DEPT .F	:DEPTH (BOREHOLE) {F10.1}
GR .GAPI	:Gamma Ray {F13.4}
TNPH .V/V	:Thermal Neutron Porosity {F13.4}
DPHI .V/V	:Density Porosity {F13.4}

Top Open Hole	Bottom	Current (Additional perfs through liner to be added
8800	9843	later after high pressure zone depleted.)

Intervals	Top	Bottom
Lyons	8286	8514
L. Satanka	8514	8636
Wolfcamp	8636	8720
Amazon	8720	8788
Council Grove	8788	8990
Admire	8990	9020
Virgil	9020	9098
Fountain	9098	9186
Missouri	9186	9530
Des Moines	9530	9792
Atoka	9840	9836 PBTD

# DEPT	GR	TNPH	DPHI	AVE N/D	AVEx0.5
8286	6.7531	0.0081	0.1746	0.11345	0.056725
8286.5	7.3436	0.0098	0.1852	0.1435	0.07175
8287	7.0425	0.0151	0.1928	0.2138	0.1069
8287.5	8.588	0.027	0.1999	0.23715	0.118575
8288	12.9466	0.0654	0.2216	0.1955	0.09775
8288.5	20.7649	0.1492	0.2784	0.13975	0.069875
8289	26.7569	0.1483	0.326	0.09735	0.048675
8289.5	26.8712	0.0785	0.3125	0.09125	0.045625
8290	20.5562	0.0364	0.2431	0.1031	0.05155
8290.5	12.7289	0.018	0.1767	0.11605	0.058025
8291	8.9899	0.0161	0.1664	0.11905	0.059525
8291.5	9.2851	0.0251	0.1811	0.116	0.058
8292	10.5407	0.0348	0.1973	0.1125	0.05625
8292.5	11.9619	0.0426	0.1955	0.1161	0.05805
8293	14.5954	0.047	0.185	0.13925	0.069625
8293.5	19.0841	0.0514	0.1736	0.1608	0.0804
8294	27.4156	0.0591	0.1731	0.17275	0.086375
8294.5	36.2015	0.0669	0.2116	0.1667	0.08335
8295	41.7379	0.0675	0.2541	0.159	0.0795
8295.5	39.1164	0.0571	0.2884	0.1436	0.0718
8296	31.2857	0.0433	0.2901	0.13485	0.067425
8296.5	23.9662	0.0344	0.2836	0.13425	0.067125
8297	19.4809	0.0295	0.2577	0.14245	0.071225
8297.5	17.4807	0.0272	0.2425	0.15005	0.075025
8298	16.7717	0.0313	0.2372	0.15155	0.075775
8298.5	19.6919	0.045	0.2399	0.1399	0.06995

Volume = (π x (Radius^2)x(Sum of Intervals) = Vol in cubic ft.

Volume in Cubic ft/ 5.6146 cu ft/bbl = Volume in bbl

Shales w/GR $\geq$ 90 API tossed out
AVE N/D $\leq$ 0 set to 0

Radius (ft)	1320
Sum of Intervals	46.3003

Calculated Volume (bbl)	45,140,121

B. Koehler 8/26/2015

NGL Water Solutions DJ Inc.
NGL C12
NESE 27-5N-63W
Weld County, CO.
API: 05-123-41201

8299	24.7553	0.0597	0.2404	0.14205	0.071025
8299.5	27.6432	0.0609	0.2422	0.14745	0.073725
8300	24.9729	0.0511	0.2287	0.1348	0.0674
8300.5	20.6771	0.043	0.2411	0.1051	0.05255
8301	19.6004	0.0385	0.2564	0.0903	0.04515
8301.5	20.1829	0.035	0.2346	0.11645	0.058225
8302	18.989	0.0337	0.1765	0.14625	0.073125
8302.5	16.4092	0.0402	0.1404	0.14655	0.073275
8303	16.3713	0.054	0.1789	0.09735	0.048675
8303.5	18.2605	0.0623	0.2302	0.05465	0.027325
8304	20.4305	0.0595	0.2336	0.05225	0.026125
8304.5	21.9953	0.0536	0.1411	0.0619	0.03095
8305	22.6148	0.0512	0.0581	0.073	0.0365
8305.5	22.4657	0.0529	0.0516	0.0798	0.0399
8306	21.181	0.0553	0.0685	0.082	0.041
8306.5	21.3777	0.058	0.088	0.08425	0.042125
8307	23.1086	0.0608	0.0988	0.0893	0.04465
8307.5	23.673	0.063	0.101	0.10275	0.051375
8308	23.1338	0.0681	0.1004	0.12965	0.064825
8308.5	22.7285	0.0751	0.1035	0.1596	0.0798
8309	23.561	0.0826	0.1229	0.1573	0.07865
8309.5	23.3662	0.093	0.1663	0.12275	0.061375
8310	23.4104	0.1032	0.216	0.0918	0.0459
8310.5	23.0775	0.0972	0.2174	0.07715	0.038575
8311	22.1524	0.0764	0.1691	0.07685	0.038425
8311.5	21.0915	0.0563	0.1273	0.07385	0.036925
8312	21.0303	0.0431	0.1112	0.0626	0.0313
8312.5	22.2408	0.035	0.1187	0.04975	0.024875
8313	22.9124	0.0296	0.1181	0.04165	0.020825
8313.5	22.9316	0.026	0.0992	0.0372	0.0186
8314	23.0482	0.0239	0.0756	0.0321	0.01605
8314.5	22.0116	0.0216	0.0617	0.026	0.013
8315	20.6387	0.0181	0.0563	0.0202	0.0101
8315.5	19.4061	0.0135	0.0507	0.01805	0.009025

8316	19.6958	0.0098	0.0422	0.01545	0.007725
8316.5	21.668	0.0082	0.0322	0.0169	0.00845
8317	22.2866	0.0092	0.0269	0.03315	0.016575
8317.5	20.2562	0.0122	0.0187	0.06145	0.030725
8318	19.5669	0.0183	0.0155	0.07965	0.039825
8318.5	21.3979	0.0277	0.0386	0.08085	0.040425
8319	25.0546	0.0383	0.0846	0.0773	0.03865
8319.5	25.3035	0.0454	0.1139	0.07825	0.039125
8320	23.3547	0.0468	0.1149	0.079	0.0395
8320.5	22.5717	0.045	0.1096	0.0797	0.03985
8321	21.2186	0.044	0.1125	0.07985	0.039925
8321.5	20.7532	0.0444	0.1136	0.08085	0.040425
8322	20.5398	0.0451	0.1143	0.08155	0.040775
8322.5	20.9782	0.0458	0.1139	0.0807	0.04035
8323	22.4912	0.0468	0.1149	0.0786	0.0393
8323.5	23.8461	0.0492	0.1139	0.0798	0.0399
8324	27.439	0.0514	0.11	0.08865	0.044325
8324.5	30.0309	0.0532	0.104	0.0973	0.04865
8325	29.7788	0.0545	0.1051	0.1003	0.05015
8325.5	29.2631	0.0575	0.1198	0.09855	0.049275
8326	28.6539	0.0609	0.1337	0.0799	0.03995
8326.5	28.5807	0.0576	0.143	0.0467	0.02335
8327	25.0671	0.0448	0.1523	0.0151	0.00755
8327.5	19.7291	0.0289	0.1309	0.00185	0.000925
8328	14.8734	0.0174	0.076	0.0022	0.0011
8328.5	12.7676	0.0123	0.0179	0.0064	0.0032
8329	13.0914	0.0111	-0.0074	0.01475	0.007375
8329.5	14.1129	0.0115	-0.0071	0.0313	0.01565
8330	15.4438	0.0139	-0.0011	0.0561	0.02805
8330.5	16.9859	0.0197	0.0098	0.072	0.036
8331	18.0887	0.0278	0.0348	0.06545	0.032725
8331.5	17.6829	0.034	0.0782	0.0384	0.0192
8332	16.2913	0.034	0.11	0.0175	0.00875
8332.5	14.5539	0.0254	0.1055	0.0146	0.0073

8333	13.8271	0.0141	0.0627	0.01705	0.008525
8333.5	13.5288	0.0069	0.0281	0.01505	0.007525
8334	13.8727	0.0051	0.0241	0.0121	0.00605
8334.5	13.883	0.0059	0.0282	0.0171	0.00855
8335	13.3645	0.0065	0.0236	0.0283	0.01415
8335.5	13.3045	0.0075	0.0167	0.0355	0.01775
8336	13.1933	0.0098	0.0244	0.0381	0.01905
8336.5	14.36	0.0133	0.0433	0.03395	0.016975
8337	15.5936	0.0158	0.0552	0.03015	0.015075
8337.5	16.2225	0.0174	0.0588	0.0317	0.01585
8338	16.3208	0.0183	0.0496	0.0417	0.02085
8338.5	16.4463	0.0194	0.0409	0.0569	0.02845
8339	19.6633	0.0231	0.0403	0.0606	0.0303
8339.5	26.3373	0.0316	0.0518	0.05385	0.026925
8340	32.0591	0.0407	0.0731	0.04705	0.023525
8340.5	33.3179	0.0426	0.0786	0.0478	0.0239
8341	31.319	0.0363	0.0714	0.04885	0.024425
8341.5	29.8649	0.0298	0.0643	0.04355	0.021775
8342	30.3502	0.0261	0.0695	0.03185	0.015925
8342.5	30.1471	0.0229	0.0748	0.02155	0.010775
8343	28.3757	0.0186	0.0685	0.0221	0.01105
8343.5	25.4635	0.0149	0.0488	0.03215	0.016075
8344	23.4385	0.0146	0.0285	0.04545	0.022725
8344.5	23.8887	0.0197	0.0245	0.0549	0.02745
8345	27.4492	0.0286	0.0357	0.0603	0.03015
8345.5	30.8868	0.037	0.0539	0.065	0.0325
8346	32.771	0.0423	0.0675	0.07325	0.036625
8346.5	32.0832	0.0452	0.0754	0.07875	0.039375
8347	31.0921	0.0474	0.0826	0.07325	0.036625
8347.5	30.2315	0.0487	0.0978	0.06925	0.034625
8348	31.4212	0.0482	0.1093	0.07575	0.037875
8348.5	34.964	0.0484	0.0981	0.0907	0.04535
8349	41.8386	0.0535	0.085	0.09865	0.049325
8349.5	48.5052	0.0648	0.0867	0.09735	0.048675

8350	50.323	0.0771	0.1043	0.0971	0.04855
8350.5	46.3103	0.0825	0.1148	0.0999	0.04995
8351	38.5778	0.0815	0.1132	0.1044	0.0522
8351.5	31.9276	0.0784	0.1158	0.10945	0.054725
8352	28.3345	0.0763	0.1235	0.11325	0.056625
8352.5	28.5398	0.0767	0.1321	0.1125	0.05625
8353	29.6936	0.0775	0.1414	0.10425	0.052125
8353.5	29.8668	0.0779	0.1486	0.095	0.0475
8354	29.3399	0.0747	0.1503	0.08645	0.043225
8354.5	27.8625	0.0662	0.1423	0.0767	0.03835
8355	25.5524	0.0557	0.1343	0.0704	0.0352
8355.5	22.7388	0.0465	0.1264	0.07195	0.035975
8356	21.3493	0.041	0.1124	0.0813	0.04065
8356.5	22.9046	0.0403	0.1005	0.08965	0.044825
8357	27.2666	0.0445	0.0994	0.09495	0.047475
8357.5	34.1143	0.0525	0.1101	0.0985	0.04925
8358	40.4171	0.0604	0.1189	0.09955	0.049775
8358.5	43.6161	0.0656	0.1243	0.10105	0.050525
8359	42.316	0.0699	0.1271	0.10285	0.051425
8359.5	40.122	0.0728	0.1263	0.1026	0.0513
8360	39.4724	0.0741	0.128	0.09785	0.048925
8360.5	40.4944	0.0725	0.1332	0.08985	0.044925
8361	43.4371	0.0685	0.1367	0.08055	0.040275
8361.5	44.859	0.0618	0.1339	0.07145	0.035725
8362	44.7582	0.0543	0.1254	0.06445	0.032225
8362.5	43.5131	0.0495	0.1116	0.06015	0.030075
8363	40.9752	0.0482	0.0947	0.05745	0.028725
8363.5	39.0601	0.0484	0.0805	0.0604	0.0302
8364	37.204	0.0466	0.0737	0.07055	0.035275
8364.5	36.6322	0.0449	0.07	0.0783	0.03915
8365	36.3842	0.0452	0.0756	0.0778	0.0389
8365.5	35.7111	0.0471	0.094	0.0705	0.03525
8366	35.0517	0.0483	0.1083	0.06155	0.030775
8366.5	35.3607	0.0474	0.1082	0.0539	0.02695

8367	35.3849	0.0447	0.0963	0.04985	0.024925
8367.5	35.2425	0.0419	0.0812	0.0509	0.02545
8368	35.5956	0.0409	0.0669	0.06285	0.031425
8368.5	36.8351	0.0419	0.0578	0.087	0.0435
8369	39.0057	0.0461	0.0557	0.103	0.0515
8369.5	40.9771	0.0555	0.0702	0.1071	0.05355
8370	42.1345	0.0671	0.1069	0.1102	0.0551
8370.5	39.7643	0.0739	0.1321	0.11905	0.059525
8371	35.6105	0.0748	0.1394	0.12445	0.062225
8371.5	33.7233	0.0777	0.1427	0.12475	0.062375
8372	36.5894	0.0866	0.1515	0.12295	0.061475
8372.5	41.6604	0.0939	0.155	0.11915	0.059575
8373	43.2421	0.0948	0.1547	0.1079	0.05395
8373.5	42.5513	0.0916	0.1543	0.0913	0.04565
8374	40.1068	0.0832	0.1551	0.07615	0.038075
8374.5	36.4173	0.0702	0.1456	0.06675	0.033375
8375	30.365	0.0554	0.1272	0.0647	0.03235
8375.5	25.0403	0.0433	0.109	0.0619	0.03095
8376	22.4633	0.0365	0.097	0.0526	0.0263
8376.5	22.9836	0.0339	0.0955	0.0341	0.01705
8377	24.6444	0.0325	0.0913	0.01555	0.007775
8377.5	25.4592	0.029	0.0762	0.0045	0.00225
8378	24.6299	0.0242	0.044	0.0042	0.0021
8378.5	22.9795	0.0193	0.0118	0.00945	0.004725
8379	21.5859	0.0144	-0.0054	0.0148	0.0074
8379.5	21.5583	0.0102	-0.0018	0.02335	0.011675
8380	23.4159	0.0075	0.0114	0.0393	0.01965
8380.5	31.5288	0.0101	0.0195	0.0546	0.0273
8381	52.3979	0.0218	0.0249	0.0586	0.0293
8381.5	76.3088	0.0407	0.0379	0.05665	0.028325
8382	90.634	0.0544	0.0548	0	0
8382.5	89.0751	0.0552	0.062	0.0542	0.0271
8383	81.452	0.052	0.0613	0.0566	0.0283
8383.5	77.8901	0.0519	0.0565	0.055	0.0275

8384	76.4567	0.0534	0.055	0.04795	0.023975
8384.5	73.6166	0.0522	0.061	0.04385	0.021925
8385	68.5535	0.0478	0.0622	0.04545	0.022725
8385.5	66.2665	0.045	0.0509	0.0487	0.02435
8386	71.3719	0.0466	0.0411	0.05015	0.025075
8386.5	77.4726	0.0519	0.039	0.05275	0.026375
8387	80.0341	0.0562	0.0412	0.05575	0.027875
8387.5	76.0064	0.0575	0.0428	0.05525	0.027625
8388	70.253	0.0566	0.0489	0.05965	0.029825
8388.5	67.5457	0.0546	0.0569	0.0651	0.03255
8389	67.6725	0.0527	0.0578	0.06955	0.034775
8389.5	71.3565	0.0539	0.0654	0.0677	0.03385
8390	72.7561	0.0578	0.0724	0.06675	0.033375
8390.5	69.7188	0.0609	0.0782	0.06845	0.034225
8391	65.4078	0.0609	0.0745	0.07125	0.035625
8391.5	62.9071	0.0599	0.0736	0.07235	0.036175
8392	61.39	0.0598	0.0771	0.0718	0.0359
8392.5	61.7441	0.0597	0.0828	0.0702	0.0351
8393	60.4556	0.0588	0.0859	0.0699	0.03495
8393.5	62.0162	0.0587	0.0849	0.07095	0.035475
8394	63.1088	0.0588	0.0816	0.07145	0.035725
8394.5	63.5087	0.0587	0.0811	0.07175	0.035875
8395	62.415	0.0583	0.0836	0.07095	0.035475
8395.5	62.0901	0.0583	0.0846	0.06685	0.033425
8396	63.7228	0.0589	0.0846	0.0632	0.0316
8396.5	65.3569	0.0595	0.0824	0.06225	0.031125
8397	64.7949	0.0597	0.074	0.0639	0.03195
8397.5	63.1651	0.0591	0.0673	0.06435	0.032175
8398	60.5917	0.0573	0.0672	0.0613	0.03065
8398.5	59.4826	0.056	0.0718	0.0586	0.0293
8399	60.1779	0.0558	0.0729	0.05385	0.026925
8399.5	61.3697	0.0549	0.0677	0.0512	0.0256
8400	60.6907	0.0513	0.0659	0.04735	0.023675
8400.5	62.0693	0.0462	0.0615	0.04435	0.022175

8401	70.9529	0.0441	0.0583	0.042	0.021
8401.5	81.7665	0.0477	0.047	0.0397	0.01985
8402	88.101	0.0522	0.0365	0.03885	0.019425
8402.5	88.1287	0.0526	0.0314	0.0404	0.0202
8403	88.2742	0.0507	0.0287	0.04105	0.020525
8403.5	89.3263	0.0512	0.0265	0.04025	0.020125
8404	87.8566	0.0537	0.0271	0.0412	0.0206
8404.5	82.9203	0.0543	0.0278	0.04115	0.020575
8405	80.079	0.0527	0.0278	0.0396	0.0198
8405.5	76.6086	0.0501	0.0323	0.0335	0.01675
8406	68.8037	0.0434	0.0389	0.03365	0.016825
8406.5	54.9522	0.0346	0.0446	0.0413	0.02065
8407	48.6631	0.0279	0.0391	0.04795	0.023975
8407.5	53.1028	0.0279	0.0394	0.04745	0.023725
8408	66.7003	0.0351	0.0475	0.04355	0.021775
8408.5	79.6572	0.0443	0.0516	0.0428	0.0214
8409	87.7096	0.0519	0.043	0.0448	0.0224
8409.5	91.9346	0.0582	0.0289	0	0
8410	89.4768	0.0624	0.0232	0.0539	0.02695
8410.5	80.0424	0.0608	0.0288	0.05365	0.026825
8411	65.6879	0.0536	0.0447	0.05	0.025
8411.5	55.9271	0.0467	0.0611	0.04095	0.020475
8412	53.2825	0.0413	0.066	0.0306	0.0153
8412.5	50.8409	0.0336	0.0664	0.02345	0.011725
8413	42.9248	0.0248	0.0571	0.0205	0.01025
8413.5	34.0382	0.0182	0.043	0.0203	0.01015
8414	29.3911	0.016	0.0309	0.0206	0.0103
8414.5	30.87	0.0163	0.0247	0.02295	0.011475
8415	34.4923	0.0173	0.0233	0.0317	0.01585
8415.5	36.4999	0.0194	0.0218	0.0371	0.01855
8416	37.2804	0.0235	0.0224	0.03305	0.016525
8416.5	37.017	0.0271	0.0363	0.0212	0.0106
8417	36.3414	0.0256	0.0486	0.0122	0.0061
8417.5	33.7877	0.0197	0.0464	0.0068	0.0034

8418	31.1128	0.014	0.0284	0.004	0.002
8418.5	29.0943	0.0109	0.0135	0.00415	0.002075
8419	27.6653	0.0094	0.0042	0.0106	0.0053
8419.5	27.5511	0.0082	-0.0002	0.01585	0.007925
8420	27.8892	0.0075	0.0008	0.01845	0.009225
8420.5	28.8842	0.007	0.0142	0.0205	0.01025
8421	27.8671	0.0066	0.0251	0.02095	0.010475
8421.5	25.6409	0.0067	0.0302	0.0178	0.0089
8422	23.2907	0.0069	0.0341	0.01095	0.005475
8422.5	21.9428	0.0063	0.0356	0.0074	0.0037
8423	21.2933	0.0053	0.0303	0.0069	0.00345
8423.5	21.6344	0.0048	0.0171	0.00785	0.003925
8424	23.8183	0.0049	0.0099	0.0112	0.0056
8424.5	27.8163	0.0059	0.0079	0.0178	0.0089
8425	31.03	0.007	0.0087	0.01655	0.008275
8425.5	30.9086	0.0078	0.0146	0.0085	0.00425
8426	30.0297	0.0069	0.0287	0.00125	0.000625
8426.5	29.6105	0.0054	0.0277	0.00155	0.000775
8427	29.6754	0.0051	0.0119	0.01315	0.006575
8427.5	29.0835	0.0063	-0.0038	0.03485	0.017425
8428	29.5883	0.0104	-0.0073	0.0615	0.03075
8428.5	43.5678	0.0246	0.0017	0.0793	0.03965
8429	73.3212	0.0628	0.0069	0.0879	0.04395
8429.5	104.6505	0.1056	0.0174	0	0
8430	112.7113	0.112	0.0466	0	0
8430.5	94.187	0.0901	0.0857	0	0
8431	69.3217	0.0728	0.1068	0.07835	0.039175
8431.5	54.3776	0.0671	0.1026	0.0835	0.04175
8432	49.8962	0.0664	0.0937	0.092	0.046
8432.5	47.0785	0.0665	0.0902	0.0993	0.04965
8433	45.3929	0.0673	0.0997	0.1041	0.05205
8433.5	46.4336	0.0711	0.1129	0.10585	0.052925
8434	48.3448	0.0736	0.125	0.1053	0.05265
8434.5	49.6174	0.0748	0.1334	0.1063	0.05315

8435	49.334	0.075	0.1367	0.1084	0.0542
8435.5	48.2091	0.0761	0.1345	0.1082	0.0541
8436	47.3159	0.0766	0.136	0.10105	0.050525
8436.5	45.6114	0.0762	0.1406	0.0952	0.0476
8437	46.3661	0.0752	0.1412	0.0898	0.0449
8437.5	47.9231	0.0726	0.1295	0.08235	0.041175
8438	50.712	0.0665	0.1239	0.0756	0.0378
8438.5	56.1503	0.0607	0.1189	0.0733	0.03665
8439	69.4637	0.0645	0.1002	0.07085	0.035425
8439.5	85.1961	0.0736	0.0776	0.0638	0.0319
8440	91.8722	0.0755	0.0711	0	0
8440.5	82.2868	0.0655	0.0762	0.06215	0.031075
8441	65.0625	0.054	0.0736	0.06355	0.031775
8441.5	53.2553	0.0491	0.0741	0.0653	0.03265
8442	51.0442	0.0488	0.0755	0.06765	0.033825
8442.5	52.3669	0.0507	0.0764	0.0617	0.03085
8443	56.5194	0.0514	0.0792	0.051	0.0255
8443.5	67.8588	0.0527	0.0826	0.04365	0.021825
8444	80.2176	0.0541	0.0693	0.0365	0.01825
8444.5	87.2418	0.0507	0.0513	0.0298	0.0149
8445	85.1931	0.0429	0.0444	0.0298	0.0149
8445.5	81.1187	0.0342	0.0388	0.0409	0.02045
8446	82.5146	0.0293	0.0303	0.0492	0.0246
8446.5	92.7591	0.0331	0.0265	0	0
8447	112.4001	0.0497	0.0321	0	0
8447.5	124.2883	0.0713	0.0271	0	0
8448	118.1183	0.076	0.0146	0	0
8448.5	102.05	0.0642	0.0168	0	0
8449	89.3103	0.0528	0.0354	0.04565	0.022825
8449.5	85.0484	0.0477	0.0556	0.0304	0.0152
8450	81.6026	0.0449	0.0625	0.01795	0.008975
8450.5	75.3062	0.0401	0.0512	0.0158	0.0079
8451	67.6132	0.0356	0.0252	0.01825	0.009125
8451.5	68.4543	0.0354	0.0005	0.02515	0.012575

