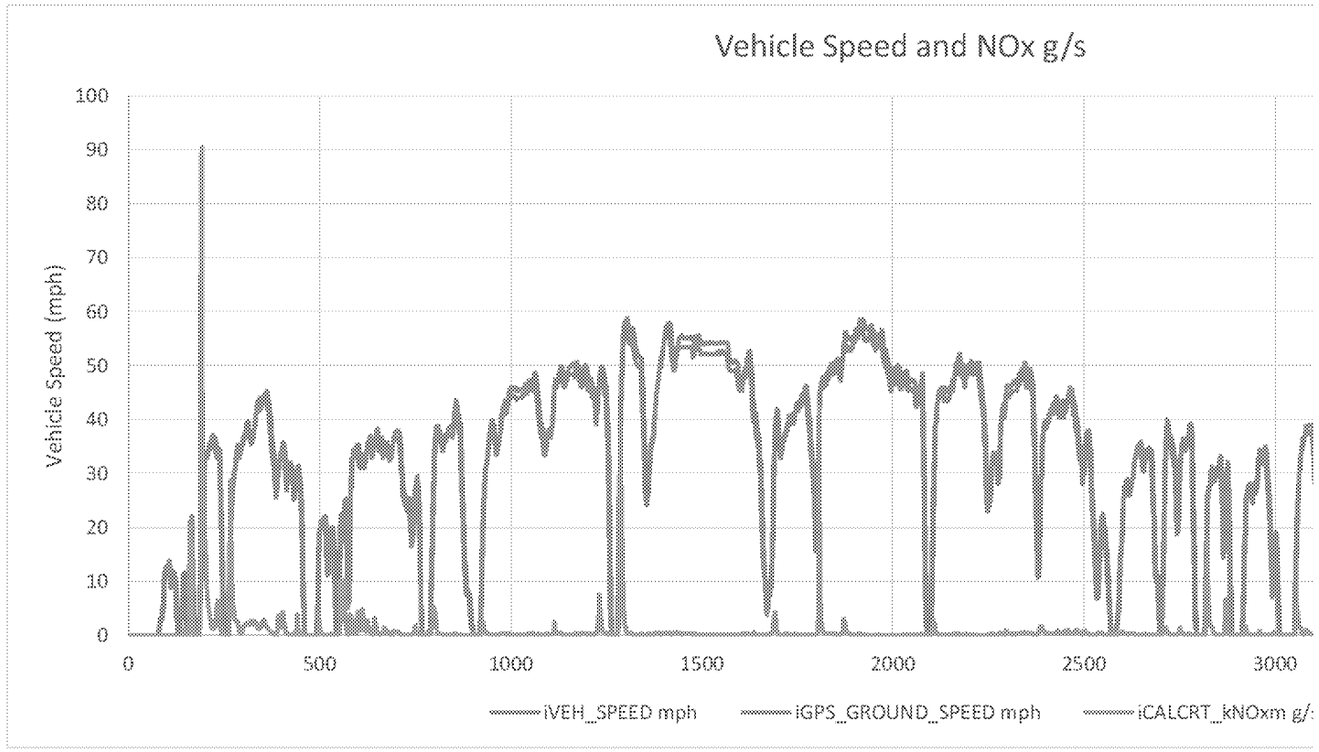
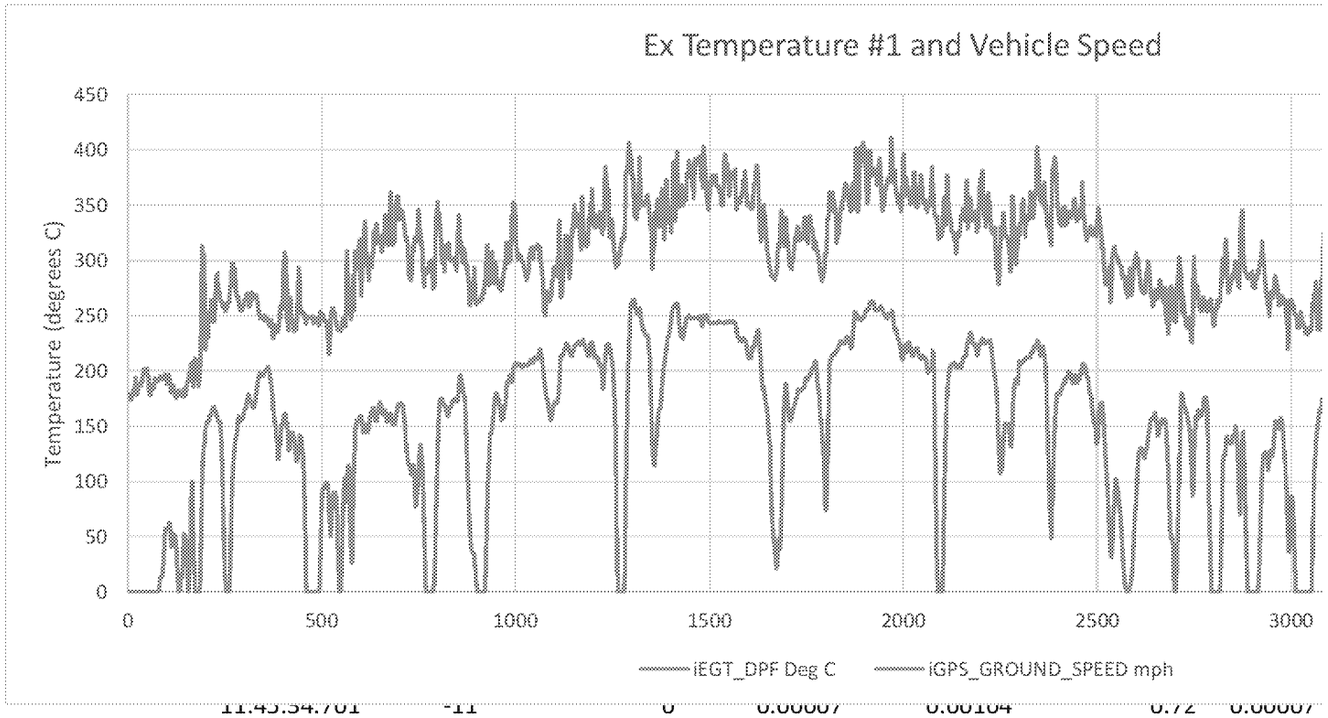
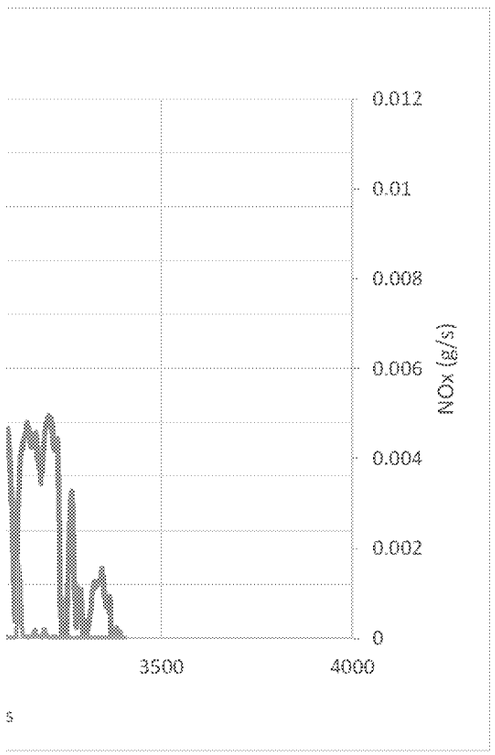
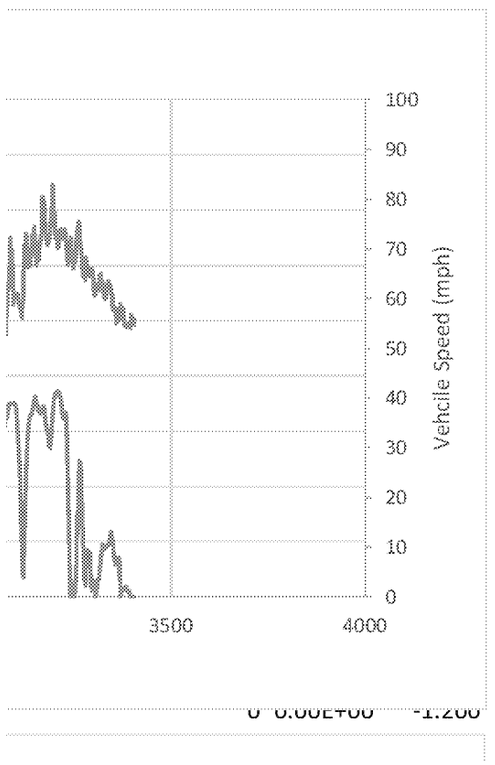
Test Duration (s)	3404
Calculated Test Duration (s)	3404
Average Ambient Temperature (deg C)	-11.92
Calculated Average Ambient Temperature (deg C)	-11.92
Total Distance Traveled (mi)	28.772
Calculated Total Distance Traveled (mi)	29.834
Total Fuel Consumed (gal)	1.177
Calculated Total Fuel Consumed (gal)	1.177
Overall Fuel Economy (mpg)	24.45
Calculated Overall Fuel Economy (mpg)	25.35
CO2 (g)	12175.48
Calculated CO2 (g)	12175.50
CO (g)	7.612
Calculated CO (g)	7.612
kNOx (g) (corrected NOx)	0.375
Calculated kNOx (g) (corrected NOx)	0.375
THC (g)	0.355
Calculated THC (g)	0.355
CO2 (g/mi)	423.2
Calculated CO2 (g/mi)	408.1
CO (g/mi)	0.265
Calculated CO (g/mi)	0.255
kNOx (g/mi) (corrected NOx)	0.013
Calculated kNOx (g/mi) (corrected NOx)	0.013
THC (g/mi)	0.012
Calculated THC (g/mi)	0.012
1st Measured ECT (deg)	188.1
Test Start Time	11:44:51.701
Test Stop Time	12:41:34.701
Average Speed (mph)	31.6
Regeneration Event?	No
Average SCR temp (deg)	302.9
Test Date	12/28/2017
Vehicle	2012 Audi Q7 Blk

sTIME	iSCB_LAT	iCALCRT_kNOxm	iCALCRT_HCm	iCALCRT_COm	iCALCRT_CO2m	iWfgps
hh:mm:ss.xxx	deg C	g/s	g/s	g/s	g/s	gal/s
11:44:51.701	-11	0	0	0.00001	0	0



