

18690	-0.444	-0.247	25452471.112	25452470.824
18720	-110372.885	-86004.762	25431467.823	25431467.760
18750	-220809.768	-172059.475	25410452.351	25410452.963
18780	-331296.510	-258153.056	25389427.690	25389428.214
18810	-441827.509	-344281.117	25368393.999	25368394.497
18840	-552396.917	-430439.104	25347353.307	25347353.321
18870	-663014.348	-516634.517	25326303.343	25326302.973
18900	-773689.277	-602874.738	25305242.457	25305242.800
18930	-884415.720	-689155.082	25284172.322	25284173.222
18960	-995194.387	-775476.122	25263091.392	25263092.441
18990	-1106026.448	-861838.784	25242001.015	25242001.374
19020	-1216894.414	-948229.408	25220903.244	25220903.827
19050	-1327807.250	-1034654.992	25199797.942	25199798.013
19080	-1438775.479	-1121123.744	25178680.884	25178681.183
19110	-1549795.803	-1207633.072	25157555.173	25157555.287
19140	-1660872.786	-1294186.557	25136417.543	25136417.835
19170	-1772007.620	-1380785.112	25115269.092	25115269.368
19200	-1883178.546	-1467411.807	25094114.399	25094114.401
19230	-1994376.737	-1554059.748	25072953.836	25072953.792
19260	-2105599.960	-1640727.191	25051788.754	25051788.541
19290	-2216841.912	-1727409.244	25030620.243	25030620.447
19320	-2328107.338	-1814109.576	25009446.686	25009446.998
19350	-2439393.247	-1900825.877	24988270.164	24988270.118
19380	-2550687.587	-1987548.744	24967091.551	24967091.475
19410	-2661994.432	-2074281.371	24945910.897	24945910.434
19440	-2773302.735	-2161015.109	24924729.475	24924729.107
19470	-2884601.439	-2247741.377	24903549.839	24903550.031
19500	-2995898.646	-2334466.473	24882370.516	24882370.851
19530	-3107205.425	-2421199.017	24861189.479	24861189.873
19560	-3218508.896	-2507929.006	24840009.048	24840009.785
19590	-3329824.407	-2594668.393	24818826.770	24818826.977
19620	-3441171.591	-2681432.449	24797637.820	24797637.903
19650	-3552549.163	-2768220.169	24776443.291	24776443.372
19680	-3663944.124	-2855021.429	24755245.244	24755246.102
19710	-3775354.955	-2941835.056	24734044.580	24734044.964
19740	-3886750.528	-3028636.801	24712846.884	24712847.045
19770	-3998090.932	-3115395.584	24691660.110	24691659.798
19800	-4109366.993	-3202104.222	24670484.914	24670484.450
19830	-4220573.481	-3288758.619	24649322.407	24649322.669
19860	-4331706.792	-3375356.009	24628174.425	24628174.859
19890	-4442787.023	-3461912.029	24607036.606	24607036.982
19920	-4553838.950	-3548446.008	24585904.482	24585904.692
19950	-4664868.810	-3634962.778	24564776.465	24564776.339
19980	-4775898.196	-3721479.177	24543648.068	24543648.078
20010	-4886940.184	-3808005.390	24522517.212	24522517.665
20040	-4997998.526	-3894544.363	24501383.469	24501383.589
20070	-5109058.819	-3981084.835	24480249.448	24480249.804
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20190	-5552819.224	-4326872.155	24395804.950	24395804.657
20220	-5663527.300	-4413138.183	24374737.642	24374737.974
20250	-5774142.324	-4499331.685	24353688.368	24353688.508
20280	-5884676.370	-4585462.104	24332654.751	24332654.524
20310	-5995131.366	-4671530.925	24311635.810	24311635.550
20340	-6105521.202	-4757548.968	24290629.296	24290628.743
20370	-6215859.254	-4843526.663	24269632.604	24269632.328
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20430	-6436354.806	-5015341.375	24227673.225	24227673.960
20460	-6546505.169	-5101172.816	24206712.609	24206712.685
20490	-6656574.497	-5186941.113	24185767.077	24185767.160
20520	-6766550.668	-5272636.834	24164839.047	24164839.517
20550	-6876435.938	-5358261.731	24143928.987	24143928.765