8452	81.7698	0.0433	-0.0117	0.03365	0.016825
8452.5	100.633	0.0601	-0.0236	0	0
8453	119.0785	0.0826	-0.0323	0	0
8453.5	134.1294	0.1028	-0.0355	0	0
8454	144.7935	0.1102	-0.0266	0	0
8454.5	144.0056	0.1099	-0.0238	0	0
8455	130.6866	0.1064	-0.0258	0	0
8455.5	119.7119	0.1017	-0.0245	0	0
8456	114.3236	0.0948	-0.0275	0	0
8456.5	114.1179	0.0878	-0.0336	0	0
8457	110.3913	0.0821	-0.0391	0	0
8457.5	109.6304	0.0832	-0.037	0	0
8458	114.3988	0.0894	-0.0278	0	0
8458.5	120.6563	0.0961	-0.0299	0	0
8459	120.1931	0.095	-0.037	0	0
8459.5	111.4084	0.0851	-0.0364	0	0
8460	100.4694	0.0655	-0.0327	0	0
8460.5	86.825	0.0439	-0.0271	0.0217	0.01085
8461	74.9327	0.0308	-0.019	0.025	0.0125
8461.5	65.5687	0.0286	-0.0029	0.02715	0.013575
8462	64.853	0.034	0.0094	0.0284	0.0142
8462.5	69.6017	0.0398	0.0102	0.0266	0.0133
8463	80.0317	0.0443	0.01	0.02125	0.010625
8463.5	87.7637	0.0488	0.008	0.0161	0.00805
8464	87.4457	0.0468	0.0064	0.0096	0.0048
8464.5	82.0725	0.038	0.0045	0.004	0.002
8465	69.6929	0.0259	0.0063	-0.00145	-0.00073
8465.5	56.3189	0.0153	0.0039	-0.00115	-0.00058
8466	43.1868	0.0083	-0.0003	0.00445	0.002225
8466.5	38.4689	0.0058	-0.0087	0	0
8467	38.2335	0.0071	-0.0094	0	0
8467.5	39.6859	0.0103	-0.0014	0.02775	0.013875
8468	46.2499	0.0144	0.0109	0.03985	0.019925
8468.5	61.2861	0.0223	0.0181	0.04535	0.022675

8469	80.9411	0.0359	0.0196	0.0488	0.0244
8469.5	94.7826	0.0512	0.0285	0	0
8470	100.6993	0.0599	0.0308	0	0
8470.5	101.7332	0.0643	0.0333	0	0
8471	108.6577	0.0668	0.0255	0	0
8471.5	114.3286	0.0606	0.0185	0	0
8472	105.7799	0.0501	0.0143	0	0
8472.5	89.1758	0.045	0.0164	0.0461	0.02305
8473	79.7032	0.0503	0.0206	0.0414	0.0207
8473.5	85.673	0.0615	0.0242	0.0385	0.01925
8474	91.9884	0.0627	0.0295	0	0
8474.5	90.8656	0.051	0.0318	0	0
8475	80.3532	0.0396	0.0374	0.0468	0.0234
8475.5	67.9454	0.0354	0.0368	0.0482	0.0241
8476	58.2085	0.0372	0.0464	0.04225	0.021125
8476.5	53.7529	0.0395	0.0541	0.0364	0.0182
8477	52.7242	0.0386	0.0578	0.0321	0.01605
8477.5	56.0632	0.0388	0.0457	0.02925	0.014625
8478	64.2541	0.0386	0.0342	0.0271	0.01355
8478.5	67.7145	0.0323	0.0319	0.0266	0.0133
8479	61.4774	0.0225	0.036	0.02525	0.012625
8479.5	50.0265	0.0144	0.0398	0.02035	0.010175
8480	41.8527	0.0107	0.0425	0.01945	0.009725
8480.5	40.5765	0.0098	0.0407	0.024	0.012
8481	41.8889	0.0101	0.0306	0.0324	0.0162
8481.5	47.2284	0.0144	0.0245	0.03505	0.017525
8482	56.6934	0.0241	0.0239	0.03435	0.017175
8482.5	65.858	0.0338	0.031	0.0307	0.01535
8483	69.1331	0.0347	0.0354	0.03485	0.017425
8483.5	62.9569	0.0282	0.0405	0.04365	0.021825
8484	58.9725	0.025	0.0364	0.0475	0.02375
8484.5	64.3075	0.0311	0.0386	0.04295	0.021475
8485	70.7437	0.0413	0.046	0.03975	0.019875
8485.5	72.6102	0.0455	0.0495	0.03815	0.019075

8486	68.1924	0.0444	0.0415	0.03525	0.017625
8486.5	67.5736	0.0435	0.036	0.03485	0.017425
8487	71.2247	0.0455	0.0308	0.0343	0.01715
8487.5	78.2477	0.0492	0.0213	0.03325	0.016625
8488	86.7447	0.0537	0.016	0.0273	0.01365
8488.5	93.2282	0.0582	0.0104	0	0
8489	95.4083	0.059	0.0075	0	0
8489.5	88.8704	0.0503	0.0043	0.0115	0.00575
8490	74.462	0.0369	0.0013	0.0231	0.01155
8490.5	58.9478	0.0275	-0.0044	0.04	0.02
8491	60.767	0.03	-0.007	0.05275	0.026375
8491.5	81.5673	0.0492	-0.003	0.0629	0.03145
8492	108.5036	0.0845	-0.0045	0	0
8492.5	129.3362	0.1231	-0.0176	0	0
8493	137.5854	0.1496	-0.0238	0	0
8493.5	138.6159	0.129	-0.0303	0	0
8494	124.1188	0.0828	-0.0298	0	0
8494.5	102.3758	0.0521	-0.0131	0	0
8495	85.3848	0.038	0.0037	0.03265	0.016325
8495.5	78.7214	0.0368	0.0167	0.02905	0.014525
8496	78.9738	0.0411	0.0225	0.02945	0.014725
8496.5	79.1132	0.0442	0.0211	0.02965	0.014825
8497	83.8437	0.0477	0.0104	0.02525	0.012625
8497.5	92.9252	0.0535	0.0054	0	0
8498	95.7916	0.0497	0.0096	0	0
8498.5	85.094	0.0357	0.0148	0.01715	0.008575
8499	64.8324	0.0221	0.0151	0.01795	0.008975
8499.5	47.8666	0.016	0.0133	0.0122	0.0061
8500	41.383	0.0155	0.0188	0.0051	0.00255
8500.5	41.1226	0.014	0.0219	-0.0033	-0.00165
8501	42.4996	0.0104	0.014	-0.0081	-0.00405
8501.5	41.8251	0.0068	0.0034	-0.0136	-0.0068
8502	40.8537	0.0041	-0.0107	0	0
8502.5	38.8639	0.0027	-0.0189	0	0

8503	37.1954	0.0036	-0.0308	0	0
8503.5	41.1986	0.0083	-0.0326	0	0
8504	53.8838	0.0169	-0.0256	0	0
8504.5	75.5569	0.034	-0.0224	0.0489	0.02445
8505	94.193	0.0596	-0.0295	0	0
8505.5	108.49	0.0997	-0.0386	0	0
8506	117.6375	0.1278	-0.03	0	0
8506.5	122.8745	0.129	-0.0173	0	0
8507	119.9632	0.124	-0.0089	0	0
8507.5	110.0267	0.1181	-0.0094	0	0
8508	102.4995	0.1118	-0.009	0	0
8508.5	100.5903	0.1085	-0.0045	0	0
8509	101.7146	0.0937	-0.0036	0	0
8509.5	95.4308	0.0677	-0.0111	0	0
8510	78.2528	0.0425	-0.0146	-0.01055	-0.00528
8510.5	55.9999	0.0223	-0.0196	-0.0076	-0.0038
8511	38.5806	0.0094	-0.0226	0	0
8511.5	31.5266	0.0038	-0.0249	0	0
8512	33.9783	0.007	-0.0222	0	0
8512.5	42.3999	0.0179	-0.0194	0	0
8513	54.6129	0.0379	-0.0249	0.02925	0.014625
8513.5	67.5444	0.058	-0.0272	0.03085	0.015425
8514	80.0502	0.0758	-0.0329	0.0325	0.01625
8514.5	90.202	0.0908	-0.0323	0	0
8515	93.9655	0.0949	-0.0332	0	0
8515.5	92.4065	0.0899	-0.0249	0	0
8516	87.7478	0.0859	-0.0167	0.0539	0.02695
8516.5	85.4256	0.0884	-0.007	0.0573	0.02865
8517	90.1189	0.1008	-0.0043	0	0
8517.5	101.8864	0.1132	-0.0054	0	0
8518	110.9972	0.1177	-0.0031	0	0
8518.5	111.6587	0.1222	0.0097	0	0
8519	105.7383	0.1218	0.0194	0	0
8519.5	101.131	0.1159	0.0097	0	0

8520	96.8679	0.1077	-0.0076	0	0
8520.5	93.908	0.1052	-0.0163	0	0
8521	96.7456	0.1109	-0.0084	0	0
8521.5	101.2317	0.1166	-0.0044	0	0
8522	101.4386	0.117	-0.0014	0	0
8522.5	96.7945	0.1182	0.0021	0	0
8523	96.3116	0.1303	-0.0041	0	0
8523.5	100.8991	0.1508	-0.0165	0	0
8524	104.0769	0.1628	-0.0361	0	0
8524.5	103.4698	0.1608	-0.0337	0	0
8525	103.0242	0.1568	-0.0151	0	0
8525.5	105.3152	0.1546	-0.0015	0	0
8526	104.1226	0.1446	-0.007	0	0
8526.5	96.7154	0.1281	-0.0271	0	0
8527	88.0944	0.1214	-0.0332	0.08125	0.040625
8527.5	85.8346	0.1395	-0.0267	0.08085	0.040425
8528	93.4645	0.1653	-0.0163	0	0
8528.5	103.5865	0.1746	-0.0121	0	0
8529	108.7681	0.1725	-0.0108	0	0
8529.5	109.1685	0.171	-0.0105	0	0
8530	103.62	0.1647	-0.0105	0	0
8530.5	98.5713	0.1512	-0.0144	0	0
8531	94.1777	0.1391	-0.0188	0	0
8531.5	94.2715	0.1364	-0.0226	0	0
8532	98.8241	0.1434	-0.0186	0	0
8532.5	106.2704	0.1581	-0.0048	0	0
8533	110.4499	0.1682	0.001	0	0
8533.5	109.3575	0.1643	-0.0101	0	0
8534	104.1922	0.153	-0.015	0	0
8534.5	102.2422	0.1464	-0.0009	0	0
8535	102.1749	0.1493	0.0102	0	0
8535.5	103.1183	0.158	0.009	0	0
8536	103.1401	0.1633	0.0028	0	0
8536.5	103.2389	0.1628	-0.0014	0	0

8537	104.1424	0.1503	-0.0006	0	0
8537.5	100.7369	0.1159	-0.0001	0	0
8538	90.5991	0.0781	0.0016	0	0
8538.5	74.3552	0.0533	-0.0016	0.01805	0.009025
8539	60.5134	0.0414	-0.0087	0.0312	0.0156
8539.5	54.9129	0.0415	-0.0179	0.0351	0.01755
8540	59.8286	0.0533	-0.0172	0.0276	0.0138
8540.5	70.9735	0.0735	-0.0111	0.0225	0.01125
8541	78.3915	0.0819	-0.0117	0.034	0.017
8541.5	74.4369	0.0744	-0.0192	0.06345	0.031725
8542	68.395	0.0648	-0.0198	0.0704	0.0352
8542.5	72.0601	0.0745	-0.0065	0.0438	0.0219
8543	87.1908	0.1163	0.0106	0.0158	0.0079
8543.5	97.6745	0.1251	0.0157	0	0
8544	92.3251	0.0844	0.0032	0	0
8544.5	70.7171	0.0458	-0.0142	0.0158	0.0079
8545	49.0912	0.0268	-0.0194	0.01905	0.009525
8545.5	40.7199	0.0303	-0.017	0.01435	0.007175
8546	47.8199	0.0472	-0.0156	0.00905	0.004525
8546.5	59.3344	0.0552	-0.0171	0.0067	0.00335
8547	64.1142	0.0481	-0.0194	0.004	0.002
8547.5	61.137	0.0364	-0.0183	0.00055	0.000275
8548	56.0996	0.0272	-0.0138	0.00105	0.000525
8548.5	51.4361	0.0219	-0.0139	0.00355	0.001775
8549	48.9958	0.0198	-0.0187	0.0074	0.0037
8549.5	47.2412	0.0211	-0.019	0.0169	0.00845
8550	47.3875	0.0256	-0.0185	0.0303	0.01515
8550.5	49.4698	0.0342	-0.0194	0.0415	0.02075
8551	55.9605	0.0454	-0.0116	0.05385	0.026925
8551.5	66.1744	0.0587	0.0019	0.06375	0.031875
8552	74.0432	0.0755	0.0075	0.0686	0.0343
8552.5	81.7985	0.1014	0.0063	0.0771	0.03855
8553	90.5672	0.126	0.0015	0	0
8553.5	99.4553	0.1407	-0.0035	0	0

8554	102.9936	0.1514	0.0028	0	0
8554.5	101.3191	0.1601	0.0148	0	0
8555	102.7203	0.1615	0.0076	0	0
8555.5	106.0353	0.1509	-0.0087	0	0
8556	106.9776	0.1433	-0.0088	0	0
8556.5	102.4986	0.1371	0.0018	0	0
8557	98.4659	0.1301	-0.0045	0	0
8557.5	98.275	0.1273	-0.0127	0	0
8558	102.5263	0.1372	-0.0101	0	0
8558.5	104.697	0.1598	0.0012	0	0
8559	105.6307	0.1767	0.0035	0	0
8559.5	105.7406	0.1791	-0.0012	0	0
8560	104.7801	0.1675	-0.0009	0	0
8560.5	102.4513	0.1514	0.0003	0	0
8561	101.1216	0.1441	0.0035	0	0
8561.5	103.3181	0.1455	0.0047	0	0
8562	104.911	0.1438	0.0062	0	0
8562.5	103.1667	0.1318	0.0054	0	0
8563	96.8723	0.1151	0.0066	0	0
8563.5	91.6928	0.1052	0.0101	0	0
8564	86.9056	0.0983	0.0161	0.02345	0.011725
8564.5	82.3559	0.0878	0.0137	0.0215	0.01075
8565	77.2626	0.0748	0.0005	0.03915	0.019575
8565.5	71.501	0.0646	-0.0177	0.05865	0.029325
8566	69.8882	0.065	-0.022	0.0531	0.02655
8566.5	73.6494	0.0794	-0.0011	0.02785	0.013925
8567	80.6893	0.0967	0.0206	0.01435	0.007175
8567.5	84.1499	0.0961	0.0101	0.0258	0.0129
8568	78.7864	0.0789	-0.0232	0.0523	0.02615
8568.5	69.9414	0.064	-0.0353	0.0769	0.03845
8569	68.062	0.0671	-0.0155	0.08485	0.042425
8569.5	76.4517	0.0973	0.0073	0.0708	0.0354
8570	87.9259	0.139	0.0148	0.0474	0.0237
8570.5	98.5055	0.1596	0.0101	0	0

8571	104.6791	0.1532	-0.0116	0	0
8571.5	104.7954	0.1387	-0.0439	0	0
8572	100.0397	0.1307	-0.04	0	0
8572.5	98.0678	0.1377	-0.01	0	0
8573	99.8929	0.1525	0.0145	0	0
8573.5	101.4133	0.1518	0.0147	0	0
8574	99.2937	0.1403	-0.0028	0	0
8574.5	97.9357	0.1295	-0.0126	0	0
8575	97.5343	0.1275	-0.0163	0	0
8575.5	95.4671	0.1281	-0.0112	0	0
8576	94.6505	0.1275	-0.0099	0	0
8576.5	95.9518	0.1228	-0.0032	0	0
8577	100.3955	0.1187	0.0081	0	0
8577.5	102.0401	0.1174	0.0127	0	0
8578	99.6976	0.1111	0.0034	0	0
8578.5	93.9135	0.1001	-0.0216	0	0
8579	89.3185	0.091	-0.0312	0.0484	0.0242
8579.5	87.2154	0.0885	-0.0207	0.0542	0.0271
8580	90.3282	0.0915	-0.0065	0	0
8580.5	96.1632	0.0989	-0.0021	0	0
8581	103.3654	0.114	-0.0056	0	0
8581.5	104.9706	0.1309	-0.0049	0	0
8582	105.7439	0.1418	-0.0029	0	0
8582.5	106.3189	0.1456	0.0021	0	0
8583	108.8967	0.1502	0.0055	0	0
8583.5	113.228	0.1575	-0.0031	0	0
8584	117.7238	0.1671	-0.0035	0	0
8584.5	120.0099	0.1666	0.0042	0	0
8585	115.6258	0.1531	0.0061	0	0
8585.5	109.0243	0.1338	0.0005	0	0
8586	102.1164	0.1089	-0.0127	0	0
8586.5	93.1767	0.0849	-0.018	0	0
8587	85.4802	0.0706	-0.0073	0.03205	0.016025
8587.5	83.9456	0.0699	0.005	0.01795	0.008975

8588	87.3742	0.0738	0.0063	0.0133	0.00665
8588.5	85.1804	0.0685	-0.0044	0.01435	0.007175
8589	76.6844	0.059	-0.0231	0.01055	0.005275
8589.5	72.9307	0.0542	-0.0276	0.00305	0.001525
8590	73.3677	0.0517	-0.023	-0.00455	-0.00228
8590.5	73.6005	0.0438	-0.0227	-0.00695	-0.00348
8591	66.4324	0.0315	-0.0254	-0.00385	-0.00193
8591.5	56.1462	0.021	-0.0301	0	0
8592	47.1793	0.0149	-0.0288	0	0
8592.5	40.6781	0.012	-0.0197	0	0
8593	41.5021	0.0139	-0.0164	0	0
8593.5	48.2866	0.0227	-0.017	0.0347	0.01735
8594	61.1465	0.041	-0.0241	0.04255	0.021275
8594.5	78.8705	0.0637	-0.0208	0.0478	0.0239
8595	96.6333	0.0826	-0.0132	0	0
8595.5	108.4329	0.095	-0.0099	0	0
8596	113.1258	0.1011	-0.0055	0	0
8596.5	114.4459	0.1067	-0.005	0	0
8597	116.34	0.1132	-0.0162	0	0
8597.5	114.3941	0.1155	-0.0348	0	0
8598	105.998	0.1084	-0.042	0	0
8598.5	94.518	0.0971	-0.0398	0	0
8599	88.5396	0.0894	-0.0418	0.022	0.011
8599.5	91.1584	0.0924	-0.0507	0	0
8600	96.037	0.1009	-0.0617	0	0
8600.5	95.8659	0.1106	-0.0666	0	0
8601	98.353	0.12	-0.0553	0	0
8601.5	104.9133	0.1225	-0.0262	0	0
8602	108.5404	0.1167	-0.0123	0	0
8602.5	108.1429	0.1092	-0.0133	0	0
8603	106.8969	0.1141	-0.0135	0	0
8603.5	112.1564	0.1333	-0.0087	0	0
8604	120.9589	0.1453	-0.008	0	0
8604.5	126.9515	0.1365	-0.0191	0	0

8605	123.5183	0.1197	-0.0303	0	0
8605.5	112.6811	0.1095	-0.0394	0	0
8606	103.4344	0.1062	-0.0378	0	0
8606.5	102.4658	0.1036	-0.0413	0	0
8607	104.0976	0.0966	-0.0452	0	0
8607.5	102.7892	0.0906	-0.0478	0	0
8608	102.3768	0.0796	-0.0408	0	0
8608.5	96.5062	0.0627	-0.0318	0	0
8609	87.3709	0.0483	-0.0308	0.01425	0.007125
8609.5	76.957	0.0408	-0.0328	0.01465	0.007325
8610	73.4296	0.0412	-0.0252	0.00785	0.003925
8610.5	74.9221	0.0396	-0.0111	-0.0034	-0.0017
8611	71.7407	0.0311	-0.0018	-0.00685	-0.00343
8611.5	60.2885	0.0201	-0.0044	-0.0025	-0.00125
8612	46.8787	0.0128	-0.0196	0	0
8612.5	42.6928	0.0146	-0.0283	0	0
8613	55.0443	0.0295	-0.0345	0	0
8613.5	78.3842	0.0554	-0.031	0.03185	0.015925
8614	98.2992	0.081	-0.0303	0	0
8614.5	106.1563	0.0965	-0.0267	0	0
8615	101.3137	0.095	-0.0313	0	0
8615.5	88.8636	0.0863	-0.048	0.00185	0.000925
8616	75.4991	0.0793	-0.0678	0.0129	0.00645
8616.5	66.6502	0.0768	-0.0706	0.043	0.0215
8617	65.6132	0.0784	-0.0747	0.06125	0.030625
8617.5	72.1446	0.0872	-0.0614	0.04535	0.022675
8618	80.0089	0.1059	-0.0199	0.0127	0.00635
8618.5	85.8581	0.1184	0.0041	0.00825	0.004125
8619	86.7845	0.111	-0.0203	0.03185	0.015925
8619.5	85.1025	0.0928	-0.0674	0.06595	0.032975
8620	83.5761	0.0837	-0.0672	0.06605	0.033025
8620.5	81.3441	0.0926	-0.0289	0.03445	0.017225
8621	78.1339	0.1124	0.0195	0.027	0.0135
8621.5	70.4579	0.1144	0.0177	0.107	0.0535

8622	59.912	0.0986	-0.0297	0.23925	0.119625
8622.5	51.0292	0.0839	-0.0299	0.2669	0.13345
8623	49.7515	0.1237	0.0903	0.1747	0.08735
8623.5	54.5668	0.2191	0.2594	0.06705	0.033525
8624	59.5062	0.2136	0.3202	0.0096	0.0048
8624.5	60.0299	0.1306	0.2188	0.0034	0.0017
8625	59.5299	0.0796	0.0545	0.00935	0.004675
8625.5	57.9446	0.0579	-0.0387	0.01015	0.005075
8626	58.338	0.0512	-0.0444	0.0112	0.0056
8626.5	57.8349	0.0519	-0.0332	0.0058	0.0029
8627	57.5301	0.056	-0.0357	-0.01845	-0.00923
8627.5	57.8919	0.0556	-0.0332	-0.04915	-0.02458
8628	54.9212	0.0458	-0.0342	-0.0628	-0.0314
8628.5	47.6679	0.0321	-0.069	0	0
8629	38.3149	0.0215	-0.1198	0	0
8629.5	33.5714	0.0171	-0.1427	0	0
8630	34.7095	0.0161	-0.1279	0	0
8630.5	34.2416	0.0155	-0.1211	0	0
8631	33.1563	0.0161	-0.1354	0	0
8631.5	34.8347	0.0185	-0.1399	0	0
8632	41.8538	0.0214	-0.1213	0	0
8632.5	48.5873	0.0232	-0.0867	0	0
8633	50.7426	0.0238	-0.0715	0	0
8633.5	52.1902	0.0231	-0.075	0	0
8634	50.7334	0.0182	-0.0887	0	0
8634.5	42.9447	0.0084	-0.1112	0	0
8635	28.3783	-0.0024	-0.1426	0	0
8635.5	14.2386	-0.0102	-0.1681	0	0
8636	6.46	-0.0144	-0.17	0	0
8636.5	3.1695	-0.0162	-0.154	0	0
8637	2.615	-0.0169	-0.1375	0	0
8637.5	2.7945	-0.017	-0.1352	0	0
8638	3.2585	-0.0167	-0.146	0	0
8638.5	3.6216	-0.0164	-0.151	0	0

8639	3.7228	-0.0165	-0.1412	0	0
8639.5	3.3813	-0.017	-0.1416	0	0
8640	2.9267	-0.0177	-0.1457	0	0
8640.5	2.8329	-0.0183	-0.1482	0	0
8641	2.6705	-0.0184	-0.1435	0	0
8641.5	2.4771	-0.018	-0.1511	0	0
8642	2.5937	-0.0173	-0.1551	0	0
8642.5	2.9122	-0.0169	-0.1454	0	0
8643	3.1292	-0.0167	-0.1354	0	0
8643.5	3.0879	-0.0165	-0.1357	0	0
8644	3.1296	-0.0154	-0.1497	0	0
8644.5	3.3244	-0.0132	-0.1589	0	0
8645	4.156	-0.0084	-0.176	0	0
8645.5	10.2271	0.0038	-0.1761	0	0
8646	29.3617	0.0205	-0.1387	0	0
8646.5	52.9685	0.0303	-0.069	0	0
8647	63.9034	0.0273	-0.0149	0.07525	0.037625
8647.5	55.6755	0.0219	0.0255	0.09095	0.045475
8648	41.7711	0.0234	0.0736	0.0871	0.04355
8648.5	36.5727	0.029	0.1215	0.06785	0.033925
8649	38.5266	0.0328	0.1491	0.0385	0.01925
8649.5	40.2213	0.0303	0.1439	0.0151	0.00755
8650	39.6225	0.023	0.1127	0.00455	0.002275
8650.5	35.6782	0.0148	0.0622	0.00405	0.002025
8651	32.4743	0.0086	0.0216	0.00715	0.003575
8651.5	32.8891	0.0061	0.003	0.00705	0.003525
8652	36.4495	0.0066	0.0015	0.0071	0.00355
8652.5	49.423	0.0093	0.005	0.01785	0.008925
8653	77.3315	0.0167	-0.0026	0.03435	0.017175
8653.5	112.8712	0.0352	-0.021	0	0
8654	132.5756	0.0647	-0.029	0	0
8654.5	127.5068	0.0847	-0.016	0	0
8655	108.6718	0.0801	-0.0157	0	0
8655.5	89.6849	0.0638	-0.0538	0.00485	0.002425