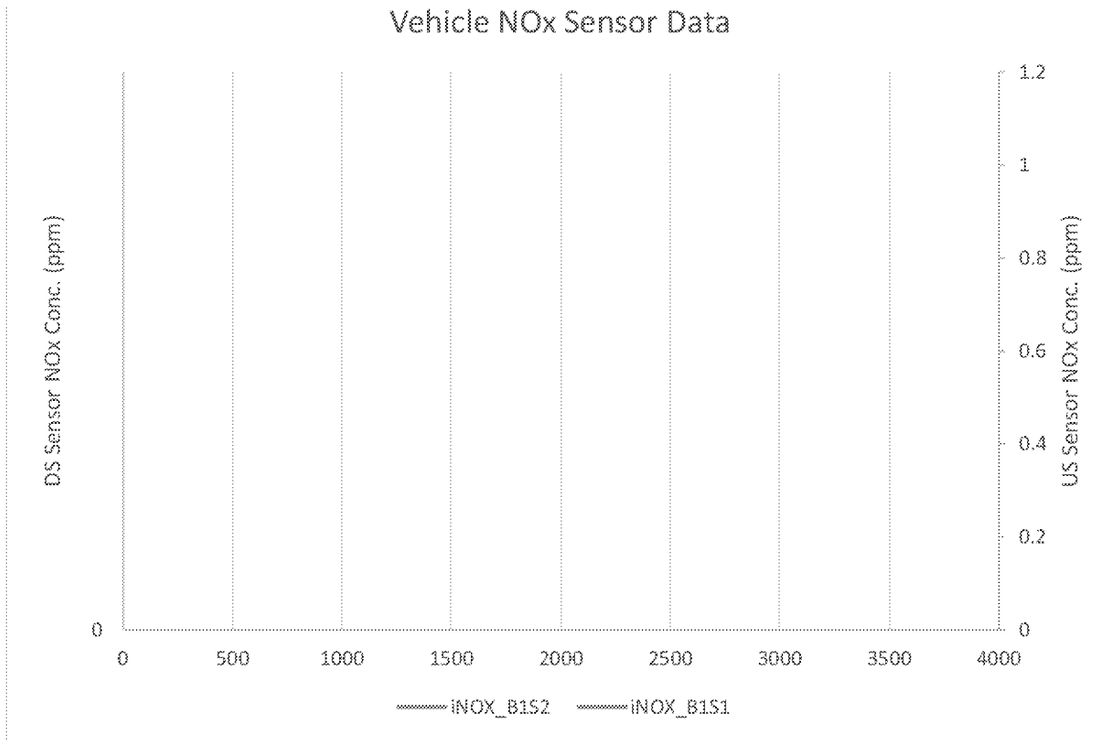


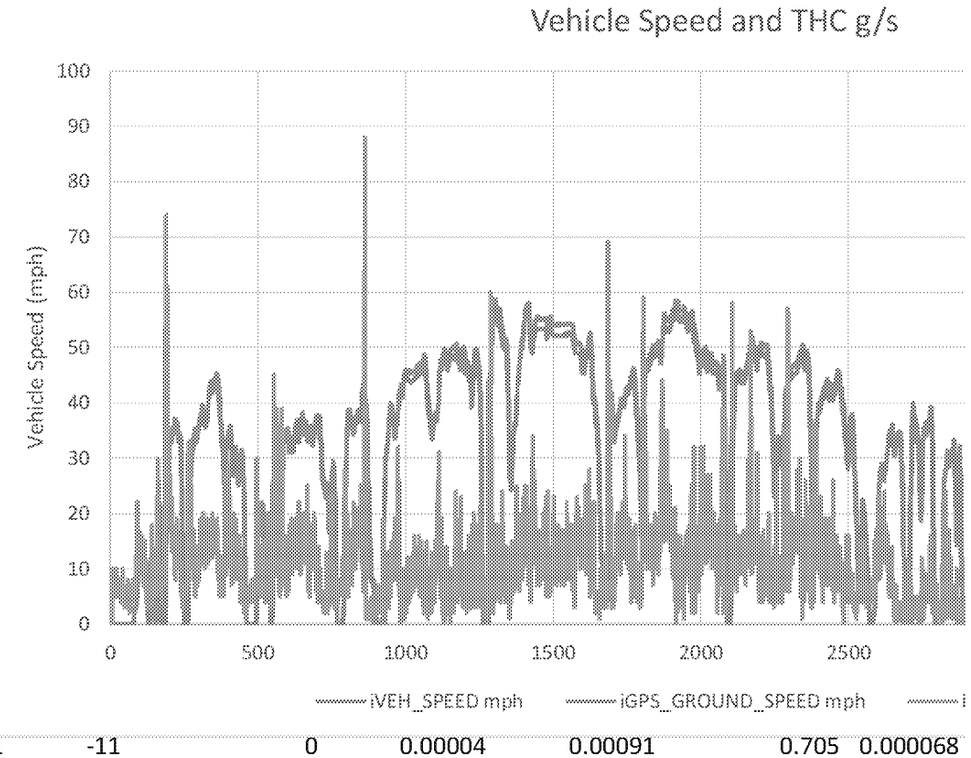




iGPS_GROUND_SPEED mph	ikNOxzw ppm	iNDUV_NO ppm	iNDUV_NO2 ppm	ikNOzw ppm	ikNO2zw ppm	iFID_THC ppmC	iCOOL_TEMP ECT deg F	iMAF g/s	iENG_SPEED rpm	iVEH_SPEED mph	iENG_LOAD %	iEGT_DPF Deg C	iEGT_11 Deg C	iNOX_B1S1
0	-	-1.000	-0.400	0.000	0.000	6.700								
			-0.400	0.000	0.000	9.800								
			-0.400	0.000	0.000	7.900								
			-0.400	0.000	0.000	7.200								
			-0.500	0.000	0.000	8.400		2.57403	0	0		179.219737	187.15375	
			-0.500	0.000	0.000	5.000		2.49	0	0	0	178.038462	186.989024	
			-0.500	0.000	0.000	10.800		4.42384	273	0	3.5	174.112632	186.392105	
			-0.500	0.000	0.000	5.400		26.05067	861	0	14.7	175.533573	183.502747	
			-0.400	0.000	0.000	9.400	188.1	15.569	792	0	17.3	177.335884	174.15	
			-0.400	0.000	0.000	8.300	186.8	14.04336	761	0	34.4	176.148077	170.457317	
			-0.400	0.000	0.000	11.700	185.5	14.36135	795	0	35	177.10593	169.452247	
			-0.400	0.000	0.000	11.100	184.2	14.00298	781	0	34.9	179.411804	168.059736	
			-0.400	0.000	0.000	8.100		13.85847	778	0	34.6	181.3	166.821627	
			-0.400	0.000	0.000	11.900		13.9207	778	0	34.9	181.879962	165.635714	
			-0.400	0.000	0.000	7.500		13.92102	781	0	34.5	182.369942	164.440719	
			-0.400	0.000	0.000	12.400		13.85673	780	0	34.5	183.753685	164	
			-0.400	0.000	0.000	9.300		13.87106	779	0	34.1	183.725	163.190518	
			-0.400	0.000	0.000	9.400	181.3	13.83954	777	0	34.1	185.319318	161.96427	
			-0.400	0.000	0.000	9.500	180.9	13.91696	779	0	33.7	189.5	161.137029	
			-0.400	0.000	0.000	9.900	180.5	13.95415	779	0	33.6	193.805441	160.481046	
			-0.400	0.000	0.000	15.100	180.1	13.77713	780	0	33.6	185.880625	159.731463	
			-0.400	0.000	0.000	7.400	179.7	13.74746	778	0	33.7	186.746451	159.2	
			-0.400	0.000	0.000	12.600	179.3	13.74668	780	0	33.4	181.426942	159.071661	
			-0.400	0.000	0.000	8.700	179	13.88042	778	0	33.6	181.11357	158.6	
			-0.400	0.000	0.000	10.200	178.6	13.80848	779	0	33.4	178.241895	158.424098	
			-0.400	0.000	0.000	9.800	178.2	13.99023	778	0	33.3	183.125943	158.1	
			-0.400	0.000	0.000	9.100		13.82536	780	0	33.3	186.429868	157.738194	
			-0.400	0.000	0.000	10.400		13.84254	778	0	33.3	186.61875	157.4	
			-0.400	0.000	0.000	7.400		13.808	784	0	32.9	186.003365	157.075835	
			-0.400	0.000	0.000	12.600		13.85168	776	0	32.9	186.661667	156.466109	
			-0.400	0.000	0.000	7.400		13.95771	783	0	32.5	187.932212	156.545255	
			-0.400	0.000	0.000	12.100	177.8	13.86	779	0	32.5	187.309291	156.461765	
			-0.500	0.000	0.000	12.600	177.8	13.74835	780	0	32.2	187.497688	155.867333	
			-0.500	0.000	0.000	10.200	177.8	13.82238	779	0	32.9	186.989054	155.926523	
			-0.500	0.000	0.000	11.000	177.8	13.93182	780	0	32.9	187.385	155.872171	
			-0.500	0.000	0.000	6.400	177.8	13.88429	777	0	32.6	192.294434	155.963934	
			-0.500	0.000	0.000	12.000	177.8	13.90949	781	0	32.9	191.376996	155.825	
			-0.500	0.000	0.000	7.200	177.8	13.83106	780	0	32.9	190.2125	155.6	
			-0.500	0.000	0.000	9.600	177.8	13.95649	781	0	32.2	192.277262	155.211957	
			-0.500	0.000	0.000	13.000	177.8	13.88681	778	0	32.5	199.326531	155	
			-0.500	0.000	0.000	14.800	177.8	13.78462	781	0	32.7	198.367647	155.469515	
			-0.500	0.000	0.000	11.500		13.84548	778	0	32.8	201.906154	155.094463	
			-0.500	0.000	0.000	6.300		13.82616	780	0	32.5	201.892308	155	
			-0.500	0.000	0.000	10.700		13.86306	779	0	32.4	201.208955	155	
			-0.500	0.000	0.000	6.300		13.89473	780	0	32.3	201.012121	155	

iNOX_B1S2	sDPF_REGEN	iCOM_EGR	Accum kNOx	Accum THC	Accum CO	Accum CO2
	Regen 0/1		g	g	g	g
			0	0	0.00001	0
			0	0	0.00002	0
			0	0	0.00003	0
			0	0	0.00004	0
			0	0	0.00005	0
			0	0	0.00009	0.001
			0	0.0001	0.00217	0.352
			0	0.00017	0.00656	1.213
			0	0.00025	0.01207	1.991
			0	0.00031	0.01675	2.797
			0	0.00039	0.01977	3.465
			0	0.00047	0.02171	4.016
			0	0.00053	0.02318	4.604
			0	0.00061	0.02443	5.285
			0	0.00066	0.02564	6.036
			0	0.00074	0.02677	6.82
			0	0.0008	0.02783	7.605
			0	0.00086	0.02887	8.41
			0	0.00092	0.0298	9.216
			0	0.00099	0.03073	10.003
			0	0.00109	0.03175	10.776
			0	0.00114	0.03281	11.547
			0	0.00122	0.03387	12.313
			0	0.00128	0.03492	13.069
			0	0.00135	0.03596	13.808
			0	0.00141	0.037	14.542
			0	0.00147	0.03805	15.282
			0	0.00154	0.0391	16.018
			0	0.00159	0.04015	16.755
			0	0.00167	0.0412	17.492
			0	0.00172	0.04224	18.224
			0	0.0018	0.04328	18.951
			0	0.00188	0.04432	19.678
			0	0.00195	0.04537	20.407
			0	0.00202	0.04641	21.125
			0	0.00206	0.04745	21.842
			0	0.00214	0.04849	22.56
			0	0.00219	0.04953	23.274
			0	0.00225	0.05057	23.986
			0	0.00234	0.05161	24.699
			0	0.00244	0.05265	25.412
			0	0.00252	0.05369	26.128
			0	0.00256	0.05473	26.846
			0	0.00263	0.05577	27.566
			0	0.00267	0.05672	28.283