20580	-6986237.515	-5443821.398	24123034.276	24123034.071
20610	-7095956.242	-5529316.507	24102155.411	24102155.609
20640	-7205592.443	-5614747.320	24081292.523	24081292.216
20670	-7315139.843	-5700108.931	24060445.888	24060446.218
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20730	-7533913.732	-5870582.098	24018814.826	24018815.367
20760	-7643117.944	-5955676.277	23998033.939	23998034.106
20790	-7752198.408	-6040674.043	23977276.530	23977276.656
20820	-7861151.469	-6125572.528	23956543.262	23956543.663
20850	-7969983.096	-6210376.390	23935833.348	23935834.039
20880	-8078706.119	-6295095.630	23915144.323	23915144.577
20910	-8187325.110	-6379733.819	23894474.647	23894474.931
20940	-8295840.780	-6464291.487	23873825.018	23873825.445
20970	-8404252.327	-6548768.022	23853194.947	23853195.245
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21030	-8620705.309	-6717432.715	23812005.405	23812005.436
21060	-8728715.657	-6801596.623	23791451.645	23791451.566
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21120	-8944261.974	-6969554.804	23750434.788	23750434.635
21150	-9051796.698	-7053348.104	23729971.448	23729971.583
21180	-9159173.480	-7137018.314	23709538.257	23709538.361
21210	-9266388.187	-7220562.255	23689136.317	23689136.018
21240	-9373445.501	-7303983.545	23668763.298	23668763.445
21270	-9480356.321	-7387290.684	23648419.290	23648419.083
21300	-9587118.545	-7470482.038	23628102.927	23628103.138
21330	-9693740.170	-7553563.825	23607813.569	23607813.755
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21390	-9906568.058	-7719403.751	23567313.695	23567313.735
21420	-10012734.966	-7802131.202	23547110.760	23547110.840
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21480	-10224525.874	-7967163.075	23506808.174	23506808.551
21510	-10330121.230	-8049445.178	23486714.087	23486714.604
21540	-10435522.089	-8131575.724	23466657.087	23466657.402

21570	-10540741.323	-8213564.732	23446634.563	23446634.789
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21630	-10750620.459	-8377106.901	23406695.786	23406696.151
21660	-10855294.406	-8458671.019	23386777.168	23386777.591
21690	-10959786.666	-8540093.553	23366892.851	23366893.362
21720	-11064081.701	-8621362.418	23347046.378	23347046.668
21750	-11168177.850	-8702476.303	23327237.504	23327237.556
21780	-11272066.323	-8783428.363	23307468.064	23307468.306
21810	-11375723.399	-8864200.102	23287742.766	23287743.066
21840	-11479149.317	-8944791.723	23268061.383	23268061.802
21870	-11582349.762	-9025207.666	23248423.085	23248423.392
21900	-11685330.626	-9105452.477	23228826.358	23228826.650
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22020	-12095256.058	-9424874.895	23150820.193	23150820.309
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22170	-12602550.898	-9820169.532	23054284.947	23054285.478
22200	-12703264.304	-9898647.509	23035120.352	23035120.391
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22320	-13103801.857	-10210754.685	22958900.476	22958900.703
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22440	-13500120.069	-10519574.070	22883483.421	22883483.660
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22500	-13696653.222	-10672716.771	22846084.426	22846084.694
22530	-13794537.044	-10748989.892	22827457.891	22827457.963
22560	-13892157.988	-10825058.156	22808881.004	22808881.339
22590	-13989493.183	-10900903.774	22790358.908	22790359.146
22620	-14086523.639	-10976511.921	22771894.734	22771894.765