8656	81.8032	0.0579	-0.0857	0	0
8656.5	84.81	0.0672	-0.0818	0	0
8657	90.7974	0.0734	-0.0637	0	0
8657.5	84.4336	0.0616	-0.0776	0	0
8658	73.566	0.0478	-0.0974	0	0
8658.5	68.8007	0.0339	-0.0875	0	0
8659	61.3643	0.0165	-0.0794	0	0
8659.5	42.4883	0.0002	-0.1114	0	0
8660	18.4101	-0.0108	-0.1489	0	0
8660.5	5.4387	-0.0146	-0.1531	0	0
8661	2.7753	-0.0153	-0.1459	0	0
8661.5	3.0592	-0.0154	-0.1533	0	0
8662	3.7867	-0.0155	-0.1702	0	0
8662.5	4.6682	-0.0153	-0.1772	0	0
8663	4.9379	-0.0147	-0.1654	0	0
8663.5	4.3404	-0.0141	-0.1607	0	0
8664	4.072	-0.0135	-0.1642	0	0
8664.5	4.0838	-0.013	-0.1666	0	0
8665	4.9721	-0.0127	-0.1694	0	0
8665.5	5.6288	-0.0127	-0.1702	0	0
8666	5.522	-0.013	-0.1698	0	0
8666.5	5.6386	-0.0135	-0.1632	0	0
8667	6.0273	-0.0139	-0.1567	0	0
8667.5	6.45	-0.0139	-0.1568	0	0
8668	5.9245	-0.0135	-0.1579	0	0
8668.5	4.9217	-0.0132	-0.1507	0	0
8669	4.7179	-0.0131	-0.1529	0	0
8669.5	4.4596	-0.0135	-0.1625	0	0
8670	3.9837	-0.0142	-0.1678	0	0
8670.5	4.0829	-0.0147	-0.163	0	0
8671	4.7486	-0.0145	-0.1536	0	0
8671.5	5.6044	-0.014	-0.1525	0	0
8672	5.6411	-0.0139	-0.1555	0	0
8672.5	5.1977	-0.0134	-0.1594	0	0

8673	4.9997	-0.0112	-0.1537	0	0
8673.5	5.9562	-0.0041	-0.1574	0	0
8674	9.7549	0.0111	-0.1627	0	0
8674.5	14.4858	0.0316	-0.1399	0	0
8675	18.5271	0.0472	-0.0831	0	0
8675.5	21.3186	0.0524	-0.0344	0.0116	0.0058
8676	22.5665	0.0528	-0.0217	0.0199	0.00995
8676.5	23.4085	0.053	-0.0309	0.02375	0.011875
8677	24.1229	0.0533	-0.0301	0.0163	0.00815
8677.5	24.5097	0.0545	-0.0147	0.0062	0.0031
8678	24.5274	0.0554	-0.0079	-0.0048	-0.0024
8678.5	23.5955	0.0518	-0.0192	-0.0118	-0.0059
8679	26.7764	0.0439	-0.0315	-0.0138	-0.0069
8679.5	33.0085	0.0336	-0.0432	0	0
8680	45.7664	0.0237	-0.0473	0	0
8680.5	57.9271	0.0171	-0.0447	0	0
8681	61.1414	0.0142	-0.0342	0	0
8681.5	49.7289	0.0147	-0.0282	0	0
8682	31.7587	0.0193	-0.0318	0	0
8682.5	22.4894	0.0273	-0.0255	-0.00245	-0.00123
8683	22.9852	0.0321	-0.0073	-0.00965	-0.00483
8683.5	27.9545	0.0295	-0.0064	-0.00645	-0.00323
8684	29.4899	0.0236	-0.0285	0	0
8684.5	30.9611	0.0191	-0.0384	0	0
8685	36.9635	0.0178	-0.0307	0	0
8685.5	46.2847	0.0174	-0.02	0	0
8686	50.7671	0.0153	-0.0149	0.0004	0.0002
8686.5	49.0442	0.0124	-0.007	-0.00255	-0.00128
8687	51.8668	0.0102	-0.0023	-0.00095	-0.00048
8687.5	66.3494	0.0112	-0.0104	-0.0026	-0.0013
8688	86.77	0.017	-0.0221	0	0
8688.5	99.4983	0.0237	-0.0256	0	0
8689	98.1641	0.0253	-0.0305	0	0
8689.5	85.0705	0.02	-0.0382	0	0

8690	67.1957	0.0129	-0.0459	0	0
8690.5	53.3744	0.0092	-0.0504	0	0
8691	46.6096	0.0087	-0.0526	0	0
8691.5	45.2065	0.011	-0.0523	0	0
8692	45.5337	0.0169	-0.0496	0	0
8692.5	46.0595	0.0321	-0.0353	0	0
8693	44.398	0.0555	-0.0174	0.0172	0.0086
8693.5	38.1401	0.0723	-0.0105	0.0178	0.0089
8694	29.5354	0.0724	-0.0192	0.0207	0.01035
8694.5	24.0517	0.0638	-0.0294	0.01925	0.009625
8695	22.024	0.0574	-0.0218	0.01285	0.006425
8695.5	21.8634	0.0542	-0.0128	0.00875	0.004375
8696	23.9162	0.0518	-0.0133	0.00675	0.003375
8696.5	27.1016	0.0506	-0.0249	-0.00225	-0.00113
8697	27.6319	0.0509	-0.0334	-0.01195	-0.00598
8697.5	24.3017	0.047	-0.0335	-0.01695	-0.00848
8698	20.9497	0.0356	-0.0401	0	0
8698.5	23.1934	0.0229	-0.0468	0	0
8699	29.7964	0.0142	-0.0481	0	0
8699.5	38.2352	0.0108	-0.0399	0	0
8700	43.6938	0.0108	-0.0293	0	0
8700.5	41.4959	0.0108	-0.028	0	0
8701	35.1173	0.0105	-0.0294	0	0
8701.5	32.4068	0.0114	-0.0288	0	0
8702	38.3043	0.0147	-0.0253	0	0
8702.5	45.7311	0.0178	-0.0272	0	0
8703	46.4172	0.0185	-0.0341	0	0
8703.5	42.3678	0.0173	-0.0306	0	0
8704	40.6722	0.0164	-0.0237	0	0
8704.5	42.4899	0.0157	-0.0237	0	0
8705	44.9364	0.0139	-0.0284	0	0
8705.5	43.1896	0.0116	-0.0339	0	0
8706	37.9048	0.0093	-0.0292	0	0
8706.5	31.3235	0.0071	-0.0198	0	0

8707	25.1648	0.005	-0.0107	0	0
8707.5	21.3758	0.0033	-0.0039	0	0
8708	21.6754	0.0028	-0.0017	-0.00145	-0.00073
8708.5	26.3499	0.0033	0.0011	0.00435	0.002175
8709	29.5573	0.0035	-0.0069	0	0
8709.5	28.4561	0.0031	-0.006	0	0
8710	27.4651	0.0031	0.0056	0.0051	0.00255
8710.5	30.0223	0.004	0.0165	-0.0017	-0.00085
8711	34.6658	0.0047	0.0173	-0.01185	-0.00593
8711.5	36.8827	0.0042	0.006	-0.0181	-0.00905
8712	36.761	0.0028	-0.0062	0	0
8712.5	36.273	0.0022	-0.0259	0	0
8713	37.3816	0.0024	-0.0386	0	0
8713.5	38.9158	0.0033	-0.0311	0	0
8714	40.7005	0.0053	-0.0165	0	0
8714.5	46.7409	0.0084	-0.0252	0	0
8715	56.7721	0.0128	-0.0563	0	0
8715.5	64.1237	0.0142	-0.0702	0	0
8716	66.4183	0.0111	-0.0482	0	0
8716.5	71.7934	0.0062	-0.0189	0	0
8717	80.6771	0.0032	-0.0106	0	0
8717.5	81.8006	0.0027	-0.0121	0	0
8718	70.1508	0.0029	-0.011	0	0
8718.5	56.1967	0.0038	-0.0061	0	0
8719	52.885	0.0092	-0.0098	0	0
8719.5	58.9282	0.0222	-0.0179	-0.0242	-0.0121
8720	58.1247	0.0368	-0.0404	0	0
8720.5	43.9639	0.0433	-0.0695	0	0
8721	25.5707	0.0424	-0.0908	0	0
8721.5	16.34	0.0384	-0.0929	0	0
8722	15.8715	0.0309	-0.0701	0	0
8722.5	15.5309	0.0205	-0.0419	0	0
8723	14.3912	0.0133	-0.0201	0	0
8723.5	13.9223	0.0149	-0.0092	0.05585	0.027925

8724	13.7227	0.027	-0.0008	0.0859	0.04295
8724.5	11.881	0.046	0.0179	0.1276	0.0638
8725	10.5228	0.0673	0.0444	0.169	0.0845
8725.5	10.7989	0.0912	0.0806	0.19445	0.097225
8726	13.2739	0.1247	0.1305	0.1974	0.0987
8726.5	17.4544	0.1646	0.1734	0.18515	0.092575
8727	21.6025	0.1922	0.1967	0.16725	0.083625
8727.5	22.7718	0.194	0.2008	0.15315	0.076575
8728	21.8979	0.1796	0.1907	0.1466	0.0733
8728.5	18.8728	0.1638	0.1707	0.14515	0.072575
8729	15.6177	0.1527	0.1536	0.13725	0.068625
8729.5	12.6384	0.144	0.1492	0.12845	0.064225
8730	10.8456	0.1354	0.1549	0.1234	0.0617
8730.5	11.0286	0.1276	0.1469	0.12525	0.062625
8731	10.9745	0.1235	0.1334	0.1315	0.06575
8731.5	10.7718	0.124	0.1228	0.1403	0.07015
8732	10.6409	0.1278	0.1227	0.1491	0.07455
8732.5	10.3572	0.1325	0.1305	0.1646	0.0823
8733	10.1269	0.1387	0.1419	0.1938	0.0969
8733.5	9.8223	0.1473	0.1509	0.2248	0.1124
8734	9.8861	0.169	0.1602	0.23065	0.115325
8734.5	10.6773	0.2026	0.185	0.19635	0.098175
8735	11.5261	0.2314	0.2182	0.1368	0.0684
8735.5	11.6708	0.2211	0.2402	0.06915	0.034575
8736	12.5765	0.1566	0.2361	0.02375	0.011875
8736.5	13.4399	0.09	0.1836	0.02065	0.010325
8737	13.2613	0.053	0.0853	0.0386	0.0193
8737.5	11.6588	0.0388	0.0087	0.0493	0.02465
8738	9.5771	0.0411	0.0002	0.0447	0.02235
8738.5	8.3696	0.0469	0.0303	0.0333	0.01665
8739	8.0153	0.0479	0.0507	0.01575	0.007875
8739.5	9.1445	0.0459	0.0435	0.01135	0.005675
8740	10.3565	0.0438	0.0228	0.0458	0.0229
8740.5	10.5622	0.0441	-0.0126	0.1201	0.06005

8741	10.6985	0.0519	-0.0292	0.19525	0.097625
8741.5	12.8438	0.0794	0.0122	0.23065	0.115325
8742	15.9026	0.1359	0.1043	0.23615	0.118075
8742.5	17.2675	0.2023	0.1882	0.23345	0.116725
8743	17.5756	0.2332	0.2281	0.2334	0.1167
8743.5	17.2635	0.2387	0.2336	0.2481	0.12405
8744	16.1732	0.2431	0.2238	0.2639	0.13195
8744.5	13.8261	0.247	0.2198	0.26495	0.132475
8745	11.9062	0.2564	0.2398	0.24625	0.123125
8745.5	11.2803	0.2652	0.2626	0.2225	0.11125
8746	14.1341	0.2652	0.2647	0.21045	0.105225
8746.5	18.6191	0.248	0.2445	0.21605	0.108025
8747	22.1413	0.2246	0.2204	0.2213	0.11065
8747.5	21.9668	0.2131	0.2078	0.2193	0.10965
8748	20.3712	0.2164	0.2157	0.2182	0.1091
8748.5	21.6891	0.2269	0.2157	0.22745	0.113725
8749	23.9713	0.2303	0.2083	0.24125	0.120625
8749.5	22.5295	0.2343	0.2021	0.2477	0.12385
8750	18.8831	0.2418	0.2131	0.2447	0.12235
8750.5	15.9129	0.2499	0.2326	0.23735	0.118675
8751	16.8198	0.2559	0.2395	0.2331	0.11655
8751.5	18.6983	0.2597	0.2297	0.22875	0.114375
8752	18.8622	0.2571	0.2176	0.22635	0.113175
8752.5	17.909	0.253	0.2132	0.2309	0.11545
8753	19.4453	0.2502	0.2073	0.2454	0.1227
8753.5	26.369	0.2583	0.1944	0.25635	0.128175
8754	37.5409	0.2666	0.1952	0.262	0.131
8754.5	48.1578	0.2732	0.2176	0.25975	0.129875
8755	50.4383	0.2768	0.2359	0.24585	0.122925
8755.5	46.0676	0.2765	0.2475	0.21955	0.109775
8756	39.9695	0.2719	0.2476	0.19505	0.097525
8756.5	36.4989	0.2604	0.2313	0.1837	0.09185
8757	34.6007	0.2397	0.1994	0.1965	0.09825
8757.5	31.3139	0.2186	0.1715	0.22965	0.114825

8758	28.3954	0.2075	0.1599	0.2582	0.1291
8758.5	27.5965	0.2218	0.1712	0.25995	0.129975
8759	32.0627	0.2531	0.2062	0.22045	0.110225
8759.5	37.6472	0.273	0.2434	0.1562	0.0781
8760	42.3459	0.2671	0.2528	0.0974	0.0487
8760.5	44.3269	0.2164	0.2245	0.05415	0.027075
8761	44.1009	0.1388	0.1736	0.02735	0.013675
8761.5	39.2024	0.0826	0.1122	0.018	0.009
8762	29.6635	0.0533	0.055	0.0166	0.0083
8762.5	24.2118	0.0398	0.0149	0.01735	0.008675
8763	27.8605	0.0355	0.0005	0.01685	0.008425
8763.5	34.0547	0.034	-0.0008	0.01745	0.008725
8764	36.4415	0.0332	0.0015	0.02645	0.013225
8764.5	42.7441	0.0324	0.0013	0.03935	0.019675
8765	55.206	0.0335	0.0014	0.049	0.0245
8765.5	60.3659	0.0381	0.0148	0.04625	0.023125
8766	49.4048	0.0439	0.0348	0.04205	0.021025
8766.5	29.8952	0.0474	0.0506	0.0399	0.01995
8767	18.6108	0.0465	0.046	0.03515	0.017575
8767.5	14.7376	0.0436	0.0405	0.0282	0.0141
8768	14.475	0.0397	0.0401	0.0208	0.0104
8768.5	15.7889	0.0353	0.035	0.0169	0.00845
8769	17.2153	0.0306	0.0258	0.0087	0.00435
8769.5	18.6616	0.026	0.0156	-0.00015	-7.5E-05
8770	21.9605	0.0207	0.0131	-0.00565	-0.00283
8770.5	27.8402	0.015	0.0024	-0.0055	-0.00275
8771	32.6825	0.0112	-0.0115	0	0
8771.5	34.0622	0.0099	-0.0212	0	0
8772	32.4163	0.0101	-0.0211	0	0
8772.5	30.7781	0.0103	-0.019	0	0
8773	29.29	0.0101	-0.0109	0	0
8773.5	28.1952	0.0094	-0.0024	-0.01335	-0.00668
8774	30.1299	0.0087	-0.0039	-0.00785	-0.00393
8774.5	35.4571	0.008	-0.0211	0	0

8775	42.9762	0.0076	-0.0343	0	0
8775.5	46.1871	0.0068	-0.0225	0	0
8776	42.54	0.0055	-0.0077	0	0
8776.5	33.0158	0.0041	-0.0092	0	0
8777	23.9696	0.0032	-0.0208	0	0
8777.5	22.2644	0.0028	-0.0185	0	0
8778	25.8603	0.0027	-0.0102	0	0
8778.5	30.7465	0.0024	-0.0068	0	0
8779	32.8364	0.002	0.002	0.00195	0.000975
8779.5	34.6594	0.0022	0.0106	-0.0055	-0.00275
8780	35.8848	0.0034	0.0124	-0.0102	-0.0051
8780.5	34.8598	0.0053	-0.0014	-0.01125	-0.00563
8781	31.5252	0.007	-0.018	0	0
8781.5	27.1104	0.0078	-0.0282	0	0
8782	23.7938	0.0077	-0.0302	0	0
8782.5	23.2653	0.0065	-0.0257	0	0
8783	26.5625	0.0048	-0.0137	0	0
8783.5	31.5328	0.0041	-0.0125	0	0
8784	35.2986	0.0049	-0.0137	0	0
8784.5	34.8574	0.0066	-0.0192	0	0
8785	33.0116	0.008	-0.0217	0	0
8785.5	32.4584	0.0093	-0.0164	0	0
8786	36.1631	0.0101	-0.0201	0	0
8786.5	40.2842	0.0097	-0.0207	0	0
8787	42.2885	0.0083	-0.025	0	0
8787.5	45.3239	0.0059	-0.0197	0	0
8788	51.8348	0.0032	0.0024	0.0201	0.01005
8788.5	57.1799	0.0006	0.0271	0.0207	0.01035
8789	56.752	-0.0007	0.0423	0.02015	0.010075
8789.5	52.843	-0.0011	0.0413	0.0102	0.0051
8790	50.3342	-0.001	0.0424	-0.00565	-0.00283
8790.5	50.2732	-0.0009	0.0412	-0.0161	-0.00805
8791	51.0113	0.0002	0.0202	-0.0198	-0.0099
8791.5	53.6132	0.0055	-0.0168	0	0

8792	57.8749	0.0124	-0.0446	0	0
8792.5	58.6544	0.0126	-0.0522	0	0
8793	49.9555	0.0045	-0.0751	0	0
8793.5	32.8118	-0.0043	-0.1252	0	0
8794	19.2419	-0.0078	-0.1479	0	0
8794.5	17.918	-0.0072	-0.1173	0	0
8795	27.8803	-0.0064	-0.065	0	0
8795.5	38.9406	-0.0064	-0.047	0	0
8796	43.7993	-0.0065	-0.0553	0	0
8796.5	43.6978	-0.006	-0.0554	0	0
8797	42.5906	-0.0051	-0.0421	0	0
8797.5	43.4443	-0.0031	-0.0191	0	0
8798	44.9323	0.0017	-0.0014	0.01265	0.006325
8798.5	44.3507	0.0076	0.0183	0.00775	0.003875
8799	42.6206	0.0105	0.0235	0.00685	0.003425
8799.5	39.2019	0.0092	0.0161	0.0055	0.00275
8800	36.8753	0.0069	0.0086	-0.00125	-0.00063
8800.5	35.965	0.0056	0.0081	-0.0053	-0.00265
8801	34.7722	0.0045	0.0065	-0.00835	-0.00418
8801.5	33.823	0.0028	-0.0053	0	0
8802	33.5996	0.0006	-0.0112	0	0
8802.5	36.1267	-0.0025	-0.0142	0	0
8803	38.7692	-0.0058	-0.015	0	0
8803.5	40.3635	-0.0078	-0.0191	0	0
8804	39.4946	-0.0072	-0.0294	0	0
8804.5	36.2532	-0.0044	-0.0441	0	0
8805	31.4373	-0.0004	-0.0493	0	0
8805.5	28.1773	0.004	-0.0408	0	0
8806	28.5091	0.009	-0.0528	0	0
8806.5	28.9904	0.0141	-0.0814	0	0
8807	29.1631	0.017	-0.1069	0	0
8807.5	30.9498	0.016	-0.1063	0	0
8808	44.7528	0.0137	-0.0859	0	0
8808.5	65.318	0.0112	-0.0789	0	0

8809	71.3615	0.0065	-0.1131	0	0
8809.5	54.369	-0.0003	-0.1533	0	0
8810	29.086	-0.0059	-0.1697	0	0
8810.5	16.6255	-0.0078	-0.1559	0	0
8811	18.4477	-0.0085	-0.1382	0	0
8811.5	20.3788	-0.0103	-0.136	0	0
8812	17.1476	-0.0128	-0.1468	0	0
8812.5	10.9098	-0.0148	-0.1592	0	0
8813	6.3109	-0.0153	-0.1478	0	0
8813.5	5.7448	-0.0152	-0.1401	0	0
8814	6.4357	-0.0144	-0.1492	0	0
8814.5	7.5753	-0.0116	-0.1674	0	0
8815	12.5248	-0.0052	-0.1723	0	0
8815.5	28.6745	0.0062	-0.1612	0	0
8816	59.2599	0.0215	-0.1332	0	0
8816.5	81.9608	0.0353	-0.1002	0	0
8817	81.7925	0.045	-0.0752	0	0
8817.5	62.2423	0.0505	-0.0588	0	0
8818	42.8935	0.051	-0.0371	-0.02085	-0.01043
8818.5	36.8644	0.0464	-0.0281	-0.02775	-0.01388
8819	37.5316	0.0386	-0.046	0	0
8819.5	37.4121	0.0324	-0.0741	0	0
8820	30.5894	0.0294	-0.0849	0	0
8820.5	19.825	0.0292	-0.081	0	0
8821	13.5988	0.0319	-0.0745	0	0
8821.5	11.2295	0.0372	-0.0754	0	0
8822	10.1429	0.0432	-0.0716	0	0
8822.5	9.3832	0.0492	-0.0459	0.0445	0.02225
8823	12.6498	0.056	-0.0074	0.03845	0.019225
8823.5	22.4836	0.0629	0.0198	0.02915	0.014575
8824	32.3383	0.0664	0.0226	0.0213	0.01065
8824.5	33.3128	0.0646	0.0123	0.0171	0.00855
8825	26.2252	0.0597	-0.0014	0.0185	0.00925
8825.5	19.1734	0.0543	-0.0117	0.02645	0.013225

8826	19.2509	0.051	-0.0168	0.0337	0.01685
8826.5	24.658	0.0532	-0.0162	0.03385	0.016925
8827	30.016	0.0596	-0.0067	0.03095	0.015475
8827.5	33.3586	0.065	0.0024	0.0336	0.0168
8828	33.2182	0.0641	0.0036	0.03475	0.017375
8828.5	30.6945	0.0629	-0.001	0.02415	0.012075
8829	28.2145	0.0649	0.0023	0.00475	0.002375
8829.5	32.69	0.065	0.0045	-0.0097	-0.00485
8830	47.6318	0.0574	-0.0091	-0.0185	-0.00925
8830.5	65.5026	0.0449	-0.0354	-0.0284	-0.0142
8831	73.0434	0.0345	-0.0539	0	0
8831.5	68.0782	0.0279	-0.0649	0	0
8832	57.6224	0.0237	-0.0805	0	0
8832.5	49.8343	0.0186	-0.0887	0	0
8833	55.5084	0.0094	-0.0839	0	0
8833.5	77.7498	-0.0019	-0.0787	0	0
8834	87.651	-0.0108	-0.0976	0	0
8834.5	70.2526	-0.0151	-0.1206	0	0
8835	35.0384	-0.016	-0.145	0	0
8835.5	12.0489	-0.0161	-0.1639	0	0
8836	6.7227	-0.0164	-0.1721	0	0
8836.5	5.9146	-0.0167	-0.1689	0	0
8837	6.3191	-0.0167	-0.1557	0	0
8837.5	6.6094	-0.0167	-0.1563	0	0
8838	6.9568	-0.0161	-0.176	0	0
8838.5	7.4764	-0.0151	-0.1819	0	0
8839	10.4263	-0.0135	-0.1593	0	0
8839.5	14.0694	-0.0121	-0.1386	0	0
8840	15.9082	-0.0105	-0.1494	0	0
8840.5	14.9	-0.0077	-0.1635	0	0
8841	16.077	-0.0032	-0.1385	0	0
8841.5	23.9338	0.0004	-0.0897	0	0
8842	33.0242	0.0004	-0.0573	0	0
8842.5	36.7503	-0.0026	-0.0489	0	0

8843	34.5022	-0.0056	-0.0506	0	0
8843.5	30.8973	-0.0073	-0.0533	0	0
8844	29.2217	-0.0077	-0.068	0	0
8844.5	28.2991	-0.0059	-0.0959	0	0
8845	26.8785	0.0008	-0.1136	0	0
8845.5	26.8278	0.0162	-0.103	0	0
8846	28.2426	0.0464	-0.0535	0	0
8846.5	29.5377	0.0758	0.0096	0.0057	0.00285
8847	29.6086	0.0793	0.043	-0.0206	-0.0103
8847.5	30.4681	0.0575	0.0249	-0.0304	-0.0152
8848	32.4181	0.0319	-0.0205	-0.03525	-0.01763
8848.5	30.9595	0.0153	-0.0565	0	0
8849	26.4722	0.0077	-0.0685	0	0
8849.5	23.3426	0.0046	-0.0751	0	0
8850	22.8134	0.0022	-0.0965	0	0
8850.5	23.066	0.0012	-0.1288	0	0
8851	23.7578	0.0048	-0.145	0	0
8851.5	25.173	0.0113	-0.1223	0	0
8852	23.0997	0.0168	-0.1003	0	0
8852.5	17.3794	0.0192	-0.0829	0	0
8853	12.3957	0.0194	-0.075	0	0
8853.5	10.3086	0.02	-0.0703	0	0
8854	9.9048	0.0224	-0.0688	0	0
8854.5	10.8101	0.026	-0.0666	0	0
8855	14.4475	0.0257	-0.0545	0	0
8855.5	20.698	0.0183	-0.0513	0	0
8856	25.9553	0.0087	-0.0713	0	0
8856.5	28.1967	0.0021	-0.1127	0	0
8857	30.3391	0.0025	-0.1428	0	0
8857.5	41.2941	0.0093	-0.1357	0	0
8858	56.2403	0.0164	-0.1107	0	0
8858.5	66.3765	0.0168	-0.1067	0	0
8859	65.1895	0.0115	-0.1218	0	0
8859.5	57.1608	0.0067	-0.1376	0	0