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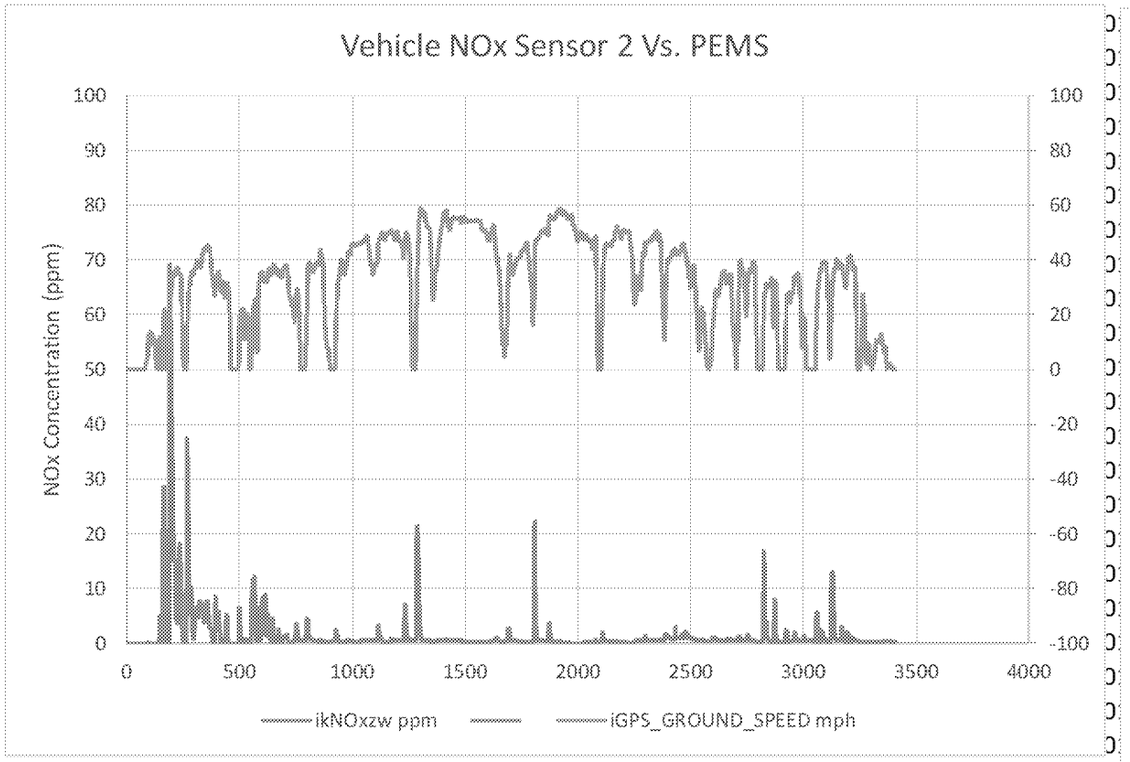
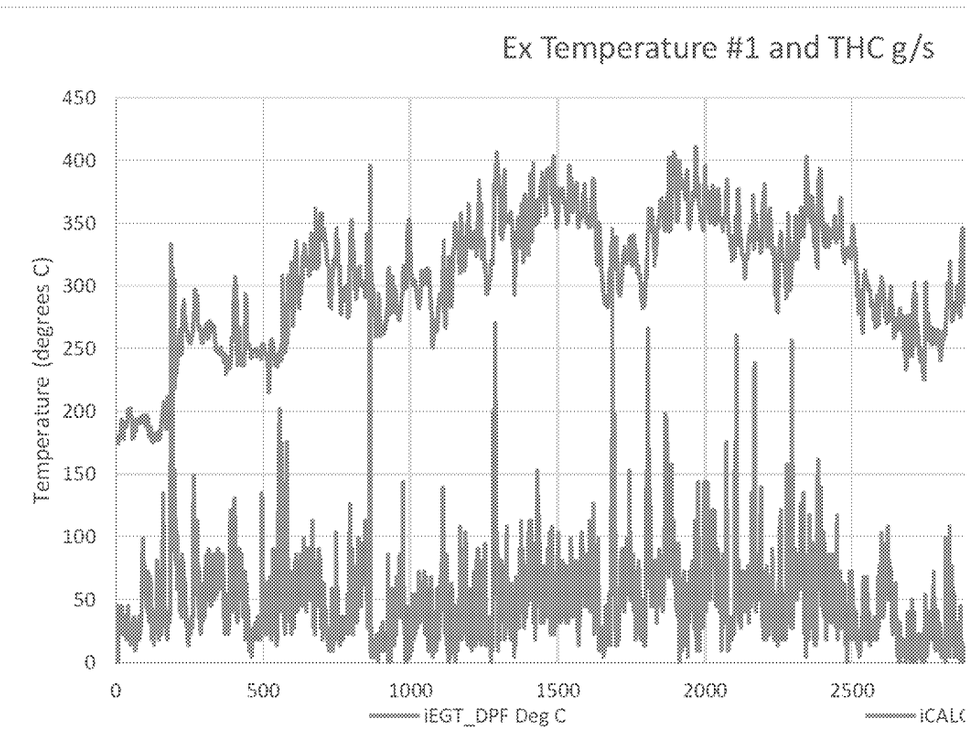
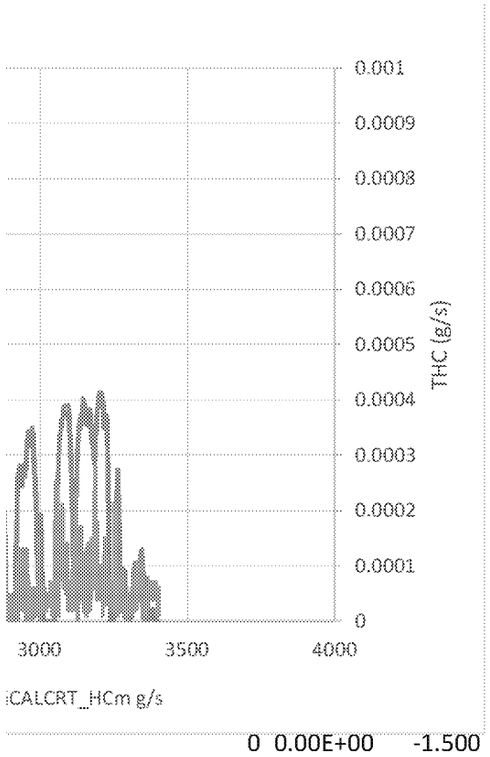