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22680	-14279660.729	-11127008.376	22735142.117	22735141.999
22710	-14375769.708	-11201898.499	22716853.341	22716852.941
22740	-14471590.015	-11276563.677	22698619.137	22698619.036
22770	-14567113.462	-11350997.540	22680441.400	22680441.678
22800	-14662337.852	-11425198.371	22662320.997	22662321.131
22830	-14757263.286	-11499166.231	22644257.157	22644257.440
22860	-14851891.498	-11572902.476	22626250.030	22626250.102
22890	-14946213.060	-11646399.774	22608301.372	22608301.322
22920	-15040241.747	-11719668.849	22590408.225	22590408.237
22950	-15133973.007	-11792706.159	22572571.521	22572571.595
22980	-15227400.413	-11865506.714	22554792.953	22554792.885

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23040	-15413321.945	-12010380.606	22519413.213	22519413.095
23070	-15505793.872	-12082436.643	22501816.512	22501816.590
23100	-15597929.693	-12154230.780	22484283.452	22484283.401
23130	-15689721.695	-12225757.016	22466816.125	22466815.992
23160	-15781157.038	-12297005.332	22449416.348	22449416.580
23190	-15872236.792	-12367976.561	22432084.630	22432084.459
23220	-15962963.780	-12438672.899	22414819.869	22414819.618
23250	-16053331.562	-12509089.328	22397623.490	22397623.393
23280	-16143354.530	-12579237.077	22380492.858	22380492.493
23310	-16233041.069	-12649122.669	22363425.962	22363425.859
23340	-16322385.496	-12718741.682	22346424.142	22346424.106
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23400	-16500067.117	-12857194.871	22312612.464	22312612.373
23430	-16588391.101	-12926018.737	22295804.696	22295804.940
23460	-16676369.217	-12994573.104	22279063.132	22279063.223
23490	-16764003.312	-13062859.395	22262386.757	22262387.075
23520	-16851274.084	-13130862.588	22245779.930	22245780.087
23550	-16938175.034	-13198577.611	22229243.039	22229243.209
23580	-17024699.363	-13265999.159	22212778.140	22212778.367
23610	-17110819.055	-13333105.412	22196390.062	22196390.167
23640	-17196527.216	-13399890.991	22180080.411	22180080.091
23670	-17281834.250	-13466364.000	22163846.917	22163847.078
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23730	-17451256.754	-13598381.536	22131606.749	22131607.249
23760	-17535406.642	-13663952.874	22115593.830	22115594.223
23790	-17619186.375	-13729235.785	22099650.918	22099651.100
23820	-17702594.948	-13794229.472	22083778.833	22083778.823
23850	-17785631.378	-13858933.184	22067977.565	22067977.687
23880	-17868285.856	-13923339.271	22052248.984	22052249.141
23910	-17950542.451	-13987435.313	22036596.053	22036596.043
23940	-18032407.247	-14051226.063	22021017.716	22021017.705
23970	-18113870.668	-14114704.052	22005515.800	22005516.056
24000	-18194925.887	-14177863.963	21990091.561	21990091.529
24030	-18275571.346	-14240704.580	21974745.113	21974745.292
24060	-18355794.341	-14303216.004	21959479.152	21959479.219
24090	-18435588.139	-14365392.994	21944294.871	21944294.952
24120	-18514949.241	-14427232.818	21929192.900	21929192.851
24150	-18593877.646	-14488735.475	21914173.513	21914173.425
24180	-18672373.690	-14549901.224	21899236.258	21899236.313
24210	-18750449.016	-14610739.138	21884379.130	21884378.831
24240	-18828095.439	-14671242.844	21869603.266	21869603.343
24270	-18905315.162	-14731414.056	21854908.885	21854908.907
24300	-18982113.161	-14791256.654	21840294.686	21840294.887
24330	-19058489.107	-14850770.371	21825760.915	21825761.044
24360	-19134438.230	-14909951.505	21811308.312	21811308.281
24390	-19209966.724	-14968804.872	21796935.605	21796935.732