8860	47.9671	0.005	-0.1388	0	0
8860.5	39.0376	0.0065	-0.1227	0	0
8861	32.0353	0.0087	-0.1154	0	0
8861.5	26.1639	0.0104	-0.1093	0	0
8862	20.5	0.0115	-0.1074	0	0
8862.5	16.0698	0.0136	-0.1065	0	0
8863	16.0835	0.0151	-0.1049	0	0
8863.5	17.7172	0.0134	-0.1103	0	0
8864	20.1301	0.0061	-0.11	0	0
8864.5	21.6438	-0.0032	-0.1194	0	0
8865	20.9226	-0.0097	-0.1331	0	0
8865.5	17.9093	-0.0123	-0.1507	0	0
8866	13.3311	-0.013	-0.1612	0	0
8866.5	9.929	-0.0134	-0.1634	0	0
8867	8.324	-0.0124	-0.1703	0	0
8867.5	10.5086	-0.0085	-0.1665	0	0
8868	20.4855	-0.0003	-0.1508	0	0
8868.5	41.3003	0.0117	-0.1295	0	0
8869	71.5689	0.0249	-0.1125	0	0
8869.5	98.8285	0.0345	-0.0977	0	0
8870	105.0174	0.0397	-0.0829	0	0
8870.5	84.5668	0.0435	-0.0544	0	0
8871	51.326	0.0492	-0.0301	0.00855	0.004275
8871.5	25.7521	0.0554	-0.0183	0.00625	0.003125
8872	14.2297	0.0588	-0.0279	0.0124	0.0062
8872.5	11.5828	0.0594	-0.0423	0.017	0.0085
8873	10.6629	0.0597	-0.0472	0.01515	0.007575
8873.5	9.6468	0.0604	-0.0356	0.01785	0.008925
8874	9.2496	0.0608	-0.0268	0.02485	0.012425
8874.5	9.2484	0.0617	-0.0314	0.02705	0.013525
8875	9.735	0.0647	-0.029	0.0191	0.00955
8875.5	10.6928	0.0662	-0.0165	0.007	0.0035
8876	12.0355	0.0612	-0.0071	0.0111	0.00555
8876.5	15.0149	0.0549	-0.0167	0.0337	0.01685

8877	18.2909	0.0541	-0.0401	0.0689	0.03445
8877.5	20.057	0.064	-0.0418	0.0928	0.0464
8878	17.8178	0.0838	-0.0164	0.09315	0.046575
8878.5	13.188	0.1013	0.0365	0.0803	0.04015
8879	10.5467	0.1113	0.0743	0.07385	0.036925
8879.5	9.8027	0.1096	0.0767	0.0719	0.03595
8880	9.7205	0.1019	0.0587	0.064	0.032
8880.5	9.8197	0.0959	0.0518	0.0548	0.0274
8881	12.0344	0.0906	0.0532	0.0501	0.02505
8881.5	15.8547	0.0868	0.0412	0.048	0.024
8882	18.793	0.0834	0.0262	0.03955	0.019775
8882.5	20.0266	0.0792	0.021	0.02495	0.012475
8883	19.6768	0.0755	0.0205	0.0156	0.0078
8883.5	20.0615	0.0698	0.0093	0.00895	0.004475
8884	20.9885	0.0608	-0.0109	0.00315	0.001575
8884.5	21.9525	0.0503	-0.0191	-0.0024	-0.0012
8885	21.2435	0.0419	-0.024	-0.00095	-0.00048
8885.5	20.3601	0.0378	-0.0315	0.0045	0.00225
8886	22.0606	0.037	-0.0418	0	0
8886.5	26.3316	0.0378	-0.0397	0	0
8887	29.326	0.0407	-0.0317	0.0284	0.0142
8887.5	30.8258	0.0453	-0.0271	0.0335	0.01675
8888	29.2041	0.0518	-0.0168	0.039	0.0195
8888.5	26.4613	0.0586	-0.0018	0.0442	0.0221
8889	22.6804	0.0651	0.0019	0.0506	0.0253
8889.5	20.5407	0.0703	0.0077	0.054	0.027
8890	26.8999	0.0732	0.0152	0.05005	0.025025
8890.5	35.0904	0.0739	0.0273	0.0346	0.0173
8891	38.5507	0.0747	0.0333	0.01475	0.007375
8891.5	31.5771	0.0741	0.026	0.0022	0.0011
8892	20.5389	0.0697	-0.0005	0.0023	0.00115
8892.5	13.2715	0.0638	-0.0343	0.0247	0.01235
8893	9.2024	0.0592	-0.0548	0.0836	0.0418
8893.5	7.0093	0.0603	-0.0557	0.1482	0.0741

8894	7.1849	0.071	-0.0216	0.1629	0.08145
8894.5	8.8158	0.103	0.0642	0.13225	0.066125
8895	11.4503	0.1463	0.1501	0.08505	0.042525
8895.5	13.0458	0.1555	0.1703	0.04125	0.020625
8896	13.7957	0.1292	0.1353	0.0105	0.00525
8896.5	13.5187	0.0975	0.0726	0.008	0.004
8897	13.3108	0.0727	0.0098	0.0191	0.00955
8897.5	15.5393	0.055	-0.034	0.02065	0.010325
8898	23.1888	0.0475	-0.0315	0.0083	0.00415
8898.5	38.3698	0.0483	-0.0101	-0.0013	-0.00065
8899	77.7217	0.0478	-0.0065	-0.0032	-0.0016
8899.5	161.0737	0.041	-0.0244	0	0
8900	314.8858	0.0342	-0.0368	0	0
8900.5	477.823	0.0351	-0.0415	0	0
8901	514.6804	0.0434	-0.0457	0	0
8901.5	381.0169	0.0506	-0.0374	0	0
8902	180.3612	0.0504	-0.0306	0	0
8902.5	53.8029	0.0445	-0.0361	-0.02435	-0.01218
8903	19.4239	0.0381	-0.0619	0	0
8903.5	17.1986	0.0363	-0.0876	0	0
8904	17.6031	0.042	-0.0907	0	0
8904.5	17.0201	0.056	-0.0555	0.0385	0.01925
8905	15.0765	0.0705	-0.0115	0.04535	0.022675
8905.5	12.7304	0.0776	0.003	0.0589	0.02945
8906	11.379	0.0807	-0.0037	0.06345	0.031725
8906.5	11.2358	0.0859	0.0048	0.0547	0.02735
8907	12.6032	0.0916	0.0262	0.0458	0.0229
8907.5	14.3356	0.0905	0.0364	0.03785	0.018925
8908	16.0671	0.0826	0.0268	0.0248	0.0124
8908.5	17.4046	0.0728	0.0188	0.01575	0.007875
8909	19.124	0.0648	0.0109	0.01545	0.007725
8909.5	19.0656	0.0596	-0.01	0.0176	0.0088
8910	18.2551	0.0582	-0.0267	0.02055	0.010275
8910.5	17.8625	0.0586	-0.0277	0.0285	0.01425

8911	19.3902	0.0586	-0.0234	0.03505	0.017525
8911.5	21.6193	0.0575	-0.0164	0.02735	0.013675
8912	22.26	0.0544	0.0026	0.01625	0.008125
8912.5	20.8439	0.0506	0.0195	0.0094	0.0047
8913	19.7023	0.0467	0.008	0.00825	0.004125
8913.5	19.642	0.0432	-0.0107	0.01185	0.005925
8914	20.1167	0.0408	-0.022	0.01815	0.009075
8914.5	20.752	0.0404	-0.0239	0.0225	0.01125
8915	20.2868	0.0431	-0.0194	0.0254	0.0127
8915.5	20.1141	0.0484	-0.0121	0.0385	0.01925
8916	19.7466	0.0544	-0.0094	0.06275	0.031375
8916.5	19.8066	0.061	-0.0102	0.08865	0.044325
8917	19.4868	0.0728	0.0042	0.1037	0.05185
8917.5	18.9214	0.0922	0.0333	0.1048	0.0524
8918	18.7152	0.1167	0.0606	0.0946	0.0473
8918.5	19.065	0.1279	0.0795	0.07955	0.039775
8919	20.5574	0.1233	0.0863	0.0728	0.0364
8919.5	20.5004	0.1136	0.0756	0.07205	0.036025
8920	19.5057	0.1048	0.0543	0.07595	0.037975
8920.5	17.5549	0.0992	0.0464	0.08375	0.041875
8921	16.577	0.0977	0.0464	0.0947	0.04735
8921.5	16.531	0.1026	0.0493	0.0997	0.04985
8922	16.5343	0.1115	0.056	0.10185	0.050925
8922.5	16.7469	0.1175	0.0719	0.1052	0.0526
8923	17.1484	0.1186	0.0808	0.1063	0.05315
8923.5	17.6139	0.1202	0.0835	0.09765	0.048825
8924	18.3945	0.1226	0.0878	0.077	0.0385
8924.5	20.9468	0.1195	0.0931	0.0439	0.02195
8925	33.9841	0.1045	0.0908	0.01325	0.006625
8925.5	91.2311	0.0804	0.0736	0	0
8926	214.49	0.0577	0.0301	0	0
8926.5	299.3603	0.0417	-0.0152	0	0
8927	269.2149	0.0328	-0.0383	0	0
8927.5	147.2863	0.028	-0.0352	0	0

8928	48.7439	0.0255	-0.0303	0	0
8928.5	20.1635	0.0246	-0.0352	0	0
8929	15.6019	0.0246	-0.023	0.00685	0.003425
8929.5	15.4988	0.0242	-0.0019	0.00295	0.001475
8930	16.8733	0.0235	0.0014	0.00285	0.001425
8930.5	17.9008	0.0233	-0.0096	0.0023	0.00115
8931	18.026	0.0238	-0.0179	0.0037	0.00185
8931.5	17.9756	0.0249	-0.0192	0.00595	0.002975
8932	18.6335	0.0251	-0.0205	0.00165	0.000825
8932.5	20.244	0.0235	-0.0161	-0.00295	-0.00148
8933	23.1696	0.0192	-0.0073	-0.00245	-0.00123
8933.5	33.985	0.0136	-0.0103	0.001	0.0005
8934	59.0563	0.0091	-0.015	0	0
8934.5	91.4184	0.0057	-0.0106	0	0
8935	114.0157	0.0032	-0.0012	0	0
8935.5	109.7119	0.001	-0.0008	0	0
8936	86.3384	-0.0003	-0.01	0	0
8936.5	62.5674	-0.0004	-0.013	0	0
8937	50.6349	0.0012	-0.0103	0	0
8937.5	50.1346	0.0034	0.0017	-5E-05	-2.5E-05
8938	49.4638	0.0048	0.0109	-0.0055	-0.00275
8938.5	44.8094	0.0046	0.0083	-0.0039	-0.00195
8939	37.7935	0.0045	-0.0046	0	0
8939.5	33.2279	0.0057	-0.0167	0	0
8940	30.8956	0.0084	-0.0162	0	0
8940.5	28.1939	0.0112	-0.0056	0.0106	0.0053
8941	30.991	0.0123	0.0068	0.00495	0.002475
8941.5	40.2186	0.0111	0.0174	0.00155	0.000775
8942	45.7997	0.0093	0.0119	0.00265	0.001325
8942.5	38.6715	0.0081	0.0018	0.0018	0.0009
8943	24.2329	0.0075	-0.0044	-5E-05	-2.5E-05
8943.5	14.5465	0.0073	-0.002	0.0055	0.00275
8944	13.5204	0.0072	-0.0036	0.01945	0.009725
8944.5	20.8155	0.008	-0.0081	0	0

8945	37.2813	0.0141	-0.0031	0.0495	0.02475
8945.5	53.641	0.0262	0.0127	0.04375	0.021875
8946	59.6228	0.0391	0.0354	0.03345	0.016725
8946.5	53.2793	0.0431	0.0559	0.03475	0.017375
8947	43.3604	0.0408	0.0467	0.04435	0.022175
8947.5	35.1867	0.0397	0.0272	0.0484	0.0242
8948	26.5082	0.0405	0.029	0.04295	0.021475
8948.5	18.8703	0.0404	0.0483	0.03825	0.019125
8949	14.5696	0.0372	0.0596	0.034	0.017
8949.5	14.2418	0.0321	0.0538	0.0289	0.01445
8950	18.3991	0.0269	0.0496	0.0259	0.01295
8950.5	28.3874	0.0225	0.0455	0.02645	0.013225
8951	39.8175	0.0195	0.0383	0.02395	0.011975
8951.5	41.7464	0.0176	0.0342	0.02215	0.011075
8952	35.7871	0.0164	0.0365	0.01655	0.008275
8952.5	33.8561	0.0158	0.0321	0.0104	0.0052
8953	40.226	0.015	0.0293	0.00485	0.002425
8953.5	42.6271	0.0137	0.0194	0.0059	0.00295
8954	36.5586	0.0118	0.009	0.0131	0.00655
8954.5	28.6403	0.0107	-0.001	0.0163	0.00815
8955	29.9523	0.0109	0.0009	0.01305	0.006525
8955.5	37.7777	0.0113	0.0149	0.0043	0.00215
8956	47.0373	0.011	0.0216	0.00675	0.003375
8956.5	83.0781	0.0109	0.0152	0.02355	0.011775
8957	166.7836	0.0127	-0.0041	0	0
8957.5	258.0471	0.0209	-0.0074	0	0
8958	281.995	0.0425	0.0046	0	0
8958.5	211.6986	0.0958	0.034	0	0
8959	110.6353	0.1632	0.0925	0	0
8959.5	41.3422	0.208	0.159	0.1588	0.0794
8960	13.4826	0.2223	0.1888	0.12945	0.064725
8960.5	6.8765	0.2084	0.1682	0.10225	0.051125
8961	5.6863	0.1814	0.1362	0.0809	0.04045
8961.5	6.1115	0.1483	0.1106	0.0634	0.0317

8962	6.555	0.1175	0.087	0.0458	0.0229
8962.5	6.8547	0.0972	0.0646	0.034	0.017
8963	7.0894	0.0845	0.0423	0.0339	0.01695
8963.5	7.167	0.0777	0.0139	0.0466	0.0233
8964	7.4961	0.0742	-0.0062	0.06355	0.031775
8964.5	7.7914	0.0768	-0.009	0.07675	0.038375
8965	10.1001	0.0863	0.0069	0.07635	0.038175
8965.5	16.0515	0.0993	0.0278	0.06555	0.032775
8966	20.4285	0.1053	0.0482	0.05715	0.028575
8966.5	19.1562	0.1008	0.0519	0.06115	0.030575
8967	13.4483	0.0935	0.0376	0.0773	0.03865
8967.5	9.3203	0.0899	0.0244	0.09195	0.045975
8968	9.8073	0.093	0.0293	0.10045	0.050225
8968.5	12.9568	0.1013	0.0533	0.1039	0.05195
8969	14.4293	0.1101	0.0738	0.10925	0.054625
8969.5	14.0514	0.1179	0.083	0.10225	0.051125
8970	11.9796	0.1248	0.083	0.0724	0.0362
8970.5	10.5784	0.1246	0.0939	0.0317	0.01585
8971	9.4527	0.1061	0.0984	0.00135	0.000675
8971.5	7.712	0.0788	0.066	-0.01335	-0.00668
8972	6.2847	0.0574	0.006	-0.0244	-0.0122
8972.5	5.2784	0.0437	-0.041	-0.03385	-0.01693
8973	4.6247	0.0338	-0.0605	0	0
8973.5	4.9709	0.0265	-0.0753	0	0
8974	5.739	0.0227	-0.0904	0	0
8974.5	6.8087	0.0237	-0.1069	0	0
8975	7.5963	0.0301	-0.1223	0	0
8975.5	9.1947	0.0517	-0.0905	0	0
8976	10.8274	0.1049	0.0042	0.23415	0.117075
8976.5	11.741	0.1823	0.1215	0.2412	0.1206
8977	11.3013	0.2405	0.1945	0.25325	0.126625
8977.5	10.4618	0.2586	0.2097	0.2573	0.12865
8978	10.3437	0.2698	0.2126	0.2376	0.1188
8978.5	11.1216	0.279	0.2275	0.19475	0.097375

8979	11.9577	0.2769	0.2377	0.15805	0.079025
8979.5	14.4435	0.2497	0.2255	0.1332	0.0666
8980	17.4589	0.2051	0.1844	0.11025	0.055125
8980.5	20.1352	0.1678	0.1483	0.0796	0.0398
8981	20.5699	0.1405	0.1259	0.05655	0.028275
8981.5	18.5407	0.1177	0.1028	0.05645	0.028225
8982	16.7141	0.098	0.0612	0.0699	0.03495
8982.5	15.4519	0.0867	0.0264	0.07635	0.038175
8983	15.7589	0.0901	0.0228	0.08495	0.042475
8983.5	17.1315	0.0996	0.0402	0.1307	0.06535
8984	18.2863	0.1097	0.043	0.1907	0.09535
8984.5	18.3085	0.1263	0.0436	0.2061	0.10305
8985	15.3992	0.1684	0.093	0.17525	0.087625
8985.5	11.8539	0.2162	0.1652	0.1353	0.06765
8986	8.8504	0.2187	0.1935	0.10355	0.051775
8986.5	7.8598	0.1852	0.1653	0.0726	0.0363
8987	8.4453	0.1463	0.1243	0.0401	0.02005
8987.5	12.4816	0.1091	0.098	0.0194	0.0097
8988	22.5196	0.0764	0.0688	0.0117	0.00585
8988.5	38.5203	0.0526	0.0276	0.00355	0.001775
8989	56.9865	0.036	0.0028	-0.0023	-0.00115
8989.5	84.2898	0.0242	-0.0008	-0.0052	-0.0026
8990	127.4119	0.0149	-0.0078	0	0
8990.5	166.9647	0.0078	-0.0124	0	0
8991	174.3148	0.0039	-0.0143	0	0
8991.5	147.8798	0.0027	-0.0111	0	0
8992	120.1482	0.0031	-0.016	0	0
8992.5	116.7901	0.0051	-0.0217	0	0
8993	118.7921	0.0083	-0.0235	0	0
8993.5	109.0082	0.0101	-0.0197	0	0
8994	87.0723	0.0093	-0.0212	0	0
8994.5	65.2323	0.0064	-0.0188	0	0
8995	49.5433	0.003	-0.0142	0	0
8995.5	35.6878	0.0003	-0.0147	0	0

8996	27.3126	-0.0006	-0.0133	0	0
8996.5	27.4522	0.0002	-0.005	0	0
8997	33.9538	0.0015	0.004	0.00485	0.002425
8997.5	40.8684	0.0019	0.0069	0.0031	0.00155
8998	41.0808	0.0015	0.0069	-0.00115	-0.00058
8998.5	34.836	0.0011	0.0086	-0.00965	-0.00483
8999	27.9962	0.0009	0.0053	-0.0158	-0.0079
8999.5	23.0341	0.002	-0.0043	0	0
9000	19.9252	0.0037	-0.023	0	0
9000.5	19.0916	0.0046	-0.0362	0	0
9001	25.3076	0.0044	-0.0281	0	0
9001.5	37.4684	0.004	-0.0119	0	0
9002	48.4248	0.005	-0.0011	-0.0078	-0.0039
9002.5	49.6189	0.0062	-0.0041	-0.00915	-0.00458
9003	43.6108	0.0057	-0.0126	0	0
9003.5	35.4588	0.0038	-0.0194	0	0
9004	31.3502	0.0015	-0.0198	0	0
9004.5	31.8787	0	-0.0155	0	0
9005	37.3858	-0.0006	-0.0048	0	0
9005.5	47.3683	-0.0006	-0.0076	0	0
9006	54.5057	0	-0.0163	0	0
9006.5	58.0222	0.0004	-0.0182	0	0
9007	64.2294	0.0019	-0.0129	0	0
9007.5	74.7119	0.0068	-0.0025	0.01695	0.008475
9008	86.0959	0.0183	-0.0008	0.01365	0.006825
9008.5	91.4886	0.0358	-0.0051	0	0
9009	92.0425	0.0499	-0.016	0	0
9009.5	88.1778	0.0566	-0.0293	-0.0054	-0.0027
9010	79.1879	0.0539	-0.0386	0.0025	0.00125
9010.5	69.5982	0.0448	-0.0522	0	0
9011	63.7819	0.0355	-0.0463	0	0
9011.5	66.5771	0.0297	-0.0247	0.01085	0.005425
9012	72.9794	0.0261	-0.0029	0.01005	0.005025
9012.5	75.4012	0.0218	0.0038	0.00915	0.004575

9013	73.0688	0.0175	0.0042	0.0112	0.0056
9013.5	70.3614	0.0155	0.0046	0.0119	0.00595
9014	69.2505	0.0156	0.0027	0.0098	0.0049
9014.5	68.1061	0.0174	0.005	0.0058	0.0029
9015	71.2443	0.0256	-0.0018	5E-05	2.5E-05
9015.5	81.6749	0.0426	-0.023	-5E-05	-2.5E-05
9016	88.8957	0.0595	-0.0479	0.0081	0.00405
9016.5	89.5571	0.064	-0.0639	0.01665	0.008325
9017	88.5144	0.0606	-0.0607	0	0
9017.5	91.6827	0.0582	-0.042	0	0
9018	94.475	0.0518	-0.0185	0	0
9018.5	87.2129	0.0398	-0.006	-0.00815	-0.00408
9019	70.923	0.0259	-0.0138	-0.0077	-0.00385
9019.5	50.2144	0.0139	-0.0231	0	0
9020	33.0136	0.0054	-0.0217	0	0
9020.5	23.2842	0.0011	-0.0165	0	0
9021	18.8038	0.0002	-0.0127	0	0
9021.5	17.5221	0.0016	-0.0165	0	0
9022	20.2281	0.0043	-0.0134	0	0
9022.5	24.1312	0.0078	-0.0193	0	0
9023	27.698	0.0105	-0.0335	0	0
9023.5	30.008	0.0104	-0.0385	0	0
9024	32.4816	0.0082	-0.0285	0	0
9024.5	34.5778	0.0054	-0.0123	0	0
9025	33.3253	0.0032	-0.0022	0.00435	0.002175
9025.5	34.1571	0.0029	0.0043	0.0062	0.0031
9026	36.9766	0.0038	0.0034	0.00675	0.003375
9026.5	39.1016	0.0043	0.0044	0.00755	0.003775
9027	36.6053	0.004	0.0084	0.0046	0.0023
9027.5	33.0687	0.0037	0.0098	0.00085	0.000425
9028	35.6563	0.0049	0.0102	-0.0091	-0.00455
9028.5	43.8166	0.007	0.0022	-0.01475	-0.00738
9029	49.8067	0.0081	-0.0064	-0.01185	-0.00593
9029.5	47.132	0.0068	-0.025	0	0

9030	36.4578	0.0044	-0.0339	0	0
9030.5	26.4787	0.0024	-0.0261	0	0
9031	20.0921	0.0013	-0.0138	0	0
9031.5	16.7248	0.0015	-0.0005	-0.0064	-0.0032
9032	14.7302	0.0018	-0.0016	-0.00385	-0.00193
9032.5	14.0516	0.0016	-0.0084	0	0
9033	14.2465	0.0006	-0.0134	0	0
9033.5	14.1828	-0.0004	-0.0073	0	0
9034	15.349	-0.0001	-0.0042	0	0
9034.5	18.3766	0.0018	-0.0024	0	0
9035	20.7189	0.005	0.0016	0.0196	0.0098
9035.5	21.0496	0.0095	-0.0024	0.0498	0.0249
9036	19.623	0.0169	-0.0087	0.0645	0.03225
9036.5	17.5737	0.0302	0.009	0.053	0.0265
9037	16.0192	0.0463	0.0533	0.03495	0.017475
9037.5	15.3982	0.0515	0.0775	0.0283	0.01415
9038	16.4128	0.0437	0.0623	0.0292	0.0146
9038.5	16.4415	0.0336	0.0363	0.0312	0.0156
9039	15.0126	0.0292	0.0274	0.03015	0.015075
9039.5	12.325	0.0295	0.0289	0.0264	0.0132
9040	10.2291	0.0299	0.0325	0.0241	0.01205
9040.5	8.9729	0.029	0.0313	0.02025	0.010125
9041	8.5349	0.0271	0.0257	0.018	0.009
9041.5	8.3553	0.0248	0.0234	0.01665	0.008325
9042	8.1353	0.0223	0.0182	0.01725	0.008625
9042.5	8.0438	0.0198	0.0162	0.0157	0.00785
9043	7.7752	0.0177	0.0156	0.0078	0.0039
9043.5	8.0335	0.0156	0.0189	-0.00075	-0.00038
9044	11.0891	0.0117	0.0197	-0.0063	-0.00315
9044.5	17.9218	0.0072	0.0084	-0.0056	-0.0028
9045	25.1212	0.0036	-0.0051	0	0
9045.5	29.1262	0.0019	-0.0145	0	0
9046	30.7683	0.0022	-0.0134	0	0
9046.5	29.4929	0.0033	-0.016	0	0