11:46:20.701 -11 0 0.00018 0.00151 2.859 0.000276

Accumulated CO and Vehicle Speed

Accumulated CO2 and Vehicle Spee



-0.600	0.000	0.000	9.500		13.6924	778	0	32.5	200.171103	154.507965
-0.600	0.000	0.000	7.300	177.8	13.79371	781	0	32.5	199.170888	154.879648
-0.600	0.000	0.000	7.900	177.8	13.80258	779	0	32.5	199.123077	155
-0.600	0.000	0.000	8.100	177.8	13.6725	778	0	32.5	202.141164	154.46882
-0.600	0.000	0.000	4.300	177.8	13.96972	781	0	32.5	201.246894	154.4
-0.600	0.000	0.000	8.700	177.8	13.78451	775	0	32.5	197.247347	154.4
-0.600	0.000	0.000	5.600	177.8	13.96876	780	0	32.5	196.737008	154.4
-0.600	0.000	0.000	7.500	177.8	13.75146	777	0	31.9	194.181628	154.965834
-0.600	0.000	0.000	6.300	177.8	13.98838	776	0	32.2	193.581628	154.4
-0.600	0.000	0.000	7.900	177.8	13.83064	780	0	31.8	183.507692	154.522772
-0.600	0.000	0.000	10.300	177.8	13.69267	776	0	32.4	179.451923	154.815333
-0.700	0.000	0.000	7.200	177.8	13.7571	778	0	32.2	178.707736	154.4
-0.700	0.000	0.000	10.100	177.8	13.91327	779	0	32.5	178.197813	154.4
-0.700	0.000	0.000	8.100	177.8	14.02244	780	0	32.5	179.254948	154.608777
-0.700	0.000	0.000	11.500	177.8	13.78365	779	0	32.9	183.20183	154.749333
-0.700	0.000	0.000	8.300		13.77	779	0	32.5	187.310283	154.4
-0.700	0.000	0.000	9.900		13.69154	779	0	32.5	186.551154	154.4
-0.800	0.000	0.000	7.500		13.93179	777	0	32.5	186.341522	154.4
-0.800	0.000	0.000	2.300		13.88556	781	0	32.5	186.228717	154.4
-0.700	0.000	0.000	6.600		13.93947	779	0	32.5	185.554537	154.4
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-0.800	0.000	0.000	5.100	177.8	13.88506	778	0	32.6	184.084276	154.72443
-0.700	0.000	0.000	8.600	177.8	13.81208	778	0	32.6	188.408869	155
-0.700	0.000	0.000	9.000	177.8	13.73308	778	0	32.8	193.49272	154.556943
-0.700	0.000	0.000	7.700		13.76692	779	0	32.6	193.411516	154.853746
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-0.700	0.000	0.000	10.900		13.01245	789	0	33.2	192.037449	155
-0.700	0.000	0.000	8.300		12.63019	767	0	34.3	192.217803	154.55905
-0.700	0.000	0.000	10.800	177.8	12.91615	779	0	34.8	190.658238	154.833564
-0.700	0.000	0.000	9.700	177.8	11.80769	775	0	36	190.645298	154.569031
-0.700	0.000	0.000	7.100	177.8	11.19435	767	0	46.4	190.172427	156.124925
-0.700	0.000	0.000	11.800	177.8	14.6112	933	0.189	62.2	191.12	160.753768
-0.700	0.000	0.000	8.200	177.8	13.90145	893	1.24	56	191.419586	165.599313
-0.700	0.000	0.000	12.600	177.8	12.75231	821	1.395	50.3	191.616603	169.559259
-0.700	0.000	0.000	9.300	177.8	12.19636	785	2.48	50	193.767955	172.863952
-0.700	0.000	0.000	11.600	177.8	11.75955	769	2.812	48.1	195.28375	174.032
-0.700	0.000	0.000	11.100	177.8	12.22	775	3.11	49.3	194.933403	174.1
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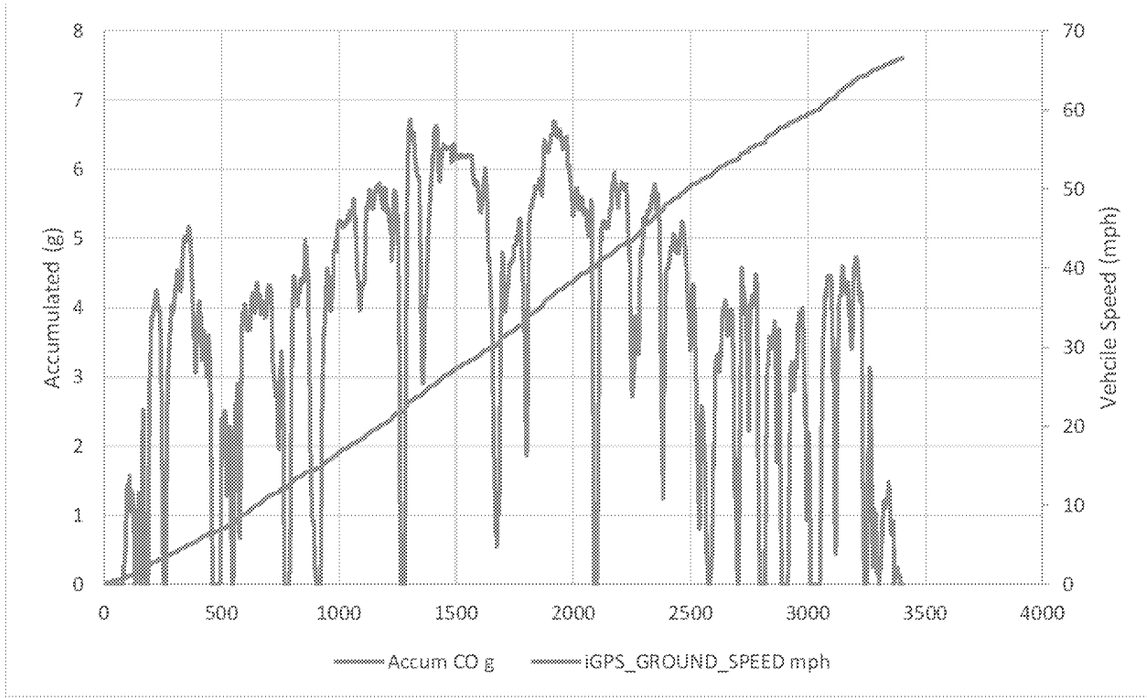
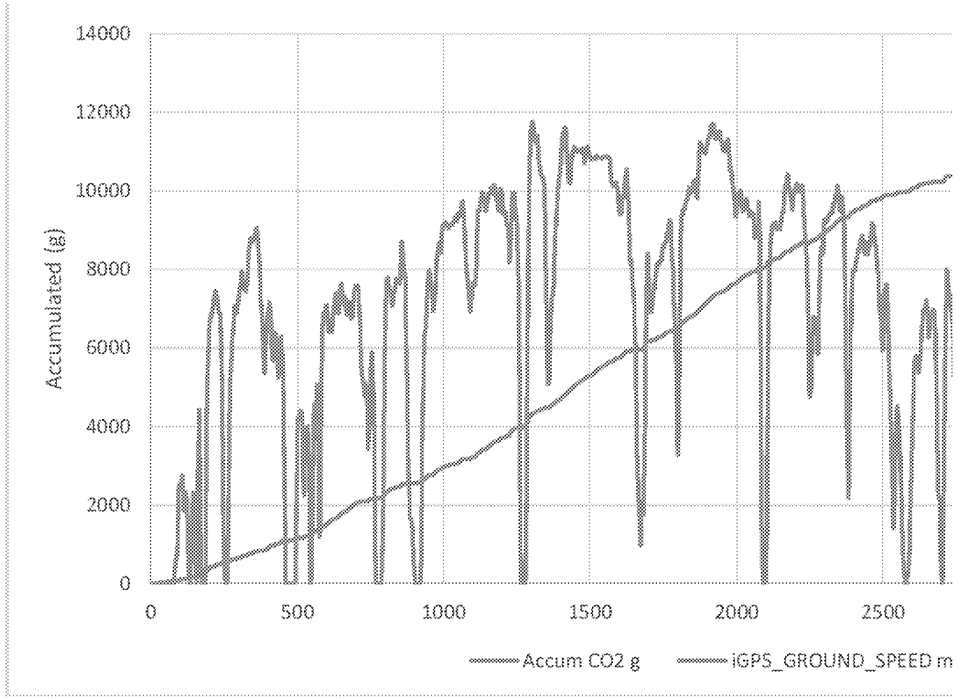
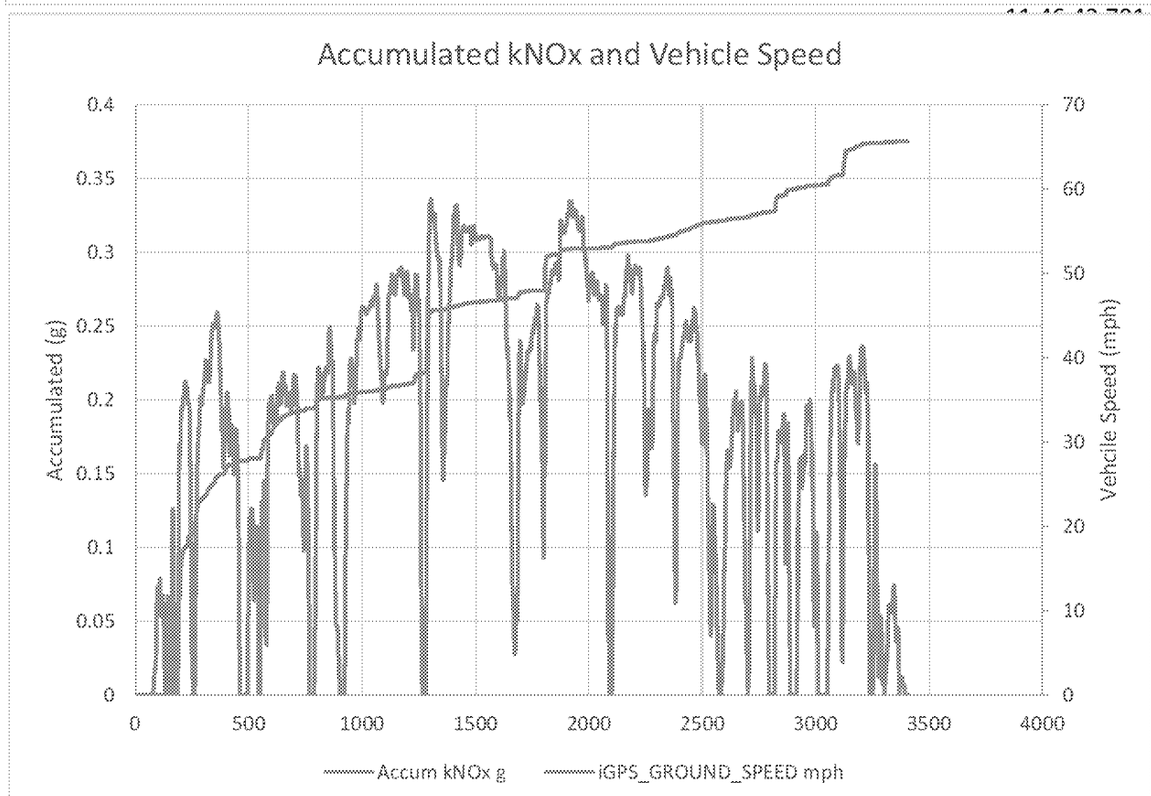
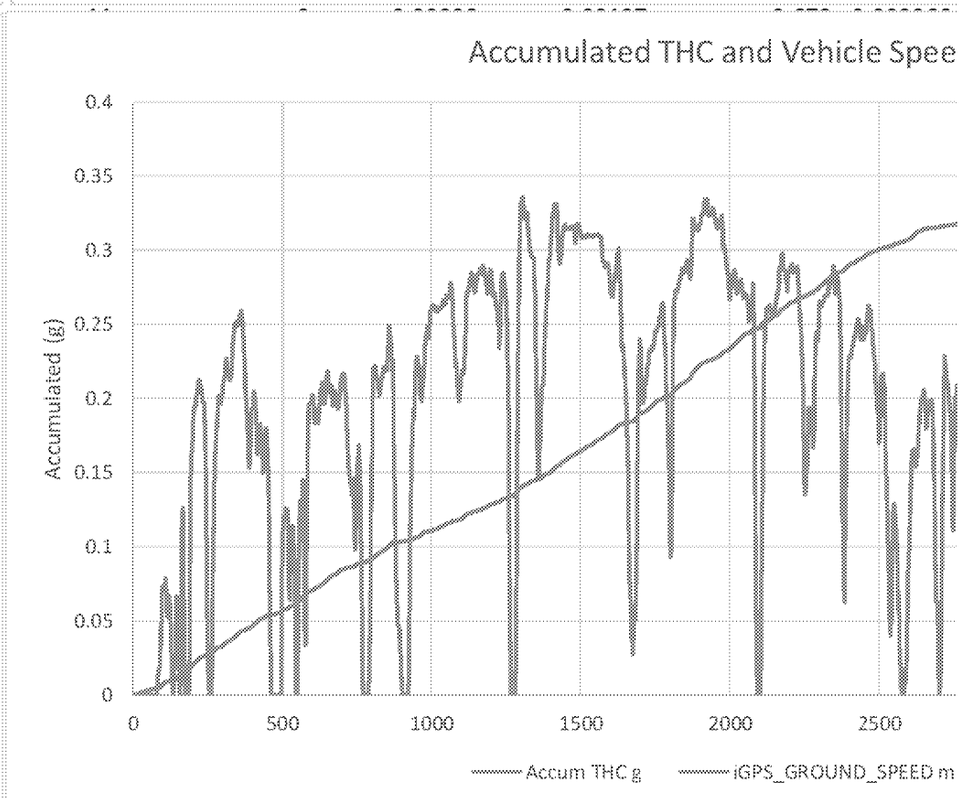
-0.600	0.000	0.000	15.000	177.8	11.99	792	3.11	52.2	193.834316	175.8502
-0.600	0.000	0.000	11.200	177.8	13.49584	964	3.11	65.9	193.2825	177.552252
-0.600	0.000	0.000	16.600	177.8	16.85852	1155	3.73	80.8	193.711959	183.645829
-0.600	0.000	0.000	12.500	177.8	22.86271	1304	4.762	78.4	193.1762	192.464388
-0.600	0.000	0.000	15.700	177.8	24.11574	1400	5.38	65.9	193.516176	201.6548
-0.600	0.000	0.000	15.800	178	28.11	1587	7.24	64.8	192.665684	209.9358
-0.600	0.000	0.000	14.300	178.3	33.77	1606	8.479	69.1	193.082143	221.8118