24420	-19285061.558	-15027320.314	21782645.500	21782645.752

24450	-19359701.859	-15085481.587	21768441.994	21768441.904
24480	-19433883.761	-15143285.653	21754325.665	21754325.603
24510	-19507596.305	-15200723.991	21740298.609	21740298.558
24540	-19580834.147	-15257792.433	21726361.828	21726361.811
24570	-19653612.559	-15314502.872	21712512.709	21712512.577
24600	-19725944.540	-15370865.442	21698748.189	21698748.288
24630	-19797818.914	-15426871.436	21685071.025	21685070.880
24660	-19869243.872	-15482527.235	21671479.064	21671479.319
24690	-19940221.638	-15537834.577	21657972.576	21657972.553
24720	-20010738.735	-15592782.959	21644553.607	21644553.736
24750	-20080784.306	-15647363.923	21631224.465	21631224.370
24780	-20150364.829	-15701582.513	21617983.817	21617983.750
24810	-20219468.124	-15755429.245	21604833.887	21604833.863
24840	-20288078.272	-15808891.701	21591777.882	21591777.814
24870	-20356201.347	-15861974.619	21578814.421	21578814.296
24900	-20423851.373	-15914688.934	21565940.947	21565941.066
24930	-20491027.547	-15967034.010	21553157.825	21553157.787
24960	-20557731.278	-16019010.950	21540464.414	21540464.419
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25020	-20689740.782	-16121875.515	21515344.046	21515344.165
25050	-20755003.188	-16172729.346	21502924.879	21502925.067
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25110	-20884010.265	-16273254.357	21478375.743	21478375.688
25140	-20947753.614	-16322924.508	21466245.725	21466245.826
25170	-21011008.001	-16372213.652	21454208.723	21454208.946
25200	-21073787.288	-16421132.591	21442262.320	21442262.408
25230	-21136080.849	-16469673.042	21430408.378	21430408.298
25260	-21197869.530	-16517820.079	21418650.367	21418650.187
25290	-21259149.202	-16565570.485	21406989.330	21406989.374
25320	-21319895.414	-16612905.209	21395429.587	21395429.616
25350	-21380107.882	-16659824.027	21383971.551	21383971.561
25380	-21439803.524	-16706340.120	21372611.809	21372612.009
25410	-21498993.490	-16752462.179	21361348.423	21361348.587
25440	-21557680.118	-16798192.026	21350180.654	21350180.682
25470	-21615870.913	-16843535.511	21339107.312	21339107.324
25500	-21673552.224	-16888481.992	21328131.017	21328131.001
25530	-21730708.779	-16933019.572	21317254.426	21317254.487
25560	-21787329.001	-16977139.228	21306479.841	21306479.915
25590	-21843408.097	-17020837.228	21295808.504	21295808.660
25620	-21898947.666	-17064114.820	21285239.599	21285239.759
25650	-21953955.086	-17106977.750	21274772.058	21274772.141
25680	-22008436.513	-17149430.819	21264404.615	21264404.617
25710	-22062409.040	-17191487.342	21254133.993	21254134.046
25740	-22115873.941	-17233148.313	21243960.113	21243960.147
25770	-22168822.023	-17274406.567	21233884.300	21233884.375
25800	-22221249.257	-17315258.966	21223907.783	21223907.906
25830	-22273144.825	-17355697.079	21214032.424	21214032.387
25860	-22324483.419	-17395701.184	21204262.965	21204263.047

25890	-22375268.562	-17435274.031	21194598.831	21194598.864
25920	-22425498.406	-17474414.181	21185040.528	21185040.373
25950	-22475166.243	-17513116.403	21175588.888	21175589.184
25980	-22524277.979	-17551385.305	21166243.293	21166243.246
26010	-22572845.765	-17589230.344	21157001.248	21157001.229
26040	-22620860.379	-17626644.344	21147864.259	21147864.405
26070	-22668330.987	-17663634.446	21138831.007	21138830.929
26100	-22715257.959	-17700200.934	21129901.086	21129901.178
26130	-22761638.897	-17736341.944	21121075.190	21121075.070
26160	-22807460.615	-17772047.194	21112355.483	21112355.607