9047	26.1937	0.0047	-0.0199	0	0
9047.5	22.0674	0.0057	-0.0124	0	0
9048	19.8383	0.0071	-0.0072	0	0
9048.5	18.8168	0.0104	-0.0136	0	0
9049	16.5423	0.0173	-0.0147	0.01805	0.009025
9049.5	13.5826	0.0261	0.0076	0.00445	0.002225
9050	11.4415	0.0286	0.0276	0.00065	0.000325
9050.5	10.8273	0.0215	0.0146	0.00175	0.000875
9051	12.3599	0.0115	-0.0026	0.0015	0.00075
9051.5	14.7063	0.0056	-0.0043	0.0038	0.0019
9052	15.8297	0.0044	-0.0009	0.0097	0.00485
9052.5	16.4316	0.0058	-0.0028	0.0133	0.00665
9053	17.2467	0.0087	-0.0011	0.0151	0.00755
9053.5	16.6158	0.0122	0.0072	0.0155	0.00775
9054	14.5447	0.0145	0.0121	0.0143	0.00715
9054.5	15.0064	0.0152	0.015	0.0147	0.00735
9055	23.5637	0.0158	0.0152	0.01315	0.006575
9055.5	34.4935	0.0166	0.012	0.01185	0.005925
9056	35.8992	0.0168	0.0126	0.01155	0.005775
9056.5	26.7253	0.0161	0.0102	0.01565	0.007825
9057	15.2129	0.0153	0.0084	0.01835	0.009175
9057.5	9.8901	0.0152	0.0079	0.0149	0.00745
9058	8.656	0.0159	0.0154	0.0066	0.0033
9058.5	8.6067	0.0161	0.0206	-0.00245	-0.00123
9059	9.3768	0.0146	0.0152	-0.006	-0.003
9059.5	16.5479	0.0114	0.0018	-0.00765	-0.00383
9060	93.1887	0.0078	-0.0127	0	0
9060.5	543.6556	0.0053	-0.0173	0	0
9061	1441.243	0.0057	-0.021	0	0
9061.5	2089.047	0.01	-0.0116	0	0
9062	1916.173	0.017	0.004	0	0
9062.5	1106.148	0.0253	0.029	0	0
9063	436.5625	0.0336	0.0429	0	0
9063.5	204.7539	0.0423	0.0484	0	0

9064	146.1703	0.0498	0.0564	0	0
9064.5	133.2134	0.0529	0.0664	0	0
9065	159.657	0.0504	0.0634	0	0
9065.5	202.3662	0.0446	0.0445	0	0
9066	219.6435	0.0402	0.0303	0	0
9066.5	198.551	0.0385	0.0326	0	0
9067	161.3402	0.0386	0.0394	0	0
9067.5	125.8205	0.0386	0.0431	0	0
9068	89.3784	0.0396	0.047	0.05035	0.025175
9068.5	57.3037	0.042	0.0526	0.0506	0.0253
9069	37.4929	0.0457	0.0536	0.05175	0.025875
9069.5	24.4975	0.0496	0.0511	0.0552	0.0276
9070	17.7174	0.0522	0.049	0.05895	0.029475
9070.5	16.342	0.0532	0.0503	0.05985	0.029925
9071	16.1147	0.0534	0.057	0.05815	0.029075
9071.5	15.7491	0.0531	0.0648	0.05635	0.028175
9072	15.0566	0.0514	0.0683	0.05455	0.027275
9072.5	14.433	0.0487	0.0676	0.0523	0.02615
9073	13.3845	0.0459	0.0668	0.04935	0.024675
9073.5	11.8917	0.0439	0.0652	0.04965	0.024825
9074	10.5829	0.044	0.0606	0.04895	0.024475
9074.5	10.1253	0.0457	0.053	0.0507	0.02535
9075	10.1647	0.0478	0.0515	0.04695	0.023475
9075.5	10.1496	0.0481	0.0498	0.0368	0.0184
9076	10.2382	0.0461	0.0553	0.02125	0.010625
9076.5	11.2203	0.0411	0.0528	0.0128	0.0064
9077	13.3743	0.0334	0.0402	0.01155	0.005775
9077.5	15.2609	0.0255	0.017	0.01305	0.006525
9078	15.6507	0.0192	0.0064	0.0105	0.00525
9078.5	16.0955	0.0146	0.0085	0.0079	0.00395
9079	18.8866	0.0109	0.0152	0.0068	0.0034
9079.5	21.7342	0.0089	0.0121	0.0038	0.0019
9080	21.7884	0.0091	0.0067	0.00525	0.002625
9080.5	19.5316	0.0122	0.0014	0.00985	0.004925

9081	18.0741	0.0173	-0.0097	0.02	0.01
9081.5	16.1994	0.0233	-0.0128	0.0301	0.01505
9082	12.287	0.0288	-0.0091	0.03665	0.018325
9082.5	9.0192	0.0337	0.0063	0.0418	0.0209
9083	7.7142	0.0384	0.0218	0.0398	0.0199
9083.5	8.4567	0.0428	0.0305	0.03545	0.017725
9084	9.6258	0.0471	0.0365	0.0378	0.0189
9084.5	10.8693	0.0508	0.0288	0.0548	0.0274
9085	11.7481	0.0551	0.0158	0.0691	0.03455
9085.5	10.9227	0.0656	0.01	0.07215	0.036075
9086	10.2579	0.0842	0.0254	0.06385	0.031925
9086.5	10.8188	0.1003	0.0379	0.0616	0.0308
9087	11.6039	0.1025	0.0418	0.0739	0.03695
9087.5	11.4091	0.0963	0.0314	0.09535	0.047675
9088	10.2124	0.0963	0.0269	0.11975	0.059875
9088.5	9.2061	0.1081	0.0397	0.1382	0.0691
9089	9.1116	0.1283	0.0624	0.14525	0.072625
9089.5	9.0433	0.1481	0.0914	0.1433	0.07165
9090	9.092	0.1604	0.116	0.1322	0.0661
9090.5	9.2691	0.1669	0.1236	0.1192	0.0596
9091	9.71	0.1673	0.1193	0.1092	0.0546
9091.5	9.4537	0.1615	0.1029	0.11185	0.055925
9092	8.7554	0.1525	0.0859	0.12295	0.061475
9092.5	8.5639	0.1456	0.0728	0.12935	0.064675
9093	8.7785	0.1436	0.0801	0.12715	0.063575
9093.5	9.3823	0.1455	0.1004	0.1158	0.0579
9094	10.1184	0.1497	0.109	0.09885	0.049425
9094.5	11.2614	0.1458	0.1085	0.07625	0.038125
9095	12.3125	0.1335	0.0981	0.05005	0.025025
9095.5	12.778	0.118	0.0797	0.02955	0.014775
9096	17.1621	0.1041	0.0484	0.02375	0.011875
9096.5	28.1119	0.0959	0.0042	0.0301	0.01505
9097	39.1952	0.0908	-0.0317	0.0361	0.01805
9097.5	39.5469	0.0873	-0.0398	0.03855	0.019275

9098	28.0909	0.0836	-0.0234	0.0427	0.02135
9098.5	15.3867	0.0817	-0.0095	0.0518	0.0259
9099	9.8739	0.0835	-0.0064	0.0583	0.02915
9099.5	10.1277	0.0857	-0.0003	0.0602	0.0301
9100	10.9969	0.0876	0.016	0.0668	0.0334
9100.5	10.8971	0.0889	0.0277	0.0868	0.0434
9101	9.7914	0.092	0.0284	0.11245	0.056225
9101.5	8.8523	0.0983	0.0353	0.12385	0.061925
9102	8.0847	0.1096	0.064	0.11605	0.058025
9102.5	7.6374	0.1239	0.101	0.09145	0.045725
9103	7.5065	0.1316	0.1161	0.06585	0.032925
9103.5	8.4123	0.1253	0.1068	0.0743	0.03715
9104	10.1338	0.1087	0.0742	0.12355	0.061775
9104.5	12.2595	0.0932	0.0385	0.18105	0.090525
9105	13.5425	0.0907	0.0579	0.2104	0.1052
9105.5	12.4395	0.1072	0.1399	0.2181	0.10905
9106	10.0579	0.1385	0.2236	0.22125	0.110625
9106.5	7.9017	0.1686	0.2522	0.2121	0.10605
9107	7.1151	0.1911	0.2451	0.18595	0.092975
9107.5	6.3185	0.2071	0.2354	0.16035	0.080175
9108	5.669	0.209	0.2152	0.13795	0.068975
9108.5	6.4318	0.1995	0.1724	0.11825	0.059125
9109	7.4819	0.1874	0.1333	0.1074	0.0537
9109.5	7.4598	0.1688	0.1071	0.1056	0.0528
9110	6.763	0.1455	0.091	0.11215	0.056075
9110.5	6.5234	0.1298	0.085	0.12035	0.060175
9111	7.2098	0.1251	0.0861	0.12765	0.063825
9111.5	7.3255	0.1292	0.0951	0.1225	0.06125
9112	6.7291	0.1333	0.1074	0.09575	0.047875
9112.5	5.9408	0.1317	0.1236	0.06735	0.033675
9113	5.0561	0.1166	0.1284	0.05565	0.027825
9113.5	4.8021	0.0942	0.0973	0.05755	0.028775
9114	5.3326	0.0777	0.057	0.063	0.0315
9114.5	6.8161	0.0711	0.0402	0.06465	0.032325

9115	7.9779	0.07	0.0451	0.0575	0.02875
9115.5	8.5959	0.0706	0.0554	0.0489	0.02445
9116	8.4807	0.0715	0.0578	0.04635	0.023175
9116.5	7.9927	0.072	0.043	0.0495	0.02475
9117	6.9712	0.0708	0.027	0.0526	0.0263
9117.5	6.1658	0.069	0.0237	0.04775	0.023875
9118	6.9682	0.068	0.031	0.0428	0.0214
9118.5	7.7073	0.067	0.0382	0.03885	0.019425
9119	7.4204	0.0649	0.0306	0.04325	0.021625
9119.5	5.9098	0.0639	0.0217	0.0575	0.02875
9120	5.3021	0.066	0.0117	0.07845	0.039225
9120.5	5.8483	0.0726	0.0139	0.0947	0.04735
9121	6.0451	0.0839	0.0311	0.0948	0.0474
9121.5	5.1166	0.0972	0.0597	0.08345	0.041725
9122	4.0872	0.1084	0.081	0.07535	0.037675
9122.5	3.8295	0.1111	0.0785	0.0773	0.03865
9123	4.3145	0.1076	0.0593	0.07895	0.039475
9123.5	4.5576	0.1036	0.0471	0.07425	0.037125
9124	5.0131	0.1026	0.052	0.0678	0.0339
9124.5	5.4379	0.1034	0.0545	0.06935	0.034675
9125	6.0205	0.1042	0.0443	0.07885	0.039425
9125.5	6.0412	0.1064	0.0292	0.0859	0.04295
9126	5.6116	0.1098	0.0289	0.0859	0.04295
9126.5	5.2012	0.1118	0.0459	0.08315	0.041575
9127	4.5994	0.1102	0.0616	0.0832	0.0416
9127.5	4.1428	0.108	0.0638	0.08295	0.041475
9128	3.5085	0.1074	0.0589	0.07735	0.038675
9128.5	3.1345	0.1075	0.0589	0.06585	0.032925
9129	3.3353	0.1062	0.0597	0.05795	0.028975
9129.5	3.8692	0.1027	0.052	0.0541	0.02705
9130	4.2397	0.0985	0.0332	0.0545	0.02725
9130.5	4.3741	0.0959	0.02	0.05925	0.029625
9131	4.935	0.0947	0.0135	0.06885	0.034425
9131.5	5.6298	0.0958	0.0132	0.0758	0.0379

9132	6.3428	0.0983	0.0202	0.0767	0.03835
9132.5	6.2149	0.1044	0.0333	0.0776	0.0388
9133	6.0471	0.1106	0.041	0.08125	0.040625
9133.5	5.7725	0.1148	0.0386	0.0852	0.0426
9134	6.4421	0.1163	0.0389	0.08655	0.043275
9134.5	7.3807	0.1156	0.0469	0.0903	0.04515
9135	7.8082	0.1149	0.0555	0.096	0.048
9135.5	7.5381	0.1149	0.0582	0.0993	0.04965
9136	7.0685	0.1168	0.0638	0.09615	0.048075
9136.5	7.2772	0.1197	0.0723	0.08955	0.044775
9137	6.9008	0.119	0.0796	0.0852	0.0426
9137.5	6.2223	0.115	0.0773	0.0726	0.0363
9138	5.7891	0.109	0.0701	0.04955	0.024775
9138.5	5.7841	0.0962	0.0742	0.0337	0.01685
9139	6.9665	0.0778	0.0674	0.0461	0.02305
9139.5	7.6531	0.0609	0.0382	0.07195	0.035975
9140	8.5423	0.0574	0.01	0.0851	0.04255
9140.5	8.5109	0.0718	0.0204	0.08265	0.041325
9141	8.0014	0.0947	0.0492	0.07235	0.036175
9141.5	7.6693	0.1068	0.0634	0.0586	0.0293
9142	7.5606	0.1038	0.0615	0.0526	0.0263
9142.5	7.2157	0.0966	0.0481	0.05715	0.028575
9143	6.2041	0.091	0.0262	0.0607	0.03035
9143.5	5.4054	0.0876	0.0176	0.056	0.028
9144	5.3704	0.0869	0.0274	0.0505	0.02525
9144.5	5.4081	0.0881	0.0333	0.05405	0.027025
9145	5.4022	0.0904	0.0216	0.0666	0.0333
9145.5	5.5863	0.0943	0.0067	0.0779	0.03895
9146	6.0303	0.0979	0.0102	0.08135	0.040675
9146.5	6.5347	0.1021	0.0311	0.08285	0.041425
9147	7.0092	0.1045	0.0513	0.0863	0.04315
9147.5	7.2266	0.1057	0.057	0.0872	0.0436
9148	6.9908	0.1078	0.0579	0.0863	0.04315
9148.5	6.7422	0.1098	0.0628	0.0889	0.04445

9149	6.7773	0.1129	0.0615	0.0936	0.0468
9149.5	7.0519	0.1162	0.0564	0.08975	0.044875
9150	6.9383	0.1181	0.0597	0.07255	0.036275
9150.5	6.5902	0.1131	0.0741	0.0494	0.0247
9151	6.8854	0.0976	0.0819	0.02985	0.014925
9151.5	8.1489	0.077	0.0681	0.0199	0.00995
9152	8.9532	0.0597	0.0391	0.02805	0.014025
9152.5	8.624	0.0503	0.0094	0.0601	0.03005
9153	8.7052	0.0502	-0.0104	0.10065	0.050325
9153.5	9.7834	0.0629	-0.0068	0.1216	0.0608
9154	11.1955	0.0881	0.0321	0.1208	0.0604
9154.5	10.7675	0.1206	0.0807	0.1178	0.0589
9155	9.8605	0.1382	0.105	0.11595	0.057975
9155.5	9.3759	0.1416	0.1	0.11555	0.057775
9156	8.8946	0.1439	0.0917	0.11575	0.057875
9156.5	8.7515	0.141	0.0909	0.1152	0.0576
9157	8.6715	0.1365	0.0946	0.11355	0.056775
9157.5	8.549	0.1332	0.0983	0.114	0.057
9158	8.8664	0.1339	0.0965	0.12145	0.060725
9158.5	9.6736	0.1355	0.0916	0.1388	0.0694
9159	10.7526	0.1394	0.0886	0.14915	0.074575
9159.5	10.983	0.1473	0.0956	0.14565	0.072825
9160	9.753	0.1546	0.123	0.13335	0.066675
9160.5	9.0338	0.1587	0.1396	0.1211	0.06055
9161	8.9305	0.156	0.1353	0.11875	0.059375
9161.5	9.4297	0.1491	0.1176	0.1241	0.06205
9162	10.1548	0.1409	0.1013	0.12905	0.064525
9162.5	9.8168	0.137	0.1005	0.13045	0.065225
9163	9.3712	0.1387	0.1095	0.13075	0.065375
9163.5	8.9695	0.1369	0.1212	0.1239	0.06195
9164	8.9	0.1326	0.1283	0.1065	0.05325
9164.5	8.8836	0.1307	0.1308	0.0869	0.04345
9165	9.1082	0.1285	0.1193	0.0754	0.0377
9165.5	9.2529	0.1252	0.0878	0.07605	0.038025

9166	9.7585	0.1222	0.0516	0.07965	0.039825
9166.5	9.6456	0.1227	0.0281	0.08785	0.043925
9167	9.0226	0.1256	0.0265	0.1033	0.05165
9167.5	8.1301	0.1284	0.0309	0.1145	0.05725
9168	8.2003	0.1352	0.0405	0.11425	0.057125
9168.5	10.137	0.1456	0.061	0.10675	0.053375
9169	10.9382	0.1505	0.0785	0.10805	0.054025
9169.5	10.6267	0.1461	0.0824	0.11215	0.056075
9170	9.2377	0.1398	0.0737	0.10525	0.052625
9170.5	8.3952	0.1343	0.0818	0.093	0.0465
9171	9.8576	0.1315	0.0928	0.0973	0.04865
9171.5	11.8598	0.1313	0.0792	0.1241	0.06205
9172	14.1331	0.1348	0.0512	0.14595	0.072975
9172.5	14.1813	0.1458	0.0488	0.1579	0.07895
9173	13.5938	0.1571	0.0911	0.1671	0.08355
9173.5	13.5289	0.1683	0.1236	0.1638	0.0819
9174	14.2499	0.1797	0.1361	0.144	0.072
9174.5	14.3482	0.1921	0.1421	0.1261	0.06305
9175	13.1087	0.1948	0.1328	0.12525	0.062625
9175.5	11.7851	0.1799	0.1081	0.1141	0.05705
9176	11.847	0.161	0.0912	0.07055	0.035275
9176.5	12.5846	0.1452	0.1053	0.0209	0.01045
9177	12.9876	0.1212	0.107	-0.0028	-0.0014
9177.5	12.8636	0.0917	0.0494	0.00885	0.004425
9178	13.2297	0.0703	<mark>-0.0285</mark>	0.0277	0.01385
9178.5	13.6419	0.0635	<mark>-0.0691</mark>	<mark>0</mark>	0
9179	14.7239	0.0705	<mark>-0.0528</mark>	0.0401	0.02005
9179.5	16.2119	0.0832	<mark>-0.0278</mark>	0.03225	0.016125
9180	17.7985	0.0854	<mark>-0.0023</mark>	0.0332	0.0166
9180.5	21.7088	0.0747	0.0055	0.0415	0.02075
9181	28.0052	0.0614	0.0031	0.0466	0.0233
9181.5	34.7196	0.0574	0.009	0.0454	0.0227
9182	36.875	0.0627	0.0203	0.042	0.021
9182.5	33.9148	0.0698	0.0234	0.0304	0.0152

9183	29.6362	0.0707	0.0201	0.00895	0.004475
9183.5	28.9668	0.0618	0.0222	-0.01155	-0.00578
9184	33.4248	0.0482	0.0126	-0.0156	-0.0078
9184.5	43.6887	0.0321	-0.0142	-0.00655	-0.00328
9185	60.5392	0.0173	-0.0404	0	0
9185.5	86.2512	0.0073	-0.0385	0	0
9186	117.0356	0.0019	-0.015	0	0
9186.5	133.6439	0.0001	-0.0016	0	0
9187	120.8584	-0.0002	-0.0034	0	0
9187.5	102.5149	-0.0001	-0.0095	0	0
9188	152.1419	0.0004	-0.0181	0	0
9188.5	413.8987	0.0015	-0.0247	0	0
9189	827.5928	0.0022	-0.0173	0	0
9189.5	1138.495	0.0024	-0.0018	0	0
9190	1063.109	0.0025	0.0113	0	0
9190.5	685.3555	0.0027	0.0122	0	0
9191	314.019	0.0032	-0.0017	0	0
9191.5	123.6536	0.0039	-0.0116	0	0
9192	70.4498	0.0043	-0.004	0.00515	0.002575
9192.5	50.7819	0.0044	0.0105	0.0014	0.0007
9193	45.6192	0.0042	0.0163	0.0045	0.00225
9193.5	47.6372	0.0043	0.006	0.0066	0.0033
9194	46.3973	0.005	-0.0022	0.0151	0.00755
9194.5	40.0045	0.0077	0.0013	0.02565	0.012825
9195	35.4574	0.0151	-0.0019	0.0341	0.01705
9195.5	39.7735	0.0309	-0.0007	0.03805	0.019025
9196	46.0406	0.0528	-0.0015	0.04255	0.021275
9196.5	43.2526	0.0701	-0.0019	0.05015	0.025075
9197	30.0478	0.076	0.0001	0.05325	0.026625
9197.5	15.5818	0.0747	0.0104	0.05205	0.026025
9198	8.9375	0.0743	0.026	0.04985	0.024925
9198.5	6.7946	0.0754	0.0311	0.04945	0.024725
9199	5.4386	0.077	0.0271	0.0537	0.02685
9199.5	5.3123	0.0797	0.02	0.0575	0.02875

9200	5.6045	0.0831	0.0158	0.05885	0.029425
9200.5	5.813	0.0853	0.0221	0.05475	0.027375
9201	5.9641	0.0858	0.0292	0.04995	0.024975
9201.5	6.1024	0.0841	0.0336	0.0467	0.02335
9202	5.6194	0.0812	0.0283	0.04515	0.022575
9202.5	4.9935	0.0784	0.0215	0.04375	0.021875
9203	4.6353	0.0762	0.0172	0.03715	0.018575
9203.5	4.8542	0.075	0.0153	0.0336	0.0168
9204	4.5902	0.0734	0.0141	0.03435	0.017175
9204.5	4.252	0.0717	0.0026	0.04215	0.021075
9205	4.1801	0.0713	-0.0041	0.04775	0.023875
9205.5	4.4205	0.0741	-0.0054	0.0545	0.02725
9206	4.5762	0.0791	0.0052	0.05565	0.027825
9206.5	4.5531	0.0838	0.0117	0.0578	0.0289
9207	4.0386	0.0861	0.0229	0.0565	0.02825
9207.5	3.7392	0.0871	0.0242	0.045	0.0225
9208	3.8573	0.0867	0.0289	0.0309	0.01545
9208.5	4.3305	0.0834	0.0296	0.02675	0.013375
9209	4.6264	0.0777	0.0123	0.03275	0.016375
9209.5	4.3265	0.0712	-0.0094	0.04135	0.020675
9210	3.6557	0.069	-0.0155	0.0522	0.0261
9210.5	3.2276	0.0727	-0.0072	0.0635	0.03175
9211	3.7303	0.0806	0.0021	0.0708	0.0354
9211.5	4.1353	0.0883	0.0161	0.07645	0.038225
9212	4.1698	0.0947	0.0323	0.0857	0.04285
9212.5	4.0084	0.1015	0.0401	0.092	0.046
9213	4.3528	0.1082	0.0447	0.08515	0.042575
9213.5	4.8971	0.1119	0.0595	0.0666	0.0333
9214	4.8144	0.1087	0.0753	0.0505	0.02525
9214.5	4.8075	0.0997	0.0706	0.03655	0.018275
9215	4.9256	0.0896	0.0436	0.02055	0.010275
9215.5	4.9055	0.08	0.021	0.00545	0.002725
9216	4.9199	0.0679	0.0052	-0.00065	-0.00033
9216.5	6.0728	0.0493	-0.0082	-0.00025	-0.00013

9217	9.2622	0.0298	-0.0189	-0.00045	-0.00023
9217.5	12.9963	0.0159	-0.0172	0	0
9218	15.4114	0.0086	-0.0091	0	0
9218.5	16.9482	0.0057	-0.0066	0	0
9219	17.1159	0.004	-0.0084	0	0
9219.5	17.1144	0.0025	-0.0108	0	0
9220	17.7861	0.0013	-0.0183	0	0
9220.5	20.4452	0.0008	-0.0139	0	0
9221	25.4612	0.0008	-0.0128	0	0
9221.5	29.171	0.001	-0.0169	0	0
9222	29.6988	0.0014	-0.0253	0	0
9222.5	27.6399	0.0021	-0.0231	0	0
9223	28.2258	0.0028	-0.0127	0	0
9223.5	31.5081	0.003	-0.0091	0	0
9224	36.1159	0.0029	-0.0128	0	0
9224.5	36.3848	0.004	-0.0184	0	0
9225	33.6095	0.0079	-0.0177	0	0
9225.5	30.0819	0.0157	-0.0226	0	0
9226	24.7254	0.0253	-0.0375	0	0
9226.5	19.3993	0.0323	-0.0583	0	0
9227	13.536	0.0344	-0.0728	0	0
9227.5	10.2847	0.0346	-0.0761	0	0
9228	8.4798	0.036	-0.0694	0	0
9228.5	7.1232	0.0362	-0.0565	0	0
9229	6.4634	0.0311	-0.0487	0	0
9229.5	7.0176	0.022	-0.0477	0	0
9230	10.3582	0.0129	-0.0363	0	0
9230.5	16.8724	0.0062	-0.0233	0	0
9231	23.2425	0.0029	-0.0223	0	0
9231.5	26.0809	0.002	-0.02	0	0
9232	24.7164	0.002	-0.0118	0	0
9232.5	22.5327	0.0023	-0.0038	0	0
9233	21.4984	0.0031	-0.0057	0	0
9233.5	22.3286	0.0043	-0.0065	0	0