0	0.00273	0.05763	29.003
0	0.00278	0.05855	29.723
0	0.00283	0.05949	30.438
0	0.00288	0.06052	31.148
0	0.00291	0.06145	31.858
0	0.00297	0.06236	32.569
0	0.00301	0.06327	33.277
0	0.00306	0.06419	33.991
0	0.0031	0.0651	34.7
0	0.00315	0.06601	35.406
0	0.00322	0.06691	36.106
0	0.00327	0.06782	36.809
0	0.00334	0.06873	37.516
0	0.00339	0.06969	38.224
0	0.00347	0.07071	38.931
0	0.00353	0.07162	39.639
0	0.0036	0.07253	40.345
0	0.00365	0.07344	41.051
0	0.00367	0.07436	41.758
0	0.00371	0.07527	42.462
0	0.00373	0.07618	43.165
0	0.00377	0.07709	43.87
0	0.0038	0.07801	44.579
0	0.00386	0.07892	45.287
0	0.00392	0.07983	45.998
0	0.00397	0.08074	46.712
0	0.00403	0.08165	47.424
0	0.00408	0.08256	48.132
0	0.00415	0.08342	48.803
0	0.0042	0.08426	49.458
0	0.00427	0.08511	50.12
0	0.00433	0.08592	50.749
0	0.00437	0.08669	51.371
0	0.00445	0.08748	52.115
0	0.0045	0.08826	52.876
0	0.00458	0.08907	53.646
0	0.00463	0.08998	54.492
0	0.00469	0.09081	55.46
0	0.00475	0.09144	56.548
0	0.00481	0.09198	57.67
0	0.0049	0.09263	58.832
0	0.00498	0.09342	60.182
0	0.00512	0.09447	61.792
0	0.00525	0.09586	63.901
0	0.00543	0.09737	66.76
0	0.00565	0.09893	70.493
0	0.00586	0.10011	74.487

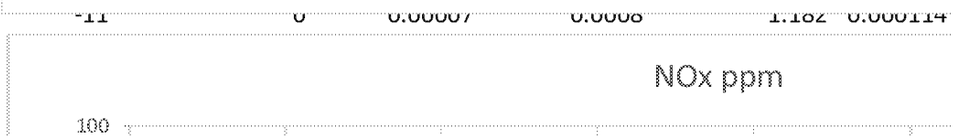

Accumulated (g)
Vehicle Speed (mph)
Accum CO g
iGPS_GROUND_SPEED mph

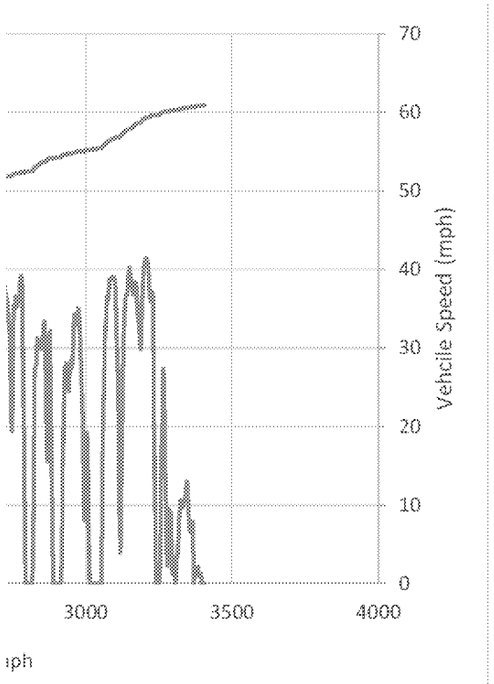

Accumulated (g)
Accum CO2 g
iGPS_GROUND_SPEED m

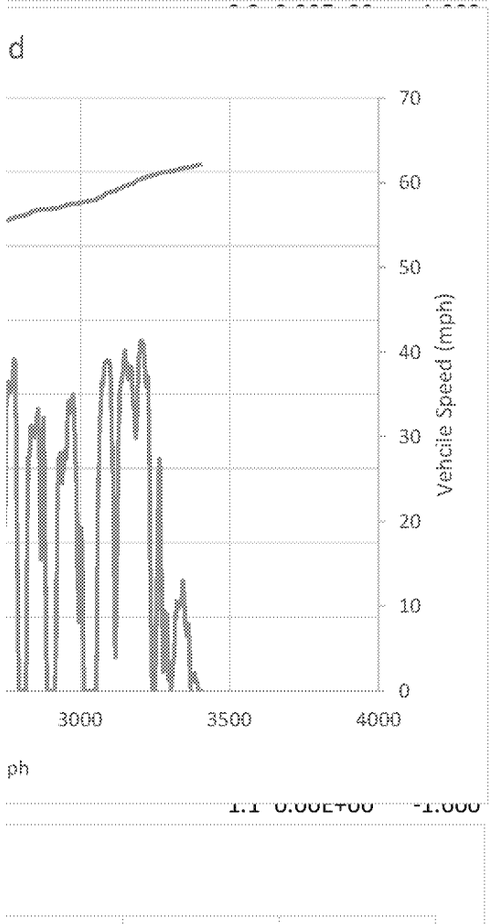

Accumulated kNOx and Vehicle Speed
Accumulated (g)
Vehicle Speed (mph)
Accum kNOx g
iGPS_GROUND_SPEED mph


Accumulated THC and Vehicle Spee
Accumulated (g)
Accum THC g
iGPS_GROUND_SPEED m

Engine Speed and EGR Command


NOx ppm





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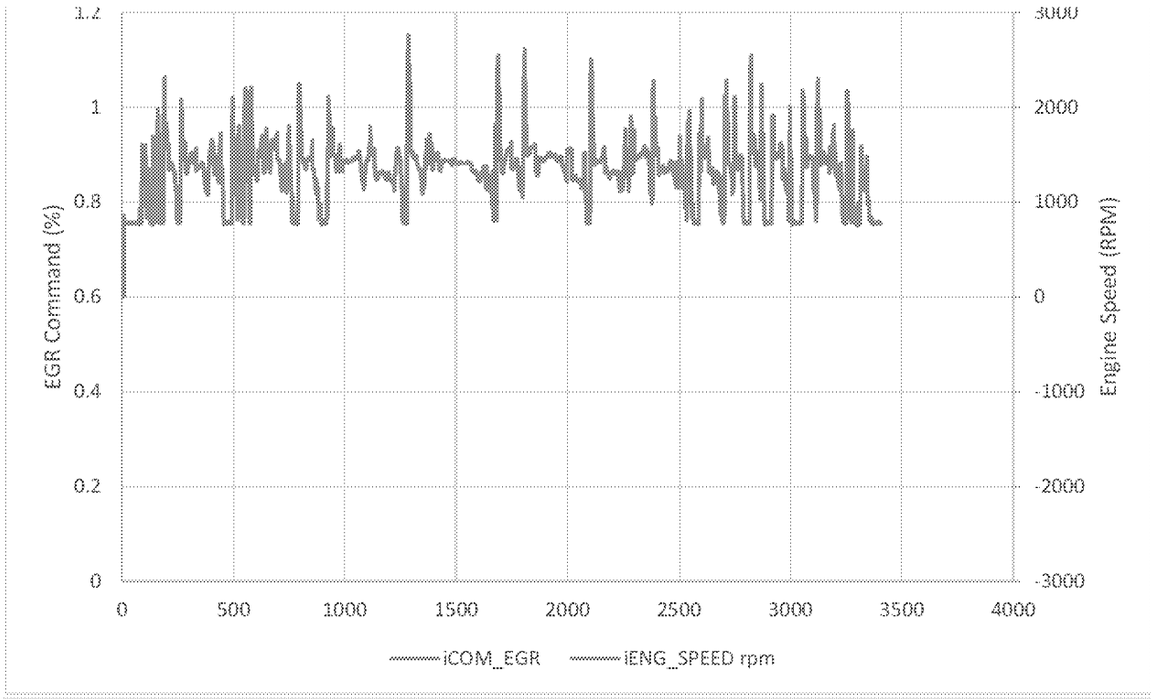

