5999	660019.2	-58.5625	22.37318	10415821	-1.7E+07	8166833
594.7999	660017.1	-58.5534	22.36303	10419260	-1.7E+07	8163313
594.9999	660015.1	-58.5444	22.35287	10422699	-1.7E+07	8159792
595.1999	660013	-58.5354	22.34272	10426137	-1.7E+07	8156271
595.3999	660011	-58.5264	22.33256	10429575	-1.7E+07	8152750
595.5999	660008.9	-58.5173	22.32241	10433012	-1.7E+07	8149228
595.7999	660006.9	-58.5083	22.31225	10436449	-1.7E+07	8145706
595.9999	660004.9	-58.4993	22.30209	10439885	-1.7E+07	8142183
596.1999	660002.9	-58.4903	22.29194	10443320	-1.7E+07	8138660
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596.5999	659998.9	-58.4722	22.27162	10450189	-1.7E+07	8131612
596.7899	659997.1	-58.4637	22.26197	10453451	-1.7E+07	8128263
596.7999	659997	-58.4632	22.26146	10453623	-1.7E+07	8128087
596.9999	659995	-58.4542	22.2513	10457056	-1.7E+07	8124562
597.1999	659993.1	-58.4452	22.24114	10460488	-1.7E+07	8121036
597.2899	659992.2	-58.4412	22.23659	10462024	-1.7E+07	8119458
597.3999	659991.2	-58.4362	22.23101	10463912	-1.7E+07	8117519
597.5999	659989.2	-58.4272	22.22085	10467343	-1.7E+07	8113993
597.7999	659987.3	-58.4182	22.21068	10470773	-1.7E+07	8110466
597.9999	659985.4	-58.4092	22.20052	10474203	-1.7E+07	8106939
598.1999	659983.5	-58.4002	22.19036	10477633	-1.7E+07	8103411
598.3999	659981.7	-58.3912	22.1802	10481061	-1.7E+07	8099883
598.5999	659979.8	-58.3822	22.17003	10484490	-1.7E+07	8096355
598.7999	659977.9	-58.3732	22.15987	10487917	-1.7E+07	8092826
598.9999	659976.1	-58.3642	22.1497	10491345	-1.7E+07	8089297
599.1999	659974.3	-58.3552	22.13954	10494771	-1.7E+07	8085767
599.3999	659972.4	-58.3462	22.12937	10498197	-1.7E+07	8082236
599.5999	659970.6	-58.3372	22.1192	10501623	-1.7E+07	8078706
599.7999	659968.8	-58.3282	22.10904	10505047	-1.7E+07	8075174
599.9999	659967	-58.3192	22.09887	10508472	-1.7E+07	8071643
600.1999	659965.3	-58.3102	22.0887	10511895	-1.7E+07	8068111
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600.7999	659960	-58.2833	22.05819	10522163	-1.7E+07	8057511
600.9999	659958.2	-58.2743	22.04802	10525585	-1.7E+07	8053977
601.1999	659956.5	-58.2653	22.03785	10529005	-1.7E+07	8050443
601.3999	659954.8	-58.2563	22.02767	10532426	-1.7E+07	8046908
601.5999	659953.1	-58.2473	22.0175	10535845	-1.7E+07	8043373
601.7999	659951.4	-58.2384	22.00733	10539265	-1.7E+07	8039837

601.9999	659949.7	-58.2294	21.99715	10542683	-1.7E+07	8036301
602.1999	659948.1	-58.2204	21.98698	10546101	-1.7E+07	8032764
602.3999	659946.4	-58.2114	21.9768	10549519	-1.7E+07	8029227
602.5999	659944.8	-58.2025	21.96663	10552936	-1.7E+07	8025690
602.7999	659943.1	-58.1935	21.95645	10556352	-1.7E+07	8022152
602.9999	659941.5	-58.1845	21.94627	10559768	-1.7E+07	8018613
603.1999	659939.9	-58.1756	21.9361	10563183	-1.7E+07	8015074
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603.7999	659935.1	-58.1487	21.90556	10573425	-1.7E+07	8004455
603.9999	659933.5	-58.1397	21.89538	10576838	-1.7E+07	8000914
604.1999	659932	-58.1307	21.8852	10580250	-1.7E+07	7997373
604.3999	659930.4	-58.1218	21.87502	10583662	-1.7E+07	7993831
604.5999	659928.9	-58.1128	21.86484	10587073	-1.7E+07	7990289
604.7999	659927.3	-58.1038	21.85465	10590484	-1.7E+07	7986747
604.9999	659925.8	-58.0949	21.84447	10593894	-1.7E+07	7983204
605.1999	659924.3	-58.0859	21.83429	10597303	-1.7E+07	7979660
605.3999	659922.8	-58.077	21.8241	10600712	-1.7E+07	7976116
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605.7999	659919.9	-58.0591	21.80373	10607528	-1.7E+07	7969027
605.9999	659918.4	-58.0501	21.79355	10610935	-1.7E+07	7965482
606.1999	659917	-58.0412	21.78336	10614342	-1.7E+07	7961936
606.3999	659915.5	-58.0322	21.77317	10617748	-1.7E+07	7958390
606.5999	659914.1	-58.0233	21.76299	10621153	-1.7E+07	7954844
606.7999	659912.7	-58.0143	21.7528	10624558	-1.7E+07	7951297
606.9999	659911.3	-58.0054	21.74261	10627962	-1.7E+07	7947749
607.1999	659909.9	-57.9965	21.73242	10631366	-1.7E+07	7944201
607.2916	659909.2	-57.9924	21.72775	10632925	-1.7E+07	7942575
607.3999	659908.5	-57.9875	21.72223	10634769	-1.7E+07	7940653
607.5999	659907.1	-57.9786	21.71204	10638171	-1.7E+07	7937104
607.7999	659905.8	-57.9696	21.70185	10641573	-1.7E+07	7933555
607.9999	659904.4	-57.9607	21.69166	10644975	-1.7E+07	7930005
608.1999	659903.1	-57.9518	21.68146	10648375	-1.7E+07	7926455
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608.5999	659900.4	-57.9339	21.66108	10655175	-1.7E+07	7919353
608.7999	659899.1	-57.925	21.65088	10658574	-1.7E+07	7915802
608.9999	659897.8	-57.916	21.64069	10661973	-1.7E+07	7912250
609.1999	659896.5	-57.9071	21.63049	10665371	-1.7E+07	7908697
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609.5999	659894	-57.8893	21.6101	10672165	-1.7E+07	7901591
609.7999	659892.8	-57.8803	21.5999	10675561	-1.7E+07	7898038
609.9999	659891.5	-57.8714	21.58971	10678956	-1.7E+07	7894483
610.1999	659890.3	-57.8625	21.57951	10682351	-1.7E+07	7890929
610.3999	659889.1	-57.8536	21.56931	10685746	-1.7E+07	7887374
610.5999	659887.9	-57.8447	21.55911	10689140	-1.7E+07	7883818
610.7999	659886.7	-57.8357	21.54891	10692533	-1.7E+07	7880262
610.9999	659885.5	-57.8268	21.53871	10695926	-1.7E+07	7876706

611.1999	659884.3	-57.8179	21.52851	10699318	-1.7E+07	7873149
611.3999	659883.2	-57.809	21.5183	10702709	-1.7E+07	7869592
611.5999	659882	-57.8001	21.5081	10706100	-1.7E+07	7866034
611.7999	659880.9	-57.7912	21.4979	10709490	-1.7E+07	7862476
611.9999	659879.7	-57.7823	21.4877	10712880	-1.7E+07	7858917
612.1999	659878.6	-57.7734	21.47749	10716269	-1.7E+07	7855358
612.3999	659877.5	-57.7644	21.46729	10719658	-1.7E+07	7851799
612.5999	659876.4	-57.7555	21.45708	10723046	-1.7E+07	7848239
612.7999	659875.3	-57.7466	21.44688	10726433	-1.7E+07	7844679
612.9999	659874.3	-57.7377	21.43667	10729820	-1.7E+07	7841118
613.1999	659873.2	-57.7288	21.42646	10733207	-1.7E+07	7837557
613.3999	659872.2	-57.7199	21.41626	10736592	-1.7E+07	7833995
613.5999	659871.1	-57.711	21.40605	10739977	-1.7E+07	7830433
613.7999	659870.1	-57.7021	21.39584	10743362	-1.7E+07	7826870
613.9999	659869.1	-57.6932	21.38563	10746746	-1.7E+07	7823307
614.1999	659868.1	-57.6844	21.37542	10750129	-1.7E+07	7819744
614.3999	659867.1	-57.6755	21.36521	10753512	-1.7E+07	7816180
614.5999	659866.1	-57.6666	21.355	10756894	-1.7E+07	7812616
614.7999	659865.1	-57.6577	21.34479	10760276	-1.7E+07	7809051
614.9999	659864.2	-57.6488	21.33457	10763657	-1.7E+07	7805486
615.1999	659863.2	-57.6399	21.32436	10767037	-1.7E+07	7801920
615.3999	659862.3	-57.631	21.31415	10770417	-1.7E+07	7798354
615.5999	659861.4	-57.6221	21.30394	10773796	-1.7E+07	7794787
615.7999	659860.5	-57.6132	21.29372	10777175	-1.7E+07	7791220
615.9999	659859.6	-57.6044	21.28351	10780553	-1.7E+07	7787653
616.1999	659858.7	-57.5955	21.27329	10783931	-1.7E+07	7784085
616.3999	659857.9	-57.5866	21.26307	10787308	-1.7E+07	7780517
616.5999	659857	-57.5777	21.25286	10790684	-1.7E+07	7776948
616.7999	659856.2	-57.5688	21.24264	10794060	-1.7E+07	7773379
616.9999	659855.3	-57.56	21.23242	10797435	-1.7E+07	7769809
617.1999	659854.5	-57.5511	21.2222	10800810	-1.7E+07	7766239
617.3999	659853.7	-57.5422	21.21198	10804184	-1.7E+07	7762669
617.5999	659852.9	-57.5333	21.20176	10807558	-1.7E+07	7759098
617.7999	659852.1	-57.5245	21.19154	10810930	-1.7E+07	7755526
617.9999	659851.3	-57.5156	21.18132	10814303	-1.7E+07	7751955
618.1999	659850.6	-57.5067	21.1711	10817675	-1.7E+07	7748382
618.3999	659849.8	-57.4979	21.16088	10821046	-1.7E+07	7744810
618.5999	659849.1	-57.489	21.15066	10824416	-1.7E+07	7741237
618.7999	659848.3	-57.4801	21.14044	10827786	-1.7E+07	7737663
618.9999	659847.6	-57.4713	21.13021	10831156	-1.7E+07	7734089
619.1999	659846.9	-57.4624	21.11999	10834524	-1.7E+07	7730515
619.3999	659846.2	-57.4536	21.10976	10837893	-1.7E+07	7726940
619.5999	659845.5	-57.4447	21.09954	10841260	-1.7E+07	7723364
619.7999	659844.8	-57.4358	21.08931	10844627	-1.7E+07	7719789
619.9999	659844.2	-57.427	21.07909	10847994	-1.7E+07	7716213
620.1999	659843.5	-57.4181	21.06886	10851360	-1.7E+07	7712636
620.3999	659842.9	-57.4093	21.05863	10854725	-1.7E+07	7709059

620.5999	659842.2	-57.4004	21.0484	10858089	-1.7E+07	7705482
620.7999	659841.6	-57.3916	21.03817	10861454	-1.7E+07	7701904
620.9999	659841	-57.3827	21.02794	10864817	-1.7E+07	7698325
621.1999	659840.4	-57.3739	21.01772	10868180	-1.7E+07	7694747
621.3999	659839.8	-57.365	21.00749	10871542	-1.7E+07	7691167
621.5999	659839.2	-57.3562	20.99725	10874904	-1.7E+07	7687588
621.7999	659838.7	-57.3473	20.98702	10878265	-1.7E+07	7684008
621.9999	659838.1	-57.3385	20.97679	10881626	-1.7E+07	7680427
622.1999	659837.6	-57.3297	20.96656	10884986	-1.7E+07	7676846
622.3999	659837	-57.3208	20.95633	10888345	-1.7E+07	7673265
622.5999	659836.5	-57.312	20.94609	10891704	-1.7E+07	7669683
622.7999	659836	-57.3031	20.93586	10895062	-1.7E+07	7666101
622.9999	659835.5	-57.2943	20.92562	10898420	-1.7E+07	7662519
623.1999	659835	-57.2855	20.91539	10901777	-1.7E+07	7658935
623.3999	659834.5	-57.2766	20.90515	10905133	-1.7E+07	7655352
623.5999	659834.1	-57.2678	20.89492	10908489	-1.7E+07	7651768
623.7999	659833.6	-57.259	20.88468	10911844	-1.7E+07	7648184
623.9999	659833.2	-57.2501	20.87444	10915199	-1.7E+07	7644599
624.1999	659832.7	-57.2413	20.8642	10918553	-1.7E+07	7641014
624.3999	659832.3	-57.2325	20.85396	10921906	-1.7E+07	7637428
624.5999	659831.9	-57.2237	20.84373	10925259	-1.7E+07	7633842
624.7999	659831.5	-57.2148	20.83349	10928611	-1.7E+07	7630256
624.9999	659831.1	-57.206	20.82325	10931963	-1.7E+07	7626669
625.1999	659830.8	-57.1972	20.81301	10935314	-1.7E+07	7623081
625.3999	659830.4	-57.1884	20.80276	10938664	-1.7E+07	7619494
625.5999	659830	-57.1796	20.79252	10942014	-1.7E+07	7615906
625.7999	659829.7	-57.1707	20.78228	10945364	-1.7E+07	7612317
625.9999	659829.4	-57.1619	20.77204	10948712	-1.7E+07	7608728
626.1999	659829.1	-57.1531	20.76179	10952060	-1.7E+07	7605138
626.3999	659828.8	-57.1443	20.75155	10955408	-1.7E+07	7601549
626.5999	659828.5	-57.1355	20.7413	10958755	-1.7E+07	7597958
626.7999	659828.2	-57.1267	20.73106	10962101	-1.7E+07	7594367
626.9999	659827.9	-57.1179	20.72081	10965447	-1.7E+07	7590776
627.1999	659827.6	-57.109	20.71057	10968792	-1.7E+07	7587185
627.2899	659827.5	-57.1051	20.70596	10970297	-1.7E+07	7585568
627.3399	659827.5	-57.1029	20.7034	10971133	-1.7E+07	7584670
627.3999	659827.4	-57.1002	20.70032	10972137	-1.7E+07	7583593
627.5399	659827.2	-57.0941	20.69315	10974477	-1.7E+07	7581078
627.5999	659827.2	-57.0914	20.69007	10975481	-1.7E+07	7580000
627.7999	659826.9	-57.0826	20.67983	10978824	-1.7E+07	7576407
627.9999	659826.7	-57.0738	20.66958	10982167	-1.7E+07	7572814
628.1999	659826.5	-57.065	20.65933	10985509	-1.7E+07	7569220
628.3999	659826.3	-57.0562	20.64908	10988850	-1.7E+07	7565626
628.5999	659826.1	-57.0474	20.63883	10992191	-1.7E+07	7562032
628.7999	659826	-57.0386	20.62858	10995532	-1.7E+07	7558437
628.9999	659825.8	-57.0298	20.61833	10998871	-1.7E+07	7554841
629.1999	659825.7	-57.021	20.60808	11002211	-1.7E+07	7551245

629.3999	659825.5	-57.0122	20.59782	11005549	-1.7E+07	7547649
629.5999	659825.4	-57.0034	20.58757	11008887	-1.7E+07	7544053
629.7999	659825.3	-56.9946	20.57732	11012225	-1.7E+07	7540455
629.9999	659825.2	-56.9859	20.56706	11015561	-1.7E+07	7536858
630.1999	659825.1	-56.9771	20.55681	11018898	-1.7E+07	7533260
630.3999	659825	-56.9683	20.54656	11022233	-1.7E+07	7529662
630.5999	659825	-56.9595	20.5363	11025568	-1.7E+07	7526063
630.7999	659824.9	-56.9507	20.52604	11028903	-1.7E+07	7522464
630.9999	659824.9	-56.9419	20.51579	11032236	-1.7E+07	7518864
631.1999	659824.8	-56.9331	20.50553	11035569	-1.7E+07	7515264
631.3999	659824.8	-56.9243	20.49527	11038902	-1.7E+07	7511663
631.5999	659824.8	-56.9156	20.48501	11042234	-1.7E+07	7508063
631.7999	659824.8	-56.9068	20.47476	11045566	-1.7E+07	7504461
631.9999	659824.8	-56.898	20.4645	11048896	-1.7E+07	7500860
632.1999	659824.8	-56.8892	20.45424	11052227	-1.7E+07	7497257
632.3999	659824.9	-56.8805	20.44398	11055556	-1.7E+07	7493655
632.5999	659824.9	-56.8717	20.43372	11058885	-1.7E+07	7490052
632.7999	659825	-56.8629	20.42346	11062214	-1.7E+07	7486448
632.9999	659825.1	-56.8541	20.41319	11065541	-1.7E+07	7482845
633.1999	659825.1	-56.8454	20.40293	11068869	-1.7E+07	7479240
633.3999	659825.2	-56.8366	20.39267	11072195	-1.7E+07	7475636
633.5999	659825.3	-56.8278	20.3824	11075521	-1.7E+07	7472031
633.7999	659825.5	-56.8191	20.37214	11078847	-1.7E+07	7468425
633.9999	659825.6	-56.8103	20.36188	11082171	-1.7E+07	7464819
634.1999	659825.7	-56.8015	20.35161	11085496	-1.7E+07	7461213
634.3999	659825.9	-56.7928	20.34135	11088819	-1.7E+07	7457606
634.5999	659826	-56.784	20.33108	11092142	-1.7E+07	7453999
634.7999	659826.2	-56.7752	20.32081	11095465	-1.7E+07	7450391
634.9999	659826.4	-56.7665	20.31055	11098786	-1.7E+07	7446783
635.1999	659826.6	-56.7577	20.30028	11102108	-1.7E+07	7443175
635.3999	659826.8	-56.749	20.29001	11105428	-1.7E+07	7439566
635.5999	659827	-56.7402	20.27974	11108748	-1.7E+07	7435957
635.7999	659827.3	-56.7315	20.26947	11112068	-1.7E+07	7432347
635.9999	659827.5	-56.7227	20.2592	11115386	-1.7E+07	7428737
636.1999	659827.8	-56.714	20.24893	11118705	-1.7E+07	7425126
636.3999	659828.1	-56.7052	20.23866	11122022	-1.7E+07	7421515
636.5999	659828.3	-56.6965	20.22839	11125339	-1.7E+07	7417904
636.7999	659828.6	-56.6877	20.21812	11128656	-1.7E+07	7414292
636.9999	659828.9	-56.679	20.20785	11131971	-1.7E+07	7410680
637.1999	659829.3	-56.6702	20.19757	11135286	-1.7E+07	7407068
637.3999	659829.6	-56.6615	20.1873	11138601	-1.7E+07	7403455
637.5999	659829.9	-56.6527	20.17703	11141915	-1.7E+07	7399841
637.7999	659830.3	-56.644	20.16675	11145228	-1.7E+07	7396227
637.9999	659830.6	-56.6352	20.15648	11148541	-1.7E+07	7392613
638.1999	659831	-56.6265	20.1462	11151853	-1.7E+07	7388998
638.3999	659831.4	-56.6178	20.13593	11155165	-1.7E+07	7385383
638.5999	659831.8	-56.609	20.12565	11158476	-1.7E+07	7381768

638.7999	659832.2	-56.6003	20.11537	11161786	-1.7E+07	7378152
638.9999	659832.6	-56.5916	20.10509	11165096	-1.7E+07	7374536
639.1999	659833	-56.5828	20.09482	11168405	-1.7E+07	7370919
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639.7999	659834.4	-56.5566	20.06398	11178329	-1.7E+07	7360066
639.9999	659834.9	-56.5479	20.0537	11181635	-1.7E+07	7356448
640.1999	659835.4	-56.5392	20.04342	11184942	-1.7E+07	7352829
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640.9999	659837.4	-56.5043	20.00229	11198160	-1.7E+07	7338350
641.1999	659838	-56.4956	19.99201	11201463	-1.7E+07	7334729
641.3999	659838.5	-56.4868	19.98172	11204765	-1.7E+07	7331108
641.5999	659839.1	-56.4781	19.97144	11208067	-1.7E+07	7327486
641.7999	659839.7	-56.4694	19.96115	11211369	-1.7E+07	7323864
641.9999	659840.3	-56.4607	19.95087	11214669	-1.7E+07	7320241
642.1999	659840.9	-56.452	19.94058	11217969	-1.7E+07	7316618
642.3999	659841.5	-56.4433	19.93029	11221269	-1.7E+07	7312995
642.5999	659842.1	-56.4346	19.92001	11224567	-1.7E+07	7309371
642.7999	659842.8	-56.4258	19.90972	11227866	-1.7E+07	7305747
642.9999	659843.4	-56.4171	19.89943	11231163	-1.7E+07	7302123
643.1999	659844.1	-56.4084	19.88914	11234460	-1.7E+07	7298498
643.3999	659844.8	-56.3997	19.87885	11237757	-1.7E+07	7294872
643.5999	659845.4	-56.391	19.86857	11241052	-1.7E+07	7291247
643.7999	659846.1	-56.3823	19.85828	11244348	-1.7E+07	7287620
643.9999	659846.8	-56.3736	19.84798	11247642	-1.7E+07	7283994
644.1999	659847.6	-56.3649	19.83769	11250936	-1.7E+07	7280367
644.3999	659848.3	-56.3562	19.8274	11254229	-1.7E+07	7276739
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644.7999	659849.8	-56.3388	19.80682	11260814	-1.7E+07	7269483
644.9999	659850.6	-56.3301	19.79652	11264106	-1.7E+07	7265855
645.1999	659851.4	-56.3214	19.78623	11267397	-1.7E+07	7262226
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645.7999	659853.8	-56.2953	19.75535	11277266	-1.7E+07	7251336
645.9999	659854.6	-56.2866	19.74505	11280554	-1.7E+07	7247705
646.1999	659855.4	-56.2779	19.73476	11283842	-1.7E+07	7244074
646.3999	659856.3	-56.2693	19.72446	11287129	-1.7E+07	7240443
646.5999	659857.1	-56.2606	19.71416	11290416	-1.7E+07	7236811
646.7999	659858	-56.2519	19.70386	11293702	-1.7E+07	7233179
646.9999	659858.9	-56.2432	19.69357	11296987	-1.7E+07	7229546
647.1999	659859.8	-56.2345	19.68327	11300272	-1.7E+07	7225913
647.3999	659860.7	-56.2258	19.67297	11303556	-1.7E+07	7222279
647.5999	659861.6	-56.2171	19.66267	11306840	-1.7E+07	7218646
647.7999	659862.5	-56.2085	19.65237	11310123	-1.7E+07	7215011
647.9999	659863.5	-56.1998	19.64207	11313405	-1.7E+07	7211377

648.1999	659864.4	-56.1911	19.63177	11316687	-1.7E+07	7207741
648.3999	659865.4	-56.1824	19.62146	11319968	-1.7E+07	7204106
648.5999	659866.4	-56.1738	19.61116	11323249	-1.7E+07	7200470
648.7999	659867.3	-56.1651	19.60086	11326529	-1.7E+07	7196834
648.9999	659868.3	-56.1564	19.59056	11329808	-1.7E+07	7193197
649.1999	659869.3	-56.1477	19.58025	11333086	-1.7E+07	7189560
649.3999	659870.4	-56.1391	19.56995	11336365	-1.7E+07	7185922
649.5999	659871.4	-56.1304	19.55964	11339642	-1.7E+07	7182284
649.7999	659872.4	-56.1217	19.54934	11342919	-1.7E+07	7178646
649.9999	659873.5	-56.1131	19.53903	11346195	-1.7E+07	7175007
650.1999	659874.6	-56.1044	19.52873	11349471	-1.7E+07	7171368
650.3999	659875.7	-56.0957	19.51842	11352746	-1.7E+07	7167728
650.5999	659876.7	-56.0871	19.50811	11356020	-1.7E+07	7164089
650.7999	659877.8	-56.0784	19.4978	11359294	-1.7E+07	7160448
650.9999	659879	-56.0697	19.4875	11362567	-1.7E+07	7156807
651.1999	659880.1	-56.0611	19.47719	11365839	-1.7E+07	7153166
651.3999	659881.2	-56.0524	19.46688	11369111	-1.7E+07	7149525
651.5999	659882.4	-56.0438	19.45657	11372383	-1.7E+07	7145883
651.7999	659883.5	-56.0351	19.44626	11375653	-1.7E+07	7142240
651.9999	659884.7	-56.0265	19.43595	11378923	-1.7E+07	7138598
652.1999	659885.9	-56.0178	19.42563	11382193	-1.7E+07	7134954
652.3999	659887.1	-56.0092	19.41532	11385462	-1.7E+07	7131311
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652.7999	659889.5	-55.9919	19.3947	11391997	-1.7E+07	7124023
652.9999	659890.8	-55.9832	19.38438	11395264	-1.7E+07	7120378
653.1999	659892	-55.9746	19.37407	11398531	-1.7E+07	7116733
653.3999	659893.3	-55.9659	19.36376	11401797	-1.7E+07	7113087
653.5999	659894.5	-55.9573	19.35344	11405062	-1.7E+07	7109441
653.7999	659895.8	-55.9486	19.34313	11408326	-1.7E+07	7105795
653.9999	659897.1	-55.94	19.33281	11411590	-1.7E+07	7102148
654.1999	659898.4	-55.9313	19.32249	11414853	-1.7E+07	7098501
654.3999	659899.7	-55.9227	19.31218	11418116	-1.7E+07	7094853
654.5999	659901	-55.9141	19.30186	11421378	-1.7E+07	7091205
654.7999	659902.4	-55.9054	19.29154	11424640	-1.7E+07	7087557
654.9999	659903.7	-55.8968	19.28122	11427900	-1.7E+07	7083908
655.1999	659905.1	-55.8881	19.27091	11431161	-1.7E+07	7080259
655.3999	659906.4	-55.8795	19.26059	11434420	-1.7E+07	7076610
655.5999	659907.8	-55.8709	19.25027	11437679	-1.7E+07	7072960
655.7999	659909.2	-55.8622	19.23995	11440938	-1.7E+07	7069309
655.9999	659910.6	-55.8536	19.22963	11444195	-1.7E+07	7065659
656.1999	659912.1	-55.845	19.2193	11447452	-1.7E+07	7062007
656.3999	659913.5	-55.8363	19.20898	11450709	-1.7E+07	7058356
656.5999	659914.9	-55.8277	19.19866	11453965	-1.7E+07	7054704
656.7999	659916.4	-55.8191	19.18834	11457220	-1.7E+07	7051052
656.9999	659917.8	-55.8105	19.17801	11460475	-1.7E+07	7047399
657.1999	659919.3	-55.8018	19.16769	11463729	-1.7E+07	7043746
657.3999	659920.8	-55.7932	19.15737	11466982	-1.7E+07	7040092

657.5999	659922.3	-55.7846	19.14704	11470235	-1.7E+07	7036439
657.7999	659923.8	-55.776	19.13672	11473487	-1.7E+07	7032784
657.9999	659925.4	-55.7674	19.12639	11476738	-1.7E+07	7029130
658.1999	659926.9	-55.7587	19.11607	11479989	-1.7E+07	7025475
658.3999	659928.4	-55.7501	19.10574	11483240	-1.7E+07	7021819
658.5999	659930	-55.7415	19.09541	11486489	-1.7E+07	7018163
658.7999	659931.6	-55.7329	19.08508	11489738	-1.7E+07	7014507
658.9999	659933.2	-55.7243	19.07476	11492987	-1.7E+07	7010850
659.1999	659934.7	-55.7157	19.06443	11496235	-1.7E+07	7007193
659.3999	659936.4	-55.7071	19.0541	11499482	-1.7E+07	7003536
659.5999	659938	-55.6984	19.04377	11502728	-1.7E+07	6999878
659.7999	659939.6	-55.6898	19.03344	11505974	-1.7E+07	6996220
659.9999	659941.2	-55.6812	19.02311	11509220	-1.7E+07	6992561
660.1999	659942.9	-55.6726	19.01278	11512464	-1.7E+07	6988902
660.3999	659944.6	-55.664	19.00245	11515708	-1.7E+07	6985243
660.5999	659946.2	-55.6554	18.99211	11518952	-1.7E+07	6981583
660.7999	659947.9	-55.6468	18.98178	11522195	-1.7E+07	6977923
660.9999	659949.6	-55.6382	18.97145	11525437	-1.7E+07	6974262
661.1999	659951.3	-55.6296	18.96112	11528679	-1.7E+07	6970601
661.3999	659953.1	-55.621	18.95078	11531920	-1.7E+07	6966940
661.5999	659954.8	-55.6124	18.94045	11535160	-1.7E+07	6963278
661.7999	659956.5	-55.6038	18.93011	11538400	-1.7E+07	6959616
661.9999	659958.3	-55.5952	18.91978	11541639	-1.7E+07	6955954
662.1999	659960.1	-55.5866	18.90944	11544877	-1.7E+07	6952291
662.3999	659961.9	-55.578	18.89911	11548115	-1.7E+07	6948627
662.5999	659963.6	-55.5694	18.88877	11551352	-1.7E+07	6944964
662.7999	659965.5	-55.5608	18.87843	11554589	-1.7E+07	6941300
662.9999	659967.3	-55.5522	18.86809	11557825	-1.7E+07	6937635
663.1999	659969.1	-55.5437	18.85776	11561060	-1.7E+07	6933970
663.3999	659970.9	-55.5351	18.84742	11564295	-1.7E+07	6930305
663.5999	659972.8	-55.5265	18.83708	11567529	-1.7E+07	6926639
663.7999	659974.7	-55.5179	18.82674	11570762	-1.7E+07	6922973
663.9999	659976.5	-55.5093	18.8164	11573995	-1.7E+07	6919307
664.1999	659978.4	-55.5007	18.80606	11577228	-1.7E+07	6915640
664.3999	659980.3	-55.4921	18.79572	11580459	-1.7E+07	6911973
664.5999	659982.2	-55.4836	18.78537	11583690	-1.7E+07	6908305
664.7999	659984.1	-55.475	18.77503	11586920	-1.7E+07	6904637
664.9999	659986.1	-55.4664	18.76469	11590150	-1.7E+07	6900969
665.1999	659988	-55.4578	18.75435	11593379	-1.7E+07	6897300
665.3999	659990	-55.4493	18.744	11596608	-1.7E+07	6893631
665.5999	659992	-55.4407	18.73366	11599836	-1.7E+07	6889962
665.7999	659993.9	-55.4321	18.72332	11603063	-1.7E+07	6886292
665.9999	659995.9	-55.4235	18.71297	11606289	-1.7E+07	6882622
666.1999	659997.9	-55.415	18.70263	11609515	-1.7E+07	6878951
666.3999	659999.9	-55.4064	18.69228	11612741	-1.7E+07	6875280
666.5999	660002	-55.3978	18.68193	11615965	-1.7E+07	6871608
666.7999	660004	-55.3892	18.67159	11619189	-1.7E+07	6867937