9234	24.4019	0.005	-0.0098	0	0
9234.5	24.2455	0.005	-0.0165	0	0
9235	23.0173	0.0045	-0.0267	0	0
9235.5	22.5518	0.0041	-0.0213	0	0
9236	22.3584	0.0036	-0.0185	0	0
9236.5	22.2241	0.0034	-0.0239	0	0
9237	20.6092	0.0033	-0.0321	0	0
9237.5	20.1417	0.0038	-0.0355	0	0
9238	20.1299	0.0052	-0.0462	0	0
9238.5	20.3099	0.0077	-0.0642	0	0
9239	21.3487	0.0112	-0.0694	0	0
9239.5	22.4396	0.0142	-0.0541	0	0
9240	23.222	0.0162	-0.03	0	0
9240.5	21.0851	0.0176	-0.0149	0.0242	0.0121
9241	17.3875	0.0193	0.0033	0.0248	0.0124
9241.5	13.7076	0.0214	0.0166	0.02415	0.012075
9242	11.8795	0.0224	0.026	0.0236	0.0118
9242.5	10.7647	0.0218	0.0278	0.0212	0.0106
9243	10.48	0.0207	0.0276	0.01615	0.008075
9243.5	12.8463	0.0199	0.0273	0.01075	0.005375
9244	15.1767	0.02	0.0224	0.00745	0.003725
9244.5	15.3298	0.0203	0.012	0.00535	0.002675
9245	13.9521	0.0199	0.0016	0.0042	0.0021
9245.5	13.0141	0.0191	-0.0042	-0.0002	-1E-04
9246	12.1432	0.0182	-0.0075	-0.004	-0.002
9246.5	11.3018	0.0173	-0.0089	-0.0062	-0.0031
9247	10.9114	0.0158	-0.0162	0	0
9247.5	12.3655	0.0131	-0.0211	0	0
9248	14.9051	0.0096	-0.022	0	0
9248.5	17.558	0.006	-0.0243	0	0
9249	19.7549	0.0037	-0.0284	0	0
9249.5	21.4422	0.0026	-0.0289	0	0
9250	22.6615	0.0019	-0.0184	0	0
9250.5	23.0911	0.0012	-0.0068	0	0

9251	23.2505	0.0009	-0.0007	0.0007	0.00035
9251.5	24.3581	0.001	0.0024	0.0007	0.00035
9252	24.588	0.0015	0	0.00115	0.000575
9252.5	25.39	0.0024	-0.001	0.00245	0.001225
9253	26.6	0.003	-0.0016	0.00365	0.001825
9253.5	26.3756	0.0028	-0.0005	0.0044	0.0022
9254	23.9528	0.002	0.0029	0.00235	0.001175
9254.5	21.9982	0.0016	0.0057	-0.00585	-0.00293
9255	23.1171	0.0014	0.0074	-0.01325	-0.00663
9255.5	22.2829	0.0013	0.0034	-0.0138	-0.0069
9256	17.9642	0.001	-0.0127	0	0
9256.5	13.4101	0.0013	-0.0278	0	0
9257	12.4227	0.0022	-0.0298	0	0
9257.5	15.3125	0.0043	-0.0238	0	0
9258	20.5234	0.0069	-0.0172	0	0
9258.5	26.251	0.0097	-0.0118	0	0
9259	31.7448	0.0132	-0.0099	-0.0139	-0.00695
9259.5	34.2465	0.0163	-0.0152	-0.00975	-0.00488
9260	33.6796	0.0168	-0.0326	0	0
9260.5	29.3979	0.0144	-0.0422	0	0
9261	27.0925	0.0119	-0.0314	0	0
9261.5	33.1236	0.0132	-0.0149	0	0
9262	52.7919	0.0243	-0.0073	0.03095	0.015475
9262.5	86.3791	0.0443	-0.0071	0.0378	0.0189
9263	115.9682	0.0616	-0.0092	0	0
9263.5	110.5414	0.0651	-0.0032	0	0
9264	73.1954	0.0605	0.0151	0.08735	0.043675
9264.5	32.3674	0.0625	0.0446	0.0876	0.0438
9265	14.265	0.0729	0.0763	0.0727	0.03635
9265.5	14.0546	0.0803	0.0944	0.0502	0.0251
9266	24.178	0.0716	0.1036	0.03165	0.015825
9266.5	78.1361	0.0531	0.0923	0.0283	0.01415
9267	191.295	0.0374	0.063	0	0
9267.5	302.4546	0.0303	0.033	0	0

9268	312.5625	0.0334	0.0232	0	0
9268.5	213.1557	0.0446	0.0297	0	0
9269	92.9297	0.0568	0.0248	0	0
9269.5	29.5309	0.0624	0.0146	0.0381	0.01905
9270	17.1499	0.0621	0.0044	0.0427	0.02135
9270.5	23.7748	0.0586	0.0103	0.0427	0.02135
9271	47.1144	0.0532	0.023	0.03705	0.018525
9271.5	94.9718	0.0488	0.0366	0	0
9272	139.4558	0.047	0.0384	0	0
9272.5	142.3671	0.0474	0.0267	0	0
9273	101.163	0.0467	0.0096	0	0
9273.5	55.2237	0.045	-0.0023	0.0284	0.0142
9274	37.6858	0.0438	0.001	0.02375	0.011875
9274.5	41.5521	0.0421	0.012	0.01785	0.008925
9275	51.8033	0.0386	0.0182	0.01705	0.008525
9275.5	73.1286	0.0333	0.0142	0.02065	0.010325
9276	112.0696	0.0285	0.0072	0	0
9276.5	147.5113	0.0258	0.0083	0	0
9277	156.8498	0.0258	0.0155	0	0
9277.5	154.0725	0.0276	0.0187	0	0
9278	185.2587	0.0268	0.0215	0	0
9278.5	220.7659	0.0219	0.0224	0	0
9279	203.6986	0.0163	0.02	0	0
9279.5	132.9163	0.014	0.0103	0	0
9280	67.1367	0.0181	-0.0049	0.0326	0.0163
9280.5	45.1258	0.0298	-0.0085	0.03475	0.017375
9281	43.1456	0.0457	-0.0022	0.03715	0.018575
9281.5	41.4436	0.0589	0.0063	0.04545	0.022725
9282	37.1165	0.0668	0.0027	0.0465	0.02325
9282.5	31.9946	0.0722	0.0021	0.02965	0.014825
9283	27.7372	0.0756	0.0153	0.0059	0.00295
9283.5	23.8184	0.0669	0.0261	-0.0072	-0.0036
9284	19.8313	0.0478	0.0115	-0.0075	-0.00375
9284.5	19.9365	0.0288	-0.017	-0.0045	-0.00225

9285	24.6168	0.0159	-0.0303	0	0
9285.5	28.6026	0.0099	-0.0249	0	0
9286	28.6759	0.0079	-0.0169	0	0
9286.5	25.925	0.0076	-0.0183	0	0
9287	24.5691	0.0079	-0.0148	0	0
9287.5	26.0037	0.0084	-0.0086	0	0
9288	29.5391	0.0088	-0.008	-0.00625	-0.00313
9288.5	33.7011	0.0086	-0.0131	0	0
9289	37.3845	0.0083	-0.0216	0	0
9289.5	40.1164	0.0077	-0.0202	0	0
9290	42.0399	0.007	-0.0236	0	0
9290.5	41.8239	0.0058	-0.0234	0	0
9291	37.3885	0.0051	-0.0208	0	0
9291.5	31.4281	0.0049	-0.0217	0	0
9292	29.0874	0.0043	-0.0238	0	0
9292.5	31.7602	0.0035	-0.024	0	0
9293	34.7106	0.0026	-0.0204	0	0
9293.5	35.5799	0.002	-0.0191	0	0
9294	36.0973	0.0015	-0.0152	0	0
9294.5	36.0781	0.001	-0.0057	0	0
9295	36.2137	0.001	0.0011	-0.00295	-0.00148
9295.5	35.3765	0.0012	0.0033	-0.00415	-0.00208
9296	36.1853	0.0013	-0.0053	0	0
9296.5	36.3946	0.001	-0.0069	0	0
9297	36.6631	0.0003	-0.0086	0	0
9297.5	36.8659	0	-0.0137	0	0
9298	43.3914	-0.0004	-0.0203	0	0
9298.5	64.0488	-0.0008	-0.0283	0	0
9299	93.6651	-0.0011	-0.028	0	0
9299.5	114.6776	-0.001	-0.0206	0	0
9300	112.0476	-0.0006	-0.0142	0	0
9300.5	93.5856	-0.0001	-0.0081	0	0
9301	72.6694	0.0007	-0.0066	0	0
9301.5	56.3465	0.0026	-0.0133	0	0

9302	44.4759	0.0064	-0.0252	0	0
9302.5	37.2892	0.013	-0.0232	0	0
9303	34.7266	0.0229	-0.0069	0.02875	0.014375
9303.5	34.5849	0.0342	-0.0006	0.03265	0.016325
9304	38.5134	0.0449	-0.0032	0.0262	0.0131
9304.5	49.3428	0.046	0.0115	0.0177	0.00885
9305	60.6329	0.0378	0.0275	0.0136	0.0068
9305.5	60.2785	0.0274	0.025	0.0096	0.0048
9306	45.846	0.0199	0.0155	0.0067	0.00335
9306.5	28.6536	0.0173	0.0099	0.0082	0.0041
9307	19.1764	0.0169	0.0023	0.0124	0.0062
9307.5	19.3135	0.017	-0.0036	0.0145	0.00725
9308	26.5193	0.0174	-0.001	0.0132	0.0066
9308.5	34.9915	0.0183	0.0065	0.0101	0.00505
9309	37.9534	0.0202	0.0088	0.0041	0.00205
9309.5	33.9091	0.0232	0.0032	0.00415	0.002075
9310	26.1703	0.027	-0.0068	0.0107	0.00535
9310.5	19.9978	0.0296	-0.0214	0.01695	0.008475
9311	16.0605	0.03	-0.0217	0.012	0.006
9311.5	14.8608	0.029	-0.0076	0.00395	0.001975
9312	17.8899	0.0268	0.0071	0.001	0.0005
9312.5	22.4749	0.0235	0.0005	-0.0016	-0.0008
9313	32.158	0.0197	-0.0118	-0.006	-0.003
9313.5	44.8149	0.0159	-0.0139	-0.0095	-0.00475
9314	57.9771	0.0125	-0.0157	0	0
9314.5	62.8007	0.0094	-0.0214	0	0
9315	57.8698	0.0061	-0.0251	0	0
9315.5	48.348	0.0026	-0.0245	0	0
9316	39.0198	0.0003	-0.0233	0	0
9316.5	32.1342	-0.0004	-0.0196	0	0
9317	26.752	0.0001	-0.0154	0	0
9317.5	28.0567	0.0005	-0.0158	0	0
9318	33.8268	0.0012	-0.0139	0	0
9318.5	42.5482	0.0023	-0.0142	0	0

9319	46.9608	0.0036	-0.0149	0	0
9319.5	45.5831	0.0051	-0.0159	0	0
9320	42.3264	0.0061	-0.0185	0	0
9320.5	41.211	0.0068	-0.0175	0	0
9321	42.5178	0.006	-0.0143	0	0
9321.5	44.9948	0.0044	-0.0091	0	0
9322	46.6221	0.0027	-0.0051	0	0
9322.5	46.9352	0.0011	-0.0085	0	0
9323	42.4566	-0.0005	-0.0119	0	0
9323.5	33.8168	-0.0018	-0.0178	0	0
9324	26.0722	-0.0021	-0.0164	0	0
9324.5	22.6591	-0.0014	-0.0098	0	0
9325	25.0041	-0.0005	0.0003	0	0
9325.5	29.7857	0.0001	0.0168	0.0195	0.00975
9326	33.5057	0.0005	0.025	0.02315	0.011575
9326.5	36.1206	0.0009	0.031	0.0237	0.01185
9327	35.8184	0.0023	0.0367	0.0225	0.01125
9327.5	34.868	0.0046	0.0417	0.02945	0.014725
9328	33.5071	0.0091	0.0383	0.04265	0.021325
9328.5	30.1571	0.0185	0.0265	0.05025	0.025125
9329	24.3145	0.0337	0.0252	0.04745	0.023725
9329.5	16.3726	0.0482	0.0371	0.0386	0.0193
9330	11.2669	0.0511	0.0494	0.034	0.017
9330.5	9.7581	0.0458	0.0491	0.03125	0.015625
9331	10.192	0.0394	0.0378	0.0285	0.01425
9331.5	12.5692	0.0342	0.0338	0.02465	0.012325
9332	15.3559	0.03	0.0325	0.0196	0.0098
9332.5	15.3383	0.0255	0.0315	0.01265	0.006325
9333	12.4847	0.0211	0.0282	0.00865	0.004325
9333.5	9.3198	0.0173	0.0219	0.00925	0.004625
9334	8.4615	0.0142	0.0111	0.00705	0.003525
9334.5	9.3787	0.0125	0.0048	0.00675	0.003375
9335	10.353	0.0116	0.0069	0.01135	0.005675
9335.5	10.8471	0.0118	0.0023	0.0189	0.00945

9336	10.2483	0.0129	0.0006	0.0233	0.01165
9336.5	9.632	0.0145	0.0082	0.02665	0.013325
9337	10.5291	0.0168	0.021	0.02825	0.014125
9337.5	12.5045	0.02	0.0266	0.02685	0.013425
9338	13.5961	0.0237	0.0296	0.02305	0.011525
9338.5	13.5414	0.026	0.0305	0.01815	0.009075
9339	13.7768	0.0247	0.029	0.01555	0.007775
9339.5	15.596	0.0216	0.0245	0.0142	0.0071
9340	17.4029	0.0186	0.0177	0.01395	0.006975
9340.5	18.1764	0.0161	0.015	0.00995	0.004975
9341	17.9308	0.0138	0.0146	0.0042	0.0021
9341.5	17.5529	0.0114	0.0165	5E-05	2.5E-05
9342	16.6495	0.0093	0.0106	0.0007	0.00035
9342.5	16.0413	0.0074	0.001	-0.0002	-1E-04
9343	15.5429	0.0057	-0.0056	-0.0007	-0.00035
9343.5	15.7426	0.004	-0.0026	-0.0012	-0.0006
9344	16.2293	0.0027	-0.0031	0	0
9344.5	18.0164	0.0017	-0.0031	0	0
9345	20.1864	0.0012	-0.0036	0	0
9345.5	21.078	0.0012	0.0048	-0.00105	-0.00053
9346	20.727	0.0008	0.0104	-0.00265	-0.00133
9346.5	19.5839	0.0002	0.0053	-0.0023	-0.00115
9347	19.8766	-0.0008	-0.0013	0	0
9347.5	20.0845	-0.0009	-0.0044	0	0
9348	19.6929	-0.0006	-0.004	0	0
9348.5	18.2522	-0.0005	-0.0089	0	0
9349	17.1248	-0.0005	-0.0127	0	0
9349.5	15.5844	-0.0002	-0.0127	0	0
9350	14.6526	0.0005	-0.0138	0	0
9350.5	15.2337	0.0014	-0.0191	0	0
9351	17.8778	0.0021	-0.0147	0	0
9351.5	22.8218	0.0027	-0.0064	0	0
9352	32.532	0.0042	-0.0092	0	0
9352.5	46.9128	0.0068	-0.0209	0	0

9353	59.4871	0.0104	-0.0249	0	0
9353.5	56.8876	0.0143	-0.0146	0	0
9354	41.2698	0.017	-0.0053	0.0086	0.0043
9354.5	24.5711	0.0176	0.0002	0.00765	0.003825
9355	16.3175	0.0158	0.0048	0.012	0.006
9355.5	14.4049	0.0133	0.0039	0.0137	0.00685
9356	11.2105	0.012	0.0033	0.0125	0.00625
9356.5	8.2334	0.0123	0.0117	0.01395	0.006975
9357	7.161	0.014	0.0134	0.02155	0.010775
9357.5	7.3923	0.0162	0.0088	0.0277	0.01385
9358	7.2698	0.0184	0.0095	0.02655	0.013275
9358.5	7.0966	0.0196	0.0235	0.02235	0.011175
9359	7.254	0.0199	0.0355	0.018	0.009
9359.5	7.9567	0.0196	0.0335	0.0131	0.00655
9360	8.8591	0.0189	0.0258	0.0105	0.00525
9360.5	9.7871	0.0181	0.0179	0.01105	0.005525
9361	9.9978	0.0162	0.01	0.01185	0.005925
9361.5	10.0415	0.0138	0.0072	0.01055	0.005275
9362	10.482	0.0113	0.0108	0.00665	0.003325
9362.5	12.1608	0.0086	0.0151	0.00365	0.001825
9363	13.9653	0.0064	0.0147	0.0023	0.00115
9363.5	14.5346	0.0044	0.0089	0.0012	0.0006
9364	14.6729	0.0024	0.0049	-0.00025	-0.00013
9364.5	14.0544	0.0007	0.0039	-0.0053	-0.00265
9365	13.3824	-0.0008	0.0032	-0.009	-0.0045
9365.5	12.1429	-0.0013	0.0008	0	0
9366	11.6035	-0.0018	-0.0088	0	0
9366.5	11.2126	-0.0022	-0.0158	0	0
9367	10.2413	-0.0022	-0.0208	0	0
9367.5	8.9635	-0.0022	-0.0162	0	0
9368	8.992	-0.0019	-0.0101	0	0
9368.5	9.7029	-0.0017	-0.0088	0	0
9369	10.1186	-0.0009	-0.0142	0	0
9369.5	11.4998	0	-0.0199	0	0

9370	13.6704	0.0011	-0.0185	0	0
9370.5	16.5151	0.002	-0.01	0	0
9371	20.0889	0.0024	-0.0053	0	0
9371.5	21.9226	0.0024	-0.008	0	0
9372	21.5969	0.0021	-0.0106	0	0
9372.5	19.1849	0.002	-0.0144	0	0
9373	18.0376	0.0019	-0.0162	0	0
9373.5	19.4075	0.0016	-0.0168	0	0
9374	20.7971	0.0012	-0.0122	0	0
9374.5	22.3234	0.0009	-0.0082	0	0
9375	21.7248	0.0018	-0.0082	0	0
9375.5	24.8226	0.0048	-0.0036	0.0189	0.00945
9376	37.3139	0.0121	0.0088	0.0181	0.00905
9376.5	55.0777	0.0212	0.0156	0.01985	0.009925
9377	68.7056	0.0269	0.0109	0.02235	0.011175
9377.5	70.7652	0.027	0.0092	0.02235	0.011175
9378	67.0344	0.0248	0.0149	0.02635	0.013175
9378.5	62.5747	0.025	0.0197	0.03935	0.019675
9379	65.8633	0.0304	0.0143	0.0504	0.0252
9379.5	78.4497	0.0442	0.0085	0.05445	0.027225
9380	95.9771	0.065	0.0137	0	0
9380.5	112.2743	0.0813	0.0195	0	0
9381	120.2478	0.0856	0.0233	0	0
9381.5	121.3567	0.0865	0.0167	0	0
9382	118.0413	0.093	0.0091	0	0
9382.5	113.2522	0.0929	0.0062	0	0
9383	110.8659	0.0802	0.0078	0	0
9383.5	102.3811	0.0563	0.0146	0	0
9384	83.5067	0.0311	0.02	0.00795	0.003975
9384.5	56.8409	0.0142	0.0225	0.003	0.0015
9385	31.9197	0.0056	0.019	0.0019	0.00095
9385.5	17.7283	0.0023	0.0136	0.00215	0.001075
9386	12.7376	0.0009	0.0051	0.00285	0.001425
9386.5	12.1619	0	0.0038	0.00475	0.002375

9387	13.0362	-0.0005	0.0048	0.0038	0.0019
9387.5	13.8186	-0.0006	0.0063	0.0071	0.00355
9388	16.4245	-0.0002	0.0097	0.01675	0.008375
9388.5	20.9992	0.0017	0.0059	0.0331	0.01655
9389	27.2961	0.0062	0.008	0.051	0.0255
9389.5	39.1655	0.017	0.0165	0.0525	0.02625
9390	58.0428	0.0421	0.0241	0.03525	0.017625
9390.5	77.2209	0.082	0.02	0.01865	0.009325
9391	88.1037	0.091	0.014	0.01095	0.005475
9391.5	84.6793	0.0587	0.0118	0.00795	0.003975
9392	70.9063	0.0267	0.0106	0.0105	0.00525
9392.5	52.7418	0.01	0.0119	0.01375	0.006875
9393	37.9183	0.0048	0.0111	0.01635	0.008175
9393.5	30.2842	0.0047	0.0163	0.01435	0.007175
9394	27.4985	0.0041	0.0234	0.0103	0.00515
9394.5	26.7898	0.0027	0.03	0.00885	0.004425
9395	26.0671	0.0012	0.0275	0.0071	0.00355
9395.5	27.1383	-0.0002	0.0208	0.0045	0.00225
9396	30.3322	-0.0012	0.0189	0.0044	0.0022
9396.5	33.2315	-0.0014	0.0156	0.0083	0.00415
9397	33.3968	-0.0009	0.0099	0.01605	0.008025
9397.5	31.5693	-0.0006	0.0094	0.0188	0.0094
9398	30.8897	-0.0005	0.0171	0.01605	0.008025
9398.5	29.9677	-0.0006	0.0327	0.01325	0.006625
9399	29.4067	-0.0008	0.0384	0.0138	0.0069
9399.5	30.5011	-0.0009	0.033	0.0159	0.00795
9400	32.7553	-0.0013	0.0278	0.0169	0.00845
9400.5	33.7946	-0.0018	0.0294	0.01765	0.008825
9401	33.0047	-0.0023	0.0341	0.0177	0.00885
9401.5	33.2113	-0.0026	0.0364	0.0175	0.00875
9402	33.6119	-0.0027	0.038	0.01675	0.008375
9402.5	33.6444	-0.0027	0.0381	0.0177	0.00885
9403	34.5053	-0.0027	0.0377	0.01965	0.009825
9403.5	37.1958	-0.0024	0.0359	0.0168	0.0084

9404	38.6987	-0.0023	0.0377	0.01295	0.006475
9404.5	37.2355	-0.0019	0.0412	0.01495	0.007475
9405	33.7714	-0.002	0.0356	0.0153	0.00765
9405.5	31.5305	-0.0022	0.0281	0.00865	0.004325
9406	32.1784	-0.002	0.0319	-0.00355	-0.00178
9406.5	32.8124	-0.0004	0.031	-0.00985	-0.00493
9407	31.2108	0.0023	0.015	-0.00805	-0.00403
9407.5	26.2761	0.0045	-0.0116	0	0
9408	19.8239	0.0043	-0.024	0	0
9408.5	13.5723	0.002	-0.0181	0	0
9409	9.4059	-0.0007	-0.0112	0	0
9409.5	8.9163	-0.0024	-0.0102	0	0
9410	9.9343	-0.0027	-0.0125	0	0
9410.5	10.168	-0.0022	-0.0087	0	0
9411	9.8496	-0.0014	-0.0049	0	0
9411.5	10.0893	-0.0011	0.0002	0	0
9412	11.1664	-0.001	0.001	-0.00725	-0.00363
9412.5	11.5357	-0.0012	-0.0029	0	0
9413	10.6642	-0.0014	-0.0107	0	0
9413.5	9.3006	-0.0016	-0.0129	0	0
9414	9.5946	-0.001	-0.0154	0	0
9414.5	11.193	0.0009	-0.0207	0	0
9415	13.422	0.0052	-0.0173	0	0
9415.5	21.8552	0.0167	-0.0053	0.0319	0.01595
9416	37.5254	0.0367	0.0088	0.02635	0.013175
9416.5	54.6138	0.0562	0.0111	0.02395	0.011975
9417	61.2443	0.0567	0.0071	0.0225	0.01125
9417.5	57.9027	0.0456	0.0071	0.01625	0.008125
9418	53.1494	0.0395	0.0084	0.014	0.007
9418.5	49.299	0.0422	0.0028	0.0145	0.00725
9419	45.0121	0.0452	-0.0127	0.01645	0.008225
9419.5	39.0434	0.0413	-0.0133	0.0174	0.0087
9420	34.786	0.0364	-0.0074	0.0233	0.01165
9420.5	32.583	0.0347	-0.0018	0.02695	0.013475