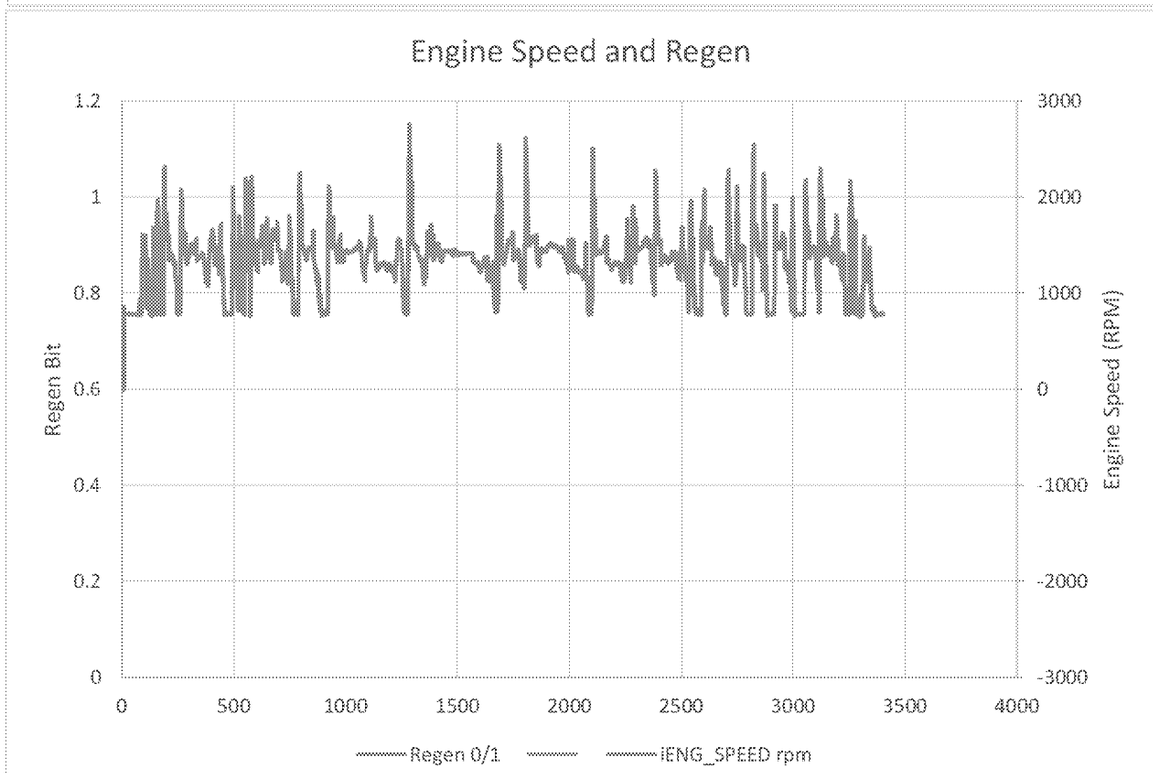

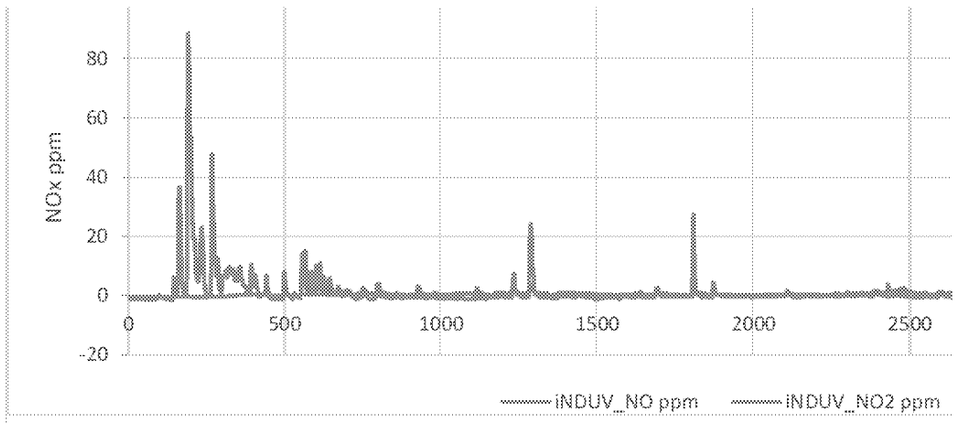

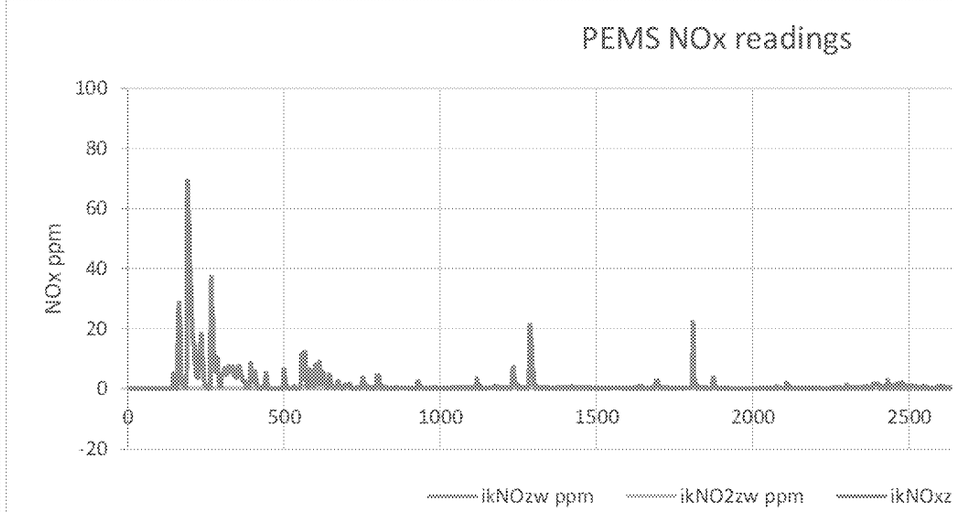

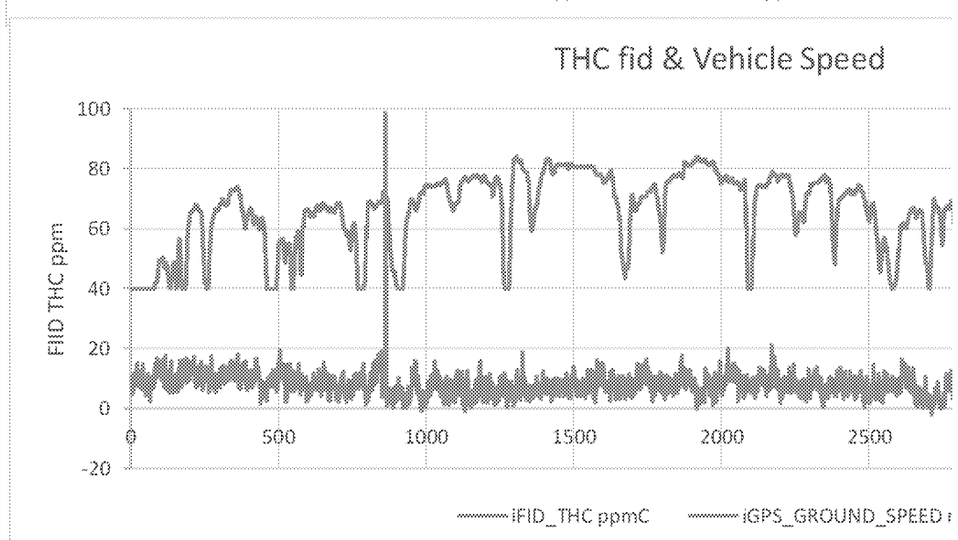

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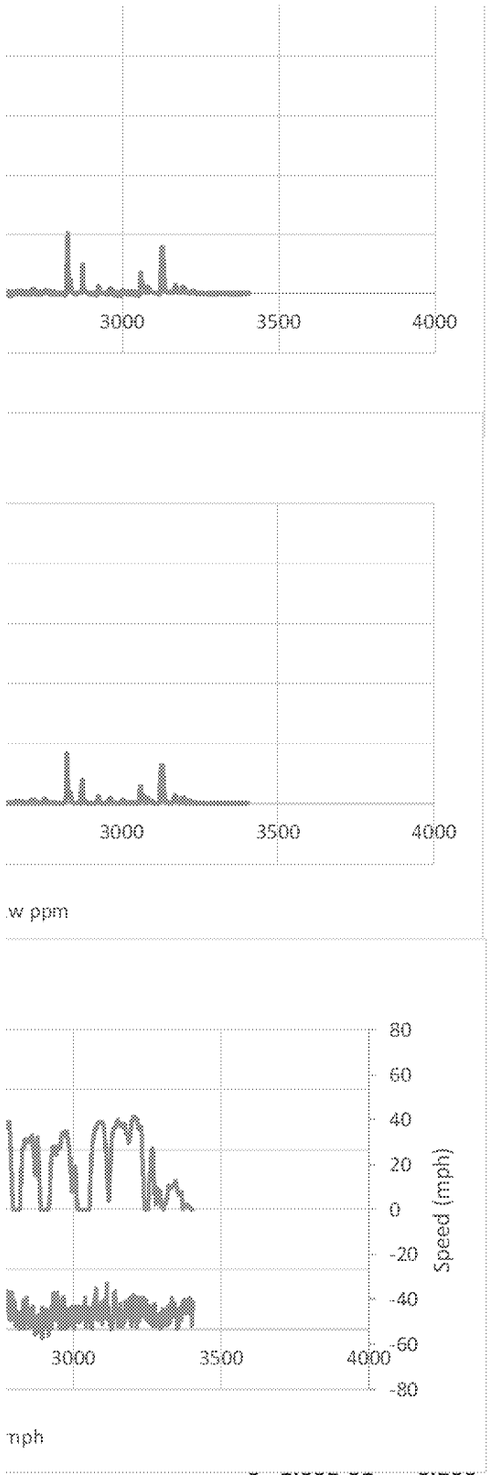

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11:48:00.701	-11	0.01059	0.00049	0.00824	14.366	0.001388
11:48:01.701	-11	0.01086	0.00061	0.00791	14.519	0.001402
11:48:02.701	-11	0.00685	0.00053	0.00493	9.198	0.000889
11:48:03.701	-11	0.00402	0.00028	0.00222	5.651	0.000546
11:48:04.701	-11	0.00359	0.0002	0.00229	5.15	0.000498
11:48:05.701	-11	0.00357	0.00022	0.00255	5.97	0.000577
11:48:06.701	-11	0.0037	0.00022	0.00378	7.939	0.000766
11:48:07.701	-11	0.00372	0.00034	0.00434	9.297	0.000897
11:48:08.701	-11	0.00377	0.00025	0.00362	9.374	0.000904
11:48:09.701	-11	0.00365	0.00026	0.00391	8.871	0.000856
11:48:10.701	-11	0.00315	0.00029	0.00351	7.535	0.000728
11:48:11.701	-11	0.00223	0.00021	0.0023	5.572	0.000538
11:48:12.701	-11	0.00178	0.00027	0.00212	5.051	0.000488
11:48:13.701	-11	0.0014	0.00018	0.00196	4.662	0.00045
11:48:14.701	-11	0.00103	0.00018	0.00143	3.773	0.000364
11:48:15.701	-11	0.00104	0.00017	0.00155	3.889	0.000376
11:48:16.701	-11	0.00098	0.00023	0.00192	4.065	0.000393
11:48:17.701	-11	0.00081	0.00023	0.00217	4.036	0.00039
11:48:18.701	-11	0.00073	0.00018	0.00206	3.995	0.000386
11:48:19.701	-11	0.00069	0.00022	0.00183	3.712	0.000359
11:48:20.701	-11	0.00057	0.00013	0.00152	3.047	0.000295
11:48:21.701	-11	0.00051	0.00015	0.00134	2.615	0.000253
11:48:22.701	-11	0.00049	0.00014	0.00116	2.461	0.000238
11:48:23.701	-11	0.00043	0.00016	0.00128	2.435	0.000236
11:48:24.701	-11	0.00034	0.00018	0.00136	2.454	0.000237
11:48:25.701	-11	0.00026	0.00014	0.00137	2.441	0.000236
11:48:26.701	-11	0.00022	0.00016	0.00148	2.348	0.000227
11:48:27.701	-11	0.00019	0.00009	0.00182	2.24	0.000217
11:48:28.701	-11	0.00016	0.00012	0.00115	2.123	0.000205
11:48:29.701	-11	0.00016	0.0001	0.00134	2.001	0.000194
11:48:30.701	-11	0.00015	0.0001	0.00158	1.903	0.000184
11:48:31.701	-11	0.00015	0.00009	0.00176	1.872	0.000181
11:48:32.701	-11	0.00014	0.00008	0.00189	1.855	0.00018
11:48:33.701	-11	0.00014	0.00015	0.00194	1.931	0.000187
11:48:34.701	-11	0.00015	0.00012	0.00231	2.386	0.000231
11:48:35.701	-11	0.00017	0.00019	0.00284	3.243	0.000314
11:48:36.701	-11	0.00021	0.00018	0.00254	3.835	0.000371
11:48:37.701	-11	0.00031	0.00018	0.00199	4.13	0.000399
11:48:38.701	-11.7	0.00043	0.00016	0.00162	4.04	0.00039
11:48:39.701	-11.3	0.00053	0.00014	0.00164	4.001	0.000387
11:48:40.701	-11.7	0.0006	0.00016	0.00186	4.053	0.000392
11:48:41.701	-11.3	0.00066	0.00012	0.00169	4.105	0.000397
11:48:42.701	-11	0.00074	0.00015	0.00156	4.05	0.000391
11:48:43.701	-11	0.00076	0.00012	0.00147	3.778	0.000365