666.9999	660006.1	-55.3807	18.66124	11622413	-1.7E+07	6864264
667.1999	660008.1	-55.3721	18.65089	11625636	-1.7E+07	6860592
667.3999	660010.2	-55.3635	18.64054	11628858	-1.7E+07	6856919
667.5999	660012.3	-55.355	18.63019	11632080	-1.7E+07	6853245
667.7999	660014.4	-55.3464	18.61985	11635300	-1.7E+07	6849572
667.9999	660016.5	-55.3379	18.6095	11638521	-1.7E+07	6845897
668.1999	660018.6	-55.3293	18.59915	11641740	-1.7E+07	6842223
668.3999	660020.8	-55.3207	18.5888	11644960	-1.7E+07	6838548
668.5999	660022.9	-55.3122	18.57844	11648178	-1.7E+07	6834873
668.7999	660025.1	-55.3036	18.56809	11651396	-1.7E+07	6831197
668.9999	660027.2	-55.2951	18.55774	11654613	-1.7E+07	6827521
669.1999	660029.4	-55.2865	18.54739	11657829	-1.7E+07	6823845
669.3999	660031.6	-55.278	18.53704	11661045	-1.7E+07	6820168
669.5999	660033.8	-55.2694	18.52668	11664261	-1.7E+07	6816491
669.7999	660036	-55.2609	18.51633	11667475	-1.7E+07	6812813
669.9999	660038.2	-55.2523	18.50597	11670689	-1.7E+07	6809135
670.1999	660040.5	-55.2438	18.49562	11673903	-1.7E+07	6805457
670.3999	660042.7	-55.2352	18.48526	11677116	-1.7E+07	6801778
670.5999	660045	-55.2267	18.47491	11680328	-1.7E+07	6798099
670.7999	660047.3	-55.2181	18.46455	11683539	-1.7E+07	6794419
670.9999	660049.6	-55.2096	18.4542	11686750	-1.7E+07	6790740
671.1999	660051.9	-55.201	18.44384	11689960	-1.7E+07	6787059
671.3999	660054.2	-55.1925	18.43348	11693170	-1.7E+07	6783379
671.5999	660056.5	-55.1839	18.42312	11696379	-1.7E+07	6779698
671.7999	660058.8	-55.1754	18.41276	11699587	-1.7E+07	6776016
671.9999	660061.2	-55.1669	18.40241	11702795	-1.7E+07	6772335
672.1999	660063.5	-55.1583	18.39205	11706002	-1.7E+07	6768652
672.3999	660065.9	-55.1498	18.38169	11709209	-1.7E+07	6764970
672.5999	660068.3	-55.1412	18.37133	11712414	-1.7E+07	6761287
672.7999	660070.7	-55.1327	18.36097	11715620	-1.7E+07	6757604
672.9999	660073.1	-55.1242	18.3506	11718824	-1.7E+07	6753920
673.1999	660075.5	-55.1156	18.34024	11722028	-1.7E+07	6750236
673.3999	660077.9	-55.1071	18.32988	11725231	-1.7E+07	6746552
673.5999	660080.4	-55.0986	18.31952	11728434	-1.7E+07	6742867
673.7999	660082.8	-55.0901	18.30915	11731636	-1.7E+07	6739182
673.9999	660085.3	-55.0815	18.29879	11734838	-1.7E+07	6735496
674.1999	660087.7	-55.073	18.28843	11738038	-1.7E+07	6731810
674.3999	660090.2	-55.0645	18.27806	11741238	-1.7E+07	6728124
674.5999	660092.7	-55.0559	18.2677	11744438	-1.7E+07	6724437
674.7999	660095.2	-55.0474	18.25733	11747637	-1.7E+07	6720750
674.9999	660097.8	-55.0389	18.24697	11750835	-1.7E+07	6717063
675.1999	660100.3	-55.0304	18.2366	11754033	-1.7E+07	6713375
675.3999	660102.8	-55.0219	18.22623	11757230	-1.7E+07	6709686
675.5999	660105.4	-55.0133	18.21587	11760426	-1.7E+07	6705998
675.7999	660108	-55.0048	18.2055	11763622	-1.7E+07	6702309
675.9999	660110.5	-54.9963	18.19513	11766817	-1.7E+07	6698620
676.1999	660113.1	-54.9878	18.18476	11770011	-1.7E+07	6694930

676.3999	660115.7	-54.9793	18.17439	11773205	-1.7E+07	6691240
676.5999	660118.3	-54.9708	18.16402	11776398	-1.7E+07	6687549
676.7999	660121	-54.9622	18.15365	11779591	-1.7E+07	6683859
676.9999	660123.6	-54.9537	18.14328	11782783	-1.7E+07	6680167
677.1999	660126.3	-54.9452	18.13291	11785974	-1.7E+07	6676476
677.3999	660128.9	-54.9367	18.12254	11789164	-1.7E+07	6672784
677.5999	660131.6	-54.9282	18.11217	11792354	-1.7E+07	6669092
677.7999	660134.3	-54.9197	18.1018	11795544	-1.7E+07	6665399
677.9999	660137	-54.9112	18.09142	11798732	-1.7E+07	6661706
678.1999	660139.7	-54.9027	18.08105	11801921	-1.7E+07	6658012
678.3999	660142.4	-54.8942	18.07068	11805108	-1.7E+07	6654318
678.5999	660145.2	-54.8857	18.0603	11808295	-1.7E+07	6650624
678.7999	660147.9	-54.8772	18.04993	11811481	-1.7E+07	6646930
678.9999	660150.7	-54.8687	18.03955	11814666	-1.7E+07	6643235
679.1999	660153.4	-54.8602	18.02918	11817851	-1.7E+07	6639539
679.3999	660156.2	-54.8517	18.0188	11821036	-1.7E+07	6635844
679.5999	660159	-54.8432	18.00842	11824219	-1.7E+07	6632148
679.7999	660161.8	-54.8347	17.99805	11827402	-1.7E+07	6628451
679.9999	660164.6	-54.8262	17.98767	11830585	-1.7E+07	6624754
680.1999	660167.4	-54.8177	17.97729	11833766	-1.7E+07	6621057
680.3999	660170.3	-54.8092	17.96691	11836947	-1.7E+07	6617360
680.5999	660173.1	-54.8007	17.95654	11840128	-1.7E+07	6613662
680.7999	660176	-54.7922	17.94616	11843308	-1.7E+07	6609964
680.9999	660178.9	-54.7837	17.93578	11846487	-1.7E+07	6606265
681.1999	660181.8	-54.7752	17.9254	11849665	-1.7E+07	6602566
681.3999	660184.7	-54.7668	17.91502	11852843	-1.7E+07	6598866
681.5999	660187.6	-54.7583	17.90464	11856020	-1.7E+07	6595167
681.7999	660190.5	-54.7498	17.89425	11859197	-1.7E+07	6591467
681.9999	660193.4	-54.7413	17.88387	11862373	-1.7E+07	6587766
682.1999	660196.4	-54.7328	17.87349	11865548	-1.7E+07	6584065
682.3999	660199.3	-54.7243	17.86311	11868723	-1.7E+07	6580364
682.5999	660202.3	-54.7159	17.85272	11871897	-1.7E+07	6576662
682.7999	660205.3	-54.7074	17.84234	11875070	-1.7E+07	6572960
682.9999	660208.3	-54.6989	17.83196	11878243	-1.7E+07	6569258
683.1999	660211.3	-54.6904	17.82157	11881415	-1.7E+07	6565555
683.3999	660214.3	-54.6819	17.81119	11884587	-1.7E+07	6561852
683.5999	660217.3	-54.6735	17.8008	11887758	-1.7E+07	6558149
683.7999	660220.4	-54.665	17.79042	11890928	-1.7E+07	6554445
683.9999	660223.4	-54.6565	17.78003	11894097	-1.7E+07	6550741
684.1999	660226.5	-54.648	17.76964	11897266	-1.7E+07	6547036
684.3999	660229.5	-54.6396	17.75926	11900435	-1.7E+07	6543331
684.5999	660232.6	-54.6311	17.74887	11903602	-1.7E+07	6539626
684.7999	660235.7	-54.6226	17.73848	11906769	-1.7E+07	6535920
684.9999	660238.8	-54.6142	17.72809	11909936	-1.7E+07	6532214
685.1999	660242	-54.6057	17.7177	11913101	-1.7E+07	6528508
685.3999	660245.1	-54.5972	17.70731	11916266	-1.7E+07	6524801
685.5999	660248.2	-54.5888	17.69693	11919431	-1.7E+07	6521094

685.7999	660251.4	-54.5803	17.68653	11922595	-1.7E+07	6517386
685.9999	660254.6	-54.5718	17.67614	11925758	-1.7E+07	6513679
686.1999	660257.8	-54.5634	17.66575	11928920	-1.7E+07	6509970
686.3999	660260.9	-54.5549	17.65536	11932082	-1.7E+07	6506262
686.5999	660264.1	-54.5465	17.64497	11935243	-1.7E+07	6502553
686.7999	660267.4	-54.538	17.63458	11938404	-1.7E+07	6498843
686.9999	660270.6	-54.5295	17.62418	11941564	-1.7E+07	6495134
687.1999	660273.8	-54.5211	17.61379	11944723	-1.7E+07	6491424
687.3999	660277.1	-54.5126	17.6034	11947882	-1.7E+07	6487713
687.5999	660280.4	-54.5042	17.593	11951040	-1.7E+07	6484003
687.7999	660283.6	-54.4957	17.58261	11954197	-1.7E+07	6480291
687.9999	660286.9	-54.4873	17.57221	11957354	-1.7E+07	6476580
688.1999	660290.2	-54.4788	17.56182	11960510	-1.7E+07	6472868
688.3999	660293.5	-54.4704	17.55142	11963665	-1.7E+07	6469156
688.5999	660296.9	-54.4619	17.54103	11966820	-1.7E+07	6465443
688.7999	660300.2	-54.4535	17.53063	11969974	-1.7E+07	6461730
688.9999	660303.5	-54.445	17.52023	11973128	-1.7E+07	6458017
689.1999	660306.9	-54.4366	17.50983	11976281	-1.7E+07	6454303
689.3999	660310.3	-54.4281	17.49944	11979433	-1.7E+07	6450589
689.5999	660313.6	-54.4197	17.48904	11982585	-1.7E+07	6446875
689.7999	660317	-54.4113	17.47864	11985735	-1.7E+07	6443160
689.9999	660320.4	-54.4028	17.46824	11988886	-1.7E+07	6439445
690.1999	660323.9	-54.3944	17.45784	11992035	-1.7E+07	6435729
690.3999	660327.3	-54.3859	17.44744	11995184	-1.7E+07	6432014
690.5999	660330.7	-54.3775	17.43704	11998333	-1.7E+07	6428297
690.7999	660334.2	-54.3691	17.42664	12001480	-1.7E+07	6424581
690.9999	660337.6	-54.3606	17.41624	12004627	-1.7E+07	6420864
691.1999	660341.1	-54.3522	17.40583	12007774	-1.7E+07	6417147
691.3999	660344.6	-54.3438	17.39543	12010920	-1.7E+07	6413429
691.5999	660348.1	-54.3353	17.38503	12014065	-1.7E+07	6409711
691.7999	660351.6	-54.3269	17.37463	12017209	-1.7E+07	6405993
691.9999	660355.1	-54.3185	17.36422	12020353	-1.7E+07	6402274
692.1999	660358.7	-54.31	17.35382	12023496	-1.7E+07	6398555
692.3999	660362.2	-54.3016	17.34341	12026639	-1.7E+07	6394835
692.5999	660365.8	-54.2932	17.33301	12029781	-1.7E+07	6391116
692.7999	660369.4	-54.2847	17.3226	12032922	-1.7E+07	6387395
692.9999	660372.9	-54.2763	17.3122	12036062	-1.7E+07	6383675
693.1999	660376.5	-54.2679	17.30179	12039202	-1.7E+07	6379954
693.3999	660380.1	-54.2595	17.29138	12042342	-1.7E+07	6376233
693.5999	660383.8	-54.251	17.28098	12045480	-1.7E+07	6372511
693.7999	660387.4	-54.2426	17.27057	12048618	-1.7E+07	6368789
693.9999	660391	-54.2342	17.26016	12051756	-1.7E+07	6365067
694.1999	660394.7	-54.2258	17.24975	12054892	-1.7E+07	6361344
694.3999	660398.3	-54.2174	17.23934	12058028	-1.7E+07	6357621
694.5999	660402	-54.2089	17.22893	12061164	-1.7E+07	6353898
694.7999	660405.7	-54.2005	17.21852	12064298	-1.7E+07	6350174
694.9999	660409.4	-54.1921	17.20811	12067433	-1.7E+07	6346450

695.1999	660413.1	-54.1837	17.1977	12070566	-1.7E+07	6342726
695.3999	660416.8	-54.1753	17.18729	12073699	-1.7E+07	6339001
695.5999	660420.6	-54.1669	17.17688	12076831	-1.7E+07	6335276
695.7999	660424.3	-54.1585	17.16647	12079962	-1.7E+07	6331550
695.9999	660428.1	-54.1501	17.15606	12083093	-1.7E+07	6327824
696.1999	660431.9	-54.1416	17.14564	12086224	-1.7E+07	6324098
696.3999	660435.6	-54.1332	17.13523	12089353	-1.7E+07	6320371
696.5999	660439.4	-54.1248	17.12482	12092482	-1.7E+07	6316644
696.7999	660443.2	-54.1164	17.1144	12095610	-1.7E+07	6312917
696.9999	660447.1	-54.108	17.10399	12098738	-1.7E+07	6309190
697.1999	660450.9	-54.0996	17.09358	12101865	-1.7E+07	6305462
697.3999	660454.7	-54.0912	17.08316	12104991	-1.7E+07	6301733
697.5999	660458.6	-54.0828	17.07274	12108117	-1.7E+07	6298004
697.7999	660462.5	-54.0744	17.06233	12111242	-1.7E+07	6294275
697.9999	660466.3	-54.066	17.05191	12114366	-1.7E+07	6290546
698.1999	660470.2	-54.0576	17.04149	12117490	-1.7E+07	6286816
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698.7999	660482	-54.0324	17.01024	12126857	-1.7E+07	6275625
698.9999	660485.9	-54.024	16.99982	12129978	-1.7E+07	6271894
699.1999	660489.9	-54.0156	16.9894	12133099	-1.7E+07	6268162
699.3999	660493.8	-54.0072	16.97898	12136218	-1.7E+07	6264430
699.5999	660497.8	-53.9988	16.96856	12139337	-1.7E+07	6260698
699.7999	660501.8	-53.9905	16.95814	12142456	-1.7E+07	6256965
699.9999	660505.8	-53.9821	16.94772	12145574	-1.7E+07	6253233
700.1999	660509.8	-53.9737	16.9373	12148691	-1.7E+07	6249499
700.3999	660513.8	-53.9653	16.92688	12151807	-1.7E+07	6245766
700.5999	660517.8	-53.9569	16.91646	12154923	-1.7E+07	6242032
700.7999	660521.9	-53.9485	16.90604	12158039	-1.7E+07	6238297
700.9999	660525.9	-53.9401	16.89561	12161153	-1.7E+07	6234563
701.1999	660530	-53.9317	16.88519	12164267	-1.7E+07	6230828
701.3999	660534.1	-53.9234	16.87477	12167380	-1.7E+07	6227092
701.5999	660538.2	-53.915	16.86434	12170493	-1.7E+07	6223357
701.7999	660542.3	-53.9066	16.85392	12173605	-1.7E+07	6219620
701.9999	660546.4	-53.8982	16.84349	12176716	-1.7E+07	6215884
702.1999	660550.5	-53.8898	16.83307	12179827	-1.7E+07	6212147
702.3999	660554.7	-53.8815	16.82264	12182937	-1.7E+07	6208410
702.5999	660558.8	-53.8731	16.81222	12186046	-1.7E+07	6204673
702.7999	660563	-53.8647	16.80179	12189155	-1.7E+07	6200935
702.9999	660567.2	-53.8563	16.79136	12192263	-1.7E+07	6197197
703.1999	660571.3	-53.848	16.78094	12195370	-1.7E+07	6193458
703.3999	660575.5	-53.8396	16.77051	12198477	-1.7E+07	6189719
703.5999	660579.8	-53.8312	16.76008	12201583	-1.7E+07	6185980
703.7999	660584	-53.8228	16.74965	12204688	-1.7E+07	6182240
703.9999	660588.2	-53.8145	16.73922	12207793	-1.7E+07	6178501
704.1999	660592.5	-53.8061	16.72879	12210897	-1.7E+07	6174760
704.3999	660596.7	-53.7977	16.71836	12214001	-1.7E+07	6171020

704.5999	660601	-53.7894	16.70793	12217103	-1.7E+07	6167279
704.7999	660605.3	-53.781	16.6975	12220206	-1.7E+07	6163538
704.9999	660609.6	-53.7726	16.68707	12223307	-1.7E+07	6159796
705.1999	660613.9	-53.7643	16.67664	12226408	-1.7E+07	6156054
705.3999	660618.2	-53.7559	16.66621	12229508	-1.7E+07	6152312
705.5999	660622.5	-53.7476	16.65578	12232607	-1.7E+07	6148569
705.7999	660626.9	-53.7392	16.64534	12235706	-1.7E+07	6144826
705.9999	660631.2	-53.7308	16.63491	12238804	-1.7E+07	6141083
706.1999	660635.6	-53.7225	16.62448	12241902	-1.7E+07	6137339
706.3999	660640	-53.7141	16.61404	12244999	-1.7E+07	6133595
706.5999	660644.4	-53.7058	16.60361	12248095	-1.7E+07	6129850
706.7999	660648.8	-53.6974	16.59318	12251191	-1.7E+07	6126106
706.9999	660653.2	-53.6891	16.58274	12254286	-1.7E+07	6122361
707.1999	660657.6	-53.6807	16.5723	12257380	-1.7E+07	6118615
707.3999	660662	-53.6723	16.56187	12260473	-1.7E+07	6114869
707.5999	660666.5	-53.664	16.55143	12263566	-1.7E+07	6111123
707.7999	660670.9	-53.6556	16.541	12266659	-1.7E+07	6107377
707.9999	660675.4	-53.6473	16.53056	12269750	-1.7E+07	6103630
708.1999	660679.9	-53.6389	16.52012	12272841	-1.7E+07	6099883
708.3999	660684.4	-53.6306	16.50968	12275931	-1.7E+07	6096135
708.5999	660688.9	-53.6223	16.49924	12279021	-1.7E+07	6092388
708.7999	660693.4	-53.6139	16.48881	12282110	-1.7E+07	6088639
708.9999	660698	-53.6056	16.47837	12285198	-1.7E+07	6084891
709.1999	660702.5	-53.5972	16.46793	12288286	-1.7E+07	6081142
709.3999	660707	-53.5889	16.45749	12291373	-1.7E+07	6077393
709.5999	660711.6	-53.5805	16.44705	12294459	-1.7E+07	6073643
709.7999	660716.2	-53.5722	16.43661	12297545	-1.7E+07	6069894
709.9999	660720.8	-53.5639	16.42617	12300630	-1.7E+07	6066143
710.1999	660725.4	-53.5555	16.41572	12303714	-1.7E+07	6062393
710.3999	660730	-53.5472	16.40528	12306798	-1.7E+07	6058642
710.5999	660734.6	-53.5388	16.39484	12309881	-1.7E+07	6054891
710.7999	660739.3	-53.5305	16.3844	12312963	-1.7E+07	6051139
710.9999	660743.9	-53.5222	16.37395	12316045	-1.7E+07	6047387
711.1999	660748.6	-53.5138	16.36351	12319126	-1.7E+07	6043635
711.3999	660753.2	-53.5055	16.35307	12322206	-1.7E+07	6039882
711.5999	660757.9	-53.4972	16.34262	12325286	-1.7E+07	6036129
711.7999	660762.6	-53.4888	16.33218	12328365	-1.7E+07	6032376
711.9999	660767.3	-53.4805	16.32173	12331444	-1.7E+07	6028623
712.1999	660772.1	-53.4722	16.31129	12334521	-1.7E+07	6024869
712.3999	660776.8	-53.4639	16.30084	12337598	-1.7E+07	6021114
712.5999	660781.5	-53.4555	16.29039	12340675	-1.7E+07	6017360
712.7999	660786.3	-53.4472	16.27995	12343751	-1.7E+07	6013605
712.9999	660791.1	-53.4389	16.2695	12346826	-1.7E+07	6009849
713.1999	660795.8	-53.4306	16.25905	12349900	-1.7E+07	6006094
713.3999	660800.6	-53.4222	16.24861	12352974	-1.7E+07	6002338
713.5999	660805.4	-53.4139	16.23816	12356047	-1.7E+07	5998582
713.7999	660810.2	-53.4056	16.22771	12359119	-1.7E+07	5994825

713.9999	660815.1	-53.3973	16.21726	12362191	-1.7E+07	5991068
714.1999	660819.9	-53.3889	16.20681	12365262	-1.7E+07	5987311
714.3999	660824.8	-53.3806	16.19636	12368333	-1.7E+07	5983553
714.5999	660829.6	-53.3723	16.18591	12371403	-1.7E+07	5979795
714.7999	660834.5	-53.364	16.17546	12374472	-1.7E+07	5976037
714.9999	660839.4	-53.3557	16.16501	12377540	-1.7E+07	5972278
715.1999	660844.3	-53.3474	16.15456	12380608	-1.7E+07	5968519
715.3999	660849.2	-53.339	16.1441	12383675	-1.7E+07	5964760
715.5999	660854.1	-53.3307	16.13365	12386742	-1.7E+07	5961000
715.7999	660859.1	-53.3224	16.1232	12389807	-1.7E+07	5957240
715.9999	660864	-53.3141	16.11275	12392873	-1.7E+07	5953480
716.1999	660869	-53.3058	16.10229	12395937	-1.7E+07	5949719
716.3999	660873.9	-53.2975	16.09184	12399001	-1.7E+07	5945958
716.5999	660878.9	-53.2892	16.08139	12402064	-1.7E+07	5942197
716.7999	660883.9	-53.2809	16.07093	12405126	-1.7E+07	5938435
716.9999	660888.9	-53.2726	16.06048	12408188	-1.7E+07	5934673
717.1999	660893.9	-53.2643	16.05002	12411249	-1.7E+07	5930911
717.3999	660899	-53.256	16.03956	12414310	-1.7E+07	5927148
717.5999	660904	-53.2477	16.02911	12417370	-1.7E+07	5923385
717.7999	660909.1	-53.2394	16.01865	12420429	-1.7E+07	5919622
717.9999	660914.1	-53.2311	16.00819	12423487	-1.7E+07	5915858
718.1999	660919.2	-53.2228	15.99774	12426545	-1.7E+07	5912094
718.3999	660924.3	-53.2145	15.98728	12429602	-1.7E+07	5908330
718.5999	660929.4	-53.2062	15.97682	12432659	-1.7E+07	5904565
718.7999	660934.5	-53.1979	15.96636	12435715	-1.7E+07	5900800
718.9999	660939.6	-53.1896	15.9559	12438770	-1.7E+07	5897035
719.1999	660944.8	-53.1813	15.94545	12441824	-1.7E+07	5893269
719.3999	660949.9	-53.173	15.93499	12444878	-1.7E+07	5889503
719.5999	660955.1	-53.1647	15.92453	12447931	-1.7E+07	5885737
719.7999	660960.3	-53.1564	15.91407	12450984	-1.7E+07	5881970
719.9999	660965.4	-53.1481	15.9036	12454036	-1.7E+07	5878203
720.1999	660970.6	-53.1398	15.89314	12457087	-1.7E+07	5874436
720.3999	660975.9	-53.1315	15.88268	12460137	-1.7E+07	5870668
720.5999	660981.1	-53.1232	15.87222	12463187	-1.7E+07	5866900
720.7999	660986.3	-53.1149	15.86176	12466236	-1.7E+07	5863132
720.9999	660991.6	-53.1067	15.85129	12469285	-1.7E+07	5859364
721.1999	660996.8	-53.0984	15.84083	12472332	-1.7E+07	5855595
721.3999	661002.1	-53.0901	15.83037	12475380	-1.7E+07	5851825
721.5999	661007.4	-53.0818	15.8199	12478426	-1.7E+07	5848056
721.7999	661012.7	-53.0735	15.80944	12481472	-1.7E+07	5844286
721.9999	661018	-53.0652	15.79898	12484517	-1.7E+07	5840516
722.1999	661023.3	-53.057	15.78851	12487561	-1.7E+07	5836745
722.3999	661028.6	-53.0487	15.77805	12490605	-1.7E+07	5832974
722.5999	661033.9	-53.0404	15.76758	12493648	-1.7E+07	5829203
722.7999	661039.3	-53.0321	15.75711	12496691	-1.7E+07	5825431
722.9999	661044.7	-53.0238	15.74665	12499733	-1.7E+07	5821659
723.1999	661050	-53.0156	15.73618	12502774	-1.7E+07	5817887

723.3999	661055.4	-53.0073	15.72571	12505814	-1.7E+07	5814115
723.5999	661060.8	-52.999	15.71524	12508854	-1.7E+07	5810342
723.7999	661066.2	-52.9907	15.70478	12511893	-1.7E+07	5806569
723.9999	661071.7	-52.9825	15.69431	12514932	-1.7E+07	5802795
724.1999	661077.1	-52.9742	15.68384	12517969	-1.7E+07	5799021
724.3999	661082.5	-52.9659	15.67337	12521006	-1.7E+07	5795247
724.5999	661088	-52.9577	15.6629	12524043	-1.7E+07	5791473
724.7999	661093.5	-52.9494	15.65243	12527079	-1.7E+07	5787698
724.9999	661099	-52.9411	15.64196	12530114	-1.7E+07	5783923
725.1999	661104.5	-52.9328	15.63149	12533148	-1.7E+07	5780147
725.3999	661110	-52.9246	15.62102	12536182	-1.7E+07	5776371
725.5999	661115.5	-52.9163	15.61055	12539215	-1.7E+07	5772595
725.7999	661121	-52.9081	15.60008	12542247	-1.7E+07	5768819
725.9999	661126.6	-52.8998	15.5896	12545279	-1.7E+07	5765042
726.1999	661132.1	-52.8915	15.57913	12548310	-1.7E+07	5761265
726.3999	661137.7	-52.8833	15.56866	12551340	-1.7E+07	5757488
726.5999	661143.3	-52.875	15.55818	12554370	-1.7E+07	5753710
726.7999	661148.8	-52.8667	15.54771	12557399	-1.7E+07	5749932
726.9999	661154.4	-52.8585	15.53724	12560428	-1.7E+07	5746153
727.1999	661160.1	-52.8502	15.52676	12563455	-1.7E+07	5742375
727.3999	661165.7	-52.842	15.51629	12566482	-1.7E+07	5738596
727.5999	661171.3	-52.8337	15.50581	12569509	-1.7E+07	5734816
727.7999	661177	-52.8255	15.49534	12572534	-1.7E+07	5731037
727.9999	661182.6	-52.8172	15.48486	12575559	-1.7E+07	5727257
728.1999	661188.3	-52.8089	15.47438	12578584	-1.7E+07	5723476
728.3999	661194	-52.8007	15.46391	12581607	-1.7E+07	5719696
728.5999	661199.7	-52.7924	15.45343	12584630	-1.7E+07	5715915
728.7999	661205.4	-52.7842	15.44295	12587653	-1.7E+07	5712133
728.9999	661211.1	-52.7759	15.43248	12590674	-1.7E+07	5708352
729.1999	661216.9	-52.7677	15.422	12593695	-1.7E+07	5704570
729.3999	661222.6	-52.7594	15.41152	12596715	-1.7E+07	5700788
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729.7999	661234.1	-52.743	15.39056	12602754	-1.7E+07	5693222
729.9999	661239.9	-52.7347	15.38008	12605772	-1.7E+07	5689439
730.1999	661245.7	-52.7265	15.3696	12608790	-1.7E+07	5685656
730.3999	661251.5	-52.7182	15.35912	12611807	-1.7E+07	5681872
730.5999	661257.3	-52.71	15.34864	12614823	-1.7E+07	5678088
730.7999	661263.2	-52.7017	15.33816	12617838	-1.7E+07	5674303
730.9999	661269	-52.6935	15.32768	12620853	-1.7E+07	5670518
731.1999	661274.9	-52.6853	15.3172	12623868	-1.7E+07	5666733
731.3999	661280.7	-52.677	15.30671	12626881	-1.7E+07	5662948
731.5999	661286.6	-52.6688	15.29623	12629894	-1.7E+07	5659162
731.7999	661292.5	-52.6605	15.28575	12632906	-1.7E+07	5655376
731.9999	661298.4	-52.6523	15.27526	12635918	-1.7E+07	5651590
732.1999	661304.3	-52.6441	15.26478	12638928	-1.7E+07	5647803
732.3999	661310.2	-52.6358	15.2543	12641939	-1.7E+07	5644016
732.5999	661316.2	-52.6276	15.24381	12644948	-1.7E+07	5640229