26190	-22852724.446	-17807317.727	21103742.182	21103742.178
26220	-22897421.747	-17842146.808	21095236.552	21095236.666
26250	-22941550.828	-17876533.124	21086839.128	21086839.247
26280	-22985102.597	-17910469.585	21078551.498	21078551.735
26310	-23028080.498	-17943958.875	21070373.009	21070373.207
26340	-23070480.054	-17976997.507	21062304.683	21062304.919
26370	-23112309.155	-18009591.631	21054344.848	21054345.154
26400	-23153574.362	-18041746.353	21046492.456	21046492.659
26430	-23194288.399	-18073471.596	21038744.868	21038745.029
26460	-23234452.924	-18104768.646	21031101.834	21031101.757
26490	-23274062.027	-18135632.899	21023564.501	21023564.530
26520	-23313100.096	-18166052.199	21016135.714	21016135.807
26550	-23351556.186	-18196018.009	21008817.757	21008817.951
26580	-23389420.069	-18225522.356	21001612.527	21001612.749
26610	-23426698.242	-18254570.305	20994518.692	20994518.909
26640	-23463396.046	-18283166.018	20987535.346	20987535.451
26670	-23499518.364	-18311313.303	20980661.620	20980661.689
26700	-23535067.802	-18339014.185	20973896.826	20973896.902
26730	-23570044.190	-18366268.534	20967240.987	20967241.082
26760	-23604443.121	-18393072.920	20960695.203	20960695.322
26790	-23638264.626	-18419427.362	20954259.183	20954259.263
26820	-23671504.965	-18445328.946	20947933.672	20947933.762
26850	-23704163.730	-18470777.355	20941718.944	20941719.175
26880	-23736234.895	-18495767.896	20935615.967	20935616.269
26910	-23767709.484	-18520293.571	20929626.661	20929627.024
26940	-23798591.662	-18544357.625	20923749.946	20923750.153
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34050	-15310354.650	-11930163.429	22539020.202	22539024.306
34080	-15220814.379	-11860391.891	22556059.234	22556063.549
34110	-15130993.086	-11790401.385	22573151.764	22573156.214
34140	-15040906.324	-11720204.040	22590294.764	22590299.488
34170	-14950567.594	-11649810.338	22607485.933	22607490.118
34200	-14859965.687	-11579211.569	22624727.002	22624731.228
34230	-14769077.103	-11508389.415	22642022.338	22642026.513
34260	-14677897.427	-11437340.430	22659373.499	22659377.744
34290	-14586418.068	-11366057.924	22676781.477	22676785.910
34320	-14494636.202	-11294539.701	22694246.799	22694251.109
34350	-14402568.854	-11222799.047	22711766.935	22711771.428
34380	-14310235.712	-11150851.268	22729337.581	22729341.804
34410	-14217640.680	-11078699.422	22746957.672	22746962.326
34440	-14124792.117	-11006350.031	22764626.092	22764630.966
34470	-14031695.373	-10933807.266	22782342.297	22782346.979
34500	-13938343.398	-10861065.616	22800106.726	22800111.254

34530	-13844738.798	-10788127.114	22817919.374	22817923.990
34560	-13750886.976	-10714995.996	22835778.684	22835783.394
34590	-13656785.083	-10641670.022	22853685.870	22853690.670
34620	-13562433.184	-10568149.220	22871640.483	22871645.062
34650	-13467835.070	-10494436.578	22889641.817	22889646.920
34680	-13372989.432	-10420531.069	22907690.413	22907695.339
34710	-13277902.630	-10346437.635	22925785.272	22925790.179
34740	-13182588.420	-10272166.993	22943923.092	22943928.283
34770	-13087048.958	-10197720.859	22962103.785	22962108.748
34800	-12991292.943	-10123106.005	22980325.542	22980331.022
34830	-12895324.137	-10048325.319	22998588.412	22998592.914
34860	-12799128.443	-9973367.849	23016893.686	23016898.746
34890	-12702695.014	-9898225.119	23035244.371	23035249.862
34920	-12606025.804	-9822898.682	23053640.012	23053645.394
34950	-12509108.436	-9747378.878	23072083.009	23072088.452