2.1	6.20E+00	7.900	-0.400	6.203	0.000	13.000
4.3	3.45E+01	44.100	-0.400	34.505	0.000	16.700
11	5.98E+01	76.500	-0.400	59.776	0.000	8.600
12.9	6.81E+01	87.300	-0.400	68.123	0.000	10.500
19.3	6.91E+01	88.600	-0.400	69.141	0.000	12.900
20.8	6.56E+01	83.700	-0.400	65.587	0.000	16.700
25.7	6.13E+01	78.000	-0.500	61.265	0.000	14.300
26.4	6.05E+01	77.100	-0.500	60.456	0.000	11.400
28.5	5.48E+01	70.300	-0.500	54.846	0.000	11.100
28.8	4.66E+01	60.100	-0.500	46.553	0.000	9.100
29.7	4.22E+01	54.800	-0.500	42.182	0.000	12.800
29.7	4.16E+01	53.900	-0.500	41.554	0.000	9.300
30.1	4.15E+01	53.700	-0.500	41.536	0.000	9.800
32	4.00E+01	51.500	-0.500	40.036	0.000	12.100
33.3	3.61E+01	46.100	-0.500	36.081	0.000	11.000
33.4	3.07E+01	39.200	-0.500	30.742	0.000	15.700
33.8	2.67E+01	34.100	-0.500	26.662	0.000	11.300
33.9	2.42E+01	31.000	-0.500	24.232	0.000	14.200
34.2	2.29E+01	29.100	-0.500	22.881	0.000	12.600
34.1	1.98E+01	25.100	-0.500	19.756	0.000	15.200
33.9	1.63E+01	20.700	-0.600	16.294	0.000	15.500
34	1.50E+01	19.000	-0.600	15.000	0.000	12.200
34.2	1.49E+01	18.900	-0.600	14.942	0.000	15.700
34.5	1.50E+01	19.000	-0.600	15.007	0.000	11.300
35.3	1.50E+01	19.000	-0.600	15.045	0.000	14.700
35.3	1.49E+01	18.800	-0.600	14.921	0.000	14.000
35.2	1.27E+01	16.000	-0.600	12.726	0.000	15.400
35.3	1.01E+01	12.700	-0.600	10.116	0.000	17.200
35.7	7.60E+00	9.600	-0.600	7.606	0.000	13.200
35.9	6.20E+00	7.800	-0.600	6.217	0.000	14.900
36.4	5.30E+00	6.600	-0.600	5.309	0.000	8.500
36.6	4.60E+00	5.700	-0.600	4.598	0.000	11.000
37.1	4.40E+00	5.500	-0.600	4.425	0.000	9.400
37.1	4.30E+00	5.300	-0.600	4.273	0.000	9.500
37.2	4.10E+00	5.100	-0.600	4.115	0.000	8.300
37.1	4.00E+00	5.000	-0.600	4.033	0.000	7.100
36.9	3.90E+00	4.800	-0.600	3.868	0.000	13.700
36.8	3.80E+00	4.700	-0.600	3.788	0.000	10.200
36.6	3.70E+00	4.700	-0.500	3.747	0.000	13.900
36.5	4.50E+00	5.700	-0.500	4.474	0.000	12.300
36.2	6.50E+00	8.200	-0.500	6.462	0.000	12.700
36.1	8.90E+00	11.300	-0.500	8.869	0.000	11.200
35.6	1.10E+01	14.000	-0.500	11.031	0.000	9.900
35.4	1.25E+01	16.000	-0.500	12.543	0.000	11.400
34.9	1.39E+01	17.700	-0.500	13.899	0.000	8.400
34.8	1.60E+01	20.400	-0.500	15.996	0.000	10.900
34.5	1.76E+01	22.400	-0.500	17.566	0.000	9.400

185.2	73.97247	2038	8.463	80.9	204.041127	287.882549
185.6	90.4309	2163	12.203	77.4	211.579518	336.268662
186	99.09646	2304	16.833	74	235.356667	380.269473
186.4	97.13583	2265	20.337	73.9	266.079749	402.659192
186.8	100.23927	2319	22.936	73.8	305.86375	420.599237
	70.39486	2024	25.788	80.9	313.630461	424.369071
	39.98074	1632	27.001	80.7	306.24898	415.898332
	34.8187	1576	27.634	83	298.469819	405.493196
	42.64726	1605	28.273	92.4	301.7	401.491098
	50.55038	1649	28.879	81.9	303.936059	409.390396
188.9	54.8891	1695	30.098	78.9	305.321472	417.773511
189.3	56.71872	1749	30.885	78.1	287.00081	424.448415
189.8	54.62877	1802	31.67	78	235.146667	427.596099
190.2	46.09716	1835	32.29	76.7	219.2714	420.466813
	36.47503	1657	32.639	76.7	220.342898	409.547435
	34.09511	1568	32.91	79.9	227.373084	401.675318
	32.45399	1578	32.91	74.9	229.942185	394.571571
	25.07341	1570	32.91	65.4	230.019071	385.06
	27.27769	1564	32.91	62.6	230.997308	373.598008
192.2	32.3586	1561	32.91	67.8	232.211932	367.842126
192.2	32.11926	1570	32.91	63.7	230.172727	363.549348
192.2	30.44846	1586	33.389	62	243.3395	359.447097
192.2	30.31856	1604	33.53	57	253.051042	354.919029
192.2	23.18262	1356	34.128	51.9	251.504782	348.675576
192.2	20.16319	1338	34.16	54.9	251.601247	340.714663
192.2	20.6654	1345	34.16	56.2	248.514079	333.577264
192.2	21.16988	1348	34.16	51.5	246.260352	326.378049
192.2	21.6707	1363	34.723	47.8	247.866528	318.296098
192.2	21.67669	1376	34.78	44.8	255.616875	311.561571
192.2	22.06158	1388	35.4	42.8	264.338421	303.904511
192.2	22.28092	1404	35.4	42	261.703846	297.144565
192.2	22.65984	1414	36.02	40.8	259.136053	291.091364
192.2	23.0086	1420	36.02	40	244.781119	286.106667
192.2	22.85571	1421	36.02	41.7	245.742669	281.509702
192.2	22.87332	1416	36.02	42.2	246.539151	277.893817
192.2	22.92372	1409	35.895	46.9	248.477401	276.015922
192.2	23.3796	1399	35.4	63.5	244.992089	278.625128
192.2	25.36248	1390	35.4	69.1	250.661765	285.77037
192.2	30.81382	1381	35.4	75.4	258.35409	294.756444
192.2	30.77926	1379	34.78	76.8	269.395932	304.45098
192.2	30.08595	1363	34.78	74.1	273.193125	311.078513
192.2	29.73518	1350	34.16	74.3	282.002957	315.505288
192.2	29.59895	1333	33.53	77.1	284.67546	319.812708
192.2	30.61882	1324	33.53	76.4	286.683838	325.005118
192.2	29.85358	1313	33.183	78.9	288.630189	328.929316
192.2	29.61215	1309	32.91	78.4	283.360741	331.25
192.2	26.73276	1306	32.91	64	275.585816	330.670252

0.0138	0.01582	0.23065	259.501
0.01886	0.01656	0.24464	272.708
0.02788	0.01695	0.25493	286.439
0.03847	0.01744	0.26317	300.805
0.04933	0.01805	0.27108	315.324
0.05618	0.01858	0.27601	324.522
0.0602	0.01886	0.27823	330.173
0.06379	0.01906	0.28052	335.323
0.06736	0.01928	0.28307	341.293
0.07106	0.0195	0.28685	349.232
0.07478	0.01984	0.29119	358.529
0.07855	0.02009	0.29481	367.903
0.0822	0.02035	0.29872	376.774
0.08535	0.02064	0.30223	384.309
0.08758	0.02085	0.30453	389.881
0.08936	0.02112	0.30665	394.932
0.09076	0.0213	0.30861	399.594
0.09179	0.02148	0.31004	403.367
0.09283	0.02165	0.31159	407.256
0.09381	0.02188	0.31351	411.321
0.09462	0.02211	0.31568	415.357
0.09535	0.02229	0.31774	419.352
0.09604	0.02251	0.31957	423.064
0.09661	0.02264	0.32109	426.111
0.09712	0.02279	0.32243	428.726
0.09761	0.02293	0.32359	431.187
0.09804	0.02309	0.32487	433.622
0.09838	0.02327	0.32623	436.076
0.09864	0.02341	0.3276	438.517
0.09886	0.02357	0.32908	440.865
0.09905	0.02366	0.3309	443.105
0.09921	0.02378	0.33205	445.228
0.09937	0.02388	0.33339	447.229
0.09952	0.02398	0.33497	449.132
0.09967	0.02407	0.33673	451.004
0.09981	0.02415	0.33862	452.859
0.09995	0.0243	0.34056	454.79
0.1001	0.02442	0.34287	457.176
0.10027	0.02461	0.34571	460.419
0.10048	0.02479	0.34825	464.254
0.10079	0.02497	0.35024	468.384
0.10122	0.02513	0.35186	472.424
0.10175	0.02527	0.3535	476.425
0.10235	0.02543	0.35536	480.478
0.10301	0.02555	0.35705	484.583
0.10375	0.0257	0.35861	488.633
0.10451	0.02582	0.36008	492.411