732.7999	661322.1	-52.6194	15.23333	12647957	-1.7E+07	5636441
732.9999	661328.1	-52.6111	15.22284	12650965	-1.7E+07	5632653
733.1999	661334.1	-52.6029	15.21236	12653972	-1.7E+07	5628865
733.3999	661340	-52.5947	15.20187	12656979	-1.7E+07	5625076
733.5999	661346	-52.5865	15.19138	12659985	-1.7E+07	5621287
733.7999	661352	-52.5782	15.1809	12662991	-1.7E+07	5617498
733.9999	661358.1	-52.57	15.17041	12665995	-1.7E+07	5613708
734.1999	661364.1	-52.5618	15.15992	12669000	-1.7E+07	5609919
734.3999	661370.1	-52.5535	15.14944	12672003	-1.7E+07	5606128
734.5999	661376.2	-52.5453	15.13895	12675006	-1.7E+07	5602338
734.7999	661382.3	-52.5371	15.12846	12678008	-1.7E+07	5598547
734.9999	661388.3	-52.5289	15.11797	12681009	-1.7E+07	5594756
735.1999	661394.4	-52.5207	15.10748	12684010	-1.7E+07	5590965
735.3999	661400.5	-52.5124	15.09699	12687010	-1.7E+07	5587173
735.5999	661406.7	-52.5042	15.0865	12690009	-1.7E+07	5583381
735.7999	661412.8	-52.496	15.07601	12693008	-1.7E+07	5579589
735.9999	661418.9	-52.4878	15.06552	12696006	-1.7E+07	5575796
736.1999	661425.1	-52.4796	15.05503	12699003	-1.7E+07	5572003
736.3999	661431.2	-52.4713	15.04454	12701999	-1.7E+07	5568210
736.5999	661437.4	-52.4631	15.03405	12704995	-1.7E+07	5564416
736.7999	661443.6	-52.4549	15.02356	12707991	-1.7E+07	5560622
736.9999	661449.8	-52.4467	15.01306	12710985	-1.7E+07	5556828
737.1999	661456	-52.4385	15.00257	12713979	-1.7E+07	5553033
737.3999	661462.2	-52.4303	14.99208	12716972	-1.7E+07	5549238
737.5999	661468.5	-52.4221	14.98158	12719965	-1.7E+07	5545443
737.7999	661474.7	-52.4139	14.97109	12722956	-1.7E+07	5541648
737.9999	661481	-52.4056	14.9606	12725948	-1.7E+07	5537852
738.1999	661487.3	-52.3974	14.9501	12728938	-1.7E+07	5534056
738.3999	661493.5	-52.3892	14.93961	12731928	-1.7E+07	5530259
738.5999	661499.8	-52.381	14.92911	12734917	-1.7E+07	5526463
738.7999	661506.1	-52.3728	14.91862	12737905	-1.7E+07	5522666
738.9999	661512.5	-52.3646	14.90812	12740893	-1.7E+07	5518868
739.1999	661518.8	-52.3564	14.89762	12743880	-1.7E+07	5515071
739.3999	661525.1	-52.3482	14.88713	12746867	-1.7E+07	5511273
739.5999	661531.5	-52.34	14.87663	12749852	-1.7E+07	5507474
739.7999	661537.9	-52.3318	14.86613	12752837	-1.7E+07	5503676
739.9999	661544.2	-52.3236	14.85563	12755822	-1.7E+07	5499877
740.1999	661550.6	-52.3154	14.84514	12758805	-1.7E+07	5496078
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740.5999	661563.4	-52.299	14.82414	12764771	-1.7E+07	5488478
740.7999	661569.9	-52.2908	14.81364	12767752	-1.7E+07	5484678
740.9999	661576.3	-52.2826	14.80314	12770733	-1.7E+07	5480878
741.1999	661582.8	-52.2744	14.79264	12773713	-1.7E+07	5477077
741.3999	661589.2	-52.2662	14.78214	12776693	-1.7E+07	5473276
741.5999	661595.7	-52.258	14.77164	12779672	-1.7E+07	5469475
741.7999	661602.2	-52.2498	14.76114	12782650	-1.7E+07	5465673
741.9999	661608.7	-52.2416	14.75064	12785628	-1.7E+07	5461871

742.1999	661615.2	-52.2334	14.74014	12788604	-1.7E+07	5458069
742.3999	661621.7	-52.2253	14.72963	12791581	-1.7E+07	5454266
742.5999	661628.3	-52.2171	14.71913	12794556	-1.7E+07	5450463
742.7999	661634.8	-52.2089	14.70863	12797531	-1.7E+07	5446660
742.9999	661641.4	-52.2007	14.69813	12800505	-1.7E+07	5442857
743.1999	661647.9	-52.1925	14.68762	12803478	-1.7E+07	5439053
743.3999	661654.5	-52.1843	14.67712	12806451	-1.7E+07	5435249
743.5999	661661.1	-52.1761	14.66662	12809423	-1.6E+07	5431444
743.7999	661667.7	-52.168	14.65611	12812394	-1.6E+07	5427640
743.9999	661674.3	-52.1598	14.64561	12815365	-1.6E+07	5423835
744.1999	661681	-52.1516	14.6351	12818335	-1.6E+07	5420029
744.3999	661687.6	-52.1434	14.6246	12821304	-1.6E+07	5416224
744.5999	661694.3	-52.1352	14.61409	12824273	-1.6E+07	5412418
744.7999	661700.9	-52.127	14.60358	12827241	-1.6E+07	5408611
744.9999	661707.6	-52.1189	14.59308	12830208	-1.6E+07	5404805
745.1999	661714.3	-52.1107	14.58257	12833175	-1.6E+07	5400998
745.3999	661721	-52.1025	14.57206	12836141	-1.6E+07	5397191
745.5999	661727.7	-52.0943	14.56156	12839106	-1.6E+07	5393383
745.7999	661734.4	-52.0862	14.55105	12842070	-1.6E+07	5389576
745.9999	661741.2	-52.078	14.54054	12845034	-1.6E+07	5385768
746.1999	661747.9	-52.0698	14.53003	12847997	-1.6E+07	5381959
746.3999	661754.7	-52.0616	14.51952	12850960	-1.6E+07	5378151
746.5999	661761.5	-52.0535	14.50901	12853921	-1.6E+07	5374342
746.7999	661768.2	-52.0453	14.4985	12856882	-1.6E+07	5370532
746.9999	661775	-52.0371	14.48799	12859843	-1.6E+07	5366723
747.1999	661781.9	-52.029	14.47748	12862803	-1.6E+07	5362913
747.3999	661788.7	-52.0208	14.46697	12865762	-1.6E+07	5359103
747.5999	661795.5	-52.0126	14.45646	12868720	-1.6E+07	5355292
747.7999	661802.4	-52.0045	14.44595	12871678	-1.6E+07	5351482
747.9999	661809.2	-51.9963	14.43544	12874634	-1.6E+07	5347670
748.1999	661816.1	-51.9881	14.42493	12877591	-1.6E+07	5343859
748.3999	661823	-51.98	14.41441	12880546	-1.6E+07	5340047
748.5999	661829.9	-51.9718	14.4039	12883501	-1.6E+07	5336235
748.7999	661836.8	-51.9636	14.39339	12886455	-1.6E+07	5332423
748.9999	661843.7	-51.9555	14.38288	12889409	-1.6E+07	5328611
749.1999	661850.6	-51.9473	14.37236	12892362	-1.6E+07	5324798
749.3999	661857.6	-51.9391	14.36185	12895314	-1.6E+07	5320985
749.5999	661864.5	-51.931	14.35133	12898265	-1.6E+07	5317171
749.7999	661871.5	-51.9228	14.34082	12901216	-1.6E+07	5313357
749.9999	661878.5	-51.9147	14.3303	12904166	-1.6E+07	5309543
750.1999	661885.4	-51.9065	14.31979	12907115	-1.6E+07	5305729
750.3999	661892.4	-51.8984	14.30927	12910064	-1.6E+07	5301914
750.5999	661899.5	-51.8902	14.29876	12913012	-1.6E+07	5298099
750.7999	661906.5	-51.8821	14.28824	12915959	-1.6E+07	5294284
750.9999	661913.5	-51.8739	14.27772	12918906	-1.6E+07	5290469
751.1999	661920.6	-51.8657	14.26721	12921852	-1.6E+07	5286653
751.3999	661927.6	-51.8576	14.25669	12924797	-1.6E+07	5282837

751.5999	661934.7	-51.8494	14.24617	12927742	-1.6E+07	5279020
751.7999	661941.8	-51.8413	14.23565	12930686	-1.6E+07	5275203
751.9999	661948.9	-51.8331	14.22514	12933629	-1.6E+07	5271386
752.1999	661956	-51.825	14.21462	12936571	-1.6E+07	5267569
752.3999	661963.1	-51.8168	14.2041	12939513	-1.6E+07	5263751
752.5999	661970.3	-51.8087	14.19358	12942454	-1.6E+07	5259933
752.7999	661977.4	-51.8006	14.18306	12945395	-1.6E+07	5256115
752.9999	661984.6	-51.7924	14.17254	12948334	-1.6E+07	5252297
753.1999	661991.7	-51.7843	14.16202	12951273	-1.6E+07	5248478
753.3999	661998.9	-51.7761	14.1515	12954212	-1.6E+07	5244659
753.5999	662006.1	-51.768	14.14098	12957149	-1.6E+07	5240839
753.7999	662013.3	-51.7598	14.13045	12960086	-1.6E+07	5237020
753.9999	662020.5	-51.7517	14.11993	12963022	-1.6E+07	5233200
754.1999	662027.8	-51.7436	14.10941	12965958	-1.6E+07	5229380
754.3999	662035	-51.7354	14.09889	12968893	-1.6E+07	5225559
754.5999	662042.2	-51.7273	14.08837	12971827	-1.6E+07	5221738
754.7999	662049.5	-51.7191	14.07784	12974761	-1.6E+07	5217917
754.9999	662056.8	-51.711	14.06732	12977693	-1.6E+07	5214096
755.1999	662064.1	-51.7029	14.0568	12980625	-1.6E+07	5210274
755.3999	662071.4	-51.6947	14.04627	12983557	-1.6E+07	5206452
755.5999	662078.7	-51.6866	14.03575	12986488	-1.6E+07	5202629
755.7999	662086	-51.6785	14.02522	12989418	-1.6E+07	5198807
755.9999	662093.4	-51.6703	14.0147	12992347	-1.6E+07	5194984
756.1999	662100.7	-51.6622	14.00417	12995276	-1.6E+07	5191161
756.3999	662108.1	-51.6541	13.99365	12998203	-1.6E+07	5187337
756.5999	662115.4	-51.6459	13.98312	13001131	-1.6E+07	5183513
756.7999	662122.8	-51.6378	13.97259	13004057	-1.6E+07	5179689
756.9999	662130.2	-51.6297	13.96207	13006983	-1.6E+07	5175865
757.1999	662137.6	-51.6216	13.95154	13009908	-1.6E+07	5172040
757.3999	662145	-51.6134	13.94101	13012833	-1.6E+07	5168215
757.5999	662152.5	-51.6053	13.93049	13015757	-1.6E+07	5164390
757.7999	662159.9	-51.5972	13.91996	13018680	-1.6E+07	5160565
757.9999	662167.4	-51.5891	13.90943	13021602	-1.6E+07	5156739
758.1999	662174.9	-51.5809	13.8989	13024524	-1.6E+07	5152913
758.3999	662182.3	-51.5728	13.88837	13027445	-1.6E+07	5149086
758.5999	662189.8	-51.5647	13.87784	13030365	-1.6E+07	5145260
758.7999	662197.3	-51.5566	13.86731	13033285	-1.6E+07	5141433
758.9999	662204.8	-51.5484	13.85678	13036204	-1.6E+07	5137605
759.1999	662212.4	-51.5403	13.84625	13039122	-1.6E+07	5133778
759.3999	662219.9	-51.5322	13.83572	13042039	-1.6E+07	5129950
759.5999	662227.5	-51.5241	13.82519	13044956	-1.6E+07	5126122
759.7999	662235	-51.516	13.81466	13047872	-1.6E+07	5122294
759.9999	662242.6	-51.5079	13.80413	13050788	-1.6E+07	5118465
760.1999	662250.2	-51.4997	13.7936	13053702	-1.6E+07	5114636
760.3999	662257.8	-51.4916	13.78306	13056617	-1.6E+07	5110807
760.5999	662265.4	-51.4835	13.77253	13059530	-1.6E+07	5106977
760.7999	662273	-51.4754	13.762	13062443	-1.6E+07	5103147

760.9999	662280.7	-51.4673	13.75147	13065354	-1.6E+07	5099317
761.1999	662288.3	-51.4592	13.74093	13068266	-1.6E+07	5095487
761.3999	662296	-51.4511	13.7304	13071176	-1.6E+07	5091656
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761.7999	662311.3	-51.4348	13.70933	13076995	-1.6E+07	5083994
761.9999	662319	-51.4267	13.69879	13079904	-1.6E+07	5080162
762.1999	662326.8	-51.4186	13.68826	13082812	-1.6E+07	5076330
762.3999	662334.5	-51.4105	13.67772	13085719	-1.6E+07	5072498
762.5999	662342.2	-51.4024	13.66719	13088625	-1.6E+07	5068666
762.7999	662350	-51.3943	13.65665	13091531	-1.6E+07	5064833
762.9999	662357.7	-51.3862	13.64612	13094436	-1.6E+07	5061000
763.1999	662365.5	-51.3781	13.63558	13097340	-1.6E+07	5057167
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763.5999	662381.1	-51.3619	13.6145	13103146	-1.6E+07	5049499
763.7999	662388.9	-51.3538	13.60397	13106049	-1.6E+07	5045665
763.9999	662396.7	-51.3457	13.59343	13108950	-1.6E+07	5041831
764.1999	662404.5	-51.3376	13.58289	13111851	-1.6E+07	5037996
764.3999	662412.3	-51.3295	13.57235	13114751	-1.6E+07	5034161
764.5999	662420.2	-51.3214	13.56181	13117650	-1.6E+07	5030326
764.7999	662428.1	-51.3133	13.55127	13120549	-1.6E+07	5026491
764.9999	662435.9	-51.3052	13.54073	13123447	-1.6E+07	5022655
765.1999	662443.8	-51.2971	13.53019	13126344	-1.6E+07	5018819
765.3999	662451.7	-51.289	13.51965	13129241	-1.6E+07	5014982
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765.7999	662467.6	-51.2728	13.49857	13135032	-1.6E+07	5007309
765.9999	662475.5	-51.2647	13.48803	13137927	-1.6E+07	5003471
766.1999	662483.5	-51.2566	13.47749	13140820	-1.6E+07	4999634
766.3999	662491.4	-51.2486	13.46695	13143713	-1.6E+07	4995796
766.5999	662499.4	-51.2405	13.45641	13146606	-1.6E+07	4991958
766.7999	662507.4	-51.2324	13.44586	13149497	-1.6E+07	4988120
766.9999	662515.4	-51.2243	13.43532	13152388	-1.6E+07	4984281
767.1999	662523.4	-51.2162	13.42478	13155279	-1.6E+07	4980442
767.3999	662531.4	-51.2081	13.41424	13158168	-1.6E+07	4976603
767.5999	662539.4	-51.2	13.40369	13161057	-1.6E+07	4972764
767.7999	662547.5	-51.1919	13.39315	13163945	-1.6E+07	4968924
767.9999	662555.5	-51.1839	13.3826	13166833	-1.6E+07	4965084
768.1999	662563.6	-51.1758	13.37206	13169720	-1.6E+07	4961244
768.3999	662571.7	-51.1677	13.36151	13172606	-1.6E+07	4957403
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768.7999	662587.9	-51.1515	13.34042	13178376	-1.6E+07	4949721
768.9999	662596	-51.1434	13.32988	13181260	-1.6E+07	4945880
769.1999	662604.1	-51.1354	13.31933	13184143	-1.6E+07	4942038
769.3999	662612.3	-51.1273	13.30879	13187026	-1.6E+07	4938196
769.5999	662620.4	-51.1192	13.29824	13189908	-1.6E+07	4934354
769.7999	662628.6	-51.1111	13.28769	13192789	-1.6E+07	4930511
769.9999	662636.8	-51.1031	13.27714	13195669	-1.6E+07	4926668
770.1999	662645	-51.095	13.2666	13198549	-1.6E+07	4922825

770.3999	662653.2	-51.0869	13.25605	13201428	-1.6E+07	4918982
770.5999	662661.4	-51.0788	13.2455	13204306	-1.6E+07	4915138
770.7999	662669.6	-51.0708	13.23495	13207184	-1.6E+07	4911295
770.9999	662677.8	-51.0627	13.2244	13210061	-1.6E+07	4907450
771.1999	662686.1	-51.0546	13.21385	13212937	-1.6E+07	4903606
771.3999	662694.3	-51.0465	13.2033	13215813	-1.6E+07	4899761
771.5999	662702.6	-51.0385	13.19275	13218688	-1.6E+07	4895916
771.7999	662710.9	-51.0304	13.1822	13221562	-1.6E+07	4892071
771.9999	662719.2	-51.0223	13.17165	13224435	-1.6E+07	4888225
772.1999	662727.5	-51.0143	13.1611	13227308	-1.6E+07	4884380
772.3999	662735.8	-51.0062	13.15055	13230180	-1.6E+07	4880533
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772.7999	662752.5	-50.9901	13.12945	13235922	-1.6E+07	4872840
772.9999	662760.9	-50.982	13.1189	13238792	-1.6E+07	4868994
773.1999	662769.2	-50.9739	13.10834	13241661	-1.6E+07	4865146
773.3999	662777.6	-50.9659	13.09779	13244529	-1.6E+07	4861299
773.5999	662786	-50.9578	13.08724	13247397	-1.6E+07	4857451
773.7999	662794.4	-50.9497	13.07669	13250264	-1.6E+07	4853603
773.9999	662802.8	-50.9417	13.06613	13253131	-1.6E+07	4849755
774.1999	662811.3	-50.9336	13.05558	13255996	-1.6E+07	4845906
774.3999	662819.7	-50.9256	13.04502	13258861	-1.6E+07	4842058
774.5999	662828.2	-50.9175	13.03447	13261726	-1.6E+07	4838208
774.7999	662836.6	-50.9094	13.02392	13264589	-1.6E+07	4834359
774.9999	662845.1	-50.9014	13.01336	13267452	-1.6E+07	4830509
775.1999	662853.6	-50.8933	13.00281	13270314	-1.6E+07	4826660
775.3999	662862.1	-50.8853	12.99225	13273176	-1.6E+07	4822809
775.5999	662870.6	-50.8772	12.98169	13276036	-1.6E+07	4818959
775.7999	662879.1	-50.8692	12.97114	13278896	-1.6E+07	4815108
775.9999	662887.7	-50.8611	12.96058	13281756	-1.6E+07	4811257
776.1999	662896.2	-50.8531	12.95002	13284614	-1.6E+07	4807406
776.3999	662904.8	-50.845	12.93947	13287472	-1.6E+07	4803554
776.5999	662913.3	-50.837	12.92891	13290329	-1.6E+07	4799703
776.7999	662921.9	-50.8289	12.91835	13293186	-1.6E+07	4795851
776.9999	662930.5	-50.8209	12.90779	13296042	-1.6E+07	4791998
777.1999	662939.1	-50.8128	12.89724	13298897	-1.6E+07	4788146
777.3999	662947.7	-50.8048	12.88668	13301751	-1.6E+07	4784293
777.5999	662956.4	-50.7967	12.87612	13304605	-1.6E+07	4780440
777.7999	662965	-50.7887	12.86556	13307458	-1.6E+07	4776586
777.9999	662973.7	-50.7806	12.855	13310310	-1.6E+07	4772732
778.1999	662982.4	-50.7726	12.84444	13313161	-1.6E+07	4768879
778.3999	662991	-50.7645	12.83388	13316012	-1.6E+07	4765024
778.5999	662999.7	-50.7565	12.82332	13318862	-1.6E+07	4761170
778.7999	663008.4	-50.7484	12.81276	13321712	-1.6E+07	4757315
778.9999	663017.1	-50.7404	12.8022	13324560	-1.6E+07	4753460
779.1999	663025.9	-50.7324	12.79164	13327408	-1.6E+07	4749605
779.3999	663034.6	-50.7243	12.78108	13330256	-1.6E+07	4745749
779.5999	663043.4	-50.7163	12.77051	13333102	-1.6E+07	4741893

779.7999	663052.1	-50.7082	12.75995	13335948	-1.6E+07	4738037
779.9999	663060.9	-50.7002	12.74939	13338793	-1.6E+07	4734181
780.1999	663069.7	-50.6922	12.73883	13341638	-1.6E+07	4730324
780.3999	663078.5	-50.6841	12.72826	13344481	-1.6E+07	4726467
780.5999	663087.3	-50.6761	12.7177	13347324	-1.6E+07	4722610
780.7999	663096.1	-50.668	12.70714	13350167	-1.6E+07	4718753
780.9999	663105	-50.66	12.69657	13353008	-1.6E+07	4714895
781.1999	663113.8	-50.652	12.68601	13355849	-1.6E+07	4711037
781.3999	663122.7	-50.6439	12.67544	13358689	-1.6E+07	4707179
781.5999	663131.6	-50.6359	12.66488	13361529	-1.6E+07	4703321
781.7999	663140.4	-50.6279	12.65431	13364368	-1.6E+07	4699462
781.9999	663149.3	-50.6198	12.64375	13367206	-1.6E+07	4695603
782.1999	663158.2	-50.6118	12.63318	13370043	-1.6E+07	4691744
782.3999	663167.2	-50.6038	12.62262	13372880	-1.6E+07	4687884
782.5999	663176.1	-50.5958	12.61205	13375716	-1.6E+07	4684024
782.7999	663185	-50.5877	12.60149	13378551	-1.6E+07	4680164
782.9999	663194	-50.5797	12.59092	13381385	-1.6E+07	4676304
783.1999	663203	-50.5717	12.58035	13384219	-1.6E+07	4672443
783.3999	663212	-50.5636	12.56978	13387052	-1.6E+07	4668583
783.5999	663220.9	-50.5556	12.55922	13389884	-1.6E+07	4664721
783.7999	663230	-50.5476	12.54865	13392716	-1.6E+07	4660860
783.9999	663239	-50.5396	12.53808	13395547	-1.6E+07	4656998
784.1999	663248	-50.5315	12.52751	13398377	-1.6E+07	4653137
784.3999	663257	-50.5235	12.51694	13401207	-1.6E+07	4649274
784.5999	663266.1	-50.5155	12.50637	13404036	-1.6E+07	4645412
784.7999	663275.2	-50.5075	12.4958	13406864	-1.6E+07	4641549
784.9999	663284.2	-50.4995	12.48523	13409691	-1.6E+07	4637686
785.1999	663293.3	-50.4914	12.47466	13412518	-1.6E+07	4633823
785.3999	663302.4	-50.4834	12.46409	13415344	-1.6E+07	4629960
785.5999	663311.5	-50.4754	12.45352	13418169	-1.6E+07	4626096
785.7999	663320.7	-50.4674	12.44295	13420993	-1.6E+07	4622232
785.9999	663329.8	-50.4594	12.43238	13423817	-1.6E+07	4618368
786.1999	663339	-50.4514	12.42181	13426640	-1.6E+07	4614503
786.3999	663348.1	-50.4433	12.41124	13429463	-1.6E+07	4610639
786.5999	663357.3	-50.4353	12.40067	13432284	-1.6E+07	4606774
786.7999	663366.5	-50.4273	12.3901	13435105	-1.6E+07	4602908
786.9999	663375.7	-50.4193	12.37952	13437925	-1.6E+07	4599043
787.1999	663384.9	-50.4113	12.36895	13440745	-1.6E+07	4595177
787.3999	663394.1	-50.4033	12.35838	13443564	-1.6E+07	4591311
787.5999	663403.3	-50.3953	12.3478	13446382	-1.6E+07	4587445
787.7999	663412.6	-50.3873	12.33723	13449199	-1.6E+07	4583578
787.9999	663421.8	-50.3792	12.32666	13452016	-1.6E+07	4579711
788.1999	663431.1	-50.3712	12.31608	13454832	-1.6E+07	4575844
788.3999	663440.4	-50.3632	12.30551	13457647	-1.6E+07	4571977
788.5999	663449.7	-50.3552	12.29493	13460461	-1.6E+07	4568110
788.7999	663459	-50.3472	12.28436	13463275	-1.6E+07	4564242
788.9999	663468.3	-50.3392	12.27378	13466088	-1.6E+07	4560374

789.1999	663477.6	-50.3312	12.26321	13468901	-1.6E+07	4556505
789.3999	663487	-50.3232	12.25263	13471712	-1.6E+07	4552637
789.5999	663496.3	-50.3152	12.24205	13474523	-1.6E+07	4548768
789.7999	663505.7	-50.3072	12.23148	13477333	-1.6E+07	4544899
789.9999	663515.1	-50.2992	12.2209	13480143	-1.6E+07	4541029
790.1999	663524.5	-50.2912	12.21032	13482952	-1.6E+07	4537160
790.3999	663533.9	-50.2832	12.19975	13485760	-1.6E+07	4533290
790.5999	663543.3	-50.2752	12.18917	13488567	-1.6E+07	4529420
790.7999	663552.7	-50.2672	12.17859	13491374	-1.6E+07	4525549
790.9999	663562.2	-50.2592	12.16801	13494180	-1.6E+07	4521679
791.1999	663571.6	-50.2512	12.15744	13496985	-1.6E+07	4517808
791.3999	663581.1	-50.2432	12.14686	13499789	-1.6E+07	4513937
791.5999	663590.5	-50.2352	12.13628	13502593	-1.6E+07	4510065
791.7999	663600	-50.2272	12.1257	13505396	-1.6E+07	4506194
791.9999	663609.5	-50.2192	12.11512	13508199	-1.6E+07	4502322
792.1999	663619	-50.2112	12.10454	13511000	-1.6E+07	4498450
792.3999	663628.6	-50.2032	12.09396	13513801	-1.6E+07	4494577
792.5999	663638.1	-50.1952	12.08338	13516601	-1.6E+07	4490704
792.7999	663647.6	-50.1872	12.0728	13519401	-1.6E+07	4486832
792.9999	663657.2	-50.1792	12.06222	13522199	-1.6E+07	4482958
793.1999	663666.8	-50.1712	12.05164	13524997	-1.6E+07	4479085
793.3999	663676.4	-50.1633	12.04105	13527795	-1.6E+07	4475211
793.5999	663686	-50.1553	12.03047	13530591	-1.6E+07	4471337
793.7999	663695.6	-50.1473	12.01989	13533387	-1.6E+07	4467463
793.9999	663705.2	-50.1393	12.00931	13536182	-1.6E+07	4463589
794.1999	663714.8	-50.1313	11.99873	13538977	-1.6E+07	4459714
794.3999	663724.5	-50.1233	11.98814	13541770	-1.6E+07	4455839
794.5999	663734.1	-50.1153	11.97756	13544563	-1.6E+07	4451964
794.7999	663743.8	-50.1073	11.96698	13547356	-1.6E+07	4448089
794.9999	663753.5	-50.0994	11.95639	13550147	-1.6E+07	4444213
795.1999	663763.1	-50.0914	11.94581	13552938	-1.6E+07	4440337
795.3999	663772.8	-50.0834	11.93523	13555728	-1.6E+07	4436461
795.5999	663782.6	-50.0754	11.92464	13558518	-1.6E+07	4432584
795.7999	663792.3	-50.0674	11.91406	13561306	-1.6E+07	4428708
795.9999	663802	-50.0594	11.90347	13564094	-1.6E+07	4424831
796.1999	663811.8	-50.0515	11.89289	13566881	-1.6E+07	4420954
796.3999	663821.5	-50.0435	11.8823	13569668	-1.6E+07	4417076
796.5999	663831.3	-50.0355	11.87171	13572454	-1.6E+07	4413199
796.7999	663841.1	-50.0275	11.86113	13575239	-1.6E+07	4409321
796.9999	663850.9	-50.0195	11.85054	13578023	-1.6E+07	4405443
797.1999	663860.7	-50.0116	11.83996	13580807	-1.6E+07	4401564
797.3999	663870.5	-50.0036	11.82937	13583590	-1.6E+07	4397685
797.5999	663880.4	-49.9956	11.81878	13586372	-1.6E+07	4393807
797.7999	663890.2	-49.9876	11.80819	13589153	-1.6E+07	4389927
797.9999	663900.1	-49.9797	11.79761	13591934	-1.6E+07	4386048
798.1999	663910	-49.9717	11.78702	13594714	-1.6E+07	4382168
798.3999	663919.8	-49.9637	11.77643	13597493	-1.6E+07	4378289

798.5999	663929.7	-49.9557	11.76584	13600272	-1.6E+07	4374408
798.7999	663939.6	-49.9478	11.75525	13603050	-1.6E+07	4370528
798.9999	663949.6	-49.9398	11.74466	13605827	-1.6E+07	4366647
799.1999	663959.5	-49.9318	11.73408	13608603	-1.6E+07	4362767
799.3999	663969.4	-49.9239	11.72349	13611379	-1.6E+07	4358885
799.5999	663979.4	-49.9159	11.7129	13614154	-1.6E+07	4355004
799.7999	663989.4	-49.9079	11.70231	13616928	-1.6E+07	4351122
799.9999	663999.3	-49.8999	11.69172	13619702	-1.6E+07	4347241
800.1999	664009.3	-49.892	11.68113	13622475	-1.6E+07	4343359
800.3999	664019.3	-49.884	11.67053	13625247	-1.6E+07	4339476
800.5999	664029.4	-49.876	11.65994	13628018	-1.6E+07	4335594
800.7999	664039.4	-49.8681	11.64935	13630789	-1.6E+07	4331711
800.9999	664049.4	-49.8601	11.63876	13633558	-1.6E+07	4327828
801.1999	664059.5	-49.8522	11.62817	13636328	-1.6E+07	4323944
801.3999	664069.5	-49.8442	11.61758	13639096	-1.6E+07	4320061
801.5999	664079.6	-49.8362	11.60698	13641864	-1.6E+07	4316177
801.7999	664089.7	-49.8283	11.59639	13644631	-1.6E+07	4312293
801.9999	664099.8	-49.8203	11.5858	13647397	-1.6E+07	4308409
802.1999	664109.9	-49.8123	11.57521	13650163	-1.6E+07	4304524
802.3999	664120	-49.8044	11.56461	13652928	-1.6E+07	4300640
802.5999	664130.2	-49.7964	11.55402	13655692	-1.6E+07	4296755
802.7999	664140.3	-49.7885	11.54342	13658455	-1.6E+07	4292869
802.9999	664150.5	-49.7805	11.53283	13661218	-1.6E+07	4288984
803.1999	664160.7	-49.7726	11.52224	13663980	-1.6E+07	4285098
803.3999	664170.8	-49.7646	11.51164	13666741	-1.6E+07	4281212
803.5999	664181	-49.7566	11.50105	13669501	-1.6E+07	4277326
803.7999	664191.2	-49.7487	11.49045	13672261	-1.6E+07	4273440
803.9999	664201.5	-49.7407	11.47985	13675020	-1.6E+07	4269553
804.1999	664211.7	-49.7328	11.46926	13677778	-1.6E+07	4265666
804.3999	664221.9	-49.7248	11.45866	13680536	-1.6E+07	4261779
804.5999	664232.2	-49.7169	11.44807	13683293	-1.6E+07	4257891
804.7999	664242.5	-49.7089	11.43747	13686049	-1.6E+07	4254004
804.9999	664252.7	-49.701	11.42687	13688804	-1.6E+07	4250116
805.1999	664263	-49.693	11.41628	13691559	-1.6E+07	4246228
805.3999	664273.3	-49.6851	11.40568	13694313	-1.6E+07	4242339
805.5999	664283.7	-49.6771	11.39508	13697066	-1.6E+07	4238451
805.7999	664294	-49.6692	11.38448	13699819	-1.6E+07	4234562
805.9999	664304.3	-49.6612	11.37389	13702570	-1.6E+07	4230673
806.1999	664314.7	-49.6533	11.36329	13705322	-1.6E+07	4226784
806.3999	664325	-49.6453	11.35269	13708072	-1.6E+07	4222894
806.5999	664335.4	-49.6374	11.34209	13710821	-1.6E+07	4219004
806.7999	664345.8	-49.6294	11.33149	13713570	-1.6E+07	4215114
806.9999	664356.2	-49.6215	11.32089	13716318	-1.6E+07	4211224
807.1999	664366.6	-49.6136	11.31029	13719066	-1.6E+07	4207334
807.3999	664377	-49.6056	11.29969	13721813	-1.6E+07	4203443
807.5999	664387.5	-49.5977	11.28909	13724558	-1.6E+07	4199552
807.7999	664397.9	-49.5897	11.27849	13727304	-1.6E+07	4195661