34980	-12411943.035	-9671665.818	23090573.048	23090578.953
35010	-12314550.561	-9595775.805	23109106.162	23109112.266
35040	-12216936.063	-9519712.818	23127682.027	23127687.915
35070	-12119102.582	-9443479.171	23146299.470	23146305.141
35100	-12021061.130	-9367083.487	23164956.290	23164962.239
35130	-11922811.944	-9290525.967	23183652.564	23183658.941
35160	-11824347.172	-9213800.444	23202390.100	23202396.305
35190	-11725672.143	-9136911.101	23221167.762	23221173.871
35220	-11626791.837	-9059861.803	23239984.058	23239990.444
35250	-11527709.393	-8982655.023	23258839.309	23258845.362
35280	-11428423.662	-8905289.799	23277733.225	23277738.995
35310	-11328937.125	-8827768.123	23296664.703	23296670.710
35340	-11229253.307	-8750092.725	23315634.327	23315640.252
35370	-11129365.626	-8672258.458	23334642.684	23334648.855
35400	-11029276.861	-8594267.514	23353688.959	23353695.048
35430	-10928998.660	-8516128.939	23372771.737	23372777.375
35460	-10828529.789	-8437841.802	23391890.046	23391896.723
35490	-10727863.779	-8359401.095	23411046.612	23411052.898
35520	-10627015.112	-8280818.054	23430237.767	23430244.133
35550	-10525981.464	-8202090.866	23449463.985	23449470.522
35580	-10424759.060	-8123216.594	23468725.909	23468732.762
35610	-10323362.309	-8044206.452	23488021.640	23488028.464
35640	-10221801.598	-7965068.556	23507348.313	23507355.114
35670	-10120066.538	-7885794.810	23526707.939	23526715.251
35700	-10018167.660	-7806393.400	23546098.631	23546106.372
35730	-9916112.603	-7726870.312	23565519.413	23565526.780
35760	-9813898.803	-7647223.486	23584970.254	23584977.693
35790	-9711530.421	-7567456.213	23604450.923	23604458.615
35820	-9609023.925	-7487581.310	23623957.261	23623965.194
35850	-9506375.666	-7407595.924	23643490.874	23643498.628
35880	-9403576.549	-7327492.973	23663053.094	23663060.848
35910	-9300617.475	-7247265.386	23682645.638	23682653.646
35940	-9197488.945	-7166905.773	23702270.617	23702278.538

35970	-9094175.962	-7086402.430	23721930.644	23721938.814
36000	-8990682.267	-7005758.274	23741625.041	23741633.166
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36120	-8575120.820	-6681945.396	23820704.559	23820713.013
36150	-8470860.579	-6600703.936	23840545.111	23840552.962
36180	-8366447.718	-6519343.565	23860414.266	23860423.253
36210	-8261888.135	-6437868.880	23880311.783	23880320.258
36240	-8157194.800	-6356289.953	23900234.262	23900242.822
36270	-8052376.293	-6274613.449	23920180.761	23920189.263
36300	-7947449.296	-6192852.438	23940147.826	23940156.740
36330	-7842421.014	-6111012.521	23960134.420	23960143.234
36360	-7737289.954	-6029092.523	23980140.306	23980148.781
36390	-7632045.779	-5947084.368	24000167.949	24000176.536
36420	-7526685.516	-5864985.802	24020217.597	24020227.079
36450	-7421202.327	-5782791.500	24040290.653	24040299.993
36480	-7315591.489	-5700497.727	24060387.729	24060396.819
36510	-7209850.755	-5618102.685	24080510.002	24080518.456
36540	-7103978.528	-5535605.198	24100657.181	24100666.640
36570	-6997975.059	-5453005.494	24120829.311	24120839.035
36600	-6891842.588	-5370305.293	24141025.816	24141035.406
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36690	-6572799.560	-5121701.619	24201738.661	24201748.716
36720	-6466265.648	-5038688.685	24222011.841	24222021.866
36750	-6359644.458	-4955607.741	24242301.706	24242311.507
36780	-6252919.263	-4872445.742	24262611.193	24262621.112
36810	-6146080.302	-4789195.065	24282942.350	24282952.496
36840	-6039138.271	-4705864.130	24303293.276	24303303.908