9421	31.7483	0.0347	0.0001	0.0228	0.0114
9421.5	31.6786	0.0343	0.0123	0.014	0.007
9422	34.8055	0.0349	0.019	0.01075	0.005375
9422.5	38.5342	0.0367	0.0089	0.0146	0.0073
9423	39.8084	0.0308	-0.0028	0.0189	0.00945
9423.5	38.7211	0.0188	0.0027	0.02225	0.011125
9424	36.0471	0.0089	0.0203	0.0244	0.0122
9424.5	34.156	0.0046	0.0332	0.02645	0.013225
9425	31.4958	0.0037	0.0408	0.0208	0.0104
9425.5	29.3736	0.0037	0.0451	0.01915	0.009575
9426	29.4193	0.006	0.0469	0.01985	0.009925
9426.5	30.8789	0.0118	0.0298	0.024	0.012
9427	36.8362	0.0203	0.018	0.0328	0.0164
9427.5	45.6408	0.0292	0.0105	0.04085	0.020425
9428	55.9882	0.0389	0.0091	0.04055	0.020275
9428.5	62.9285	0.0508	0.0148	0.0362	0.0181
9429	65.4699	0.0552	0.0265	0.03875	0.019375
9429.5	64.4245	0.0505	0.0306	0.0419	0.02095
9430	62.7873	0.0458	0.0266	0.03755	0.018775
9430.5	67.2862	0.0543	0.0232	0.0276	0.0138
9431	77.0353	0.0653	0.0185	0.02205	0.011025
9431.5	86.0197	0.0577	0.0174	0.0172	0.0086
9432	81.1768	0.039	0.0162	0.0095	0.00475
9432.5	63.071	0.0242	0.0199	0.0073	0.00365
9433	43.5703	0.0195	0.0149	0.0099	0.00495
9433.5	34.8474	0.0247	-0.0057	0.01395	0.006975
9434	37.377	0.0347	-0.0201	0.0164	0.0082
9434.5	41.4691	0.0465	-0.0267	0.01925	0.009625
9435	44.9908	0.0567	-0.0288	0.026	0.013
9435.5	50.1663	0.0616	-0.0288	0.0312	0.0156
9436	57.1988	0.0568	-0.0183	0.02995	0.014975
9436.5	65.6283	0.0437	0.0083	0.02395	0.011975
9437	72.596	0.0314	0.031	0.0217	0.01085
9437.5	75.9618	0.0243	0.0356	0.02405	0.012025

9438	75.2435	0.0225	0.0254	0.0238	0.0119
9438.5	72.3561	0.023	0.0204	0.02165	0.010825
9439	72.2723	0.0233	0.0248	0.02155	0.010775
9439.5	71.8411	0.0228	0.0248	0.0272	0.0136
9440	70.3295	0.0212	0.0221	0.0336	0.0168
9440.5	67.7561	0.0203	0.0228	0.03465	0.017325
9441	66.8478	0.0206	0.0338	0.0329	0.01645
9441.5	68.4283	0.022	0.0452	0.0336	0.0168
9442	72.2486	0.0232	0.0461	0.0387	0.01935
9442.5	75.7534	0.0253	0.0405	0.04655	0.023275
9443	76.337	0.0271	0.0401	0.0496	0.0248
9443.5	73.8315	0.0284	0.049	0.04845	0.024225
9444	71.2828	0.0285	0.0646	0.0454	0.0227
9444.5	70.4532	0.0293	0.0699	0.0435	0.02175
9445	73.2175	0.0303	0.0666	0.048	0.024
9445.5	74.0495	0.0303	0.0605	0.0518	0.0259
9446	75.1288	0.0315	0.0555	0.0537	0.02685
9446.5	77.5449	0.0355	0.0605	0.05305	0.026525
9447	83.4619	0.0416	0.062	0.0527	0.02635
9447.5	86.959	0.045	0.0624	0.0508	0.0254
9448	83.9171	0.0442	0.0619	0.05045	0.025225
9448.5	79.1274	0.0428	0.0626	0.05065	0.025325
9449	76.9638	0.0421	0.0595	0.04855	0.024275
9449.5	77.1773	0.0413	0.0596	0.04515	0.022575
9450	73.0043	0.0387	0.0626	0.04465	0.022325
9450.5	65.9948	0.0362	0.0609	0.04845	0.024225
9451	63.8393	0.0356	0.0547	0.0557	0.02785
9451.5	67.4018	0.0368	0.0525	0.05875	0.029375
9452	72.7406	0.0388	0.0581	0.05755	0.028775
9452.5	71.8134	0.0407	0.0707	0.05565	0.027825
9453	67.6284	0.0426	0.0749	0.05505	0.027525
9453.5	67.1402	0.0442	0.0709	0.0518	0.0259
9454	69.1128	0.0453	0.066	0.04585	0.022925
9454.5	70.4468	0.0451	0.065	0.04575	0.022875

9455	70.6594	0.0435	0.0601	0.05075	0.025375
9455.5	75.1161	0.0441	0.0476	0.0509	0.02545
9456	87.8566	0.0467	0.0448	0.044	0.022
9456.5	95.635	0.0476	0.0539	0	0
9457	92.6958	0.0453	0.0565	0	0
9457.5	85.0372	0.0438	0.0442	0.0512	0.0256
9458	78.1566	0.045	0.0375	0.0501	0.02505
9458.5	75.8249	0.046	0.0457	0.0466	0.0233
9459	73.5439	0.0463	0.0561	0.0455	0.02275
9459.5	75.4864	0.0464	0.0538	0.0489	0.02445
9460	80.8373	0.0453	0.0479	0.0515	0.02575
9460.5	82.7494	0.0431	0.0479	0.05035	0.025175
9461	80.3905	0.041	0.0568	0.0453	0.02265
9461.5	76.9342	0.0403	0.0627	0.0434	0.0217
9462	74.9217	0.0405	0.0602	0.04655	0.023275
9462.5	79.2998	0.0416	0.049	0.0499	0.02495
9463	82.4343	0.0451	0.0417	0.056	0.028
9463.5	95.1158	0.0509	0.0422	0	0
9464	114.3404	0.0591	0.0407	0	0
9464.5	132.1502	0.0681	0.0439	0	0
9465	127.8726	0.0751	0.0483	0	0
9465.5	106.2168	0.0774	0.0562	0	0
9466	85.7805	0.0754	0.066	0.06095	0.030475
9466.5	78.1633	0.0709	0.0744	0.0544	0.0272
9467	78.0981	0.0653	0.0719	0.05195	0.025975
9467.5	79.2671	0.0605	0.0614	0.0469	0.02345
9468	80.345	0.058	0.0508	0.0445	0.02225
9468.5	78.0882	0.0597	0.0442	0.0414	0.0207
9469	70.6012	0.0652	0.0286	0.03885	0.019425
9469.5	62.9862	0.0718	0.0172	0.04035	0.020175
9470	58.3097	0.0751	0.0077	0.04045	0.020225
9470.5	57.3836	0.0731	0.0046	0.038	0.019
9471	59.344	0.0687	0.012	0.0324	0.0162
9471.5	63.2399	0.066	0.0149	0.02925	0.014625

9472	69.0077	0.0667	0.0093	0.02935	0.014675
9472.5	71.0386	0.068	-0.0032	0.0304	0.0152
9473	72.9764	0.0685	-0.01	0.03535	0.017675
9473.5	78.4766	0.069	-0.0103	0.0418	0.0209
9474	86.6168	0.0718	-0.011	0.044	0.022
9474.5	91.4116	0.0753	-0.0046	0	0
9475	89.3244	0.0781	0.0055	0.03655	0.018275
9475.5	82.5488	0.0808	0.0072	0.0398	0.0199
9476	76.5002	0.0821	-0.0046	0.0453	0.02265
9476.5	72.3556	0.0821	-0.009	0.03995	0.019975
9477	73.9378	0.0819	-0.0023	0.0339	0.01695
9477.5	80.3689	0.0813	0.0093	0.0318	0.0159
9478	85.1203	0.068	0.0119	0.03445	0.017225
9478.5	79.21	0.0461	0.0217	0.0386	0.0193
9479	65.6933	0.0285	0.0351	0.04295	0.021475
9479.5	53.401	0.0204	0.0485	0.0495	0.02475
9480	48.5191	0.0208	0.0564	0.0556	0.0278
9480.5	47.0579	0.0246	0.0613	0.05775	0.028875
9481	46.9279	0.0284	0.0706	0.06085	0.030425
9481.5	47.9862	0.0312	0.08	0.06875	0.034375
9482	48.3394	0.0337	0.0818	0.07305	0.036525
9482.5	47.8473	0.0369	0.0848	0.0737	0.03685
9483	49.2319	0.0407	0.0968	0.0709	0.03545
9483.5	51.9331	0.044	0.1021	0.0732	0.0366
9484	52.7288	0.0462	0.1012	0.0786	0.0393
9484.5	52.4616	0.0472	0.0946	0.0825	0.04125
9485	51.52	0.0478	0.0986	0.0847	0.04235
9485.5	53.4484	0.0483	0.1089	0.08725	0.043625
9486	54.9025	0.0497	0.1153	0.0893	0.04465
9486.5	54.5251	0.0514	0.118	0.08525	0.042625
9487	52.416	0.0522	0.1223	0.07445	0.037225
9487.5	49.4707	0.0515	0.1271	0.06285	0.031425
9488	47.3651	0.0502	0.1203	0.05975	0.029875
9488.5	45.0339	0.0497	0.0992	0.06445	0.032225

9489	42.9365	0.0491	0.0766	0.0696	0.0348
9489.5	41.2271	0.0481	0.0714	0.07175	0.035875
9490	40.6598	0.0463	0.0826	0.07095	0.035475
9490.5	40.7413	0.0482	0.091	0.0731	0.03655
9491	45.9388	0.0539	0.0896	0.07245	0.036225
9491.5	53.5608	0.0599	0.082	0.063	0.0315
9492	59.083	0.0606	0.0856	0.05155	0.025775
9492.5	60.2774	0.0575	0.0874	0.05275	0.026375
9493	62.0844	0.0567	0.0693	0.0604	0.0302
9493.5	82.7138	0.0655	0.0376	0.0607	0.03035
9494	129.0051	0.0856	0.0199	0	0
9494.5	181.4289	0.1065	0.0143	0	0
9495	208.6052	0.1105	0.0109	0	0
9495.5	196.2755	0.0935	0.0104	0	0
9496	162.5585	0.0722	0.0261	0	0
9496.5	133.8967	0.0594	0.0324	0	0
9497	123.1023	0.0619	0.0189	0	0
9497.5	126.4304	0.0798	-0.0028	0	0
9498	132.3286	0.1061	-0.0214	0	0
9498.5	126.5182	0.1162	-0.0268	0	0
9499	107.821	0.1094	-0.0224	0	0
9499.5	95.2582	0.097	-0.0124	0	0
9500	98.3477	0.094	-0.0063	0	0
9500.5	115.0166	0.0987	-0.0114	0	0
9501	129.3251	0.0989	-0.0149	0	0
9501.5	133.4913	0.0919	-0.0061	0	0
9502	131.5216	0.0875	-0.0008	0	0
9502.5	122.0909	0.0917	-0.0053	0	0
9503	112.7923	0.0987	-0.0136	0	0
9503.5	108.4735	0.0926	-0.0076	0	0
9504	107.4991	0.0767	0.0028	0	0
9504.5	107.9361	0.0653	0.0056	0	0
9505	102.9743	0.0545	0.0055	0	0
9505.5	96.1985	0.041	0.0164	0	0

9506	85.0998	0.0283	0.0392	0.0278	0.0139
9506.5	74.0272	0.0221	0.0469	0.02575	0.012875
9507	70.2362	0.0262	0.0386	0.03	0.015
9507.5	74.6572	0.0392	0.0164	0.03435	0.017175
9508	87.0777	0.052	-0.0005	0.03335	0.016675
9508.5	95.4556	0.0632	-0.0032	0	0
9509	101.0882	0.0749	-0.0062	0	0
9509.5	111.4194	0.0853	-0.0186	0	0
9510	121.8057	0.0891	-0.0261	0	0
9510.5	129.2044	0.0811	-0.0093	0	0
9511	124.3566	0.0736	0.0037	0	0
9511.5	115.065	0.076	-0.0025	0	0
9512	107.0546	0.0835	-0.0291	0	0
9512.5	99.6569	0.0797	-0.0389	0	0
9513	96.2131	0.0665	-0.0278	0	0
9513.5	92.2502	0.0522	-0.0097	0	0
9514	83.6368	0.0375	0.0073	0.03965	0.019825
9514.5	69.8198	0.0261	0.0218	0.0417	0.02085
9515	55.5818	0.0215	0.0428	0.0457	0.02285
9515.5	52.2606	0.0301	0.0492	0.0461	0.02305
9516	58.9742	0.0577	0.0257	0.0384	0.0192
9516.5	73.0706	0.1035	-0.0121	0.02445	0.012225
9517	77.9095	0.1226	-0.0304	0.0125	0.00625
9517.5	70.4873	0.1103	-0.0335	0.01785	0.008925
9518	55.7886	0.0848	-0.0359	0.0281	0.01405
9518.5	64.51	0.0631	-0.0381	0.0366	0.0183
9519	107.893	0.0532	-0.0175	0	0
9519.5	146.1549	0.0449	0.0113	0	0
9520	145.0802	0.0366	0.0366	0	0
9520.5	110.8865	0.0303	0.0406	0	0
9521	83.3018	0.0275	0.0281	0.03185	0.015925
9521.5	75.9075	0.0297	0.0178	0.0427	0.02135
9522	77.812	0.0377	0.0083	0.0574	0.0287
9522.5	83.3019	0.0593	0.0044	0.06535	0.032675

9523	90.8444	0.0891	-0.0037	0	0
9523.5	92.0032	0.1204	-0.0056	0	0
9524	87.4688	0.1359	-0.0052	0.05725	0.028625
9524.5	78.1784	0.133	-0.0002	0.0629	0.03145
9525	69.2183	0.1258	-0.0049	0.0712	0.0356
9525.5	63.5965	0.1227	-0.0082	0.0845	0.04225
9526	70.937	0.1285	-0.0027	0.0919	0.04595
9526.5	87.7765	0.1403	0.0021	0.0934	0.0467
9527	104.3142	0.1598	0.0092	0	0
9527.5	115.4842	0.1692	0.0146	0	0
9528	115.4127	0.1604	0.0264	0	0
9528.5	106.0632	0.1276	0.0339	0	0
9529	88.1504	0.0791	0.0275	-0.00625	-0.00313
9529.5	66.7425	0.0433	0.0072	-0.00415	-0.00208
9530	47.7921	0.0257	-0.0142	-0.0018	-0.0009
9530.5	31.7197	0.0161	-0.0286	0	0
9531	23.7347	0.0097	-0.018	0	0
9531.5	22.1109	0.005	-0.0086	0	0
9532	21.9431	0.0031	0.0026	0.00895	0.004475
9532.5	21.4427	0.0026	0.0077	0.0133	0.00665
9533	21.1622	0.0025	0.0127	0.0185	0.00925
9533.5	22.966	0.0027	0.0152	0.01625	0.008125
9534	27.0622	0.0057	0.0209	0.00495	0.002475
9534.5	31.5449	0.0115	0.0255	-0.0085	-0.00425
9535	33.4158	0.0196	0.0129	-0.0132	-0.0066
9535.5	32.5101	0.0266	-0.0167	-0.0063	-0.00315
9536	30.4838	0.0301	-0.0471	0	0
9536.5	30.1019	0.0326	-0.059	0	0
9537	37.3798	0.0365	-0.0491	0	0
9537.5	50.3968	0.0469	-0.0365	0.00635	0.003175
9538	64.1992	0.0559	-0.0365	0.00635	0.003175
9538.5	65.7841	0.0555	-0.0378	0.0053	0.00265
9539	59.1796	0.0503	-0.0376	-0.00175	-0.00088
9539.5	53.3152	0.0422	-0.0295	-0.00505	-0.00253

9540	50.7996	0.0307	-0.0201	-0.00165	-0.00083
9540.5	45.4113	0.0175	-0.021	0	0
9541	34.6622	0.0068	-0.0169	0	0
9541.5	28.4183	0.0023	-0.0056	0	0
9542	33.932	0.0055	0.0113	0.0066	0.0033
9542.5	44.2802	0.0157	0.0098	0.00755	0.003775
9543	53.1264	0.0316	-0.0091	0.0156	0.0078
9543.5	56.4466	0.0457	-0.0325	0.02545	0.012725
9544	57.4311	0.0563	-0.0412	0.03305	0.016525
9544.5	58.3597	0.0658	-0.0346	0.03365	0.016825
9545	63.0435	0.0768	-0.0259	0.03045	0.015225
9545.5	70.4274	0.0883	-0.0222	0.0294	0.0147
9546	76.5384	0.0914	-0.0241	0.02825	0.014125
9546.5	74.7864	0.0794	-0.0185	0.02365	0.011825
9547	65.8998	0.0626	-0.0038	0.02395	0.011975
9547.5	54.6434	0.0468	0.0097	0.0369	0.01845
9548	44.9046	0.0355	0.0118	0.0578	0.0289
9548.5	41.1856	0.0331	0.0148	0.06325	0.031625
9549	45.5102	0.054	0.0198	0.05085	0.025425
9549.5	53.8701	0.0879	0.0277	0.04395	0.021975
9550	61.6574	0.108	0.0185	0.05	0.025
9550.5	63.2322	0.1035	-0.0018	0.0491	0.02455
9551	66.0076	0.097	-0.0091	0.0363	0.01815
9551.5	69.0472	0.0965	0.0035	0.0282	0.0141
9552	67.2424	0.0889	0.0093	0.0293	0.01465
9552.5	59.4597	0.0783	-0.0057	0.03815	0.019075
9553	53.1252	0.0721	-0.0157	0.04995	0.024975
9553.5	54.4551	0.0776	-0.019	0.0517	0.02585
9554	67.9294	0.0929	-0.0166	0.03495	0.017475
9554.5	83.3261	0.1053	-0.0054	0.0116	0.0058
9555	87.8125	0.0963	0.0071	-0.01045	-0.00523
9555.5	73.0236	0.0691	0.0008	-0.01895	-0.00948
9556	50.3784	0.045	-0.0218	-0.0136	-0.0068
9556.5	35.0849	0.0299	-0.0508	0	0

9557	28.1387	0.0209	-0.0588	0	0
9557.5	25.5135	0.016	-0.0432	0	0
9558	24.2664	0.0141	-0.0277	0	0
9558.5	25.2678	0.0137	-0.0178	0	0
9559	28.5341	0.0129	-0.0212	0	0
9559.5	34.1802	0.0119	-0.0231	0	0
9560	38.1679	0.0111	-0.0267	0	0
9560.5	37.3059	0.011	-0.0246	0	0
9561	33.0147	0.0114	-0.0196	0	0
9561.5	31.0134	0.0155	-0.0287	0	0
9562	35.2484	0.0238	-0.0442	0	0
9562.5	42.8256	0.0341	-0.0496	0	0
9563	52.0665	0.0405	-0.0446	0	0
9563.5	61.523	0.0412	-0.0364	0.0088	0.0044
9564	69.2598	0.0401	-0.0337	0.01295	0.006475
9564.5	71.7895	0.0399	-0.0268	0.01985	0.009925
9565	69.8909	0.0414	-0.0238	0.0231	0.01155
9565.5	67.3179	0.0431	-0.0172	0.02335	0.011675
9566	67.8464	0.0431	-0.0034	0.0234	0.0117
9566.5	73.8679	0.0428	0.0034	0.03105	0.015525
9567	82.5937	0.0457	0.001	0.041	0.0205
9567.5	90.0275	0.0511	-0.0043	0	0
9568	97.7044	0.0582	0.0039	0	0
9568.5	108.112	0.0652	0.0168	0	0
9569	122.4554	0.0699	0.0267	0	0
9569.5	136.3515	0.07	0.0279	0	0
9570	135.9261	0.0679	0.0151	0	0
9570.5	122.8129	0.0681	-0.0024	0	0
9571	109.536	0.0744	-0.0137	0	0
9571.5	106.2042	0.0874	-0.0123	0	0
9572	111.5792	0.1027	-0.0145	0	0
9572.5	112.7132	0.0992	-0.0149	0	0
9573	112.2677	0.0817	-0.0113	0	0
9573.5	111.9791	0.0657	-0.0057	0	0

9574	107.0428	0.0612	0.0034	0	0
9574.5	97.3438	0.0694	0.0125	0	0
9575	88.9141	0.0909	0.02	0.0982	0.0491
9575.5	84.8861	0.1166	0.0192	0.0985	0.04925
9576	87.5918	0.1376	0.0282	0.08145	0.040725
9576.5	91.0651	0.1493	0.0471	0	0
9577	94.7548	0.1562	0.0408	0	0
9577.5	99.1465	0.1608	0.0021	0	0
9578	102.8176	0.1622	-0.0224	0	0
9578.5	106.1818	0.1685	0.0016	0	0
9579	108.4257	0.1883	0.0301	0	0
9579.5	109.5392	0.2186	0.0353	0	0
9580	110.5479	0.2261	0.0453	0	0
9580.5	112.7445	0.2156	0.0489	0	0
9581	113.7533	0.2046	0.0349	0	0
9581.5	112.7283	0.2086	0.028	0	0
9582	112.1792	0.2278	0.044	0	0
9582.5	114.1249	0.2478	0.0663	0	0
9583	116.3572	0.2519	0.07	0	0
9583.5	115.1779	0.2394	0.067	0	0
9584	111.3111	0.2232	0.0644	0	0
9584.5	109.1333	0.2102	0.0671	0	0
9585	106.1589	0.2041	0.0609	0	0
9585.5	101.7155	0.2063	0.0457	0	0
9586	97.2338	0.2147	0.0336	0	0
9586.5	94.3552	0.2276	0.0283	0	0
9587	97.6292	0.2309	0.0363	0	0
9587.5	103.2953	0.2301	0.0331	0	0
9588	108.5742	0.2235	0.0327	0	0
9588.5	111.0686	0.2126	0.0269	0	0
9589	112.3287	0.2038	0.0229	0	0
9589.5	112.65	0.2038	0.0249	0	0
9590	109.4797	0.2155	0.0304	0	0
9590.5	107.0114	0.2161	0.0422	0	0

9591	107.63	0.2003	0.0259	0	0
9591.5	110.6207	0.1831	-0.0086	0	0
9592	114.9769	0.1684	-0.0187	0	0
9592.5	118.4799	0.1543	-0.0039	0	0
9593	121.8054	0.1417	0.0094	0	0
9593.5	121.2476	0.131	-0.0044	0	0
9594	121.2628	0.1207	-0.0116	0	0
9594.5	122.9052	0.1135	-0.005	0	0
9595	122.9687	0.1109	0.0042	0	0
9595.5	119.5076	0.1122	0.0144	0	0
9596	115.6655	0.1115	0.0221	0	0
9596.5	114.6203	0.1109	0.0125	0	0
9597	116.8251	0.1112	0.0023	0	0
9597.5	116.2073	0.1115	-0.0021	0	0
9598	114.1671	0.1123	0.0048	0	0
9598.5	112.3175	0.1167	0.0156	0	0
9599	113.3684	0.1254	0.0217	0	0
9599.5	115.3483	0.1339	0.026	0	0
9600	113.9888	0.1459	0.0287	0	0
9600.5	110.5582	0.16	0.0334	0	0
9601	105.194	0.1637	0.0375	0	0
9601.5	97.8145	0.1267	0.0285	0	0
9602	89.4747	0.0801	0.0052	0.01785	0.008925
9602.5	81.4824	0.0511	-0.0162	0.02515	0.012575
9603	73.6866	0.035	-0.0138	0.02515	0.012575
9603.5	66.6342	0.0289	0.0068	0.0269	0.01345
9604	62.7913	0.0295	0.0208	0.03375	0.016875
9604.5	64.1858	0.0348	0.0155	0.039	0.0195
9605	69.2092	0.0466	0.0072	0.04035	0.020175
9605.5	79.5168	0.0714	-0.0039	0.04355	0.021775
9606	92.2493	0.0851	-0.0071	0	0
9606.5	102.0986	0.078	0.0027	0	0
9607	106.9249	0.063	0.0241	0	0
9607.5	106.5397	0.0523	0.0395	0	0

9608	103.3384	0.0491	0.0276	0	0
9608.5	98.032	0.0514	0.0044	0	0
9609	97.8074	0.0559	-0.0011	0	0
9609.5	103.2924	0.058	0.0108	0	0
9610	106.8924	0.0551	0.0239	0	0
9610.5	102.9335	0.0502	0.0289	0	0
9611	99.3476	0.0476	0.0268	0	0
9611.5	107.3114	0.0485	0.0264	0	0
9612	120.513	0.0439	0.0293	0	0
9612.5	127.4602	0.0341	0.0328	0	0
9613	125.2894	0.0241	0.0372	0	0
9613.5	121.2608	0.0183	0.0403	0	0
9614	114.317	0.016	0.0328	0	0
9614.5	99.5119	0.0138	0.0246	0	0
9615	82.2213	0.0125	0.0285	0.02205	0.011025
9615.5	72.549	0.0133	0.0393	0.0196	0.0098
9616	72.4662	0.0164	0.0357	0.02095	0.010475
9616.5	74.7115	0.0183	0.0258	0.021	0.0105
9617	73.1778	0.0182	0.021	0.01865	0.009325
9617.5	69.0814	0.0192	0.0227	0.01675	0.008375
9618	63.8991	0.0227	0.0193	0.023	0.0115
9618.5	59.3435	0.0272	0.0101	0.0385	0.01925
9619	56.9048	0.0302	0.0033	0.05895	0.029475
9619.5	63.0469	0.037	0.009	0.07235	0.036175
9620	74.9099	0.0546	0.0224	0.07695	0.038475
9620.5	86.2836	0.0903	0.0276	0.07865	0.039325
9621	92.9654	0.1209	0.0238	0	0
9621.5	98.2143	0.1331	0.0208	0	0
9622	103.4177	0.1355	0.0218	0	0
9622.5	108.758	0.1395	0.0208	0	0
9623	113.2216	0.1466	0.0181	0	0
9623.5	119.1829	0.1549	0.0194	0	0
9624	124.8979	0.1617	0.0218	0	0
9624.5	128.4959	0.1581	0.0168	0	0