807.9999	664408.4	-49.5818	11.26789	13730048	-1.6E+07	4191769
808.1999	664418.9	-49.5738	11.25729	13732792	-1.6E+07	4187878
808.3999	664429.4	-49.5659	11.24669	13735535	-1.6E+07	4183986
808.5999	664439.8	-49.558	11.23609	13738277	-1.6E+07	4180094
808.7999	664450.4	-49.55	11.22548	13741019	-1.6E+07	4176201
808.9999	664460.9	-49.5421	11.21488	13743760	-1.6E+07	4172309
809.1999	664471.4	-49.5341	11.20428	13746500	-1.6E+07	4168416
809.3999	664482	-49.5262	11.19368	13749239	-1.6E+07	4164523
809.5999	664492.5	-49.5183	11.18308	13751978	-1.6E+07	4160629
809.7999	664503.1	-49.5103	11.17247	13754716	-1.6E+07	4156736
809.9999	664513.7	-49.5024	11.16187	13757453	-1.6E+07	4152842
810.1999	664524.3	-49.4945	11.15127	13760190	-1.6E+07	4148948
810.3999	664534.9	-49.4865	11.14066	13762925	-1.6E+07	4145054
810.5999	664545.5	-49.4786	11.13006	13765660	-1.6E+07	4141159
810.7999	664556.1	-49.4707	11.11945	13768395	-1.6E+07	4137265
810.9999	664566.8	-49.4627	11.10885	13771128	-1.6E+07	4133370
811.1999	664577.4	-49.4548	11.09824	13773861	-1.6E+07	4129474
811.3999	664588.1	-49.4469	11.08764	13776593	-1.6E+07	4125579
811.5999	664598.7	-49.4389	11.07703	13779324	-1.6E+07	4121683
811.7999	664609.4	-49.431	11.06643	13782055	-1.6E+07	4117788
811.9999	664620.1	-49.4231	11.05582	13784785	-1.6E+07	4113891
812.1999	664630.9	-49.4152	11.04522	13787514	-1.6E+07	4109995
812.3999	664641.6	-49.4072	11.03461	13790243	-1.6E+07	4106099
812.5999	664652.3	-49.3993	11.02401	13792970	-1.6E+07	4102202
812.7999	664663.1	-49.3914	11.0134	13795697	-1.6E+07	4098305
812.9999	664673.8	-49.3835	11.00279	13798424	-1.6E+07	4094408
813.1999	664684.6	-49.3755	10.99218	13801149	-1.6E+07	4090510
813.3999	664695.4	-49.3676	10.98158	13803874	-1.6E+07	4086612
813.5999	664706.2	-49.3597	10.97097	13806598	-1.6E+07	4082714
813.7999	664717	-49.3518	10.96036	13809321	-1.6E+07	4078816
813.9999	664727.8	-49.3438	10.94975	13812044	-1.6E+07	4074918
814.1999	664738.7	-49.3359	10.93914	13814766	-1.6E+07	4071019
814.3999	664749.5	-49.328	10.92854	13817487	-1.6E+07	4067120
814.5999	664760.4	-49.3201	10.91793	13820207	-1.6E+07	4063221
814.7999	664771.2	-49.3122	10.90732	13822927	-1.6E+07	4059322
814.9999	664782.1	-49.3042	10.89671	13825646	-1.6E+07	4055422
815.1999	664793	-49.2963	10.8861	13828364	-1.6E+07	4051523
815.3999	664803.9	-49.2884	10.87549	13831082	-1.6E+07	4047623
815.5999	664814.8	-49.2805	10.86488	13833798	-1.6E+07	4043722
815.7999	664825.8	-49.2726	10.85427	13836514	-1.6E+07	4039822
815.9999	664836.7	-49.2647	10.84366	13839230	-1.6E+07	4035921
816.1999	664847.7	-49.2567	10.83305	13841944	-1.6E+07	4032020
816.3999	664858.6	-49.2488	10.82244	13844658	-1.6E+07	4028119
816.5999	664869.6	-49.2409	10.81183	13847371	-1.6E+07	4024218
816.7999	664880.6	-49.233	10.80121	13850083	-1.6E+07	4020316
816.9999	664891.6	-49.2251	10.7906	13852795	-1.6E+07	4016415
817.1999	664902.6	-49.2172	10.77999	13855506	-1.6E+07	4012513

817.3999	664913.6	-49.2093	10.76938	13858216	-1.6E+07	4008610
817.5999	664924.7	-49.2013	10.75877	13860925	-1.6E+07	4004708
817.7999	664935.7	-49.1934	10.74815	13863634	-1.6E+07	4000805
817.9999	664946.8	-49.1855	10.73754	13866342	-1.6E+07	3996902
818.1999	664957.9	-49.1776	10.72693	13869049	-1.6E+07	3992999
818.3999	664968.9	-49.1697	10.71631	13871756	-1.6E+07	3989096
818.5999	664980	-49.1618	10.7057	13874461	-1.6E+07	3985192
818.7999	664991.2	-49.1539	10.69509	13877166	-1.6E+07	3981288
818.9999	665002.3	-49.146	10.68447	13879871	-1.6E+07	3977384
819.1999	665013.4	-49.1381	10.67386	13882574	-1.6E+07	3973480
819.3999	665024.6	-49.1302	10.66324	13885277	-1.6E+07	3969575
819.5999	665035.7	-49.1223	10.65263	13887979	-1.6E+07	3965671
819.7999	665046.9	-49.1144	10.64201	13890680	-1.6E+07	3961766
819.9999	665058.1	-49.1065	10.6314	13893381	-1.6E+07	3957861
820.1999	665069.3	-49.0986	10.62078	13896081	-1.6E+07	3953955
820.3999	665080.5	-49.0907	10.61017	13898780	-1.6E+07	3950050
820.5999	665091.7	-49.0828	10.59955	13901478	-1.6E+07	3946144
820.7999	665102.9	-49.0749	10.58893	13904176	-1.6E+07	3942238
820.9999	665114.2	-49.067	10.57832	13906873	-1.6E+07	3938332
821.1999	665125.4	-49.0591	10.5677	13909569	-1.6E+07	3934425
821.3999	665136.7	-49.0512	10.55708	13912264	-1.6E+07	3930518
821.5999	665148	-49.0433	10.54647	13914959	-1.6E+07	3926611
821.7999	665159.3	-49.0354	10.53585	13917653	-1.6E+07	3922704
821.9999	665170.6	-49.0275	10.52523	13920346	-1.6E+07	3918797
822.1999	665181.9	-49.0196	10.51461	13923039	-1.6E+07	3914889
822.3999	665193.2	-49.0117	10.50399	13925730	-1.6E+07	3910981
822.5999	665204.5	-49.0038	10.49338	13928421	-1.6E+07	3907073
822.7999	665215.9	-48.9959	10.48276	13931112	-1.6E+07	3903165
822.9999	665227.3	-48.988	10.47214	13933801	-1.6E+07	3899257
823.1999	665238.6	-48.9801	10.46152	13936490	-1.6E+07	3895348
823.3999	665250	-48.9722	10.4509	13939178	-1.6E+07	3891439
823.5999	665261.4	-48.9643	10.44028	13941865	-1.6E+07	3887530
823.7999	665272.8	-48.9564	10.42966	13944552	-1.6E+07	3883621
823.9999	665284.3	-48.9485	10.41904	13947238	-1.6E+07	3879711
824.1999	665295.7	-48.9406	10.40842	13949923	-1.6E+07	3875801
824.3999	665307.1	-48.9327	10.3978	13952607	-1.6E+07	3871891
824.5999	665318.6	-48.9249	10.38718	13955291	-1.6E+07	3867981
824.7999	665330.1	-48.917	10.37656	13957974	-1.6E+07	3864071
824.9999	665341.6	-48.9091	10.36594	13960656	-1.6E+07	3860160
825.1999	665353.1	-48.9012	10.35532	13963337	-1.6E+07	3856249
825.3999	665364.6	-48.8933	10.34469	13966018	-1.6E+07	3852338
825.5999	665376.1	-48.8854	10.33407	13968698	-1.6E+07	3848427
825.7999	665387.6	-48.8775	10.32345	13971377	-1.6E+07	3844515
825.9999	665399.2	-48.8696	10.31283	13974056	-1.6E+07	3840604
826.1999	665410.7	-48.8618	10.30221	13976733	-1.6E+07	3836692
826.3999	665422.3	-48.8539	10.29158	13979410	-1.6E+07	3832780
826.5999	665433.9	-48.846	10.28096	13982086	-1.6E+07	3828867

826.7999	665445.5	-48.8381	10.27034	13984762	-1.6E+07	3824955
826.9999	665457.1	-48.8302	10.25971	13987437	-1.6E+07	3821042
827.1999	665468.7	-48.8223	10.24909	13990111	-1.6E+07	3817129
827.3999	665480.3	-48.8145	10.23847	13992784	-1.6E+07	3813216
827.5999	665491.9	-48.8066	10.22784	13995457	-1.6E+07	3809302
827.7999	665503.6	-48.7987	10.21722	13998128	-1.6E+07	3805388
827.9999	665515.3	-48.7908	10.20659	14000799	-1.6E+07	3801475
828.1999	665526.9	-48.7829	10.19597	14003470	-1.6E+07	3797560
828.3999	665538.6	-48.7751	10.18534	14006139	-1.6E+07	3793646
828.5999	665550.3	-48.7672	10.17472	14008808	-1.6E+07	3789732
828.7999	665562	-48.7593	10.16409	14011476	-1.6E+07	3785817
828.9999	665573.8	-48.7514	10.15347	14014144	-1.6E+07	3781902
829.1999	665585.5	-48.7436	10.14284	14016810	-1.6E+07	3777987
829.3999	665597.3	-48.7357	10.13221	14019476	-1.6E+07	3774071
829.5999	665609	-48.7278	10.12159	14022141	-1.6E+07	3770156
829.7999	665620.8	-48.7199	10.11096	14024806	-1.6E+07	3766240
829.9999	665632.6	-48.7121	10.10033	14027469	-1.6E+07	3762324
830.1999	665644.4	-48.7042	10.08971	14030132	-1.6E+07	3758408
830.3999	665656.2	-48.6963	10.07908	14032794	-1.6E+07	3754492
830.5999	665668	-48.6884	10.06845	14035456	-1.6E+07	3750575
830.7999	665679.8	-48.6806	10.05782	14038116	-1.6E+07	3746658
830.9999	665691.7	-48.6727	10.0472	14040776	-1.6E+07	3742741
831.1999	665703.5	-48.6648	10.03657	14043435	-1.6E+07	3738824
831.3999	665715.4	-48.657	10.02594	14046094	-1.6E+07	3734906
831.5999	665727.3	-48.6491	10.01531	14048752	-1.6E+07	3730989
831.7999	665739.2	-48.6412	10.00468	14051409	-1.6E+07	3727071
831.9999	665751.1	-48.6334	9.994053	14054065	-1.6E+07	3723153
832.1999	665763	-48.6255	9.983424	14056720	-1.6E+07	3719234
832.3999	665774.9	-48.6176	9.972795	14059375	-1.6E+07	3715316
832.5999	665786.9	-48.6098	9.962165	14062029	-1.6E+07	3711397
832.7999	665798.8	-48.6019	9.951535	14064682	-1.6E+07	3707478
832.9999	665810.8	-48.594	9.940905	14067335	-1.6E+07	3703559
833.1999	665822.8	-48.5862	9.930275	14069986	-1.6E+07	3699640
833.3999	665834.7	-48.5783	9.919644	14072637	-1.6E+07	3695720
833.5999	665846.7	-48.5704	9.909013	14075288	-1.6E+07	3691800
833.7999	665858.7	-48.5626	9.898382	14077937	-1.6E+07	3687880
833.9999	665870.8	-48.5547	9.887751	14080586	-1.6E+07	3683960
834.1999	665882.8	-48.5468	9.87712	14083234	-1.6E+07	3680040
834.3999	665894.9	-48.539	9.866488	14085881	-1.6E+07	3676119
834.5999	665906.9	-48.5311	9.855856	14088528	-1.6E+07	3672198
834.7999	665919	-48.5233	9.845224	14091174	-1.6E+07	3668277
834.9999	665931.1	-48.5154	9.834592	14093819	-1.6E+07	3664356
835.1999	665943.2	-48.5075	9.823959	14096463	-1.6E+07	3660435
835.3999	665955.3	-48.4997	9.813327	14099106	-1.6E+07	3656513
835.5999	665967.4	-48.4918	9.802694	14101749	-1.6E+07	3652591
835.7999	665979.5	-48.484	9.792061	14104391	-1.6E+07	3648669
835.9999	665991.7	-48.4761	9.781427	14107033	-1.6E+07	3644747

836.1999	666003.8	-48.4683	9.770794	14109673	-1.6E+07	3640825
836.3999	666016	-48.4604	9.76016	14112313	-1.6E+07	3636902
836.5999	666028.2	-48.4526	9.749526	14114952	-1.6E+07	3632979
836.7999	666040.3	-48.4447	9.738892	14117591	-1.6E+07	3629056
836.9999	666052.5	-48.4368	9.728257	14120228	-1.6E+07	3625133
837.1999	666064.8	-48.429	9.717623	14122865	-1.6E+07	3621209
837.3999	666077	-48.4211	9.706988	14125501	-1.6E+07	3617286
837.5999	666089.2	-48.4133	9.696353	14128136	-1.6E+07	3613362
837.7999	666101.5	-48.4054	9.685718	14130771	-1.6E+07	3609438
837.9999	666113.7	-48.3976	9.675082	14133405	-1.6E+07	3605514
838.1999	666126	-48.3897	9.664446	14136038	-1.6E+07	3601589
838.3999	666138.3	-48.3819	9.65381	14138670	-1.6E+07	3597664
838.5999	666150.6	-48.374	9.643174	14141302	-1.6E+07	3593740
838.7999	666162.9	-48.3662	9.632538	14143933	-1.6E+07	3589814
838.9999	666175.2	-48.3583	9.621902	14146563	-1.6E+07	3585889
839.1999	666187.6	-48.3505	9.611265	14149192	-1.6E+07	3581964
839.3999	666199.9	-48.3426	9.600628	14151821	-1.6E+07	3578038
839.5999	666212.3	-48.3348	9.589991	14154449	-1.6E+07	3574112
839.7999	666224.7	-48.327	9.579353	14157076	-1.6E+07	3570186
839.9999	666237	-48.3191	9.568716	14159702	-1.6E+07	3566260
840.1999	666249.4	-48.3113	9.558078	14162328	-1.6E+07	3562333
840.3999	666261.8	-48.3034	9.54744	14164953	-1.6E+07	3558407
840.5999	666274.3	-48.2956	9.536802	14167577	-1.6E+07	3554480
840.7999	666286.7	-48.2877	9.526163	14170200	-1.6E+07	3550553
840.9999	666299.1	-48.2799	9.515525	14172823	-1.6E+07	3546625
841.1999	666311.6	-48.272	9.504886	14175445	-1.6E+07	3542698
841.3999	666324.1	-48.2642	9.494247	14178066	-1.6E+07	3538770
841.5999	666336.5	-48.2564	9.483608	14180687	-1.6E+07	3534842
841.7999	666349	-48.2485	9.472968	14183306	-1.6E+07	3530914
841.9999	666361.5	-48.2407	9.462329	14185925	-1.6E+07	3526986
842.1999	666374	-48.2328	9.451689	14188543	-1.6E+07	3523058
842.3999	666386.6	-48.225	9.441049	14191161	-1.6E+07	3519129
842.5999	666399.1	-48.2172	9.430408	14193777	-1.6E+07	3515200
842.7999	666411.7	-48.2093	9.419768	14196393	-1.6E+07	3511271
842.9999	666424.2	-48.2015	9.409127	14199008	-1.6E+07	3507342
843.1999	666436.8	-48.1937	9.398486	14201623	-1.6E+07	3503412
843.3999	666449.4	-48.1858	9.387845	14204236	-1.6E+07	3499483
843.5999	666462	-48.178	9.377204	14206849	-1.6E+07	3495553
843.7999	666474.6	-48.1701	9.366562	14209461	-1.6E+07	3491623
843.9999	666487.2	-48.1623	9.355921	14212073	-1.6E+07	3487692
844.1999	666499.9	-48.1545	9.345279	14214683	-1.6E+07	3483762
844.3999	666512.5	-48.1466	9.334637	14217293	-1.6E+07	3479831
844.5999	666525.2	-48.1388	9.323994	14219902	-1.6E+07	3475901
844.7999	666537.8	-48.131	9.313352	14222511	-1.6E+07	3471970
844.9999	666550.5	-48.1231	9.302709	14225119	-1.6E+07	3468038
845.1999	666563.2	-48.1153	9.292066	14227725	-1.6E+07	3464107
845.3999	666575.9	-48.1075	9.281423	14230332	-1.6E+07	3460175

845.5999	666588.6	-48.0997	9.27078	14232937	-1.6E+07	3456244
845.7999	666601.4	-48.0918	9.260136	14235542	-1.6E+07	3452312
845.9999	666614.1	-48.084	9.249493	14238145	-1.6E+07	3448379
846.1999	666626.9	-48.0762	9.238849	14240749	-1.6E+07	3444447
846.3999	666639.6	-48.0683	9.228205	14243351	-1.6E+07	3440514
846.5999	666652.4	-48.0605	9.21756	14245953	-1.6E+07	3436582
846.7999	666665.2	-48.0527	9.206916	14248554	-1.6E+07	3432649
846.9999	666678	-48.0449	9.196271	14251154	-1.6E+07	3428716
847.1999	666690.8	-48.037	9.185626	14253753	-1.6E+07	3424782
847.3999	666703.7	-48.0292	9.174981	14256352	-1.6E+07	3420849
847.5999	666716.5	-48.0214	9.164336	14258949	-1.6E+07	3416915
847.7999	666729.3	-48.0136	9.15369	14261547	-1.6E+07	3412981
847.9999	666742.2	-48.0057	9.143045	14264143	-1.6E+07	3409047
848.1999	666755.1	-47.9979	9.132399	14266739	-1.6E+07	3405113
848.3999	666768	-47.9901	9.121753	14269333	-1.6E+07	3401178
848.5999	666780.9	-47.9823	9.111106	14271928	-1.6E+07	3397243
848.7999	666793.8	-47.9744	9.10046	14274521	-1.6E+07	3393309
848.9999	666806.7	-47.9666	9.089813	14277113	-1.6E+07	3389373
849.1999	666819.6	-47.9588	9.079166	14279705	-1.6E+07	3385438
849.3999	666832.6	-47.951	9.068519	14282296	-1.6E+07	3381503
849.5999	666845.6	-47.9432	9.057872	14284887	-1.6E+07	3377567
849.7999	666858.5	-47.9353	9.047225	14287476	-1.6E+07	3373631
849.9999	666871.5	-47.9275	9.036577	14290065	-1.6E+07	3369695
850.1999	666884.5	-47.9197	9.025929	14292653	-1.6E+07	3365759
850.3999	666897.5	-47.9119	9.015281	14295241	-1.6E+07	3361823
850.5999	666910.5	-47.9041	9.004633	14297827	-1.6E+07	3357886
850.7999	666923.6	-47.8963	8.993984	14300413	-1.6E+07	3353949
850.9999	666936.6	-47.8884	8.983336	14302998	-1.6E+07	3350012
851.1999	666949.7	-47.8806	8.972687	14305582	-1.6E+07	3346075
851.3999	666962.7	-47.8728	8.962038	14308166	-1.6E+07	3342138
851.5999	666975.8	-47.865	8.951389	14310749	-1.6E+07	3338200
851.7999	666988.9	-47.8572	8.940739	14313331	-1.6E+07	3334263
851.9999	667002	-47.8494	8.93009	14315912	-1.6E+07	3330325
852.1999	667015.1	-47.8416	8.91944	14318492	-1.6E+07	3326387
852.3999	667028.3	-47.8337	8.90879	14321072	-1.6E+07	3322448
852.5999	667041.4	-47.8259	8.89814	14323651	-1.6E+07	3318510
852.7999	667054.5	-47.8181	8.887489	14326230	-1.6E+07	3314571
852.9999	667067.7	-47.8103	8.876839	14328807	-1.6E+07	3310633
853.1999	667080.9	-47.8025	8.866188	14331384	-1.6E+07	3306694
853.3999	667094.1	-47.7947	8.855537	14333960	-1.6E+07	3302754
853.5999	667107.3	-47.7869	8.844886	14336535	-1.6E+07	3298815
853.7999	667120.5	-47.7791	8.834235	14339109	-1.6E+07	3294875
853.9999	667133.7	-47.7713	8.823583	14341683	-1.6E+07	3290936
854.1999	667146.9	-47.7635	8.812932	14344256	-1.6E+07	3286996
854.3999	667160.2	-47.7556	8.80228	14346828	-1.6E+07	3283056
854.5999	667173.4	-47.7478	8.791628	14349400	-1.6E+07	3279115
854.7999	667186.7	-47.74	8.780975	14351971	-1.6E+07	3275175

854.9999	667200	-47.7322	8.770323	14354540	-1.6E+07	3271234
855.1999	667213.3	-47.7244	8.75967	14357110	-1.6E+07	3267293
855.3999	667226.6	-47.7166	8.749017	14359678	-1.6E+07	3263352
855.5999	667239.9	-47.7088	8.738364	14362246	-1.6E+07	3259411
855.7999	667253.3	-47.701	8.727711	14364813	-1.6E+07	3255470
855.9999	667266.6	-47.6932	8.717058	14367379	-1.6E+07	3251528
856.1999	667280	-47.6854	8.706404	14369944	-1.6E+07	3247586
856.3999	667293.3	-47.6776	8.695751	14372509	-1.6E+07	3243644
856.5999	667306.7	-47.6698	8.685097	14375073	-1.6E+07	3239702
856.7999	667320.1	-47.662	8.674443	14377636	-1.6E+07	3235760
856.9999	667333.5	-47.6542	8.663788	14380198	-1.6E+07	3231817
857.1999	667346.9	-47.6464	8.653134	14382760	-1.6E+07	3227875
857.3999	667360.3	-47.6386	8.642479	14385321	-1.6E+07	3223932
857.5999	667373.8	-47.6308	8.631824	14387881	-1.6E+07	3219989
857.7999	667387.2	-47.623	8.621169	14390440	-1.6E+07	3216045
857.9999	667400.7	-47.6152	8.610514	14392999	-1.6E+07	3212102
858.1999	667414.2	-47.6074	8.599858	14395556	-1.6E+07	3208158
858.3999	667427.7	-47.5996	8.589203	14398113	-1.6E+07	3204215
858.5999	667441.2	-47.5918	8.578547	14400670	-1.6E+07	3200271
858.7999	667454.7	-47.584	8.567891	14403225	-1.6E+07	3196327
858.9999	667468.2	-47.5762	8.557235	14405780	-1.6E+07	3192382
859.1999	667481.7	-47.5684	8.546579	14408334	-1.6E+07	3188438
859.3999	667495.3	-47.5606	8.535922	14410887	-1.6E+07	3184493
859.5999	667508.8	-47.5528	8.525265	14413440	-1.6E+07	3180548
859.7999	667522.4	-47.545	8.514609	14415992	-1.6E+07	3176603
859.9999	667536	-47.5372	8.503951	14418542	-1.6E+07	3172658
860.1999	667549.6	-47.5294	8.493294	14421093	-1.6E+07	3168713
860.3999	667563.2	-47.5217	8.482637	14423642	-1.6E+07	3164767
860.5999	667576.8	-47.5139	8.471979	14426191	-1.6E+07	3160821
860.7999	667590.4	-47.5061	8.461321	14428739	-1.6E+07	3156876
860.9999	667604.1	-47.4983	8.450663	14431286	-1.6E+07	3152929
861.1999	667617.7	-47.4905	8.440005	14433832	-1.6E+07	3148983
861.3999	667631.4	-47.4827	8.429347	14436378	-1.6E+07	3145037
861.5999	667645.1	-47.4749	8.418688	14438923	-1.6E+07	3141090
861.7999	667658.8	-47.4671	8.40803	14441467	-1.6E+07	3137143
861.9999	667672.5	-47.4593	8.397371	14444010	-1.6E+07	3133196
862.1999	667686.2	-47.4515	8.386712	14446553	-1.6E+07	3129249
862.3999	667699.9	-47.4438	8.376053	14449095	-1.6E+07	3125302
862.5999	667713.7	-47.436	8.365393	14451636	-1.6E+07	3121354
862.7999	667727.4	-47.4282	8.354734	14454176	-1.6E+07	3117407
862.9999	667741.2	-47.4204	8.344074	14456716	-1.6E+07	3113459
863.1999	667755	-47.4126	8.333414	14459255	-1.6E+07	3109511
863.3999	667768.7	-47.4048	8.322754	14461793	-1.6E+07	3105563
863.5999	667782.5	-47.397	8.312094	14464330	-1.6E+07	3101614
863.7999	667796.4	-47.3893	8.301433	14466866	-1.6E+07	3097666
863.9999	667810.2	-47.3815	8.290773	14469402	-1.6E+07	3093717
864.1999	667824	-47.3737	8.280112	14471937	-1.6E+07	3089768

864.3999	667837.9	-47.3659	8.269451	14474471	-1.6E+07	3085819
864.5999	667851.7	-47.3581	8.25879	14477005	-1.6E+07	3081870
864.7999	667865.6	-47.3503	8.248128	14479538	-1.6E+07	3077921
864.9999	667879.5	-47.3426	8.237467	14482069	-1.6E+07	3073971
865.1999	667893.4	-47.3348	8.226805	14484601	-1.6E+07	3070021
865.3999	667907.3	-47.327	8.216143	14487131	-1.6E+07	3066071
865.5999	667921.2	-47.3192	8.205481	14489661	-1.6E+07	3062121
865.7999	667935.1	-47.3114	8.194819	14492190	-1.6E+07	3058171
865.9999	667949.1	-47.3037	8.184157	14494718	-1.6E+07	3054220
866.1999	667963	-47.2959	8.173494	14497245	-1.6E+07	3050270
866.3999	667977	-47.2881	8.162831	14499772	-1.6E+07	3046319
866.5999	667991	-47.2803	8.152169	14502297	-1.6E+07	3042368
866.7999	668005	-47.2725	8.141505	14504823	-1.6E+07	3038417
866.9999	668019	-47.2648	8.130842	14507347	-1.6E+07	3034466
867.1999	668033	-47.257	8.120179	14509870	-1.6E+07	3030514
867.3999	668047	-47.2492	8.109515	14512393	-1.6E+07	3026563
867.5999	668061	-47.2414	8.098852	14514915	-1.6E+07	3022611
867.7999	668075.1	-47.2337	8.088188	14517436	-1.6E+07	3018659
867.9999	668089.1	-47.2259	8.077523	14519957	-1.6E+07	3014707
868.1999	668103.2	-47.2181	8.066859	14522477	-1.6E+07	3010754
868.3999	668117.3	-47.2103	8.056195	14524995	-1.6E+07	3006802
868.5999	668131.4	-47.2026	8.04553	14527514	-1.6E+07	3002849
868.7999	668145.5	-47.1948	8.034865	14530031	-1.6E+07	2998896
868.9999	668159.6	-47.187	8.0242	14532548	-1.6E+07	2994943
869.1999	668173.8	-47.1793	8.013535	14535064	-1.6E+07	2990990
869.3999	668187.9	-47.1715	8.00287	14537579	-1.6E+07	2987037
869.5999	668202.1	-47.1637	7.992205	14540093	-1.6E+07	2983083
869.7999	668216.2	-47.1559	7.981539	14542607	-1.6E+07	2979130
869.9999	668230.4	-47.1482	7.970873	14545119	-1.6E+07	2975176
870.1999	668244.6	-47.1404	7.960207	14547632	-1.6E+07	2971222
870.3999	668258.8	-47.1326	7.949541	14550143	-1.6E+07	2967268
870.5999	668273	-47.1249	7.938875	14552653	-1.6E+07	2963313
870.7999	668287.3	-47.1171	7.928208	14555163	-1.6E+07	2959359
870.9999	668301.5	-47.1093	7.917542	14557672	-1.6E+07	2955404
871.1999	668315.8	-47.1016	7.906875	14560180	-1.6E+07	2951450
871.3999	668330	-47.0938	7.896208	14562688	-1.6E+07	2947495
871.5999	668344.3	-47.086	7.885541	14565194	-1.6E+07	2943539
871.7999	668358.6	-47.0783	7.874874	14567700	-1.6E+07	2939584
871.9999	668372.9	-47.0705	7.864206	14570206	-1.6E+07	2935629
872.1999	668387.2	-47.0627	7.853539	14572710	-1.6E+07	2931673
872.3999	668401.5	-47.055	7.842871	14575214	-1.6E+07	2927717
872.5999	668415.9	-47.0472	7.832203	14577716	-1.6E+07	2923761
872.7999	668430.2	-47.0394	7.821535	14580219	-1.6E+07	2919805
872.9999	668444.6	-47.0317	7.810867	14582720	-1.6E+07	2915849
873.1999	668459	-47.0239	7.800198	14585220	-1.6E+07	2911892
873.3999	668473.4	-47.0161	7.78953	14587720	-1.6E+07	2907936
873.5999	668487.8	-47.0084	7.778861	14590219	-1.6E+07	2903979

873.7999	668502.2	-47.0006	7.768192	14592717	-1.6E+07	2900022
873.9999	668516.6	-46.9929	7.757523	14595215	-1.6E+07	2896065
874.1999	668531	-46.9851	7.746853	14597712	-1.6E+07	2892107
874.3999	668545.5	-46.9773	7.736184	14600208	-1.6E+07	2888150
874.5999	668559.9	-46.9696	7.725515	14602703	-1.6E+07	2884192
874.7999	668574.4	-46.9618	7.714845	14605197	-1.6E+07	2880235
874.9999	668588.9	-46.9541	7.704175	14607691	-1.6E+07	2876277
875.1999	668603.4	-46.9463	7.693505	14610184	-1.6E+07	2872319
875.3999	668617.9	-46.9385	7.682835	14612676	-1.6E+07	2868360
875.5999	668632.4	-46.9308	7.672164	14615167	-1.6E+07	2864402
875.7999	668646.9	-46.923	7.661494	14617658	-1.6E+07	2860443
875.9999	668661.5	-46.9153	7.650823	14620147	-1.6E+07	2856485
876.1999	668676	-46.9075	7.640152	14622636	-1.6E+07	2852526
876.3999	668690.6	-46.8998	7.629481	14625125	-1.6E+07	2848567
876.5999	668705.1	-46.892	7.61881	14627612	-1.6E+07	2844607
876.7999	668719.7	-46.8843	7.608139	14630099	-1.6E+07	2840648
876.9999	668734.3	-46.8765	7.597467	14632585	-1.6E+07	2836689
877.1999	668749	-46.8687	7.586795	14635070	-1.6E+07	2832729
877.3999	668763.6	-46.861	7.576124	14637554	-1.6E+07	2828769
877.5999	668778.2	-46.8532	7.565452	14640038	-1.6E+07	2824809
877.7999	668792.9	-46.8455	7.55478	14642521	-1.6E+07	2820849
877.9999	668807.5	-46.8377	7.544107	14645003	-1.6E+07	2816888
878.1999	668822.2	-46.83	7.533435	14647484	-1.6E+07	2812928
878.3999	668836.9	-46.8222	7.522762	14649965	-1.6E+07	2808967
878.5999	668851.6	-46.8145	7.51209	14652445	-1.6E+07	2805007
878.7999	668866.3	-46.8067	7.501417	14654924	-1.6E+07	2801046
878.9999	668881	-46.799	7.490744	14657402	-1.6E+07	2797084
879.1999	668895.7	-46.7912	7.48007	14659879	-1.6E+07	2793123
879.3999	668910.5	-46.7835	7.469397	14662356	-1.6E+07	2789162
879.5999	668925.2	-46.7757	7.458723	14664832	-1.6E+07	2785200
879.7999	668940	-46.768	7.44805	14667307	-1.6E+07	2781238
879.9999	668954.8	-46.7602	7.437376	14669782	-1.6E+07	2777277
880.1999	668969.6	-46.7525	7.426702	14672255	-1.6E+07	2773315
880.3999	668984.4	-46.7447	7.416028	14674728	-1.6E+07	2769352
880.5999	668999.2	-46.737	7.405353	14677200	-1.6E+07	2765390
880.7999	669014	-46.7293	7.394679	14679671	-1.6E+07	2761427
880.9999	669028.9	-46.7215	7.384004	14682142	-1.6E+07	2757465
881.1999	669043.7	-46.7138	7.37333	14684612	-1.6E+07	2753502
881.3999	669058.6	-46.706	7.362655	14687081	-1.6E+07	2749539
881.5999	669073.4	-46.6983	7.35198	14689549	-1.6E+07	2745576
881.7999	669088.3	-46.6905	7.341304	14692016	-1.6E+07	2741612
881.9999	669103.2	-46.6828	7.330629	14694483	-1.6E+07	2737649
882.1999	669118.1	-46.675	7.319954	14696949	-1.6E+07	2733685
882.3999	669133.1	-46.6673	7.309278	14699414	-1.6E+07	2729722
882.5999	669148	-46.6596	7.298602	14701878	-1.6E+07	2725758
882.7999	669162.9	-46.6518	7.287926	14704342	-1.6E+07	2721794
882.9999	669177.9	-46.6441	7.27725	14706805	-1.6E+07	2717830

883.1999	669192.9	-46.6363	7.266574	14709267	-1.6E+07	2713865
883.3999	669207.9	-46.6286	7.255897	14711728	-1.6E+07	2709901
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883.7999	669237.9	-46.6131	7.234544	14716648	-1.6E+07	2701971
883.9999	669252.9	-46.6054	7.223867	14719107	-1.6E+07	2698006
884.1999	669267.9	-46.5976	7.21319	14721565	-1.6E+07	2694041
884.3999	669283	-46.5899	7.202513	14724023	-1.6E+07	2690076
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884.7999	669313.1	-46.5744	7.181158	14728935	-1.6E+07	2682145
884.9999	669328.2	-46.5667	7.17048	14731390	-1.6E+07	2678179
885.1999	669343.2	-46.5589	7.159803	14733844	-1.6E+07	2674213
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885.7999	669388.6	-46.5357	7.127768	14741203	-1.6E+07	2662315
885.9999	669403.7	-46.528	7.11709	14743654	-1.6E+07	2658348
886.1999	669418.9	-46.5203	7.106412	14746104	-1.6E+07	2654382
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886.7999	669464.4	-46.4971	7.074375	14753451	-1.6E+07	2642481
886.9999	669479.6	-46.4893	7.063696	14755898	-1.6E+07	2638514
887.1999	669494.8	-46.4816	7.053017	14758345	-1.6E+07	2634546
887.3999	669510	-46.4739	7.042338	14760790	-1.6E+07	2630579
887.5999	669525.3	-46.4661	7.031658	14763235	-1.6E+07	2626611
887.7999	669540.5	-46.4584	7.020978	14765679	-1.6E+07	2622643
887.9999	669555.8	-46.4507	7.010299	14768123	-1.6E+07	2618675
888.1999	669571	-46.4429	6.999619	14770566	-1.6E+07	2614707
888.3999	669586.3	-46.4352	6.988939	14773007	-1.6E+07	2610739
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888.7999	669616.9	-46.4197	6.967578	14777889	-1.6E+07	2602802
888.9999	669632.2	-46.412	6.956897	14780328	-1.6E+07	2598833
889.1999	669647.5	-46.4043	6.946217	14782767	-1.6E+07	2594864
889.3999	669662.9	-46.3966	6.935536	14785205	-1.6E+07	2590896
889.5999	669678.2	-46.3888	6.924855	14787642	-1.6E+07	2586926
889.7999	669693.6	-46.3811	6.914174	14790079	-1.6E+07	2582957
889.9999	669709	-46.3734	6.903493	14792514	-1.6E+07	2578988
890.1999	669724.4	-46.3656	6.892811	14794949	-1.6E+07	2575018
890.3999	669739.8	-46.3579	6.88213	14797383	-1.6E+07	2571048
890.5999	669755.2	-46.3502	6.871448	14799817	-1.6E+07	2567079
890.7999	669770.6	-46.3425	6.860766	14802249	-1.6E+07	2563109
890.9999	669786	-46.3347	6.850084	14804681	-1.6E+07	2559138
891.1999	669801.5	-46.327	6.839402	14807112	-1.6E+07	2555168
891.3999	669816.9	-46.3193	6.82872	14809542	-1.6E+07	2551198
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891.7999	669847.9	-46.3038	6.807355	14814400	-1.6E+07	2543256
891.9999	669863.4	-46.2961	6.796673	14816828	-1.6E+07	2539286
892.1999	669878.9	-46.2884	6.78599	14819255	-1.6E+07	2535315
892.3999	669894.4	-46.2807	6.775307	14821682	-1.5E+07	2531344

892.5999	669910	-46.273	6.764624	14824107	-1.5E+07	2527372
892.7999	669925.5	-46.2652	6.753941	14826532	-1.5E+07	2523401
892.9999	669941	-46.2575	6.743257	14828956	-1.5E+07	2519429
893.1999	669956.6	-46.2498	6.732574	14831379	-1.5E+07	2515458
893.3999	669972.2	-46.2421	6.72189	14833802	-1.5E+07	2511486
893.5999	669987.8	-46.2343	6.711207	14836223	-1.5E+07	2507514
893.7999	670003.4	-46.2266	6.700523	14838644	-1.5E+07	2503542
893.9999	670019	-46.2189	6.689839	14841064	-1.5E+07	2499569
894.1999	670034.6	-46.2112	6.679155	14843484	-1.5E+07	2495597
894.3999	670050.3	-46.2035	6.66847	14845902	-1.5E+07	2491624
894.5999	670065.9	-46.1958	6.657786	14848320	-1.5E+07	2487652
894.7999	670081.6	-46.188	6.647101	14850737	-1.5E+07	2483679
894.9999	670097.3	-46.1803	6.636417	14853153	-1.5E+07	2479706
895.1999	670112.9	-46.1726	6.625732	14855568	-1.5E+07	2475733
895.3999	670128.6	-46.1649	6.615047	14857983	-1.5E+07	2471760
895.5999	670144.3	-46.1572	6.604362	14860397	-1.5E+07	2467786
895.7999	670160.1	-46.1495	6.593677	14862810	-1.5E+07	2463813
895.9999	670175.8	-46.1417	6.582991	14865222	-1.5E+07	2459839
896.1999	670191.5	-46.134	6.572306	14867634	-1.5E+07	2455865
896.3999	670207.3	-46.1263	6.56162	14870045	-1.5E+07	2451891
896.5999	670223.1	-46.1186	6.550934	14872455	-1.5E+07	2447917
896.7999	670238.8	-46.1109	6.540249	14874864	-1.5E+07	2443943
896.9999	670254.6	-46.1032	6.529562	14877272	-1.5E+07	2439969
897.1999	670270.4	-46.0954	6.518876	14879680	-1.5E+07	2435994
897.2999	670278.4	-46.0916	6.513533	14880883	-1.5E+07	2434007
897.3999	670286.3	-46.0877	6.50819	14882087	-1.5E+07	2432020
897.5999	670302.1	-46.08	6.497504	14884493	-1.5E+07	2428045
897.7999	670317.9	-46.0723	6.486817	14886898	-1.5E+07	2424070
897.9999	670333.8	-46.0646	6.476131	14889302	-1.5E+07	2420095
898.1999	670349.7	-46.0569	6.465444	14891706	-1.5E+07	2416120
898.3999	670365.5	-46.0492	6.454757	14894109	-1.5E+07	2412145
898.5999	670381.4	-46.0415	6.44407	14896511	-1.5E+07	2408169
898.7999	670397.3	-46.0338	6.433383	14898912	-1.5E+07	2404194
898.9999	670413.2	-46.026	6.422696	14901313	-1.5E+07	2400218
899.1999	670429.2	-46.0183	6.412008	14903713	-1.5E+07	2396242
899.3999	670445.1	-46.0106	6.401321	14906112	-1.5E+07	2392266
899.5999	670461.1	-46.0029	6.390633	14908510	-1.5E+07	2388290
899.7999	670477	-45.9952	6.379946	14910907	-1.5E+07	2384314
899.9999	670493	-45.9875	6.369258	14913304	-1.5E+07	2380338
900.1999	670509	-45.9798	6.35857	14915700	-1.5E+07	2376361
900.3999	670525	-45.9721	6.347882	14918095	-1.5E+07	2372385
900.5999	670541	-45.9644	6.337194	14920489	-1.5E+07	2368408
900.7999	670557	-45.9567	6.326506	14922882	-1.5E+07	2364431
900.9999	670573.1	-45.949	6.315817	14925275	-1.5E+07	2360454
901.1999	670589.1	-45.9413	6.305129	14927667	-1.5E+07	2356477
901.3999	670605.2	-45.9336	6.29444	14930058	-1.5E+07	2352500
901.5999	670621.3	-45.9259	6.283752	14932448	-1.5E+07	2348523

901.7999	670637.3	-45.9181	6.273063	14934838	-1.5E+07	2344545
901.9999	670653.4	-45.9104	6.262374	14937227	-1.5E+07	2340568
902.1999	670669.6	-45.9027	6.251685	14939615	-1.5E+07	2336590
902.3999	670685.7	-45.895	6.240995	14942002	-1.5E+07	2332612
902.5999	670701.8	-45.8873	6.230306	14944388	-1.5E+07	2328634
902.7999	670718	-45.8796	6.219617	14946774	-1.5E+07	2324656
902.9999	670734.1	-45.8719	6.208927	14949159	-1.5E+07	2320678
903.1999	670750.3	-45.8642	6.198237	14951543	-1.5E+07	2316699
903.3999	670766.5	-45.8565	6.187547	14953926	-1.5E+07	2312721
903.5999	670782.7	-45.8488	6.176857	14956308	-1.5E+07	2308742
903.7999	670798.9	-45.8411	6.166167	14958690	-1.5E+07	2304763
903.9999	670815.1	-45.8334	6.155477	14961071	-1.5E+07	2300784
904.1999	670831.3	-45.8257	6.144787	14963451	-1.5E+07	2296805
904.3999	670847.5	-45.818	6.134096	14965831	-1.5E+07	2292826
904.5999	670863.8	-45.8103	6.123406	14968209	-1.5E+07	2288847
904.7999	670880.1	-45.8026	6.112715	14970587	-1.5E+07	2284867
904.9999	670896.3	-45.7949	6.102024	14972964	-1.5E+07	2280888
905.1999	670912.6	-45.7872	6.091333	14975340	-1.5E+07	2276908
905.3999	670928.9	-45.7795	6.080642	14977715	-1.5E+07	2272928
905.5999	670945.2	-45.7718	6.069951	14980090	-1.5E+07	2268948
905.7999	670961.5	-45.7641	6.059259	14982464	-1.5E+07	2264968
905.9999	670977.9	-45.7564	6.048568	14984837	-1.5E+07	2260988
906.1999	670994.2	-45.7487	6.037876	14987209	-1.5E+07	2257008
906.3999	671010.6	-45.741	6.027185	14989581	-1.5E+07	2253027
906.5999	671027	-45.7333	6.016493	14991951	-1.5E+07	2249047
906.7999	671043.3	-45.7256	6.005801	14994321	-1.5E+07	2245066
906.9999	671059.7	-45.7179	5.995109	14996691	-1.5E+07	2241085
907.1999	671076.1	-45.7103	5.984417	14999059	-1.5E+07	2237104
907.3999	671092.5	-45.7026	5.973725	15001426	-1.5E+07	2233123
907.5999	671109	-45.6949	5.963032	15003793	-1.5E+07	2229142
907.7999	671125.4	-45.6872	5.95234	15006159	-1.5E+07	2225161
907.9999	671141.9	-45.6795	5.941647	15008524	-1.5E+07	2221179
908.1999	671158.3	-45.6718	5.930954	15010889	-1.5E+07	2217198
908.3999	671174.8	-45.6641	5.920261	15013252	-1.5E+07	2213216
908.5999	671191.3	-45.6564	5.909568	15015615	-1.5E+07	2209234
908.7999	671207.8	-45.6487	5.898875	15017977	-1.5E+07	2205252
908.9999	671224.3	-45.641	5.888182	15020339	-1.5E+07	2201270
909.1999	671240.8	-45.6333	5.877489	15022699	-1.5E+07	2197288
909.3999	671257.4	-45.6256	5.866795	15025059	-1.5E+07	2193306
909.5999	671273.9	-45.6179	5.856102	15027418	-1.5E+07	2189323
909.7999	671290.5	-45.6102	5.845408	15029776	-1.5E+07	2185341
909.9999	671307	-45.6026	5.834714	15032133	-1.5E+07	2181358
910.1999	671323.6	-45.5949	5.82402	15034490	-1.5E+07	2177375
910.3999	671340.2	-45.5872	5.813326	15036845	-1.5E+07	2173392
910.5999	671356.8	-45.5795	5.802632	15039200	-1.5E+07	2169409
910.7999	671373.4	-45.5718	5.791938	15041554	-1.5E+07	2165426
910.9999	671390.1	-45.5641	5.781244	15043908	-1.5E+07	2161443

911.1999	671406.7	-45.5564	5.770549	15046260	-1.5E+07	2157460
911.3999	671423.4	-45.5487	5.759855	15048612	-1.5E+07	2153476
911.5999	671440	-45.541	5.74916	15050963	-1.5E+07	2149492
911.7999	671456.7	-45.5334	5.738465	15053313	-1.5E+07	2145509
911.9999	671473.4	-45.5257	5.72777	15055663	-1.5E+07	2141525
912.1999	671490.1	-45.518	5.717075	15058011	-1.5E+07	2137541
912.3999	671506.8	-45.5103	5.70638	15060359	-1.5E+07	2133557
912.5999	671523.5	-45.5026	5.695685	15062706	-1.5E+07	2129572
912.7999	671540.3	-45.4949	5.684989	15065053	-1.5E+07	2125588
912.9999	671557	-45.4872	5.674294	15067398	-1.5E+07	2121603
913.1999	671573.8	-45.4796	5.663598	15069743	-1.5E+07	2117619
913.3999	671590.5	-45.4719	5.652902	15072087	-1.5E+07	2113634
913.5999	671607.3	-45.4642	5.642207	15074430	-1.5E+07	2109649
913.7999	671624.1	-45.4565	5.631511	15076772	-1.5E+07	2105664
913.9999	671640.9	-45.4488	5.620815	15079114	-1.5E+07	2101679
914.1999	671657.7	-45.4411	5.610118	15081454	-1.5E+07	2097694
914.3999	671674.6	-45.4334	5.599422	15083794	-1.5E+07	2093709
914.5999	671691.4	-45.4258	5.588726	15086133	-1.5E+07	2089723
914.7999	671708.3	-45.4181	5.578029	15088472	-1.5E+07	2085738
914.9999	671725.1	-45.4104	5.567333	15090809	-1.5E+07	2081752
915.1999	671742	-45.4027	5.556636	15093146	-1.5E+07	2077766
915.3999	671758.9	-45.395	5.545939	15095482	-1.5E+07	2073780
915.5999	671775.8	-45.3874	5.535242	15097817	-1.5E+07	2069794
915.7999	671792.7	-45.3797	5.524545	15100152	-1.5E+07	2065808
915.9999	671809.6	-45.372	5.513848	15102485	-1.5E+07	2061822
916.1999	671826.6	-45.3643	5.503151	15104818	-1.5E+07	2057836
916.3999	671843.5	-45.3566	5.492454	15107150	-1.5E+07	2053849
916.5999	671860.5	-45.349	5.481756	15109482	-1.5E+07	2049863
916.7999	671877.4	-45.3413	5.471059	15111812	-1.5E+07	2045876
916.9999	671894.4	-45.3336	5.460361	15114142	-1.5E+07	2041889
917.1999	671911.4	-45.3259	5.449663	15116470	-1.5E+07	2037902
917.3999	671928.4	-45.3182	5.438965	15118799	-1.5E+07	2033915
917.5999	671945.4	-45.3106	5.428267	15121126	-1.5E+07	2029928
917.7999	671962.5	-45.3029	5.417569	15123452	-1.5E+07	2025941
917.9999	671979.5	-45.2952	5.406871	15125778	-1.5E+07	2021953
918.1999	671996.6	-45.2875	5.396173	15128103	-1.5E+07	2017966
918.3999	672013.6	-45.2798	5.385474	15130427	-1.5E+07	2013978
918.5999	672030.7	-45.2722	5.374776	15132750	-1.5E+07	2009990
918.7999	672047.8	-45.2645	5.364077	15135073	-1.5E+07	2006002
918.9999	672064.9	-45.2568	5.353379	15137395	-1.5E+07	2002014
919.1999	672082	-45.2491	5.34268	15139716	-1.5E+07	1998026
919.3999	672099.1	-45.2415	5.331981	15142036	-1.5E+07	1994038
919.5999	672116.3	-45.2338	5.321282	15144355	-1.5E+07	1990050
919.7999	672133.4	-45.2261	5.310583	15146674	-1.5E+07	1986061
919.9999	672150.6	-45.2184	5.299884	15148991	-1.5E+07	1982073
920.1999	672167.7	-45.2108	5.289184	15151308	-1.5E+07	1978084
920.3999	672184.9	-45.2031	5.278485	15153625	-1.5E+07	1974096

920.5999	672202.1	-45.1954	5.267785	15155940	-1.5E+07	1970107
920.7999	672219.3	-45.1878	5.257086	15158255	-1.5E+07	1966118
920.9999	672236.6	-45.1801	5.246386	15160568	-1.5E+07	1962129
921.1999	672253.8	-45.1724	5.235686	15162881	-1.5E+07	1958140
921.3999	672271	-45.1647	5.224986	15165194	-1.5E+07	1954150
921.5999	672288.3	-45.1571	5.214286	15167505	-1.5E+07	1950161
921.7999	672305.5	-45.1494	5.203586	15169816	-1.5E+07	1946171
921.9999	672322.8	-45.1417	5.192886	15172125	-1.5E+07	1942182
922.1999	672340.1	-45.134	5.182185	15174434	-1.5E+07	1938192
922.3999	672357.4	-45.1264	5.171485	15176743	-1.5E+07	1934202
922.5999	672374.7	-45.1187	5.160784	15179050	-1.5E+07	1930212
922.7999	672392	-45.111	5.150084	15181357	-1.5E+07	1926222
922.9999	672409.4	-45.1034	5.139383	15183663	-1.5E+07	1922232
923.1999	672426.7	-45.0957	5.128682	15185968	-1.5E+07	1918242
923.3999	672444.1	-45.088	5.117981	15188272	-1.5E+07	1914251
923.5999	672461.5	-45.0804	5.10728	15190575	-1.5E+07	1910261
923.7999	672478.8	-45.0727	5.096579	15192878	-1.5E+07	1906270
923.9999	672496.2	-45.065	5.085878	15195180	-1.5E+07	1902280
924.1999	672513.6	-45.0574	5.075177	15197481	-1.5E+07	1898289
924.3999	672531.1	-45.0497	5.064475	15199781	-1.5E+07	1894298
924.5999	672548.5	-45.042	5.053774	15202081	-1.5E+07	1890307
924.7999	672565.9	-45.0344	5.043072	15204379	-1.5E+07	1886316
924.9999	672583.4	-45.0267	5.03237	15206677	-1.5E+07	1882324
925.1999	672600.9	-45.019	5.021669	15208974	-1.5E+07	1878333
925.3999	672618.3	-45.0114	5.010967	15211271	-1.5E+07	1874342
925.5999	672635.8	-45.0037	5.000265	15213566	-1.5E+07	1870350
925.7999	672653.3	-44.996	4.989563	15215861	-1.5E+07	1866358
925.9999	672670.8	-44.9884	4.978861	15218155	-1.5E+07	1862367
926.1999	672688.4	-44.9807	4.968158	15220448	-1.5E+07	1858375
926.3999	672705.9	-44.973	4.957456	15222740	-1.5E+07	1854383
926.5999	672723.4	-44.9654	4.946754	15225032	-1.5E+07	1850391
926.7999	672741	-44.9577	4.936052	15227322	-1.5E+07	1846399
926.9999	672758.6	-44.95	4.925349	15229612	-1.5E+07	1842407
927.1999	672776.1	-44.9424	4.914646	15231901	-1.5E+07	1838414
927.3999	672793.7	-44.9347	4.903944	15234190	-1.5E+07	1834422
927.5999	672811.3	-44.927	4.893241	15236477	-1.5E+07	1830429
927.7999	672828.9	-44.9194	4.882538	15238764	-1.5E+07	1826437
927.9999	672846.6	-44.9117	4.871836	15241050	-1.5E+07	1822444
928.1999	672864.2	-44.9041	4.861133	15243335	-1.5E+07	1818451
928.3999	672881.9	-44.8964	4.85043	15245619	-1.5E+07	1814458
928.5999	672899.5	-44.8887	4.839726	15247903	-1.5E+07	1810465
928.7999	672917.2	-44.8811	4.829023	15250186	-1.5E+07	1806472
928.9999	672934.9	-44.8734	4.81832	15252467	-1.5E+07	1802479
929.1999	672952.6	-44.8657	4.807617	15254749	-1.5E+07	1798486
929.3999	672970.3	-44.8581	4.796913	15257029	-1.5E+07	1794492
929.5999	672988	-44.8504	4.78621	15259308	-1.5E+07	1790499
929.7999	673005.7	-44.8428	4.775506	15261587	-1.5E+07	1786505

929.9999	673023.5	-44.8351	4.764802	15263865	-1.5E+07	1782512
930.1999	673041.2	-44.8274	4.754098	15266142	-1.5E+07	1778518
930.3999	673059	-44.8198	4.743394	15268418	-1.5E+07	1774524
930.5999	673076.8	-44.8121	4.73269	15270694	-1.5E+07	1770530
930.7999	673094.5	-44.8045	4.721986	15272969	-1.5E+07	1766536
930.9999	673112.3	-44.7968	4.711282	15275243	-1.5E+07	1762542
931.1999	673130.2	-44.7892	4.700578	15277516	-1.5E+07	1758547
931.3999	673148	-44.7815	4.689874	15279788	-1.5E+07	1754553
931.5999	673165.8	-44.7738	4.679169	15282060	-1.5E+07	1750558
931.7999	673183.7	-44.7662	4.668465	15284330	-1.5E+07	1746564
931.9999	673201.5	-44.7585	4.65776	15286600	-1.5E+07	1742569
932.1999	673219.4	-44.7509	4.647055	15288869	-1.5E+07	1738574
932.3999	673237.3	-44.7432	4.63635	15291138	-1.5E+07	1734579
932.5999	673255.2	-44.7356	4.625646	15293405	-1.5E+07	1730584
932.7999	673273.1	-44.7279	4.614941	15295672	-1.5E+07	1726589
932.9999	673291	-44.7202	4.604236	15297938	-1.5E+07	1722594
933.1999	673308.9	-44.7126	4.59353	15300203	-1.5E+07	1718599
933.3999	673326.9	-44.7049	4.582825	15302467	-1.5E+07	1714604
933.5999	673344.8	-44.6973	4.57212	15304731	-1.5E+07	1710608
933.7999	673362.8	-44.6896	4.561415	15306994	-1.5E+07	1706613
933.9999	673380.7	-44.682	4.550709	15309256	-1.5E+07	1702617
934.1999	673398.7	-44.6743	4.540004	15311517	-1.5E+07	1698621
934.3999	673416.7	-44.6667	4.529298	15313777	-1.5E+07	1694625
934.5999	673434.7	-44.659	4.518592	15316037	-1.5E+07	1690629
934.7999	673452.8	-44.6514	4.507886	15318295	-1.5E+07	1686633
934.9999	673470.8	-44.6437	4.49718	15320553	-1.5E+07	1682637
935.1999	673488.8	-44.6361	4.486475	15322810	-1.5E+07	1678641
935.3999	673506.9	-44.6284	4.475768	15325067	-1.5E+07	1674645
935.5999	673525	-44.6207	4.465062	15327322	-1.5E+07	1670648
935.7999	673543	-44.6131	4.454356	15329577	-1.5E+07	1666652
935.9999	673561.1	-44.6054	4.44365	15331831	-1.5E+07	1662655
936.1999	673579.2	-44.5978	4.432943	15334084	-1.5E+07	1658658
936.3999	673597.3	-44.5901	4.422237	15336336	-1.5E+07	1654662
936.5999	673615.5	-44.5825	4.41153	15338588	-1.5E+07	1650665
936.7999	673633.6	-44.5748	4.400824	15340838	-1.5E+07	1646668
936.9999	673651.8	-44.5672	4.390117	15343088	-1.5E+07	1642671
937.1999	673669.9	-44.5595	4.37941	15345337	-1.5E+07	1638674
937.3999	673688.1	-44.5519	4.368703	15347586	-1.5E+07	1634676
937.5999	673706.3	-44.5442	4.357997	15349833	-1.5E+07	1630679
937.7999	673724.5	-44.5366	4.34729	15352080	-1.5E+07	1626682
937.9999	673742.7	-44.5289	4.336582	15354326	-1.5E+07	1622684
938.1999	673760.9	-44.5213	4.325875	15356571	-1.5E+07	1618686
938.3999	673779.1	-44.5136	4.315168	15358815	-1.5E+07	1614689
938.5999	673797.4	-44.506	4.304461	15361059	-1.5E+07	1610691
938.7999	673815.6	-44.4983	4.293753	15363301	-1.5E+07	1606693
938.9999	673833.9	-44.4907	4.283046	15365543	-1.5E+07	1602695
939.1999	673852.2	-44.4831	4.272338	15367784	-1.5E+07	1598697