9625	135.1898	0.1471	0.0007	0	0
9625.5	145.007	0.118	-0.0028	0	0
9626	153.6482	0.0824	0.0153	0	0
9626.5	151.5116	0.0594	0.0285	0	0
9627	136.2022	0.0461	0.025	0	0
9627.5	118.9755	0.0384	0.0178	0	0
9628	102.0643	0.0336	0.0188	0	0
9628.5	93.9581	0.0324	0.0234	0	0
9629	94.8024	0.0341	0.0202	0	0
9629.5	102.964	0.0366	0.0148	0	0
9630	113.0904	0.0438	0.0112	0	0
9630.5	124.7791	0.0607	0.0046	0	0
9631	135.2288	0.0947	-0.0036	0	0
9631.5	138.5862	0.1293	-0.0122	0	0
9632	133.717	0.1677	0.0135	0	0
9632.5	126.9107	0.2097	0.0655	0	0
9633	122.3373	0.2081	0.1117	0	0
9633.5	118.6975	0.1749	0.1056	0	0
9634	112.9837	0.1451	0.0439	0	0
9634.5	107.4752	0.1275	-0.0168	0	0
9635	102.9492	0.118	-0.0443	0	0
9635.5	100.1532	0.1198	-0.0258	0	0
9636	95.3989	0.1177	0.0043	0	0
9636.5	83.7785	0.1039	0.0098	0.01625	0.008125
9637	69.5682	0.0827	-0.0039	0.0177	0.00885
9637.5	56.2388	0.0642	-0.0192	0.02145	0.010725
9638	48.7474	0.0534	-0.0209	0.0193	0.00965
9638.5	46.8785	0.0489	-0.0135	0.00885	0.004425
9639	48.8328	0.0463	-0.0034	0.0037	0.00185
9639.5	53.9562	0.042	-0.0034	0.0309	0.01545
9640	67.3198	0.0373	-0.0196	0.0859	0.04295
9640.5	85.5006	0.039	-0.0316	0.12395	0.061975
9641	102.1718	0.0604	0.0014	0	0
9641.5	107.7522	0.1187	0.0531	0	0

9642	109.4821	0.1708	0.0771	0	0
9642.5	112.9699	0.1995	0.056	0	0
9643	118.1807	0.2174	0.0115	0	0
9643.5	125.2409	0.2204	-0.0252	0	0
9644	131.0148	0.2194	-0.0352	0	0
9644.5	134.9149	0.2248	-0.0182	0	0
9645	135.135	0.227	0.0021	0	0
9645.5	135.8946	0.2138	0.0173	0	0
9646	137.33	0.1914	0.0128	0	0
9646.5	134.7577	0.1745	0.0096	0	0
9647	130.7749	0.1687	0.0115	0	0
9647.5	130.0711	0.1732	0.0043	0	0
9648	131.7407	0.1775	0.0009	0	0
9648.5	130.7	0.1813	0.009	0	0
9649	126.5247	0.1872	0.0179	0	0
9649.5	124.235	0.203	0.0078	0	0
9650	122.0194	0.2419	0.0042	0	0
9650.5	120.4498	0.287	0.0517	0	0
9651	115.8295	0.2266	0.1304	0	0
9651.5	103.812	0.1156	0.1186	0	0
9652	86.0553	0.0595	0.0164	0.0089	0.00445
9652.5	67.1054	0.038	-0.0606	0	0
9653	54.2402	0.0326	-0.0455	0	0
9653.5	45.644	0.0371	-0.0193	0.0265	0.01325
9654	41.8619	0.0445	-0.0186	0.02395	0.011975
9654.5	45.7372	0.0529	-0.0111	0.02615	0.013075
9655	52.4967	0.0612	-0.0082	0.03485	0.017425
9655.5	60.7704	0.0623	-0.0144	0.03645	0.018225
9656	64.9002	0.0587	-0.0064	0.01535	0.007675
9656.5	64.1518	0.0553	0.0144	-0.0051	-0.00255
9657	58.5162	0.0485	0.0244	-0.0122	-0.0061
9657.5	47.9278	0.036	-0.0053	-0.00325	-0.00163
9658	36.9983	0.0231	-0.0333	0	0
9658.5	30.8205	0.0172	-0.0416	0	0

9659	35.9455	0.0243	-0.0308	0	0
9659.5	49.3839	0.0446	-0.0188	0.03805	0.019025
9660	60.966	0.0694	-0.0138	0.0372	0.0186
9660.5	67.6183	0.0855	-0.0123	0.031	0.0155
9661	71.8466	0.0951	-0.019	0.0261	0.01305
9661.5	75.7288	0.0976	-0.0232	0.02795	0.013975
9662	77.3168	0.0837	-0.0217	0.03315	0.016575
9662.5	74.0673	0.0642	-0.012	0.03755	0.018775
9663	69.1272	0.0501	0.0058	0.04125	0.020625
9663.5	68.7225	0.0462	0.0201	0.05475	0.027375
9664	69.692	0.0515	0.0236	0.07335	0.036675
9664.5	71.8397	0.0681	0.0144	0.0812	0.0406
9665	72.976	0.0946	0.0149	0.06785	0.033925
9665.5	79.2003	0.1212	0.0255	0.056	0.028
9666	88.0424	0.1297	0.0327	0.0513	0.02565
9666.5	92.9173	0.1163	0.0194	0	0
9667	92.3624	0.1002	0.0118	0	0
9667.5	87.619	0.0905	0.0121	0.0536	0.0268
9668	84.9128	0.0877	0.0084	0.0584	0.0292
9668.5	87.7545	0.0886	0.0126	0.0588	0.0294
9669	95.3898	0.0943	0.0129	0	0
9669.5	102.8197	0.1054	0.0114	0	0
9670	106.3551	0.1182	-0.0006	0	0
9670.5	104.4288	0.1281	-0.002	0	0
9671	101.6594	0.1304	0.0038	0	0
9671.5	99.6779	0.1298	0.008	0	0
9672	98.7065	0.1287	0.0028	0	0
9672.5	99.0253	0.1281	-0.0051	0	0
9673	98.43	0.1311	0.0068	0	0
9673.5	99.2849	0.1336	0.0269	0	0
9674	100.6797	0.1374	0.0307	0	0
9674.5	103.7451	0.1439	0.023	0	0
9675	106.4508	0.1546	0.0286	0	0
9675.5	108.4842	0.1696	0.0409	0	0

9676	108.8918	0.1835	0.0387	0	0
9676.5	109.2873	0.198	0.0518	0	0
9677	108.0605	0.2048	0.0606	0	0
9677.5	109.0538	0.2106	0.051	0	0
9678	112.8521	0.2257	0.0487	0	0
9678.5	123.7059	0.226	0.0721	0	0
9679	141.9196	0.1946	0.0728	0	0
9679.5	158.4944	0.1538	0.0417	0	0
9680	160.4352	0.1304	0.007	0	0
9680.5	147.5749	0.1217	0.0049	0	0
9681	133.768	0.1203	0.0205	0	0
9681.5	127.3994	0.1196	0.0268	0	0
9682	123.9327	0.123	0.0211	0	0
9682.5	118.9078	0.1279	0.009	0	0
9683	115.0367	0.1311	0	0	0
9683.5	113.2623	0.1351	0.0069	0	0
9684	113.8797	0.1411	0.0219	0	0
9684.5	116.3213	0.1423	0.0441	0	0
9685	117.0649	0.1353	0.0338	0	0
9685.5	115.4391	0.1244	-0.0018	0	0
9686	109.3631	0.1156	-0.0226	0	0
9686.5	103.6358	0.1093	-0.0164	0	0
9687	99.0878	0.0998	-0.0051	0	0
9687.5	91.3159	0.0816	-0.0056	0	0
9688	78.9013	0.061	-0.0054	0.0231	0.01155
9688.5	70.2978	0.0455	-0.0013	0.0228	0.0114
9689	70.9029	0.0345	0.0116	0.02165	0.010825
9689.5	76.2127	0.0267	0.0195	0.02445	0.012225
9690	75.7359	0.0222	0.0234	0.0287	0.01435
9690.5	81.5714	0.0265	0.0168	0.02705	0.013525
9691	99.0154	0.0386	0.0103	0	0
9691.5	116.2862	0.0525	0.0049	0	0
9692	114.0337	0.0583	-0.0042	0	0
9692.5	96.596	0.0561	-0.0162	0	0

9693	84.4153	0.0558	-0.0075	0.16045	0.080225
9693.5	85.6077	0.0734	0.0246	0.19815	0.099075
9694	96.249	0.1323	0.0748	0	0
9694.5	106.9174	0.2125	0.1084	0	0
9695	112.9025	0.2575	0.1388	0	0
9695.5	119.0138	0.2637	0.1586	0	0
9696	125.528	0.2673	0.149	0	0
9696.5	129.2136	0.2675	0.128	0	0
9697	128.2288	0.2465	0.1016	0	0
9697.5	124.0028	0.2119	0.0662	0	0
9698	121.7722	0.1662	0.0248	0	0
9698.5	116.0785	0.127	-0.0036	0	0
9699	111.821	0.107	0.0051	0	0
9699.5	111.172	0.0966	0.0128	0	0
9700	114.3653	0.0868	0.0186	0	0
9700.5	114.2814	0.0734	0.0152	0	0
9701	109.7918	0.0618	0.0134	0	0
9701.5	105.4734	0.0569	0.0219	0	0
9702	106.319	0.059	0.0299	0	0
9702.5	109.9771	0.0684	0.0184	0	0
9703	107.6824	0.0888	0.0554	0	0
9703.5	98.0474	0.1489	0.1663	0	0
9704	91.5017	0.1948	0.2487	0	0
9704.5	91.6537	0.1826	0.2017	0	0
9705	90.464	0.1397	0.0669	0	0
9705.5	82.5297	0.1038	-0.0063	0.0448	0.0224
9706	72.2406	0.0908	0.0087	0.03805	0.019025
9706.5	66.3153	0.0904	0.0132	0.0339	0.01695
9707	62.6138	0.09	-0.0004	0.03435	0.017175
9707.5	61.4903	0.084	-0.0079	0.03215	0.016075
9708	63.6629	0.0778	-0.01	0.02905	0.014525
9708.5	68.0828	0.0755	-0.0068	0.02995	0.014975
9709	67.3781	0.0711	-0.0068	0.0315	0.01575
9709.5	61.6106	0.0644	-0.0063	0.03325	0.016625

9710	57.0162	0.0601	-0.0002	0.0282	0.0141
9710.5	57.5178	0.0607	0.0023	0.02075	0.010375
9711	59.0177	0.0622	0.0043	0.01365	0.006825
9711.5	56.8442	0.0585	-0.0021	0.0103	0.00515
9712	53.8595	0.0523	-0.0108	0.01125	0.005625
9712.5	53.1644	0.045	-0.0177	0.0143	0.00715
9713	62.6867	0.0375	-0.0169	0.0254	0.0127
9713.5	98.2339	0.0307	-0.0082	0	0
9714	148.0028	0.0296	-0.001	0	0
9714.5	188.615	0.0398	0.011	0	0
9715	203.6775	0.0665	0.0121	0	0
9715.5	203.7715	0.1057	0.0016	0	0
9716	204.7731	0.1319	0.0024	0	0
9716.5	205.3703	0.1403	-0.0009	0	0
9717	201.5476	0.1344	-0.0009	0	0
9717.5	192.7015	0.1244	0.006	0	0
9718	183.496	0.1161	0.0207	0	0
9718.5	175.8175	0.1105	0.0252	0	0
9719	174.1545	0.1117	0.0139	0	0
9719.5	178.0546	0.1148	0.009	0	0
9720	198.2232	0.1095	0.0073	0	0
9720.5	222.4192	0.0867	0.0119	0	0
9721	216.5464	0.0576	0.0177	0	0
9721.5	175.1502	0.0357	0.0201	0	0
9722	127.411	0.0246	0.0234	0	0
9722.5	110.943	0.0245	0.0273	0	0
9723	136.9324	0.0348	0.0317	0	0
9723.5	177.11	0.0528	0.0297	0	0
9724	205.7292	0.0766	0.0317	0	0
9724.5	193.1051	0.0998	0.0579	0	0
9725	154.213	0.1067	0.0887	0	0
9725.5	121.5924	0.1144	0.0793	0	0
9726	113.3698	0.1332	0.0677	0	0
9726.5	119.0773	0.1993	0.1546	0	0

9727	123.8198	0.2389	0.2434	0	0
9727.5	127.9621	0.2382	0.2564	0	0
9728	134.9177	0.2376	0.2296	0	0
9728.5	141.9548	0.2371	0.1993	0	0
9729	144.4623	0.235	0.1748	0	0
9729.5	139.7683	0.231	0.1718	0	0
9730	134.0559	0.2284	0.1819	0	0
9730.5	130.7004	0.231	0.18	0	0
9731	130.6796	0.2374	0.171	0	0
9731.5	130.5589	0.2447	0.162	0	0
9732	127.3077	0.2451	0.1558	0	0
9732.5	120.3786	0.2428	0.1487	0	0
9733	113.192	0.2435	0.1459	0	0
9733.5	109.9074	0.2286	0.1527	0	0
9734	108.3745	0.1977	0.1455	0	0
9734.5	106.3266	0.1638	0.1165	0	0
9735	102.3527	0.1372	0.0763	0	0
9735.5	100.4007	0.1311	0.0566	0	0
9736	99.205	0.1369	0.0991	0	0
9736.5	97.5615	0.1429	0.1159	0	0
9737	98.6735	0.1388	0.0451	0	0
9737.5	101.6111	0.1357	-0.0401	0	0
9738	103.7919	0.1188	-0.0286	0	0
9738.5	109.1324	0.0932	0.0191	0	0
9739	115.3116	0.0704	0.03	0	0
9739.5	120.2314	0.0517	0.0311	0	0
9740	114.9304	0.0409	0.0351	0	0
9740.5	106.1288	0.036	0.0332	0	0
9741	100.7283	0.0357	0.0259	0	0
9741.5	95.5746	0.042	0.0148	0	0
9742	91.8699	0.0544	0.005	0	0
9742.5	86.9508	0.0787	-0.0112	0.26525	0.132625
9743	83.1893	0.1112	0.0193	0.246	0.123
9743.5	78.1896	0.1825	0.1595	0.13515	0.067575

9744	76.9531	0.1822	0.3483	0.03895	0.019475
9744.5	78.3653	0.1177	0.3743	0.0232	0.0116
9745	76.0298	0.0728	0.1975	0.035	0.0175
9745.5	68.2373	0.048	0.0299	0.0353	0.01765
9746	61.6879	0.0439	0.0025	0.0328	0.0164
9746.5	59.6131	0.0531	0.0169	0.0335	0.01675
9747	60.4923	0.0641	0.0065	0.03475	0.017375
9747.5	59.2554	0.0676	-0.002	0.03705	0.018525
9748	58.9825	0.0666	0.0004	0.03585	0.017925
9748.5	59.3164	0.0676	0.0019	0.03615	0.018075
9749	58.939	0.0722	0.0019	0.03935	0.019675
9749.5	59.5688	0.0802	-0.0085	0.04675	0.023375
9750	63.5478	0.0878	-0.0155	0.0567	0.02835
9750.5	71.9068	0.0922	-0.0135	0.0652	0.0326
9751	79.0848	0.0959	-0.0024	0.07955	0.039775
9751.5	84.0625	0.106	0.0074	0.10465	0.052325
9752	85.2096	0.1245	0.0059	0.14205	0.071025
9752.5	85.3755	0.1518	0.0073	0.1718	0.0859
9753	85.0537	0.1775	0.0318	0.1642	0.0821
9753.5	88.493	0.1971	0.087	0.1184	0.0592
9754	91.8694	0.2017	0.1419	0	0
9754.5	92.2192	0.1907	0.1377	0	0
9755	89.4638	0.1606	0.0762	0.1183	0.05915
9755.5	96.9337	0.1231	0.0292	0	0
9756	113.7298	0.0923	0.07	0	0
9756.5	129.9143	0.0989	0.1377	0	0
9757	137.7879	0.1657	0.1393	0	0
9757.5	139.5345	0.2445	0.1178	0	0
9758	140.4321	0.2553	0.0791	0	0
9758.5	142.0983	0.224	0.0327	0	0
9759	139.325	0.2029	-0.0066	0	0
9759.5	135.2361	0.1953	-0.02	0	0
9760	130.9759	0.1914	-0.0128	0	0
9760.5	129.0843	0.1855	-0.0019	0	0

9761	124.4328	0.1643	0.0137	0	0
9761.5	109.4629	0.1119	0.029	0	0
9762	88.6723	0.0618	0.0406	0.02455	0.012275
9762.5	75.9767	0.0371	0.0377	0.0561	0.02805
9763	78.0865	0.0321	0.0115	0.08675	0.043375
9763.5	93.7447	0.0417	0.0074	0	0
9764	112.8514	0.0733	0.0389	0	0
9764.5	123.374	0.1183	0.0552	0	0
9765	117.6055	0.1427	-0.0033	0	0
9765.5	100.568	0.1244	-0.0618	0	0
9766	87.6091	0.088	-0.0522	0.2167	0.10835
9766.5	92.5552	0.0756	0.0368	0	0
9767	110.4353	0.0977	0.1636	0	0
9767.5	126.4457	0.1864	0.247	0	0
9768	132.1905	0.2557	0.2257	0	0
9768.5	127.7208	0.2687	0.144	0	0
9769	123.9067	0.2796	0.1236	0	0
9769.5	123.1822	0.286	0.1391	0	0
9770	127.8095	0.2808	0.1414	0	0
9770.5	133.1694	0.2788	0.1447	0	0
9771	136.7188	0.2858	0.1433	0	0
9771.5	138.0297	0.2886	0.1335	0	0
9772	134.7116	0.2909	0.1107	0	0
9772.5	132.1985	0.2976	0.0955	0	0
9773	129.7346	0.3019	0.1001	0	0
9773.5	128.0502	0.3012	0.1091	0	0
9774	125.1983	0.3	0.1052	0	0
9774.5	122.345	0.2865	0.0882	0	0
9775	120.3062	0.247	0.0605	0	0
9775.5	112.5081	0.2026	0.0444	0	0
9776	99.8855	0.1539	0.0419	0	0
9776.5	90.1102	0.1029	0.0387	0	0
9777	87.3943	0.066	0.0278	0.0059	0.00295
9777.5	85.3773	0.0442	0.0064	0.00455	0.002275

9778	74.9247	0.034	-0.0019	0.0089	0.00445
9778.5	56.5705	0.0302	-0.0184	0.01505	0.007525
9779	41.2568	0.0297	-0.0206	0.0224	0.0112
9779.5	34.9141	0.0315	-0.0137	0.03035	0.015175
9780	39.1405	0.0376	-0.0075	0.03635	0.018175
9780.5	49.4679	0.0459	-0.0011	0.04665	0.023325
9781	60.0825	0.0544	0.0063	0.05815	0.029075
9781.5	66.8595	0.0598	0.0129	0.08395	0.041975
9782	70.7075	0.0644	0.0289	0.1284	0.0642
9782.5	76.908	0.0763	0.04	0.2281	0.11405
9783	91.3404	0.1088	0.0591	0	0
9783.5	106.3377	0.1801	0.0767	0	0
9784	119.4412	0.2945	0.1617	0	0
9784.5	124.3056	0.2671	0.2522	0	0
9785	124.2376	0.1347	0.2951	0	0
9785.5	116.0555	0.0656	0.211	0	0
9786	94.3843	0.0403	0.0871	0	0
9786.5	67.0438	0.0281	0.0163	0.00645	0.003225
9787	43.4624	0.0223	-0.0161	0.01175	0.005875
9787.5	34.8139	0.0203	-0.0134	0.0224	0.0112
9788	37.4075	0.0244	-0.0115	0.03845	0.019225
9788.5	42.2863	0.0337	-0.0102	0.07105	0.035525
9789	49.5225	0.0469	-0.0021	0.1091	0.05455
9789.5	59.844	0.0664	0.0105	0.12695	0.063475
9790	73.9169	0.1057	0.0364	0.1088	0.0544
9790.5	88.1247	0.1552	0.063	0.07505	0.037525
9791	97.1438	0.1774	0.0765	0	0
9791.5	97.8039	0.175	0.0426	0	0
9792	91.3463	0.1424	0.0077	0	0
9792.5	80.5604	0.0956	0.012	0.0374	0.0187
9793	72.1061	0.0642	0.0334	0.0338	0.0169
9793.5	65.2318	0.0515	0.0388	0.0353	0.01765
9794	60.3971	0.0521	0.0227	0.0362	0.0181
9794.5	57.9679	0.0574	0.0102	0.04255	0.021275

9795	59.9816	0.0658	0.0048	0.0516	0.0258
9795.5	66.2775	0.0766	-0.0042	0.0504	0.0252
9796	72.3348	0.0871	-0.002	0.0463	0.02315
9796.5	76.0488	0.0911	0.0121	0.066	0.033
9797	79.0706	0.0958	0.005	0.1099	0.05495
9797.5	83.61	0.1138	-0.0212	0.1402	0.0701
9798	89.1881	0.1539	-0.0219	0.13635	0.068175
9798.5	95.662	0.1919	0.0279	0	0
9799	101.6468	0.2106	0.0698	0	0
9799.5	103.6442	0.1862	0.0865	0	0
9800	97.5858	0.1413	0.076	0	0
9800.5	90.1176	0.1084	0.0336	0	0
9801	87.1514	0.0873	-0.0024	0.06005	0.030025
9801.5	89.3104	0.0758	-0.0132	0.10645	0.053225
9802	96.8566	0.0721	0.0069	0	0
9802.5	107.5825	0.0917	0.0284	0	0
9803	120.0386	0.156	0.0569	0	0
9803.5	128.335	0.2258	0.1061	0	0
9804	136.4765	0.2286	0.1647	0	0
9804.5	148.3952	0.1834	0.1677	0	0
9805	151.4106	0.1445	0.1125	0	0
9805.5	140.0291	0.1291	0.0453	0	0
9806	120.7557	0.1285	0.0041	0	0
9806.5	109.179	0.1399	0.0196	0	0
9807	107.7251	0.1506	0.0587	0	0
9807.5	108.262	0.1538	0.0494	0	0
9808	108.6653	0.1526	0.0139	0	0
9808.5	109.3489	0.1538	0.0327	0	0
9809	108.9551	0.152	0.0827	0	0
9809.5	107.6657	0.1396	0.0639	0	0
9810	107.5718	0.1339	0.0275	0	0
9810.5	109.484	0.1503	0.0267	0	0
9811	111.8969	0.1848	0.0147	0	0
9811.5	111.4551	0.2048	0.0594	0	0

9812	109.4888	0.2018	0.1563	0	0
9812.5	108.0441	0.1953	0.1779	0	0
9813	107.7678	0.2012	0.1101	0	0
9813.5	108.004	0.2272	0.1242	0	0
9814	108.004	0.2582	0.2454	0	0
9814.5	108.004	0.2487	0.3068	0	0
9815	108.004	0.1881	0.2215	0	0
9815.5	108.004	0.1237	0.0855	0	0
9816	108.004	0.0802	0.0127	0	0
9816.5	108.004	0.0846	0.0384	0	0
9817	108.004	0.0939	0.172	0	0
9817.5	108.004	0.0774	0.2834	0	0
9818	108.004	0.058	0.2438	0	0
9818.5	108.004	0.0501	0.0923	0	0
9819	108.004	0.0505	0.0908	0	0
9819.5	108.004	0.0492	0.1886	0	0
9820	108.004	0.0478	0.199	0	0
9820.5	108.004	0.0479	0.1533	0	0
9821	108.004	0.0476	0.0807	0	0
9821.5	108.004	0.0488	0.0185	0	0
9822	108.004	0.0512	-0.01	0	0
9822.5	108.004	0.0519	-0.016	0	0
9823	108.004	0.0515	-0.0092	0	0
9823.5	108.004	0.0513	-0.0071	0	0
9824	108.004	0.0498	-0.0078	0	0
9824.5	108.004	0.0475	-0.0128	0	0
9825	108.004	0.045	-0.0164	0	0
9825.5	108.004	0.0439	-0.0102	0	0
9826	108.004	0.0437	-0.0051	0	0
9826.5	108.004	0.0437	-0.0058	0	0
9827	108.004	0.0438	-0.0101	0	0
9827.5	108.004	0.0438	-0.0167	0	0
9828	108.004	0.0438	0.0217	0	0
9828.5	108.004	0.044	0.1113	0	0

9829	108.004	0.0413	0.2134	0	0
9829.5	108.004	0.0389	0.24	0	0
9830	108.004	0.0386	0.1919	0	0
9830.5	108.004	0.0386	0.1566	0	0
9831	108.004	0.0386	0.149	0	0
9831.5	108.004	0.0385	0.153	0	0
9832	108.004	0.0385	0.1566	0	0
9832.5	108.004	0.0385	0.1581	0	0
9833	108.004	0.0385	0.1567	0	0
9833.5	108.004	0.0385	0.156	0	0
9834	108.004	0.0385	0.1578	0	0
9834.5	108.004	0.0385	0.1602	0	0
9835	108.004	0.0385	0.1613	0	0
9835.5	108.004	0.0385	0.1535	0	0
9836	108.004	0.0385	0.1475	0	0
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