939.3999	673870.5	-44.4754	4.261631	15370025	-1.5E+07	1594699
939.5999	673888.8	-44.4678	4.250923	15372264	-1.5E+07	1590701
939.7999	673907.1	-44.4601	4.240215	15374503	-1.5E+07	1586702
939.9999	673925.4	-44.4525	4.229507	15376740	-1.5E+07	1582704
940.1999	673943.7	-44.4448	4.218799	15378978	-1.5E+07	1578705
940.3999	673962.1	-44.4372	4.208091	15381214	-1.5E+07	1574707
940.5999	673980.4	-44.4295	4.197383	15383449	-1.5E+07	1570708
940.7999	673998.8	-44.4219	4.186675	15385684	-1.5E+07	1566709
940.9999	674017.2	-44.4142	4.175967	15387918	-1.5E+07	1562710
941.1999	674035.6	-44.4066	4.165258	15390151	-1.5E+07	1558711
941.3999	674054	-44.3989	4.15455	15392383	-1.5E+07	1554712
941.5999	674072.4	-44.3913	4.143841	15394614	-1.5E+07	1550713
941.7999	674090.8	-44.3837	4.133133	15396845	-1.5E+07	1546714
941.9999	674109.3	-44.376	4.122424	15399075	-1.5E+07	1542715
942.1999	674127.7	-44.3684	4.111715	15401304	-1.5E+07	1538715
942.3999	674146.2	-44.3607	4.101007	15403532	-1.5E+07	1534716
942.5999	674164.7	-44.3531	4.090298	15405759	-1.5E+07	1530716
942.7999	674183.1	-44.3454	4.079589	15407986	-1.5E+07	1526717
942.9999	674201.6	-44.3378	4.06888	15410212	-1.5E+07	1522717
943.1999	674220.1	-44.3302	4.058171	15412437	-1.5E+07	1518717
943.3999	674238.7	-44.3225	4.047462	15414661	-1.5E+07	1514717
943.5999	674257.2	-44.3149	4.036753	15416884	-1.5E+07	1510717
943.7999	674275.7	-44.3072	4.026044	15419107	-1.5E+07	1506717
943.9999	674294.3	-44.2996	4.015334	15421328	-1.5E+07	1502717
944.1999	674312.9	-44.2919	4.004625	15423549	-1.5E+07	1498717
944.3999	674331.4	-44.2843	3.993916	15425770	-1.5E+07	1494717
944.5999	674350	-44.2767	3.983206	15427989	-1.5E+07	1490716
944.7999	674368.6	-44.269	3.972497	15430207	-1.5E+07	1486716
944.9999	674387.2	-44.2614	3.961787	15432425	-1.5E+07	1482715
945.1999	674405.8	-44.2537	3.951078	15434642	-1.5E+07	1478715
945.3999	674424.5	-44.2461	3.940368	15436858	-1.5E+07	1474714
945.5999	674443.1	-44.2385	3.929659	15439073	-1.5E+07	1470714
945.7999	674461.8	-44.2308	3.918949	15441288	-1.5E+07	1466713
945.9999	674480.4	-44.2232	3.908239	15443501	-1.5E+07	1462712
946.1999	674499.1	-44.2155	3.897529	15445714	-1.5E+07	1458711
946.3999	674517.8	-44.2079	3.886819	15447926	-1.5E+07	1454710
946.5999	674536.5	-44.2003	3.876109	15450137	-1.5E+07	1450709
946.7999	674555.2	-44.1926	3.865399	15452348	-1.5E+07	1446708
946.9999	674573.9	-44.185	3.854689	15454558	-1.5E+07	1442706
947.1999	674592.7	-44.1774	3.843979	15456766	-1.5E+07	1438705
947.3999	674611.4	-44.1697	3.833269	15458974	-1.5E+07	1434703
947.5999	674630.2	-44.1621	3.822559	15461182	-1.5E+07	1430702
947.7999	674648.9	-44.1544	3.811848	15463388	-1.5E+07	1426700
947.9999	674667.7	-44.1468	3.801138	15465593	-1.5E+07	1422699
948.1999	674686.5	-44.1392	3.790427	15467798	-1.5E+07	1418697
948.3999	674705.3	-44.1315	3.779717	15470002	-1.5E+07	1414695
948.5999	674724.1	-44.1239	3.769006	15472205	-1.5E+07	1410693

948.7999	674743	-44.1163	3.758296	15474408	-1.5E+07	1406691
948.9999	674761.8	-44.1086	3.747585	15476609	-1.5E+07	1402689
949.1999	674780.6	-44.101	3.736874	15478810	-1.5E+07	1398687
949.3999	674799.5	-44.0934	3.726163	15481010	-1.5E+07	1394685
949.5999	674818.4	-44.0857	3.715452	15483209	-1.5E+07	1390682
949.7999	674837.3	-44.0781	3.704741	15485407	-1.5E+07	1386680
949.9999	674856.2	-44.0704	3.69403	15487605	-1.5E+07	1382678
950.1999	674875.1	-44.0628	3.683319	15489801	-1.5E+07	1378675
950.3999	674894	-44.0552	3.672608	15491997	-1.5E+07	1374672
950.5999	674912.9	-44.0475	3.661896	15494192	-1.5E+07	1370670
950.7999	674931.9	-44.0399	3.651185	15496387	-1.5E+07	1366667
950.9999	674950.8	-44.0323	3.640474	15498580	-1.5E+07	1362664
951.1999	674969.8	-44.0246	3.629762	15500773	-1.5E+07	1358661
951.3999	674988.7	-44.017	3.619051	15502965	-1.5E+07	1354658
951.5999	675007.7	-44.0094	3.608339	15505156	-1.5E+07	1350655
951.7999	675026.7	-44.0017	3.597628	15507346	-1.5E+07	1346652
951.9999	675045.7	-43.9941	3.586916	15509535	-1.5E+07	1342649
952.1999	675064.8	-43.9865	3.576204	15511724	-1.5E+07	1338645
952.3999	675083.8	-43.9788	3.565492	15513912	-1.5E+07	1334642
952.5999	675102.8	-43.9712	3.55478	15516099	-1.5E+07	1330639
952.7999	675121.9	-43.9636	3.544068	15518285	-1.5E+07	1326635
952.9999	675141	-43.956	3.533356	15520470	-1.5E+07	1322631
953.1999	675160	-43.9483	3.522644	15522655	-1.5E+07	1318628
953.3999	675179.1	-43.9407	3.511932	15524838	-1.5E+07	1314624
953.5999	675198.2	-43.9331	3.50122	15527021	-1.5E+07	1310620
953.7999	675217.3	-43.9254	3.490508	15529203	-1.5E+07	1306616
953.9999	675236.5	-43.9178	3.479796	15531385	-1.5E+07	1302612
954.1999	675255.6	-43.9102	3.469083	15533565	-1.5E+07	1298608
954.3999	675274.8	-43.9025	3.458371	15535745	-1.5E+07	1294604
954.5999	675293.9	-43.8949	3.447658	15537924	-1.5E+07	1290600
954.7999	675313.1	-43.8873	3.436946	15540102	-1.5E+07	1286596
954.9999	675332.3	-43.8796	3.426233	15542279	-1.5E+07	1282591
955.1999	675351.5	-43.872	3.415521	15544455	-1.5E+07	1278587
955.3999	675370.7	-43.8644	3.404808	15546631	-1.5E+07	1274582
955.5999	675389.9	-43.8568	3.394095	15548806	-1.5E+07	1270578
955.7999	675409.1	-43.8491	3.383382	15550980	-1.5E+07	1266573
955.9999	675428.4	-43.8415	3.372669	15553153	-1.5E+07	1262568
956.1999	675447.6	-43.8339	3.361956	15555325	-1.5E+07	1258564
956.3999	675466.9	-43.8262	3.351243	15557497	-1.5E+07	1254559
956.5999	675486.1	-43.8186	3.34053	15559668	-1.5E+07	1250554
956.7999	675505.4	-43.811	3.329817	15561838	-1.5E+07	1246549
956.9999	675524.7	-43.8034	3.319104	15564007	-1.5E+07	1242544
957.1999	675544	-43.7957	3.308391	15566175	-1.5E+07	1238539
957.3999	675563.4	-43.7881	3.297678	15568343	-1.5E+07	1234534
957.5999	675582.7	-43.7805	3.286964	15570509	-1.5E+07	1230528
957.7999	675602	-43.7729	3.276251	15572675	-1.5E+07	1226523
957.9999	675621.4	-43.7652	3.265538	15574840	-1.5E+07	1222518

958.1999	675640.8	-43.7576	3.254824	15577004	-1.5E+07	1218512
958.3999	675660.1	-43.75	3.244111	15579168	-1.5E+07	1214507
958.5999	675679.5	-43.7424	3.233397	15581330	-1.5E+07	1210501
958.7999	675698.9	-43.7347	3.222683	15583492	-1.5E+07	1206495
958.9999	675718.3	-43.7271	3.21197	15585653	-1.5E+07	1202490
959.1999	675737.8	-43.7195	3.201256	15587813	-1.5E+07	1198484
959.3999	675757.2	-43.7118	3.190542	15589973	-1.5E+07	1194478
959.5999	675776.6	-43.7042	3.179828	15592131	-1.5E+07	1190472
959.7999	675796.1	-43.6966	3.169114	15594289	-1.5E+07	1186466
959.9999	675815.6	-43.689	3.1584	15596446	-1.5E+07	1182460
960.1999	675835	-43.6814	3.147686	15598602	-1.5E+07	1178454
960.3999	675854.5	-43.6737	3.136972	15600757	-1.5E+07	1174448
960.5999	675874	-43.6661	3.126258	15602912	-1.5E+07	1170441
960.7999	675893.6	-43.6585	3.115544	15605066	-1.5E+07	1166435
960.9999	675913.1	-43.6509	3.10483	15607218	-1.5E+07	1162429
961.1999	675932.6	-43.6432	3.094116	15609371	-1.5E+07	1158422
961.3999	675952.2	-43.6356	3.083401	15611522	-1.5E+07	1154416
961.5999	675971.7	-43.628	3.072687	15613672	-1.5E+07	1150409
961.7999	675991.3	-43.6204	3.061973	15615822	-1.5E+07	1146402
961.9999	676010.9	-43.6127	3.051258	15617971	-1.5E+07	1142396
962.1999	676030.5	-43.6051	3.040544	15620119	-1.5E+07	1138389
962.3999	676050.1	-43.5975	3.029829	15622266	-1.5E+07	1134382
962.5999	676069.7	-43.5899	3.019115	15624412	-1.5E+07	1130375
962.7999	676089.3	-43.5823	3.0084	15626558	-1.5E+07	1126368
962.9999	676109	-43.5746	2.997685	15628702	-1.5E+07	1122361
963.1999	676128.6	-43.567	2.986971	15630846	-1.5E+07	1118354
963.3999	676148.3	-43.5594	2.976256	15632989	-1.5E+07	1114347
963.5999	676168	-43.5518	2.965541	15635132	-1.5E+07	1110340
963.7999	676187.6	-43.5441	2.954826	15637273	-1.5E+07	1106332
963.9999	676207.3	-43.5365	2.944111	15639414	-1.5E+07	1102325
964.1999	676227.1	-43.5289	2.933396	15641553	-1.5E+07	1098318
964.3999	676246.8	-43.5213	2.922681	15643693	-1.5E+07	1094310
964.5999	676266.5	-43.5137	2.911966	15645831	-1.5E+07	1090303
964.7999	676286.3	-43.506	2.901251	15647968	-1.5E+07	1086295
964.9999	676306	-43.4984	2.890536	15650105	-1.5E+07	1082287
965.1999	676325.8	-43.4908	2.879821	15652240	-1.5E+07	1078280
965.3999	676345.6	-43.4832	2.869106	15654375	-1.5E+07	1074272
965.5999	676365.3	-43.4756	2.85839	15656509	-1.5E+07	1070264
965.7999	676385.1	-43.4679	2.847675	15658643	-1.5E+07	1066256
965.9999	676405	-43.4603	2.83696	15660775	-1.5E+07	1062248
966.1999	676424.8	-43.4527	2.826244	15662907	-1.5E+07	1058240
966.3999	676444.6	-43.4451	2.815529	15665038	-1.5E+07	1054232
966.5999	676464.5	-43.4375	2.804813	15667168	-1.5E+07	1050224
966.7999	676484.3	-43.4298	2.794098	15669297	-1.5E+07	1046216
966.9999	676504.2	-43.4222	2.783382	15671425	-1.5E+07	1042208
967.1999	676524.1	-43.4146	2.772667	15673553	-1.5E+07	1038199
967.3999	676544	-43.407	2.761951	15675680	-1.5E+07	1034191

967.5999	676563.9	-43.3994	2.751235	15677806	-1.5E+07	1030183
967.7999	676583.8	-43.3918	2.74052	15679931	-1.5E+07	1026174
967.9999	676603.8	-43.3841	2.729804	15682055	-1.5E+07	1022166
968.1999	676623.7	-43.3765	2.719088	15684179	-1.5E+07	1018157
968.3999	676643.7	-43.3689	2.708372	15686301	-1.5E+07	1014148
968.5999	676663.7	-43.3613	2.697656	15688423	-1.5E+07	1010140
968.7999	676683.6	-43.3537	2.68694	15690544	-1.5E+07	1006131
968.9999	676703.6	-43.3461	2.676224	15692664	-1.5E+07	1002122
969.1999	676723.7	-43.3384	2.665508	15694784	-1.5E+07	998113.1
969.3999	676743.7	-43.3308	2.654792	15696902	-1.5E+07	994104.2
969.5999	676763.7	-43.3232	2.644076	15699020	-1.5E+07	990095.2
969.7999	676783.7	-43.3156	2.63336	15701137	-1.5E+07	986086.2
969.9999	676803.8	-43.308	2.622644	15703253	-1.5E+07	982077.1
970.1999	676823.9	-43.3004	2.611928	15705369	-1.5E+07	978068
970.3999	676843.9	-43.2927	2.601212	15707483	-1.5E+07	974058.8
970.5999	676864	-43.2851	2.590496	15709597	-1.5E+07	970049.6
970.7999	676884.1	-43.2775	2.579779	15711709	-1.5E+07	966040.3
970.9999	676904.2	-43.2699	2.569063	15713821	-1.5E+07	962030.9
971.1999	676924.3	-43.2623	2.558347	15715933	-1.5E+07	958021.6
971.3999	676944.4	-43.2547	2.54763	15718043	-1.5E+07	954012.1
971.5999	676964.6	-43.2471	2.536914	15720152	-1.5E+07	950002.6
971.7999	676984.7	-43.2394	2.526198	15722261	-1.5E+07	945993.1
971.9999	677004.9	-43.2318	2.515481	15724369	-1.5E+07	941983.5
972.1999	677025	-43.2242	2.504765	15726476	-1.5E+07	937973.8
972.3999	677045.2	-43.2166	2.494048	15728582	-1.5E+07	933964.1
972.5999	677065.4	-43.209	2.483332	15730688	-1.5E+07	929954.4
972.7999	677085.6	-43.2014	2.472615	15732792	-1.5E+07	925944.6
972.9999	677105.8	-43.1938	2.461899	15734896	-1.5E+07	921934.7
973.1999	677126.1	-43.1861	2.451182	15736999	-1.5E+07	917924.8
973.3999	677146.3	-43.1785	2.440465	15739101	-1.5E+07	913914.9
973.5999	677166.5	-43.1709	2.429749	15741203	-1.5E+07	909904.9
973.7999	677186.8	-43.1633	2.419032	15743303	-1.5E+07	905894.8
973.9999	677207.1	-43.1557	2.408315	15745403	-1.5E+07	901884.7
974.1999	677227.3	-43.1481	2.397598	15747502	-1.5E+07	897874.6
974.3999	677247.6	-43.1405	2.386882	15749600	-1.5E+07	893864.4
974.5999	677267.9	-43.1329	2.376165	15751697	-1.5E+07	889854.1
974.7999	677288.2	-43.1253	2.365448	15753793	-1.5E+07	885843.8
974.9999	677308.6	-43.1176	2.354731	15755889	-1.5E+07	881833.4
975.1999	677328.9	-43.11	2.344014	15757984	-1.5E+07	877823
975.3999	677349.2	-43.1024	2.333297	15760078	-1.5E+07	873812.6
975.5999	677369.6	-43.0948	2.32258	15762171	-1.5E+07	869802.1
975.7999	677390	-43.0872	2.311863	15764263	-1.5E+07	865791.5
975.9999	677410.3	-43.0796	2.301146	15766354	-1.5E+07	861780.9
976.1999	677430.7	-43.072	2.290429	15768445	-1.5E+07	857770.3
976.3999	677451.1	-43.0644	2.279712	15770535	-1.5E+07	853759.6
976.5999	677471.6	-43.0567	2.268994	15772624	-1.5E+07	849748.8
976.7999	677492	-43.0491	2.258277	15774712	-1.5E+07	845738

976.9999	677512.4	-43.0415	2.24756	15776800	-1.5E+07	841727.2
977.1999	677532.9	-43.0339	2.236843	15778886	-1.5E+07	837716.3
977.3999	677553.3	-43.0263	2.226125	15780972	-1.5E+07	833705.4
977.5999	677573.8	-43.0187	2.215408	15783057	-1.5E+07	829694.4
977.7999	677594.3	-43.0111	2.204691	15785141	-1.5E+07	825683.4
977.9999	677614.8	-43.0035	2.193973	15787224	-1.5E+07	821672.3
978.1999	677635.3	-42.9959	2.183256	15789306	-1.5E+07	817661.2
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978.7999	677696.8	-42.973	2.151104	15795549	-1.5E+07	805627.6
978.9999	677717.4	-42.9654	2.140386	15797628	-1.5E+07	801616.3
979.1999	677737.9	-42.9578	2.129669	15799706	-1.5E+07	797604.9
979.3999	677758.5	-42.9502	2.118951	15801784	-1.5E+07	793593.5
979.5999	677779.1	-42.9426	2.108233	15803860	-1.5E+07	789582.1
979.7999	677799.7	-42.935	2.097516	15805936	-1.5E+07	785570.6
979.9999	677820.3	-42.9274	2.086798	15808011	-1.5E+07	781559.1
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980.5999	677882.1	-42.9046	2.054645	15814232	-1.5E+07	769524.3
980.7999	677902.8	-42.897	2.043927	15816303	-1.5E+07	765512.6
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981.1999	677944.1	-42.8817	2.022492	15820444	-1.5E+07	757489.1
981.3999	677964.8	-42.8741	2.011774	15822514	-1.5E+07	753477.3
981.5999	677985.5	-42.8665	2.001056	15824582	-1.5E+07	749465.4
981.7999	678006.2	-42.8589	1.990338	15826650	-1.5E+07	745453.5
981.9999	678026.9	-42.8513	1.979621	15828716	-1.5E+07	741441.5
982.1999	678047.6	-42.8437	1.968903	15830782	-1.5E+07	737429.6
982.3999	678068.4	-42.8361	1.958185	15832848	-1.5E+07	733417.5
982.5999	678089.1	-42.8285	1.947467	15834912	-1.5E+07	729405.5
982.7999	678109.9	-42.8209	1.936749	15836975	-1.5E+07	725393.3
982.9999	678130.6	-42.8133	1.926031	15839038	-1.5E+07	721381.2
983.1999	678151.4	-42.8057	1.915313	15841100	-1.5E+07	717369
983.3999	678172.2	-42.7981	1.904595	15843161	-1.5E+07	713356.8
983.5999	678193	-42.7905	1.893877	15845221	-1.5E+07	709344.5
983.7999	678213.8	-42.7829	1.883159	15847281	-1.5E+07	705332.2
983.9999	678234.7	-42.7753	1.872441	15849339	-1.5E+07	701319.8
984.1999	678255.5	-42.7676	1.861722	15851397	-1.5E+07	697307.5
984.3999	678276.4	-42.76	1.851004	15853454	-1.5E+07	693295
984.5999	678297.2	-42.7524	1.840286	15855510	-1.5E+07	689282.6
984.7999	678318.1	-42.7448	1.829568	15857565	-1.5E+07	685270.1
984.9999	678339	-42.7372	1.81885	15859619	-1.5E+07	681257.5
985.1999	678359.9	-42.7296	1.808131	15861673	-1.5E+07	677244.9
985.3999	678380.8	-42.722	1.797413	15863726	-1.5E+07	673232.3
985.5999	678401.7	-42.7144	1.786695	15865778	-1.5E+07	669219.7
985.7999	678422.6	-42.7068	1.775977	15867829	-1.5E+07	665207
985.9999	678443.5	-42.6992	1.765258	15869879	-1.5E+07	661194.2
986.1999	678464.5	-42.6916	1.75454	15871929	-1.5E+07	657181.5

986.3999	678485.5	-42.684	1.743822	15873977	-1.5E+07	653168.7
986.5999	678506.4	-42.6764	1.733103	15876025	-1.5E+07	649155.8
986.7999	678527.4	-42.6688	1.722385	15878072	-1.5E+07	645142.9
986.9999	678548.4	-42.6612	1.711667	15880118	-1.5E+07	641130
987.1999	678569.4	-42.6536	1.700948	15882164	-1.5E+07	637117.1
987.3999	678590.4	-42.646	1.69023	15884208	-1.5E+07	633104.1
987.5999	678611.5	-42.6384	1.679511	15886252	-1.5E+07	629091.1
987.7999	678632.5	-42.6308	1.668793	15888295	-1.5E+07	625078
987.9999	678653.5	-42.6232	1.658075	15890337	-1.5E+07	621064.9
988.1999	678674.6	-42.6156	1.647356	15892378	-1.5E+07	617051.8
988.3999	678695.7	-42.608	1.636638	15894418	-1.5E+07	613038.6
988.5999	678716.8	-42.6004	1.625919	15896458	-1.5E+07	609025.4
988.7999	678737.9	-42.5927	1.615201	15898497	-1.5E+07	605012.2
988.9999	678759	-42.5851	1.604482	15900535	-1.5E+07	600998.9
989.1999	678780.1	-42.5775	1.593763	15902572	-1.5E+07	596985.7
989.3999	678801.2	-42.5699	1.583045	15904608	-1.5E+07	592972.3
989.5999	678822.4	-42.5623	1.572326	15906643	-1.5E+07	588959
989.7999	678843.5	-42.5547	1.561608	15908678	-1.5E+07	584945.6
989.9999	678864.7	-42.5471	1.550889	15910712	-1.5E+07	580932.1
990.1999	678885.8	-42.5395	1.540171	15912745	-1.5E+07	576918.7
990.3999	678907	-42.5319	1.529452	15914777	-1.5E+07	572905.2
990.5999	678928.2	-42.5243	1.518733	15916808	-1.5E+07	568891.7
990.7999	678949.4	-42.5167	1.508015	15918839	-1.5E+07	564878.1
990.9999	678970.7	-42.5091	1.497296	15920868	-1.5E+07	560864.5
991.1999	678991.9	-42.5015	1.486577	15922897	-1.5E+07	556850.9
991.3999	679013.1	-42.4939	1.475859	15924925	-1.5E+07	552837.3
991.5999	679034.4	-42.4863	1.46514	15926952	-1.5E+07	548823.6
991.7999	679055.6	-42.4787	1.454421	15928979	-1.5E+07	544809.9
991.9999	679076.9	-42.4711	1.443702	15931004	-1.5E+07	540796.1
992.1999	679098.2	-42.4635	1.432984	15933029	-1.5E+07	536782.4
992.3999	679119.5	-42.4559	1.422265	15935053	-1.5E+07	532768.6
992.5999	679140.8	-42.4483	1.411546	15937076	-1.5E+07	528754.7
992.7999	679162.1	-42.4407	1.400827	15939098	-1.5E+07	524740.9
992.9999	679183.4	-42.4331	1.390109	15941119	-1.5E+07	520727
993.1999	679204.8	-42.4255	1.37939	15943140	-1.5E+07	516713.1
993.3999	679226.1	-42.4179	1.368671	15945159	-1.5E+07	512699.1
993.5999	679247.5	-42.4103	1.357952	15947178	-1.5E+07	508685.1
993.7999	679268.9	-42.4027	1.347233	15949196	-1.5E+07	504671.1
993.9999	679290.3	-42.3951	1.336515	15951213	-1.5E+07	500657.1
994.1999	679311.7	-42.3875	1.325796	15953230	-1.5E+07	496643
994.3999	679333.1	-42.3799	1.315077	15955245	-1.5E+07	492628.9
994.5999	679354.5	-42.3723	1.304358	15957260	-1.5E+07	488614.8
994.7999	679375.9	-42.3647	1.293639	15959274	-1.5E+07	484600.7
994.9999	679397.4	-42.3571	1.28292	15961287	-1.5E+07	480586.5
995.1999	679418.8	-42.3495	1.272202	15963299	-1.5E+07	476572.3
995.3999	679440.3	-42.3419	1.261483	15965311	-1.5E+07	472558.1
995.5999	679461.7	-42.3343	1.250764	15967321	-1.5E+07	468543.8

995.7999	679483.2	-42.3267	1.240045	15969331	-1.5E+07	464529.6
995.9999	679504.7	-42.3191	1.229326	15971340	-1.5E+07	460515.3
996.1999	679526.2	-42.3115	1.218607	15973348	-1.5E+07	456500.9
996.3999	679547.8	-42.3039	1.207888	15975355	-1.5E+07	452486.6
996.5999	679569.3	-42.2963	1.197169	15977362	-1.5E+07	448472.2
996.7999	679590.8	-42.2887	1.18645	15979367	-1.5E+07	444457.8
996.9999	679612.4	-42.2811	1.175732	15981372	-1.5E+07	440443.4
997.1999	679634	-42.2735	1.165013	15983376	-1.5E+07	436428.9
997.3999	679655.5	-42.2659	1.154294	15985379	-1.5E+07	432414.4
997.5999	679677.1	-42.2583	1.143575	15987381	-1.5E+07	428399.9
997.7999	679698.7	-42.2507	1.132856	15989383	-1.5E+07	424385.4
997.9999	679720.3	-42.2431	1.122137	15991383	-1.5E+07	420370.9
998.1999	679742	-42.2355	1.111418	15993383	-1.5E+07	416356.3
998.3999	679763.6	-42.2279	1.100699	15995382	-1.5E+07	412341.7
998.5999	679785.2	-42.2203	1.08998	15997380	-1.5E+07	408327.1
998.7999	679806.9	-42.2127	1.079261	15999378	-1.5E+07	404312.4
998.9999	679828.6	-42.2051	1.068542	16001374	-1.5E+07	400297.8
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999.7999	679915.3	-42.1747	1.025666	16009352	-1.5E+07	384238.9
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1000.6	680002.3	-42.1443	0.982791	16017316	-1.4E+07	368179.7
1000.8	680024.1	-42.1367	0.972072	16019305	-1.4E+07	364164.8
1001	680045.8	-42.1291	0.961353	16021293	-1.4E+07	360149.9
1001.2	680067.6	-42.1215	0.950634	16023280	-1.4E+07	356135
1001.4	680089.4	-42.1139	0.939915	16025267	-1.4E+07	352120.1
1001.6	680111.2	-42.1063	0.929196	16027252	-1.4E+07	348105.2
1001.8	680133.1	-42.0987	0.918477	16029237	-1.4E+07	344090.2
1002	680154.9	-42.0911	0.907758	16031221	-1.4E+07	340075.2
1002.2	680176.7	-42.0836	0.897039	16033204	-1.4E+07	336060.3
1002.4	680198.6	-42.076	0.88632	16035187	-1.4E+07	332045.2
1002.6	680220.5	-42.0684	0.875601	16037168	-1.4E+07	328030.2
1002.8	680242.4	-42.0608	0.864882	16039149	-1.4E+07	324015.2
1003	680264.2	-42.0532	0.854163	16041129	-1.4E+07	320000.1
1003.2	680286.1	-42.0456	0.843444	16043108	-1.4E+07	315985
1003.4	680308.1	-42.038	0.832725	16045086	-1.4E+07	311969.9
1003.6	680330	-42.0304	0.822006	16047063	-1.4E+07	307954.8
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1004	680373.9	-42.0152	0.800569	16051015	-1.4E+07	299924.5
1004.2	680395.8	-42.0076	0.78985	16052990	-1.4E+07	295909.3
1004.4	680417.8	-42	0.779131	16054964	-1.4E+07	291894.1
1004.6	680439.8	-41.9924	0.768412	16056937	-1.4E+07	287878.9
1004.8	680461.8	-41.9848	0.757693	16058909	-1.4E+07	283863.7
1005	680483.8	-41.9772	0.746974	16060881	-1.4E+07	279848.5

1005.2	680505.8	-41.9696	0.736255	16062852	-1.4E+07	275833.2
1005.4	680527.8	-41.962	0.725536	16064821	-1.4E+07	271817.9
1005.6	680549.8	-41.9544	0.714817	16066790	-1.4E+07	267802.7
1005.8	680571.9	-41.9468	0.704099	16068758	-1.4E+07	263787.4
1006	680594	-41.9392	0.69338	16070726	-1.4E+07	259772.1
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1006.4	680638.1	-41.924	0.671942	16074658	-1.4E+07	251741.4
1006.6	680660.2	-41.9164	0.661223	16076623	-1.4E+07	247726
1006.8	680682.3	-41.9088	0.650504	16078587	-1.4E+07	243710.7
1007	680704.4	-41.9012	0.639786	16080550	-1.4E+07	239695.3
1007.2	680726.5	-41.8936	0.629067	16082512	-1.4E+07	235679.9
1007.4	680748.7	-41.886	0.618348	16084474	-1.4E+07	231664.5
1007.6	680770.8	-41.8784	0.607629	16086434	-1.4E+07	227649.1
1007.8	680793	-41.8708	0.59691	16088394	-1.4E+07	223633.6
1008	680815.2	-41.8633	0.586192	16090353	-1.4E+07	219618.2
1008.2	680837.3	-41.8557	0.575473	16092311	-1.4E+07	215602.7
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1010.6	681104.4	-41.7645	0.446848	16115744	-1.4E+07	167416.3
1010.8	681126.7	-41.7569	0.43613	16117691	-1.4E+07	163400.8
1011	681149.1	-41.7493	0.425411	16119637	-1.4E+07	159385.1
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1011.4	681193.8	-41.7341	0.403974	16123528	-1.4E+07	151353.9
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1012	681260.9	-41.7114	0.371818	16129357	-1.4E+07	139307
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1013.8	681463	-41.643	0.275352	16146799	-1.4E+07	103165.9
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1014.2	681508	-41.6278	0.253915	16150666	-1.4E+07	95134.42
1014.4	681530.5	-41.6202	0.243197	16152599	-1.4E+07	91118.69

1014.6	681553	-41.6126	0.232479	16154530	-1.4E+07	87102.96
1014.8	681575.6	-41.605	0.22176	16156460	-1.4E+07	83087.23
1015	681598.1	-41.5974	0.211042	16158390	-1.4E+07	79071.49
1015.2	681620.7	-41.5898	0.200324	16160319	-1.4E+07	75055.75
1015.4	681643.3	-41.5822	0.189605	16162247	-1.4E+07	71040
1015.6	681665.9	-41.5747	0.178887	16164174	-1.4E+07	67024.25
1015.8	681688.5	-41.5671	0.168169	16166100	-1.4E+07	63008.5
1016	681711.1	-41.5595	0.157451	16168026	-1.4E+07	58992.74
1016.2	681733.7	-41.5519	0.146733	16169951	-1.4E+07	54976.98
1016.4	681756.4	-41.5443	0.136014	16171874	-1.4E+07	50961.21
1016.6	681779	-41.5367	0.125296	16173797	-1.4E+07	46945.44
1016.8	681801.7	-41.5291	0.114578	16175720	-1.4E+07	42929.68
1017	681824.4	-41.5215	0.10386	16177641	-1.4E+07	38913.9
1017.2	681847	-41.5139	0.093142	16179561	-1.4E+07	34898.13
1017.4	681869.7	-41.5063	0.082424	16181481	-1.4E+07	30882.35
1017.6	681892.4	-41.4987	0.071706	16183400	-1.4E+07	26866.58
1017.8	681915.2	-41.4911	0.060988	16185318	-1.4E+07	22850.8
1018	681937.9	-41.4835	0.05027	16187235	-1.4E+07	18835.02
1018.2	681960.6	-41.4759	0.039552	16189151	-1.4E+07	14819.24
1018.4	681983.4	-41.4683	0.028834	16191067	-1.4E+07	10803.46
1018.6	682006.1	-41.4607	0.018116	16192981	-1.4E+07	6787.676
1018.8	682028.9	-41.4531	0.007398	16194895	-1.4E+07	2771.895
1019	682051.7	-41.4456	-0.00332	16196808	-1.4E+07	-1243.89
1019.2	682074.5	-41.438	-0.01404	16198720	-1.4E+07	-5259.67
1019.4	682097.3	-41.4304	-0.02476	16200631	-1.4E+07	-9275.45
1019.6	682120.1	-41.4228	-0.03547	16202541	-1.4E+07	-13291.2
1019.8	682142.9	-41.4152	-0.04619	16204451	-1.4E+07	-17307
1020	682165.8	-41.4076	-0.05691	16206360	-1.4E+07	-21322.8
1020.2	682188.6	-41.4	-0.06763	16208268	-1.4E+07	-25338.6
1020.4	682211.5	-41.3924	-0.07834	16210175	-1.4E+07	-29354.3
1020.6	682234.4	-41.3848	-0.08906	16212081	-1.4E+07	-33370.1
1020.8	682257.3	-41.3772	-0.09978	16213986	-1.4E+07	-37385.9
1021	682280.1	-41.3696	-0.1105	16215891	-1.4E+07	-41401.6
1021.2	682303.1	-41.362	-0.12122	16217794	-1.4E+07	-45417.4
1021.4	682326	-41.3544	-0.13193	16219697	-1.4E+07	-49433.2
1021.6	682348.9	-41.3468	-0.14265	16221599	-1.4E+07	-53448.9
1021.8	682371.8	-41.3392	-0.15337	16223500	-1.4E+07	-57464.7
1022	682394.8	-41.3316	-0.16409	16225401	-1.4E+07	-61480.4
1022.2	682417.8	-41.3241	-0.1748	16227300	-1.4E+07	-65496.2
1022.4	682440.7	-41.3165	-0.18552	16229199	-1.4E+07	-69511.9
1022.6	682463.7	-41.3089	-0.19624	16231097	-1.4E+07	-73527.7
1022.8	682486.7	-41.3013	-0.20695	16232994	-1.4E+07	-77543.4
1023	682509.7	-41.2937	-0.21767	16234890	-1.4E+07	-81559.1
1023.2	682532.7	-41.2861	-0.22839	16236785	-1.4E+07	-85574.9
1023.4	682555.8	-41.2785	-0.23911	16238679	-1.4E+07	-89590.6
1023.6	682578.8	-41.2709	-0.24982	16240573	-1.4E+07	-93606.3
1023.8	682601.9	-41.2633	-0.26054	16242466	-1.4E+07	-97622

1024	682624.9	-41.2557	-0.27126	16244358	-1.4E+07	-101638
1024.2	682648	-41.2481	-0.28198	16246249	-1.4E+07	-105653
1024.4	682671.1	-41.2405	-0.29269	16248139	-1.4E+07	-109669
1024.6	682694.2	-41.2329	-0.30341	16250028	-1.4E+07	-113685
1024.8	682717.3	-41.2253	-0.31413	16251917	-1.4E+07	-117700
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1025.2	682763.5	-41.2101	-0.33556	16255691	-1.4E+07	-125732
1025.4	682786.7	-41.2026	-0.34628	16257577	-1.4E+07	-129747
1025.6	682809.8	-41.195	-0.357	16259462	-1.4E+07	-133763
1025.8	682833	-41.1874	-0.36771	16261347	-1.4E+07	-137779
1026	682856.2	-41.1798	-0.37843	16263230	-1.4E+07	-141794
1026.2	682879.3	-41.1722	-0.38915	16265113	-1.4E+07	-145810
1026.4	682902.5	-41.1646	-0.39986	16266995	-1.4E+07	-149826
1026.6	682925.7	-41.157	-0.41058	16268876	-1.4E+07	-153841
1026.8	682949	-41.1494	-0.4213	16270756	-1.4E+07	-157857
1027	682972.2	-41.1418	-0.43201	16272635	-1.4E+07	-161872
1027.2	682995.4	-41.1342	-0.44273	16274513	-1.4E+07	-165888
1027.4	683018.7	-41.1266	-0.45345	16276391	-1.4E+07	-169904
1027.6	683041.9	-41.119	-0.46416	16278268	-1.4E+07	-173919
1027.8	683065.2	-41.1114	-0.47488	16280144	-1.4E+07	-177935
1028	683088.5	-41.1038	-0.4856	16282019	-1.4E+07	-181950
1028.2	683111.8	-41.0962	-0.49631	16283893	-1.4E+07	-185966
1028.4	683135.1	-41.0887	-0.50703	16285766	-1.4E+07	-189981
1028.6	683158.4	-41.0811	-0.51775	16287639	-1.4E+07	-193997
1028.8	683181.8	-41.0735	-0.52846	16289510	-1.4E+07	-198012
1029	683205.1	-41.0659	-0.53918	16291381	-1.4E+07	-202028
1029.2	683228.4	-41.0583	-0.5499	16293251	-1.4E+07	-206043
1029.4	683251.8	-41.0507	-0.56061	16295120	-1.4E+07	-210059
1029.6	683275.2	-41.0431	-0.57133	16296989	-1.4E+07	-214074
1029.8	683298.6	-41.0355	-0.58204	16298856	-1.4E+07	-218090
1030	683322	-41.0279	-0.59276	16300723	-1.4E+07	-222105
1030.2	683345.4	-41.0203	-0.60348	16302589	-1.4E+07	-226121
1030.4	683368.8	-41.0127	-0.61419	16304454	-1.4E+07	-230136
1030.6	683392.2	-41.0051	-0.62491	16306318	-1.4E+07	-234151
1030.8	683415.7	-40.9975	-0.63563	16308181	-1.4E+07	-238167
1031	683439.1	-40.9899	-0.64634	16310043	-1.4E+07	-242182
1031.2	683462.6	-40.9823	-0.65706	16311905	-1.4E+07	-246197
1031.4	683486	-40.9747	-0.66777	16313766	-1.4E+07	-250213
1031.6	683509.5	-40.9672	-0.67849	16315625	-1.4E+07	-254228
1031.8	683533	-40.9596	-0.6892	16317484	-1.4E+07	-258243
1032	683556.5	-40.952	-0.69992	16319343	-1.4E+07	-262259
1032.2	683580	-40.9444	-0.71064	16321200	-1.4E+07	-266274
1032.4	683603.6	-40.9368	-0.72135	16323056	-1.4E+07	-270289
1032.6	683627.1	-40.9292	-0.73207	16324912	-1.4E+07	-274304
1032.8	683650.7	-40.9216	-0.74278	16326767	-1.4E+07	-278320
1033	683674.2	-40.914	-0.7535	16328621	-1.4E+07	-282335
1033.2	683697.8	-40.9064	-0.76421	16330474	-1.4E+07	-286350

1033.4	683721.4	-40.8988	-0.77493	16332326	-1.4E+07	-290365
1033.6	683745	-40.8912	-0.78565	16334178	-1.4E+07	-294380
1033.8	683768.6	-40.8836	-0.79636	16336028	-1.4E+07	-298396
1034	683792.2	-40.876	-0.80708	16337878	-1.4E+07	-302411
1034.2	683815.8	-40.8684	-0.81779	16339727	-1.4E+07	-306426
1034.4	683839.5	-40.8608	-0.82851	16341575	-1.4E+07	-310441
1034.6	683863.1	-40.8532	-0.83922	16343422	-1.4E+07	-314456
1034.8	683886.8	-40.8456	-0.84994	16345268	-1.4E+07	-318471
1035	683910.4	-40.8381	-0.86065	16347114	-1.4E+07	-322486
1035.2	683934.1	-40.8305	-0.87137	16348958	-1.4E+07	-326501
1035.4	683957.8	-40.8229	-0.88208	16350802	-1.4E+07	-330516
1035.6	683981.5	-40.8153	-0.8928	16352645	-1.4E+07	-334531
1035.8	684005.2	-40.8077	-0.90351	16354487	-1.4E+07	-338546
1036	684029	-40.8001	-0.91423	16356328	-1.4E+07	-342561
1036.2	684052.7	-40.7925	-0.92494	16358169	-1.4E+07	-346576
1036.4	684076.5	-40.7849	-0.93566	16360008	-1.4E+07	-350591
1036.6	684100.2	-40.7773	-0.94637	16361847	-1.4E+07	-354606
1036.8	684124	-40.7697	-0.95709	16363685	-1.4E+07	-358621
1037	684147.8	-40.7621	-0.9678	16365522	-1.4E+07	-362636
1037.2	684171.6	-40.7545	-0.97852	16367358	-1.4E+07	-366650
1037.4	684195.4	-40.7469	-0.98923	16369194	-1.4E+07	-370665
1037.6	684219.2	-40.7393	-0.99995	16371028	-1.4E+07	-374680
1037.8	684243	-40.7317	-1.01066	16372862	-1.4E+07	-378695
1038	684266.8	-40.7241	-1.02138	16374695	-1.4E+07	-382710
1038.2	684290.7	-40.7165	-1.03209	16376526	-1.4E+07	-386724
1038.4	684314.5	-40.7089	-1.04281	16378358	-1.4E+07	-390739
1038.6	684338.4	-40.7014	-1.05352	16380188	-1.4E+07	-394754
1038.8	684362.3	-40.6938	-1.06423	16382017	-1.4E+07	-398768
1039	684386.2	-40.6862	-1.07495	16383846	-1.4E+07	-402783
1039.2	684410.1	-40.6786	-1.08566	16385673	-1.4E+07	-406798
1039.4	684434	-40.671	-1.09638	16387500	-1.4E+07	-410812
1039.6	684457.9	-40.6634	-1.10709	16389326	-1.4E+07	-414827
1039.8	684481.9	-40.6558	-1.11781	16391152	-1.4E+07	-418841
1040	684505.8	-40.6482	-1.12852	16392976	-1.4E+07	-422856
1040.2	684529.8	-40.6406	-1.13923	16394799	-1.4E+07	-426870
1040.4	684553.7	-40.633	-1.14995	16396622	-1.4E+07	-430885
1040.6	684577.7	-40.6254	-1.16066	16398444	-1.4E+07	-434899
1040.8	684601.7	-40.6178	-1.17138	16400265	-1.4E+07	-438914
1041	684625.7	-40.6102	-1.18209	16402085	-1.4E+07	-442928
1041.2	684649.7	-40.6026	-1.1928	16403904	-1.4E+07	-446942
1041.4	684673.7	-40.595	-1.20352	16405722	-1.4E+07	-450957
1041.6	684697.8	-40.5874	-1.21423	16407540	-1.4E+07	-454971
1041.8	684721.8	-40.5798	-1.22494	16409357	-1.4E+07	-458985
1042	684745.9	-40.5722	-1.23566	16411172	-1.4E+07	-463000
1042.2	684769.9	-40.5646	-1.24637	16412987	-1.4E+07	-467014
1042.4	684794	-40.557	-1.25708	16414801	-1.4E+07	-471028
1042.6	684818.1	-40.5494	-1.2678	16416615	-1.4E+07	-475042

1042.8	684842.2	-40.5418	-1.27851	16418427	-1.4E+07	-479057
1043	684866.3	-40.5343	-1.28922	16420239	-1.4E+07	-483071
1043.2	684890.4	-40.5267	-1.29994	16422050	-1.4E+07	-487085
1043.4	684914.6	-40.5191	-1.31065	16423859	-1.4E+07	-491099
1043.6	684938.7	-40.5115	-1.32136	16425668	-1.4E+07	-495113
1043.8	684962.9	-40.5039	-1.33208	16427477	-1.4E+07	-499127
1044	684987	-40.4963	-1.34279	16429284	-1.4E+07	-503141
1044.2	685011.2	-40.4887	-1.3535	16431090	-1.4E+07	-507155
1044.4	685035.4	-40.4811	-1.36422	16432896	-1.4E+07	-511169
1044.6	685059.6	-40.4735	-1.37493	16434701	-1.4E+07	-515183
1044.8	685083.8	-40.4659	-1.38564	16436505	-1.4E+07	-519197
1045	685108	-40.4583	-1.39635	16438308	-1.4E+07	-523211
1045.2	685132.3	-40.4507	-1.40707	16440110	-1.4E+07	-527224
1045.4	685156.5	-40.4431	-1.41778	16441912	-1.4E+07	-531238
1045.6	685180.7	-40.4355	-1.42849	16443712	-1.4E+07	-535252
1045.8	685205	-40.4279	-1.43921	16445512	-1.4E+07	-539266
1046	685229.3	-40.4203	-1.44992	16447311	-1.4E+07	-543280
1046.2	685253.6	-40.4127	-1.46063	16449109	-1.4E+07	-547293
1046.4	685277.9	-40.4051	-1.47134	16450906	-1.4E+07	-551307
1046.6	685302.2	-40.3975	-1.48205	16452702	-1.4E+07	-555320
1046.8	685326.5	-40.3899	-1.49277	16454498	-1.4E+07	-559334
1047	685350.8	-40.3823	-1.50348	16456292	-1.4E+07	-563348
1047.2	685375.2	-40.3747	-1.51419	16458086	-1.4E+07	-567361
1047.4	685399.5	-40.3671	-1.5249	16459879	-1.4E+07	-571375
1047.6	685423.9	-40.3595	-1.53562	16461671	-1.4E+07	-575388
1047.8	685448.2	-40.3519	-1.54633	16463462	-1.4E+07	-579402
1048	685472.6	-40.3443	-1.55704	16465252	-1.4E+07	-583415
1048.2	685497	-40.3367	-1.56775	16467042	-1.4E+07	-587428
1048.4	685521.4	-40.3291	-1.57846	16468830	-1.4E+07	-591442
1048.6	685545.8	-40.3215	-1.58917	16470618	-1.4E+07	-595455
1048.8	685570.3	-40.3139	-1.59989	16472405	-1.4E+07	-599468
1049	685594.7	-40.3063	-1.6106	16474191	-1.4E+07	-603481
1049.2	685619.2	-40.2988	-1.62131	16475976	-1.4E+07	-607495
1049.4	685643.6	-40.2912	-1.63202	16477761	-1.4E+07	-611508
1049.6	685668.1	-40.2836	-1.64273	16479544	-1.4E+07	-615521
1049.8	685692.6	-40.276	-1.65344	16481327	-1.4E+07	-619534
1050	685717.1	-40.2684	-1.66416	16483109	-1.4E+07	-623547
1050.2	685741.6	-40.2608	-1.67487	16484890	-1.4E+07	-627560
1050.4	685766.1	-40.2532	-1.68558	16486670	-1.4E+07	-631573
1050.6	685790.6	-40.2456	-1.69629	16488449	-1.4E+07	-635586
1050.8	685815.1	-40.238	-1.707	16490228	-1.4E+07	-639599
1051	685839.7	-40.2304	-1.71771	16492005	-1.4E+07	-643612
1051.2	685864.3	-40.2228	-1.72842	16493782	-1.4E+07	-647625
1051.4	685888.8	-40.2152	-1.73913	16495558	-1.4E+07	-651637
1051.6	685913.4	-40.2076	-1.74984	16497333	-1.4E+07	-655650
1051.8	685938	-40.2	-1.76055	16499107	-1.4E+07	-659663
1052	685962.6	-40.1924	-1.77126	16500880	-1.4E+07	-663676

1052.2	685987.2	-40.1848	-1.78198	16502653	-1.4E+07	-667688
1052.4	686011.8	-40.1772	-1.79269	16504424	-1.4E+07	-671701
1052.6	686036.5	-40.1696	-1.8034	16506195	-1.4E+07	-675714
1052.8	686061.1	-40.162	-1.81411	16507965	-1.4E+07	-679726
1053	686085.8	-40.1544	-1.82482	16509734	-1.4E+07	-683739
1053.2	686110.4	-40.1468	-1.83553	16511502	-1.4E+07	-687751
1053.4	686135.1	-40.1392	-1.84624	16513269	-1.4E+07	-691764
1053.6	686159.8	-40.1316	-1.85695	16515036	-1.4E+07	-695776
1053.8	686184.5	-40.124	-1.86766	16516802	-1.4E+07	-699788
1054	686209.2	-40.1164	-1.87837	16518566	-1.4E+07	-703801
1054.2	686233.9	-40.1088	-1.88908	16520330	-1.4E+07	-707813
1054.4	686258.7	-40.1012	-1.89979	16522093	-1.4E+07	-711825
1054.6	686283.4	-40.0936	-1.9105	16523855	-1.4E+07	-715837
1054.8	686308.2	-40.086	-1.92121	16525617	-1.4E+07	-719849
1055	686332.9	-40.0784	-1.93192	16527377	-1.4E+07	-723862
1055.2	686357.7	-40.0708	-1.94263	16529137	-1.4E+07	-727874
1055.4	686382.5	-40.0632	-1.95334	16530896	-1.4E+07	-731886
1055.6	686407.3	-40.0556	-1.96405	16532654	-1.4E+07	-735898
1055.8	686432.1	-40.048	-1.97476	16534411	-1.4E+07	-739910
1056	686456.9	-40.0404	-1.98546	16536167	-1.4E+07	-743922
1056.2	686481.7	-40.0328	-1.99617	16537922	-1.4E+07	-747933
1056.4	686506.6	-40.0252	-2.00688	16539677	-1.4E+07	-751945
1056.6	686531.4	-40.0176	-2.01759	16541431	-1.4E+07	-755957
1056.8	686556.3	-40.01	-2.0283	16543183	-1.4E+07	-759969
1057	686581.2	-40.0024	-2.03901	16544935	-1.4E+07	-763980
1057.2	686606	-39.9948	-2.04972	16546687	-1.4E+07	-767992
1057.4	686630.9	-39.9872	-2.06043	16548437	-1.4E+07	-772004
1057.6	686655.8	-39.9796	-2.07114	16550186	-1.4E+07	-776015
1057.8	686680.8	-39.972	-2.08185	16551935	-1.4E+07	-780027
1058	686705.7	-39.9644	-2.09255	16553682	-1.4E+07	-784038
1058.2	686730.6	-39.9568	-2.10326	16555429	-1.4E+07	-788050
1058.4	686755.6	-39.9492	-2.11397	16557175	-1.4E+07	-792061
1058.6	686780.5	-39.9416	-2.12468	16558920	-1.4E+07	-796073
1058.8	686805.5	-39.934	-2.13539	16560665	-1.4E+07	-800084
1059	686830.5	-39.9264	-2.1461	16562408	-1.4E+07	-804095
1059.2	686855.5	-39.9188	-2.1568	16564151	-1.4E+07	-808106
1059.4	686880.5	-39.9112	-2.16751	16565892	-1.4E+07	-812117
1059.6	686905.5	-39.9036	-2.17822	16567633	-1.4E+07	-816129
1059.8	686930.5	-39.896	-2.18893	16569373	-1.4E+07	-820140
1060	686955.5	-39.8884	-2.19964	16571112	-1.4E+07	-824151
1060.2	686980.6	-39.8808	-2.21034	16572851	-1.4E+07	-828162
1060.4	687005.6	-39.8732	-2.22105	16574588	-1.4E+07	-832173
1060.6	687030.7	-39.8655	-2.23176	16576325	-1.4E+07	-836184
1060.8	687055.8	-39.8579	-2.24247	16578060	-1.4E+07	-840194
1061	687080.9	-39.8503	-2.25317	16579795	-1.4E+07	-844205
1061.2	687106	-39.8427	-2.26388	16581529	-1.4E+07	-848216
1061.4	687131.1	-39.8351	-2.27459	16583262	-1.4E+07	-852227

1061.6	687156.2	-39.8275	-2.2853	16584995	-1.4E+07	-856237
1061.8	687181.3	-39.8199	-2.296	16586726	-1.4E+07	-860248
1062	687206.5	-39.8123	-2.30671	16588457	-1.4E+07	-864258
1062.2	687231.6	-39.8047	-2.31742	16590186	-1.4E+07	-868269
1062.4	687256.8	-39.7971	-2.32813	16591915	-1.4E+07	-872279
1062.6	687282	-39.7895	-2.33883	16593643	-1.4E+07	-876290
1062.8	687307.2	-39.7819	-2.34954	16595370	-1.4E+07	-880300
1063	687332.4	-39.7743	-2.36025	16597097	-1.4E+07	-884311
1063.2	687357.6	-39.7667	-2.37095	16598822	-1.4E+07	-888321
1063.4	687382.8	-39.7591	-2.38166	16600547	-1.4E+07	-892331
1063.6	687408	-39.7515	-2.39237	16602270	-1.4E+07	-896341
1063.8	687433.3	-39.7439	-2.40307	16603993	-1.4E+07	-900351
1064	687458.5	-39.7363	-2.41378	16605715	-1.4E+07	-904361
1064.2	687483.8	-39.7287	-2.42449	16607436	-1.4E+07	-908371
1064.4	687509	-39.7211	-2.43519	16609157	-1.4E+07	-912381
1064.6	687534.3	-39.7135	-2.4459	16610876	-1.4E+07	-916391
1064.8	687559.6	-39.7059	-2.4566	16612595	-1.4E+07	-920401
1065	687584.9	-39.6983	-2.46731	16614313	-1.4E+07	-924411
1065.2	687610.2	-39.6907	-2.47802	16616029	-1.4E+07	-928421
1065.4	687635.6	-39.6831	-2.48872	16617745	-1.4E+07	-932430
1065.6	687660.9	-39.6754	-2.49943	16619461	-1.4E+07	-936440
1065.8	687686.2	-39.6678	-2.51013	16621175	-1.4E+07	-940450
1066	687711.6	-39.6602	-2.52084	16622888	-1.4E+07	-944459
1066.2	687737	-39.6526	-2.53154	16624601	-1.4E+07	-948469
1066.4	687762.4	-39.645	-2.54225	16626313	-1.4E+07	-952478
1066.6	687787.7	-39.6374	-2.55295	16628023	-1.4E+07	-956488
1066.8	687813.1	-39.6298	-2.56366	16629733	-1.4E+07	-960497
1067	687838.6	-39.6222	-2.57436	16631443	-1.4E+07	-964506
1067.2	687864	-39.6146	-2.58507	16633151	-1.4E+07	-968515
1067.4	687889.4	-39.607	-2.59578	16634858	-1.4E+07	-972525
1067.6	687914.9	-39.5994	-2.60648	16636565	-1.4E+07	-976534
1067.8	687940.3	-39.5918	-2.61718	16638271	-1.4E+07	-980543
1068	687965.8	-39.5842	-2.62789	16639976	-1.4E+07	-984552
1068.2	687991.3	-39.5766	-2.63859	16641680	-1.4E+07	-988561
1068.4	688016.7	-39.569	-2.6493	16643383	-1.4E+07	-992570
1068.6	688042.2	-39.5614	-2.66	16645085	-1.4E+07	-996578
1068.8	688067.8	-39.5537	-2.67071	16646786	-1.4E+07	-1000587
1069	688093.3	-39.5461	-2.68141	16648487	-1.4E+07	-1004596
1069.2	688118.8	-39.5385	-2.69212	16650187	-1.4E+07	-1008605
1069.4	688144.3	-39.5309	-2.70282	16651886	-1.4E+07	-1012613
1069.6	688169.9	-39.5233	-2.71352	16653584	-1.4E+07	-1016622
1069.8	688195.5	-39.5157	-2.72423	16655281	-1.4E+07	-1020630
1070	688221	-39.5081	-2.73493	16656977	-1.4E+07	-1024639
1070.2	688246.6	-39.5005	-2.74564	16658672	-1.4E+07	-1028647
1070.4	688272.2	-39.4929	-2.75634	16660367	-1.4E+07	-1032656
1070.6	688297.8	-39.4853	-2.76704	16662061	-1.4E+07	-1036664
1070.8	688323.4	-39.4777	-2.77775	16663753	-1.4E+07	-1040672

1071	688349.1	-39.4701	-2.78845	16665445	-1.4E+07	-1044680
1071.2	688374.7	-39.4624	-2.79915	16667137	-1.4E+07	-1048688
1071.4	688400.3	-39.4548	-2.80986	16668827	-1.4E+07	-1052696
1071.6	688426	-39.4472	-2.82056	16670516	-1.4E+07	-1056704
1071.8	688451.7	-39.4396	-2.83126	16672205	-1.4E+07	-1060712
1072	688477.4	-39.432	-2.84197	16673892	-1.4E+07	-1064720
1072.2	688503	-39.4244	-2.85267	16675579	-1.4E+07	-1068728
1072.4	688528.7	-39.4168	-2.86337	16677265	-1.4E+07	-1072736
1072.6	688554.5	-39.4092	-2.87407	16678950	-1.4E+07	-1076743
1072.8	688580.2	-39.4016	-2.88478	16680635	-1.4E+07	-1080751
1073	688605.9	-39.394	-2.89548	16682318	-1.4E+07	-1084758
1073.2	688631.7	-39.3864	-2.90618	16684000	-1.4E+07	-1088766
1073.4	688657.4	-39.3787	-2.91689	16685682	-1.4E+07	-1092773
1073.6	688683.2	-39.3711	-2.92759	16687363	-1.4E+07	-1096781
1073.8	688709	-39.3635	-2.93829	16689043	-1.4E+07	-1100788
1074	688734.7	-39.3559	-2.94899	16690722	-1.4E+07	-1104795
1074.2	688760.5	-39.3483	-2.95969	16692400	-1.4E+07	-1108803
1074.4	688786.3	-39.3407	-2.9704	16694077	-1.4E+07	-1112810
1074.6	688812.2	-39.3331	-2.9811	16695754	-1.4E+07	-1116817
1074.8	688838	-39.3255	-2.9918	16697430	-1.4E+07	-1120824
1075	688863.8	-39.3179	-3.0025	16699104	-1.4E+07	-1124831
1075.2	688889.7	-39.3102	-3.0132	16700778	-1.4E+07	-1128838
1075.4	688915.6	-39.3026	-3.0239	16702451	-1.4E+07	-1132844
1075.6	688941.4	-39.295	-3.03461	16704124	-1.4E+07	-1136851
1075.8	688967.3	-39.2874	-3.04531	16705795	-1.4E+07	-1140858
1076	688993.2	-39.2798	-3.05601	16707465	-1.4E+07	-1144864
1076.2	689019.1	-39.2722	-3.06671	16709135	-1.4E+07	-1148871
1076.4	689045	-39.2646	-3.07741	16710804	-1.4E+07	-1152878
1076.6	689070.9	-39.257	-3.08811	16712472	-1.4E+07	-1156884
1076.8	689096.9	-39.2493	-3.09881	16714139	-1.4E+07	-1160890
1077	689122.8	-39.2417	-3.10951	16715805	-1.4E+07	-1164897
1077.2	689148.8	-39.2341	-3.12021	16717470	-1.4E+07	-1168903
1077.4	689174.8	-39.2265	-3.13091	16719135	-1.4E+07	-1172909
1077.6	689200.7	-39.2189	-3.14161	16720798	-1.4E+07	-1176915
1077.8	689226.7	-39.2113	-3.15231	16722461	-1.4E+07	-1180921
1078	689252.7	-39.2037	-3.16301	16724123	-1.4E+07	-1184927
1078.2	689278.7	-39.196	-3.17371	16725784	-1.4E+07	-1188933
1078.4	689304.8	-39.1884	-3.18441	16727444	-1.4E+07	-1192939
1078.6	689330.8	-39.1808	-3.19511	16729103	-1.4E+07	-1196945
1078.8	689356.8	-39.1732	-3.20581	16730761	-1.4E+07	-1200950
1079	689382.9	-39.1656	-3.21651	16732419	-1.4E+07	-1204956
1079.2	689409	-39.158	-3.22721	16734076	-1.4E+07	-1208962
1079.4	689435	-39.1504	-3.23791	16735732	-1.4E+07	-1212967
1079.6	689461.1	-39.1427	-3.24861	16737386	-1.4E+07	-1216973
1079.8	689487.2	-39.1351	-3.25931	16739041	-1.4E+07	-1220978
1080	689513.3	-39.1275	-3.27001	16740694	-1.4E+07	-1224983
1080.2	689539.4	-39.1199	-3.28071	16742346	-1.4E+07	-1228988

1080.4	689565.6	-39.1123	-3.29141	16743998	-1.4E+07	-1232994
1080.6	689591.7	-39.1047	-3.30211	16745648	-1.4E+07	-1236999
1080.8	689617.9	-39.0971	-3.31281	16747298	-1.4E+07	-1241004
1081	689644	-39.0894	-3.32351	16748947	-1.4E+07	-1245009
1081.2	689670.2	-39.0818	-3.3342	16750595	-1.4E+07	-1249014
1081.4	689696.4	-39.0742	-3.3449	16752242	-1.4E+07	-1253018
1081.6	689722.6	-39.0666	-3.3556	16753889	-1.4E+07	-1257023
1081.8	689748.8	-39.059	-3.3663	16755534	-1.4E+07	-1261028
1082	689775	-39.0514	-3.377	16757179	-1.4E+07	-1265032
1082.2	689801.2	-39.0437	-3.3877	16758822	-1.4E+07	-1269037
1082.4	689827.4	-39.0361	-3.39839	16760465	-1.4E+07	-1273041
1082.6	689853.7	-39.0285	-3.40909	16762107	-1.4E+07	-1277046
1082.8	689879.9	-39.0209	-3.41979	16763749	-1.4E+07	-1281050
1083	689906.2	-39.0133	-3.43049	16765389	-1.4E+07	-1285054
1083.2	689932.5	-39.0056	-3.44119	16767028	-1.4E+07	-1289058
1083.4	689958.8	-38.998	-3.45188	16768667	-1.4E+07	-1293063
1083.6	689985.1	-38.9904	-3.46258	16770304	-1.4E+07	-1297067
1083.8	690011.4	-38.9828	-3.47328	16771941	-1.4E+07	-1301071
1084	690037.7	-38.9752	-3.48398	16773577	-1.4E+07	-1305074
1084.2	690064	-38.9676	-3.49467	16775212	-1.4E+07	-1309078
1084.4	690090.4	-38.9599	-3.50537	16776847	-1.4E+07	-1313082
1084.6	690116.7	-38.9523	-3.51607	16778480	-1.4E+07	-1317086
1084.8	690143.1	-38.9447	-3.52676	16780113	-1.4E+07	-1321089
1085	690169.4	-38.9371	-3.53746	16781744	-1.4E+07	-1325093
1085.2	690195.8	-38.9295	-3.54816	16783375	-1.4E+07	-1329096
1085.4	690222.2	-38.9218	-3.55885	16785005	-1.4E+07	-1333100
1085.6	690248.6	-38.9142	-3.56955	16786634	-1.4E+07	-1337103
1085.8	690275	-38.9066	-3.58025	16788262	-1.4E+07	-1341106
1086	690301.5	-38.899	-3.59094	16789889	-1.4E+07	-1345109
1086.2	690327.9	-38.8914	-3.60164	16791516	-1.4E+07	-1349112
1086.4	690354.3	-38.8837	-3.61233	16793142	-1.4E+07	-1353115
1086.6	690380.8	-38.8761	-3.62303	16794766	-1.4E+07	-1357118
1086.8	690407.3	-38.8685	-3.63373	16796390	-1.4E+07	-1361121
1087	690433.7	-38.8609	-3.64442	16798013	-1.4E+07	-1365124
1087.2	690460.2	-38.8533	-3.65512	16799635	-1.4E+07	-1369126
1087.4	690486.7	-38.8456	-3.66581	16801257	-1.4E+07	-1373129
1087.6	690513.2	-38.838	-3.67651	16802877	-1.4E+07	-1377132
1087.8	690539.8	-38.8304	-3.6872	16804496	-1.4E+07	-1381134
1088	690566.3	-38.8228	-3.6979	16806115	-1.4E+07	-1385136
1088.2	690592.8	-38.8151	-3.70859	16807733	-1.4E+07	-1389139
1088.4	690619.4	-38.8075	-3.71929	16809350	-1.4E+07	-1393141
1088.6	690646	-38.7999	-3.72998	16810966	-1.4E+07	-1397143
1088.8	690672.5	-38.7923	-3.74068	16812581	-1.4E+07	-1401145
1089	690699.1	-38.7847	-3.75137	16814196	-1.4E+07	-1405147
1089.2	690725.7	-38.777	-3.76207	16815809	-1.4E+07	-1409149
1089.4	690752.3	-38.7694	-3.77276	16817422	-1.4E+07	-1413151
1089.6	690778.9	-38.7618	-3.78345	16819033	-1.4E+07	-1417153

1089.8	690805.6	-38.7542	-3.79415	16820644	-1.4E+07	-1421154
1090	690832.2	-38.7465	-3.80484	16822254	-1.3E+07	-1425156
1090.2	690858.8	-38.7389	-3.81554	16823864	-1.3E+07	-1429157
1090.4	690885.5	-38.7313	-3.82623	16825472	-1.3E+07	-1433159
1090.6	690912.2	-38.7237	-3.83692	16827079	-1.3E+07	-1437160
1090.8	690938.8	-38.716	-3.84762	16828686	-1.3E+07	-1441161
1091	690965.5	-38.7084	-3.85831	16830291	-1.3E+07	-1445163
1091.2	690992.2	-38.7008	-3.869	16831896	-1.3E+07	-1449164
1091.4	691018.9	-38.6932	-3.8797	16833500	-1.3E+07	-1453165
1091.6	691045.7	-38.6855	-3.89039	16835103	-1.3E+07	-1457166
1091.8	691072.4	-38.6779	-3.90108	16836706	-1.3E+07	-1461167
1092	691099.1	-38.6703	-3.91178	16838307	-1.3E+07	-1465167
1092.2	691125.9	-38.6627	-3.92247	16839907	-1.3E+07	-1469168
1092.4	691152.6	-38.655	-3.93316	16841507	-1.3E+07	-1473169
1092.6	691179.4	-38.6474	-3.94385	16843106	-1.3E+07	-1477169
1092.8	691206.2	-38.6398	-3.95455	16844704	-1.3E+07	-1481170
1093	691233	-38.6322	-3.96524	16846301	-1.3E+07	-1485170
1093.2	691259.8	-38.6245	-3.97593	16847897	-1.3E+07	-1489170
1093.4	691286.6	-38.6169	-3.98662	16849492	-1.3E+07	-1493171
1093.6	691313.4	-38.6093	-3.99731	16851087	-1.3E+07	-1497171
1093.8	691340.3	-38.6016	-4.00801	16852680	-1.3E+07	-1501171
1094	691367.1	-38.594	-4.0187	16854273	-1.3E+07	-1505171
1094.2	691394	-38.5864	-4.02939	16855865	-1.3E+07	-1509171
1094.4	691420.9	-38.5788	-4.04008	16857456	-1.3E+07	-1513170
1094.6	691447.7	-38.5711	-4.05077	16859046	-1.3E+07	-1517170
1094.8	691474.6	-38.5635	-4.06146	16860635	-1.3E+07	-1521170
1095	691501.5	-38.5559	-4.07216	16862223	-1.3E+07	-1525169
1095.2	691528.4	-38.5482	-4.08285	16863811	-1.3E+07	-1529169
1095.4	691555.3	-38.5406	-4.09354	16865397	-1.3E+07	-1533168
1095.6	691582.3	-38.533	-4.10423	16866983	-1.3E+07	-1537167
1095.8	691609.2	-38.5254	-4.11492	16868568	-1.3E+07	-1541166
1096	691636.2	-38.5177	-4.12561	16870152	-1.3E+07	-1545166
1096.2	691663.1	-38.5101	-4.1363	16871735	-1.3E+07	-1549165
1096.4	691690.1	-38.5025	-4.14699	16873318	-1.3E+07	-1553163
1096.6	691717.1	-38.4948	-4.15768	16874899	-1.3E+07	-1557162
1096.8	691744.1	-38.4872	-4.16837	16876480	-1.3E+07	-1561161
1097	691771.1	-38.4796	-4.17906	16878059	-1.3E+07	-1565160
1097.2	691798.1	-38.4719	-4.18975	16879638	-1.3E+07	-1569158
1097.4	691825.1	-38.4643	-4.20044	16881216	-1.3E+07	-1573157
1097.6	691852.2	-38.4567	-4.21113	16882793	-1.3E+07	-1577155
1097.8	691879.2	-38.449	-4.22182	16884369	-1.3E+07	-1581154
1098	691906.3	-38.4414	-4.23251	16885945	-1.3E+07	-1585152
1098.2	691933.3	-38.4338	-4.2432	16887519	-1.3E+07	-1589150
1098.4	691960.4	-38.4262	-4.25389	16889093	-1.3E+07	-1593148
1098.6	691987.5	-38.4185	-4.26458	16890665	-1.3E+07	-1597146
1098.8	692014.6	-38.4109	-4.27526	16892237	-1.3E+07	-1601144
1099	692041.7	-38.4033	-4.28595	16893808	-1.3E+07	-1605142

1099.2	692068.8	-38.3956	-4.29664	16895378	-1.3E+07	-1609139
1099.4	692096	-38.388	-4.30733	16896948	-1.3E+07	-1613137
1099.6	692123.1	-38.3804	-4.31802	16898516	-1.3E+07	-1617134
1099.8	692150.2	-38.3727	-4.32871	16900083	-1.3E+07	-1621132
1100	692177.4	-38.3651	-4.33939	16901650	-1.3E+07	-1625129
1100.2	692204.6	-38.3575	-4.35008	16903216	-1.3E+07	-1629126
1100.4	692231.8	-38.3498	-4.36077	16904781	-1.3E+07	-1633123
1100.6	692259	-38.3422	-4.37146	16906345	-1.3E+07	-1637120
1100.8	692286.2	-38.3345	-4.38215	16907908	-1.3E+07	-1641117
1101	692313.4	-38.3269	-4.39283	16909470	-1.3E+07	-1645114
1101.2	692340.6	-38.3193	-4.40352	16911032	-1.3E+07	-1649111
1101.4	692367.8	-38.3116	-4.41421	16912592	-1.3E+07	-1653108
1101.6	692395.1	-38.304	-4.42489	16914152	-1.3E+07	-1657104
1101.8	692422.3	-38.2964	-4.43558	16915711	-1.3E+07	-1661101
1102	692449.6	-38.2887	-4.44627	16917269	-1.3E+07	-1665097
1102.2	692476.9	-38.2811	-4.45696	16918826	-1.3E+07	-1669094
1102.4	692504.2	-38.2735	-4.46764	16920382	-1.3E+07	-1673090
1102.6	692531.5	-38.2658	-4.47833	16921937	-1.3E+07	-1677086
1102.8	692558.8	-38.2582	-4.48901	16923492	-1.3E+07	-1681082
1103	692586.1	-38.2505	-4.4997	16925046	-1.3E+07	-1685078
1103.2	692613.4	-38.2429	-4.51039	16926598	-1.3E+07	-1689074
1103.4	692640.7	-38.2353	-4.52107	16928150	-1.3E+07	-1693070
1103.6	692668.1	-38.2276	-4.53176	16929701	-1.3E+07	-1697065
1103.8	692695.5	-38.22	-4.54244	16931251	-1.3E+07	-1701061
1104	692722.8	-38.2124	-4.55313	16932800	-1.3E+07	-1705056
1104.2	692750.2	-38.2047	-4.56382	16934349	-1.3E+07	-1709052
1104.4	692777.6	-38.1971	-4.5745	16935896	-1.3E+07	-1713047
1104.6	692805	-38.1894	-4.58519	16937443	-1.3E+07	-1717042
1104.8	692832.4	-38.1818	-4.59587	16938989	-1.3E+07	-1721037
1105	692859.8	-38.1742	-4.60656	16940534	-1.3E+07	-1725032
1105.2	692887.3	-38.1665	-4.61724	16942078	-1.3E+07	-1729027
1105.4	692914.7	-38.1589	-4.62793	16943621	-1.3E+07	-1733022
1105.6	692942.2	-38.1512	-4.63861	16945163	-1.3E+07	-1737016
1105.8	692969.6	-38.1436	-4.64929	16946705	-1.3E+07	-1741011
1106	692997.1	-38.136	-4.65998	16948245	-1.3E+07	-1745006
1106.2	693024.6	-38.1283	-4.67066	16949785	-1.3E+07	-1749000
1106.4	693052.1	-38.1207	-4.68135	16951324	-1.3E+07	-1752994
1106.6	693079.6	-38.113	-4.69203	16952862	-1.3E+07	-1756988
1106.8	693107.1	-38.1054	-4.70271	16954399	-1.3E+07	-1760983
1107	693134.6	-38.0978	-4.7134	16955935	-1.3E+07	-1764977
1107.2	693162.1	-38.0901	-4.72408	16957470	-1.3E+07	-1768970
1107.4	693189.7	-38.0825	-4.73476	16959005	-1.3E+07	-1772964
1107.6	693217.3	-38.0748	-4.74545	16960538	-1.3E+07	-1776958
1107.8	693244.8	-38.0672	-4.75613	16962071	-1.3E+07	-1780952
1108	693272.4	-38.0595	-4.76681	16963603	-1.3E+07	-1784945
1108.2	693300	-38.0519	-4.7775	16965134	-1.3E+07	-1788939
1108.4	693327.6	-38.0443	-4.78818	16966664	-1.3E+07	-1792932

1108.6	693355.2	-38.0366	-4.79886	16968193	-1.3E+07	-1796925
1108.8	693382.8	-38.029	-4.80954	16969721	-1.3E+07	-1800918
1109	693410.4	-38.0213	-4.82023	16971249	-1.3E+07	-1804911
1109.2	693438.1	-38.0137	-4.83091	16972775	-1.3E+07	-1808904
1109.4	693465.7	-38.006	-4.84159	16974301	-1.3E+07	-1812897
1109.6	693493.4	-37.9984	-4.85227	16975826	-1.3E+07	-1816890
1109.8	693521.1	-37.9907	-4.86295	16977350	-1.3E+07	-1820882
1110	693548.7	-37.9831	-4.87364	16978873	-1.3E+07	-1824875
1110.2	693576.4	-37.9754	-4.88432	16980395	-1.3E+07	-1828867
1110.4	693604.1	-37.9678	-4.895	16981917	-1.3E+07	-1832859
1110.6	693631.8	-37.9602	-4.90568	16983437	-1.3E+07	-1836852
1110.8	693659.6	-37.9525	-4.91636	16984957	-1.3E+07	-1840844
1111	693687.3	-37.9449	-4.92704	16986476	-1.3E+07	-1844836
1111.2	693715	-37.9372	-4.93772	16987993	-1.3E+07	-1848828
1111.4	693742.8	-37.9296	-4.9484	16989510	-1.3E+07	-1852819
1111.6	693770.6	-37.9219	-4.95908	16991027	-1.3E+07	-1856811
1111.8	693798.3	-37.9143	-4.96976	16992542	-1.3E+07	-1860803
1112	693826.1	-37.9066	-4.98044	16994056	-1.3E+07	-1864794
1112.2	693853.9	-37.899	-4.99112	16995570	-1.3E+07	-1868785
1112.4	693881.7	-37.8913	-5.0018	16997082	-1.3E+07	-1872777
1112.6	693909.5	-37.8837	-5.01248	16998594	-1.3E+07	-1876768
1112.8	693937.4	-37.876	-5.02316	17000105	-1.3E+07	-1880759
1113	693965.2	-37.8684	-5.03384	17001615	-1.3E+07	-1884750
1113.2	693993	-37.8607	-5.04452	17003124	-1.3E+07	-1888741
1113.4	694020.9	-37.8531	-5.0552	17004633	-1.3E+07	-1892731
1113.6	694048.8	-37.8454	-5.06588	17006140	-1.3E+07	-1896722
1113.8	694076.6	-37.8378	-5.07656	17007646	-1.3E+07	-1900713
1114	694104.5	-37.8301	-5.08724	17009152	-1.3E+07	-1904703
1114.2	694132.4	-37.8225	-5.09792	17010657	-1.3E+07	-1908693
1114.4	694160.3	-37.8148	-5.1086	17012161	-1.3E+07	-1912683
1114.6	694188.3	-37.8072	-5.11927	17013664	-1.3E+07	-1916674
1114.8	694216.2	-37.7995	-5.12995	17015166	-1.3E+07	-1920664
1115	694244.1	-37.7919	-5.14063	17016667	-1.3E+07	-1924653
1115.2	694272.1	-37.7842	-5.15131	17018168	-1.3E+07	-1928643
1115.4	694300	-37.7766	-5.16199	17019667	-1.3E+07	-1932633
1115.6	694328	-37.7689	-5.17266	17021166	-1.3E+07	-1936622
1115.8	694356	-37.7613	-5.18334	17022664	-1.3E+07	-1940612
1116	694384	-37.7536	-5.19402	17024161	-1.3E+07	-1944601
1116.2	694412	-37.746	-5.2047	17025657	-1.3E+07	-1948590
1116.4	694440	-37.7383	-5.21537	17027152	-1.3E+07	-1952580
1116.6	694468	-37.7306	-5.22605	17028646	-1.3E+07	-1956569
1116.8	694496	-37.723	-5.23673	17030140	-1.3E+07	-1960558
1117	694524.1	-37.7153	-5.2474	17031632	-1.3E+07	-1964546
1117.2	694552.1	-37.7077	-5.25808	17033124	-1.3E+07	-1968535
1117.4	694580.2	-37.7	-5.26876	17034615	-1.3E+07	-1972524
1117.6	694608.3	-37.6924	-5.27943	17036105	-1.3E+07	-1976512
1117.8	694636.4	-37.6847	-5.29011	17037594	-1.3E+07	-1980500

1118	694664.4	-37.6771	-5.30078	17039082	-1.3E+07	-1984489
1118.2	694692.6	-37.6694	-5.31146	17040569	-1.3E+07	-1988477
1118.4	694720.7	-37.6618	-5.32214	17042056	-1.3E+07	-1992465
1118.6	694748.8	-37.6541	-5.33281	17043541	-1.3E+07	-1996453
1118.8	694776.9	-37.6464	-5.34349	17045026	-1.3E+07	-2000440
1119	694805.1	-37.6388	-5.35416	17046510	-1.3E+07	-2004428
1119.2	694833.2	-37.6311	-5.36484	17047992	-1.3E+07	-2008416
1119.4	694861.4	-37.6235	-5.37551	17049475	-1.3E+07	-2012403
1119.6	694889.6	-37.6158	-5.38619	17050956	-1.3E+07	-2016391
1119.8	694917.8	-37.6081	-5.39686	17052436	-1.3E+07	-2020378
1120	694945.9	-37.6005	-5.40753	17053915	-1.3E+07	-2024365
1120.2	694974.2	-37.5928	-5.41821	17055394	-1.3E+07	-2028352
1120.4	695002.4	-37.5852	-5.42888	17056872	-1.3E+07	-2032339
1120.6	695030.6	-37.5775	-5.43956	17058348	-1.3E+07	-2036326
1120.8	695058.8	-37.5699	-5.45023	17059824	-1.3E+07	-2040312
1121	695087.1	-37.5622	-5.4609	17061299	-1.3E+07	-2044299
1121.2	695115.3	-37.5545	-5.47158	17062774	-1.3E+07	-2048285
1121.4	695143.6	-37.5469	-5.48225	17064247	-1.3E+07	-2052272
1121.6	695171.9	-37.5392	-5.49292	17065719	-1.3E+07	-2056258
1121.8	695200.2	-37.5315	-5.5036	17067191	-1.3E+07	-2060244
1122	695228.5	-37.5239	-5.51427	17068662	-1.3E+07	-2064230
1122.2	695256.8	-37.5162	-5.52494	17070131	-1.3E+07	-2068216
1122.4	695285.1	-37.5086	-5.53562	17071600	-1.3E+07	-2072201
1122.6	695313.4	-37.5009	-5.54629	17073068	-1.3E+07	-2076187
1122.8	695341.8	-37.4932	-5.55696	17074536	-1.3E+07	-2080173
1123	695370.1	-37.4856	-5.56763	17076002	-1.3E+07	-2084158
1123.2	695398.5	-37.4779	-5.5783	17077467	-1.3E+07	-2088143
1123.4	695426.9	-37.4702	-5.58898	17078932	-1.3E+07	-2092128
1123.6	695455.2	-37.4626	-5.59965	17080395	-1.3E+07	-2096113
1123.8	695483.6	-37.4549	-5.61032	17081858	-1.3E+07	-2100098
1124	695512	-37.4473	-5.62099	17083320	-1.3E+07	-2104083
1124.2	695540.4	-37.4396	-5.63166	17084781	-1.3E+07	-2108068
1124.4	695568.9	-37.4319	-5.64233	17086241	-1.3E+07	-2112052
1124.6	695597.3	-37.4243	-5.653	17087701	-1.3E+07	-2116037
1124.8	695625.7	-37.4166	-5.66368	17089159	-1.3E+07	-2120021
1125	695654.2	-37.4089	-5.67435	17090617	-1.3E+07	-2124005
1125.2	695682.6	-37.4013	-5.68502	17092073	-1.3E+07	-2127990
1125.4	695711.1	-37.3936	-5.69569	17093529	-1.3E+07	-2131974
1125.6	695739.6	-37.3859	-5.70636	17094984	-1.3E+07	-2135957
1125.8	695768.1	-37.3783	-5.71703	17096438	-1.3E+07	-2139941
1126	695796.6	-37.3706	-5.7277	17097891	-1.3E+07	-2143925
1126.2	695825.1	-37.3629	-5.73837	17099343	-1.3E+07	-2147908
1126.4	695853.6	-37.3553	-5.74904	17100795	-1.3E+07	-2151892
1126.6	695882.2	-37.3476	-5.75971	17102245	-1.3E+07	-2155875
1126.8	695910.7	-37.3399	-5.77037	17103695	-1.3E+07	-2159858
1127	695939.3	-37.3323	-5.78104	17105144	-1.3E+07	-2163841
1127.2	695967.8	-37.3246	-5.79171	17106592	-1.3E+07	-2167824

1127.4	695996.4	-37.3169	-5.80238	17108039	-1.3E+07	-2171807
1127.6	696025	-37.3093	-5.81305	17109485	-1.3E+07	-2175789
1127.8	696053.6	-37.3016	-5.82372	17110930	-1.3E+07	-2179772
1128	696082.2	-37.2939	-5.83439	17112374	-1.3E+07	-2183754
1128.2	696110.8	-37.2862	-5.84505	17113818	-1.3E+07	-2187737
1128.4	696139.4	-37.2786	-5.85572	17115260	-1.3E+07	-2191719
1128.6	696168.1	-37.2709	-5.86639	17116702	-1.3E+07	-2195701
1128.8	696196.7	-37.2632	-5.87706	17118143	-1.3E+07	-2199683
1129	696225.4	-37.2556	-5.88773	17119583	-1.3E+07	-2203665
1129.2	696254	-37.2479	-5.89839	17121022	-1.3E+07	-2207646
1129.4	696282.7	-37.2402	-5.90906	17122460	-1.3E+07	-2211628
1129.6	696311.4	-37.2325	-5.91973	17123898	-1.3E+07	-2215609
1129.8	696340.1	-37.2249	-5.93039	17125334	-1.3E+07	-2219591
1130	696368.8	-37.2172	-5.94106	17126770	-1.3E+07	-2223572
1130.2	696397.5	-37.2095	-5.95173	17128204	-1.3E+07	-2227553
1130.4	696426.2	-37.2018	-5.96239	17129638	-1.3E+07	-2231534
1130.6	696455	-37.1942	-5.97306	17131071	-1.3E+07	-2235515
1130.8	696483.7	-37.1865	-5.98372	17132503	-1.3E+07	-2239495
1131	696512.5	-37.1788	-5.99439	17133935	-1.3E+07	-2243476
1131.2	696541.2	-37.1711	-6.00506	17135365	-1.3E+07	-2247456
1131.4	696570	-37.1635	-6.01572	17136794	-1.3E+07	-2251437
1131.6	696598.8	-37.1558	-6.02639	17138223	-1.3E+07	-2255417
1131.8	696627.6	-37.1481	-6.03705	17139651	-1.3E+07	-2259397
1132	696656.4	-37.1404	-6.04772	17141077	-1.3E+07	-2263377
1132.2	696685.2	-37.1328	-6.05838	17142503	-1.3E+07	-2267357
1132.4	696714.1	-37.1251	-6.06905	17143928	-1.3E+07	-2271336
1132.6	696742.9	-37.1174	-6.07971	17145353	-1.3E+07	-2275316
1132.8	696771.7	-37.1097	-6.09038	17146776	-1.3E+07	-2279295
1133	696800.6	-37.1021	-6.10104	17148198	-1.3E+07	-2283274
1133.2	696829.5	-37.0944	-6.1117	17149620	-1.3E+07	-2287254
1133.4	696858.3	-37.0867	-6.12237	17151041	-1.3E+07	-2291233
1133.6	696887.2	-37.079	-6.13303	17152460	-1.3E+07	-2295212
1133.8	696916.1	-37.0713	-6.14369	17153879	-1.3E+07	-2299190
1134	696945	-37.0637	-6.15436	17155297	-1.3E+07	-2303169
1134.2	696974	-37.056	-6.16502	17156714	-1.3E+07	-2307148
1134.4	697002.9	-37.0483	-6.17568	17158131	-1.3E+07	-2311126
1134.6	697031.8	-37.0406	-6.18635	17159546	-1.3E+07	-2315104
1134.8	697060.8	-37.0329	-6.19701	17160961	-1.3E+07	-2319082
1135	697089.7	-37.0253	-6.20767	17162374	-1.3E+07	-2323060
1135.2	697118.7	-37.0176	-6.21833	17163787	-1.3E+07	-2327038
1135.4	697147.7	-37.0099	-6.229	17165199	-1.3E+07	-2331016
1135.6	697176.7	-37.0022	-6.23966	17166610	-1.3E+07	-2334994
1135.8	697205.7	-36.9945	-6.25032	17168020	-1.3E+07	-2338971
1136	697234.7	-36.9869	-6.26098	17169429	-1.3E+07	-2342948
1136.2	697263.7	-36.9792	-6.27164	17170837	-1.3E+07	-2346926
1136.4	697292.7	-36.9715	-6.2823	17172245	-1.3E+07	-2350903
1136.6	697321.8	-36.9638	-6.29297	17173651	-1.3E+07	-2354880

1136.8	697350.8	-36.9561	-6.30363	17175057	-1.3E+07	-2358857
1137	697379.9	-36.9484	-6.31429	17176462	-1.3E+07	-2362833
1137.2	697409	-36.9408	-6.32495	17177866	-1.3E+07	-2366810
1137.4	697438	-36.9331	-6.33561	17179269	-1.3E+07	-2370786
1137.6	697467.1	-36.9254	-6.34627	17180671	-1.3E+07	-2374762
1137.8	697496.2	-36.9177	-6.35693	17182073	-1.3E+07	-2378739
1138	697525.3	-36.91	-6.36759	17183473	-1.3E+07	-2382715
1138.2	697554.5	-36.9023	-6.37825	17184873	-1.3E+07	-2386691
1138.4	697583.6	-36.8946	-6.38891	17186271	-1.3E+07	-2390666
1138.6	697612.7	-36.887	-6.39957	17187669	-1.3E+07	-2394642
1138.8	697641.9	-36.8793	-6.41023	17189066	-1.3E+07	-2398617
1139	697671	-36.8716	-6.42089	17190462	-1.3E+07	-2402593
1139.2	697700.2	-36.8639	-6.43155	17191857	-1.3E+07	-2406568
1139.4	697729.4	-36.8562	-6.4422	17193251	-1.3E+07	-2410543
1139.6	697758.6	-36.8485	-6.45286	17194645	-1.3E+07	-2414518
1139.8	697787.8	-36.8408	-6.46352	17196037	-1.3E+07	-2418493
1140	697817	-36.8331	-6.47418	17197429	-1.3E+07	-2422468
1140.2	697846.2	-36.8254	-6.48484	17198820	-1.3E+07	-2426442
1140.4	697875.5	-36.8178	-6.49549	17200209	-1.3E+07	-2430417
1140.6	697904.7	-36.8101	-6.50615	17201598	-1.3E+07	-2434391
1140.8	697933.9	-36.8024	-6.51681	17202987	-1.3E+07	-2438365
1141	697963.2	-36.7947	-6.52747	17204374	-1.3E+07	-2442339
1141.2	697992.5	-36.787	-6.53812	17205760	-1.3E+07	-2446313
1141.4	698021.8	-36.7793	-6.54878	17207146	-1.3E+07	-2450287
1141.6	698051.1	-36.7716	-6.55944	17208530	-1.3E+07	-2454260
1141.8	698080.4	-36.7639	-6.5701	17209914	-1.3E+07	-2458234
1142	698109.7	-36.7562	-6.58075	17211297	-1.3E+07	-2462207
1142.2	698139	-36.7485	-6.59141	17212679	-1.3E+07	-2466180
1142.4	698168.3	-36.7408	-6.60206	17214060	-1.3E+07	-2470153
1142.6	698197.7	-36.7331	-6.61272	17215440	-1.3E+07	-2474126
1142.8	698227	-36.7255	-6.62338	17216819	-1.3E+07	-2478099
1143	698256.4	-36.7178	-6.63403	17218197	-1.3E+07	-2482072
1143.2	698285.7	-36.7101	-6.64469	17219575	-1.3E+07	-2486044
1143.4	698315.1	-36.7024	-6.65534	17220952	-1.3E+07	-2490016
1143.6	698344.5	-36.6947	-6.666	17222327	-1.3E+07	-2493989
1143.8	698373.9	-36.687	-6.67665	17223702	-1.3E+07	-2497961
1144	698403.3	-36.6793	-6.68731	17225076	-1.3E+07	-2501933
1144.2	698432.8	-36.6716	-6.69796	17226449	-1.3E+07	-2505904
1144.4	698462.2	-36.6639	-6.70861	17227822	-1.3E+07	-2509876
1144.6	698491.6	-36.6562	-6.71927	17229193	-1.3E+07	-2513848
1144.8	698521.1	-36.6485	-6.72992	17230563	-1.3E+07	-2517819
1145	698550.5	-36.6408	-6.74058	17231933	-1.3E+07	-2521790
1145.2	698580	-36.6331	-6.75123	17233302	-1.3E+07	-2525761
1145.4	698609.5	-36.6254	-6.76188	17234670	-1.3E+07	-2529732
1145.6	698639	-36.6177	-6.77254	17236036	-1.3E+07	-2533703
1145.8	698668.5	-36.61	-6.78319	17237403	-1.3E+07	-2537674
1146	698698	-36.6023	-6.79384	17238768	-1.3E+07	-2541644

1146.2	698727.5	-36.5946	-6.8045	17240132	-1.3E+07	-2545615
1146.4	698757.1	-36.5869	-6.81515	17241495	-1.3E+07	-2549585
1146.6	698786.6	-36.5792	-6.8258	17242858	-1.3E+07	-2553555
1146.8	698816.1	-36.5715	-6.83645	17244220	-1.3E+07	-2557525
1147	698845.7	-36.5638	-6.8471	17245580	-1.3E+07	-2561495
1147.2	698875.3	-36.5561	-6.85776	17246940	-1.3E+07	-2565464
1147.4	698904.9	-36.5484	-6.86841	17248299	-1.3E+07	-2569434
1147.6	698934.5	-36.5407	-6.87906	17249657	-1.3E+07	-2573403
1147.8	698964.1	-36.533	-6.88971	17251015	-1.3E+07	-2577373
1148	698993.7	-36.5253	-6.90036	17252371	-1.3E+07	-2581342
1148.2	699023.3	-36.5176	-6.91101	17253726	-1.3E+07	-2585311
1148.4	699052.9	-36.5099	-6.92166	17255081	-1.3E+07	-2589279
1148.6	699082.6	-36.5022	-6.93231	17256435	-1.3E+07	-2593248
1148.8	699112.2	-36.4945	-6.94296	17257788	-1.3E+07	-2597217
1149	699141.9	-36.4868	-6.95361	17259139	-1.3E+07	-2601185
1149.2	699171.5	-36.4791	-6.96426	17260490	-1.3E+07	-2605153
1149.4	699201.2	-36.4714	-6.97491	17261841	-1.3E+07	-2609121
1149.6	699230.9	-36.4637	-6.98556	17263190	-1.3E+07	-2613089
1149.8	699260.6	-36.4559	-6.99621	17264538	-1.3E+07	-2617057
1150	699290.3	-36.4482	-7.00686	17265886	-1.3E+07	-2621025