11:48:44.701	-11.7	0.00076	0.00014	0.00146	3.552	0.000343
11:48:45.701	-12	0.00068	0.00013	0.00147	3.137	0.000303
11:48:46.701	-12	0.00061	0.0001	0.00138	2.872	0.000278
11:48:47.701	-12	0.00038	0.0001	0.001	2.01	0.000194
11:48:48.701	-12	0.00028	0.00007	0.0008	1.615	0.000156
11:48:49.701	-12	0.00021	0.00009	0.00056	1.3	0.000126
11:48:50.701	-12	0.00016	0.00006	0.00033	0.916	0.000089
11:48:51.701	-12	0.00012	0.00007	0.00042	0.627	0.000061
11:48:52.701	-12	0.00008	0.00006	0.00042	0.433	0.000042
11:48:53.701	-12	0.00006	0.00005	0.0007	0.314	0.000031
11:48:54.701	-12	0.00004	0.00004	0.00087	0.239	0.000023
11:48:55.701	-12	0.00004	0.00003	0.00107	0.244	0.000024
11:48:56.701	-12	0.00003	0.00006	0.00105	0.238	0.000023
11:48:57.701	-12	0.00002	0.00005	0.0006	0.197	0.000019
11:48:58.701	-12	0.00002	0.00006	0.00068	0.194	0.000019
11:48:59.701	-12	0.00001	0.00006	0.00077	0.231	0.000022
11:49:00.701	-12	0.00001	0.00006	0.0008	0.3	0.000029
11:49:01.701	-12	0.00001	0.00007	0.00091	0.387	0.000038
11:49:02.701	-12	0	0.00005	0.00119	0.555	0.000054
11:49:03.701	-12	0	0.00006	0.00145	0.729	0.000071
11:49:04.701	-12	0	0.00005	0.00116	0.867	0.000084
11:49:05.701	-12	0	0.00006	0.00088	0.961	0.000093
11:49:06.701	-12	0	0.00006	0.00072	1.014	0.000098
11:49:07.701	-12	0	0.00006	0.00069	1.083	0.000105
11:49:08.701	-12	0	0.00008	0.00068	1.06	0.000103
11:49:09.701	-12	0	0.00006	0.00066	1.047	0.000101
11:49:10.701	-12	0	0.00008	0.00077	1.072	0.000104
11:49:11.701	-12	0	0.00008	0.001	1.257	0.000122
11:49:12.701	-12	0	0.00014	0.00152	2.072	0.000201
11:49:13.701	-12	0	0.00027	0.0042	5.509	0.000533
11:49:14.701	-12	0.00108	0.00029	0.00718	8.696	0.000841
11:49:15.701	-12	0.00302	0.00033	0.00423	9.208	0.00089
11:49:16.701	-12	0.00345	0.00015	0.00332	8.242	0.000796
11:49:17.701	-12	0.00268	0.00025	0.00244	6.101	0.000589
11:49:18.701	-12	0.00225	0.00017	0.00243	5.435	0.000525
11:49:19.701	-12	0.00208	0.00021	0.00288	6.014	0.000581
11:49:20.701	-12	0.00168	0.00019	0.00266	5.873	0.000567
11:49:21.701	-12	0.00095	0.00012	0.00156	3.621	0.00035
11:49:22.701	-12	0.00094	0.00017	0.00081	3.113	0.000301
11:49:23.701	-12	0.0009	0.00022	0.00074	2.671	0.000258
11:49:24.701	-12	0.00069	0.00025	0.00171	2.679	0.000259
11:49:25.701	-12	0.00055	0.00018	0.00261	3.483	0.000337
11:49:26.701	-12	0.00041	0.00017	0.00201	3.456	0.000334
11:49:27.701	-12	0.00035	0.00012	0.00116	2.89	0.000279
11:49:28.701	-12	0.00036	0.00012	0.00059	2.357	0.000228
11:49:29.701	-12	0.00035	0.00012	0.00081	1.746	0.000169
11:49:30.701	-12	0.00032	0.0001	0.0017	1.682	0.000163

34.5	1.81E+01	23.100	-0.500	18.121	0.000	11.000
34.4	1.81E+01	23.100	-0.500	18.109	0.000	11.800
34.4	1.75E+01	22.200	-0.500	17.477	0.000	9.900
34.5	1.50E+01	19.100	-0.500	15.049	0.000	13.600
34.3	1.28E+01	16.200	-0.500	12.844	0.000	10.000
33.6	1.08E+01	13.500	-0.500	10.819	0.000	15.500
32.8	8.70E+00	10.700	-0.500	8.675	0.000	11.500
30.3	6.60E+00	8.000	-0.500	6.586	0.000	12.900
29.1	4.80E+00	5.800	-0.500	4.804	0.000	11.200
25.4	3.60E+00	4.300	-0.600	3.600	0.000	9.100
23.9	2.70E+00	3.300	-0.600	2.740	0.000	9.300
19.4	2.10E+00	2.500	-0.600	2.073	0.000	6.200
17.7	1.50E+00	1.800	-0.600	1.545	0.000	9.000
12.4	1.20E+00	1.500	-0.600	1.237	0.000	7.700
10.7	1.00E+00	1.100	-0.600	0.962	0.000	9.600
5.6	7.00E-01	0.800	-0.600	0.707	0.000	10.300
4.7	6.00E-01	0.700	-0.500	0.561	0.000	10.000
2.1	4.00E-01	0.500	-0.500	0.392	0.000	12.000
2.1	2.00E-01	0.200	-0.500	0.197	0.000	8.900
1.6	0.00E+00	0.000	-0.500	0.000	0.000	11.100
0	0.00E+00	0.000	-0.500	0.000	0.000	9.100
0	0.00E+00	-0.200	-0.500	0.000	0.000	11.200
0	0.00E+00	-0.300	-0.500	0.000	0.000	10.900
0	0.00E+00	-0.300	-0.500	0.000	0.000	10.600
0	0.00E+00	-0.300	-0.500	0.000	0.000	14.000
0	0.00E+00	-0.300	-0.500	0.000	0.000	10.200
0	0.00E+00	-0.300	-0.500	0.000	0.000	13.000
0	0.00E+00	-0.300	-0.500	0.000	0.000	11.100
0.4	0.00E+00	-0.300	-0.500	0.000	0.000	13.500
1.7	0.00E+00	-0.100	-0.500	0.000	0.000	11.200
3.4	1.01E+01	12.800	-0.500	10.108	0.000	8.900
9	2.81E+01	35.800	-0.500	28.090	0.000	10.100
10.8	3.61E+01	46.100	-0.500	36.087	0.000	5.300
16.5	3.73E+01	47.500	-0.500	37.262	0.000	11.500
17.7	3.42E+01	43.400	-0.500	34.177	0.000	8.600
21.3	2.86E+01	36.400	-0.500	28.625	0.000	9.700
22.2	2.50E+01	31.900	-0.500	24.951	0.000	9.300
24.9	2.36E+01	30.300	-0.500	23.633	0.000	9.500
25.4	2.38E+01	30.100	-0.500	23.792	0.000	14.300
27.2	2.10E+01	26.200	-0.500	21.047	0.000	17.200
27.6	1.43E+01	17.800	-0.500	14.346	0.000	17.300
28.8	1.05E+01	13.100	-0.500	10.460	0.000	11.100
29.3	8.70E+00	11.000	-0.400	8.711	0.000	12.000
30.7	8.50E+00	10.700	-0.400	8.519	0.000	9.900
30.8	8.70E+00	10.700	-0.400	8.656	0.000	9.600
31.3	8.70E+00	10.600	-0.400	8.681	0.000	10.100
31.4	7.40E+00	9.000	-0.400	7.382	0.000	7.900

192.3	26.41947	1308	32.91	67.1	274.776887	329.17841
192.6	23.77075	1313	33.53	53.4	270.300472	326.572283
193	20.15373	1313	33.348	29.8	272.105102	318.213171
193.4	14.53017	1292	32.91	0.6	270.060543	301.75523
193.8	11.995	1248	31.946	0	265.036174	287.140696
193.9	11.621	1200	30.108	0	265.277966	274.70297
193.5	10.89034	1116	27.963	1.2	264.940377	264.266337
193.1	10.78597	1188	25.695	2.8	264.008664	254.925028
192.7	10.90038	1122	23.733	0.4	262.536375	247.198121
192.4	11.1795	1162	20.546	0.4	260.612041	240.941958
192.2	10.02933	1005	16.856	3.9	259.758333	234.658483
192.2	11.68599	945	13.126	15.1	258.95625	230.292678
192.2	13.68763	841	10.029	18.6	258.219751	226.413333
192.2	11.8909	782	6.768	34.2	256.788855	223.455922
192.2	12.24	823	3.785	46.7	258.585264	224.169398
192.2	11.90058	803	2.509	49.1	259.363617	226.807322
192.2	12.19548	785	1.268	51.9	260.063333	230.64
192.2	12.16895	781	0.028	51.4	261.034342	233.123577
192.2	12.15195	777	0	51.4	253.82126	235.189246
192.2	12.14556	782	0	51.7	255.24	236.674283
192.2	12.09911	778	0	51.4	255.564178	237.764095
192.2	12.09608	781	0	51.7	255.718618	238.665331
192.2	12.19243	779	0	51.4	256.722083	239.4
192.2	12.83561	829	0	53.2	260.441058	240.022951
192.2	12.33754	792	0	50.6	260.909615	240.6
192.2	12.05253	779	0	51.4	260.927255	240.6
192.2	12.13	777	0	51.6	261.173462	240.6
192.2	13.98754	921	0	65.8	263.288718	241.814253
192.2	18.67862	1185	2.54	72.3	267.975432	245.892308
192.2	50.55859	1705	6.206	80.7	269.035769	268.087781
192.2	73.30987	2084	10.349	74.3	273.488077	305.010632
192.2	70.20239	2062	14.066	76.6	278.957308	335.212
192.2	60.16697	1945	17.387	71	274.907179	351.421818
192.2	37.94141	1766	19.248	76.6	294.487719	356.677419
	36.02398	1763	21.19	77	297.087117	355.415529
	44.46168	1892	23.042	77.1	295.750521	357.028291
	50.75669	1975	24.889	66.8	294.691372	362.920184
	22.43847	1460	25.536	37.6	296.740823	358.225521
	23.15407	1493	26.149	37.2	288.52381	335.225747
192.2	27.333	1544	27.32	56.5	282.173163	319.605103
192.2	29.41674	1598	28.068	65.5	285.084898	317.1
192.2	35.17814	1659	29.292	61.3	283.864286	317.1
192.2	29.65246	1635	30.111	47.5	292.544701	313.552769
192.2	26.22869	1438	29.81	2.5	283.204057	299.527144
192.2	26.20764	1458	30.43	29	274.171785	284.78118
192.2	25.29158	1461	30.43	38.9	270.928791	276.657795
192.2	28.29505	1489	31.05	61.5	268.820816	277.641026

0.10527	0.02596	0.36154	495.963
0.10595	0.02609	0.36301	499.1
0.10656	0.02619	0.36439	501.972
0.10694	0.02629	0.36539	503.982
0.10722	0.02636	0.36619	505.597
0.10743	0.02645	0.36675	506.897
0.10759	0.02651	0.36708	507.813
0.10771	0.02658	0.3675	508.44
0.10779	0.02664	0.36792	508.873
0.10785	0.02669	0.36862	509.187
0.10789	0.02673	0.36949	509.426
0.10793	0.02676	0.37056	509.67
0.10796	0.02682	0.37161	509.908
0.10798	0.02687	0.37221	510.105
0.108	0.02693	0.37289	510.299
0.10801	0.02699	0.37366	510.53
0.10802	0.02705	0.37446	510.83
0.10803	0.02712	0.37537	511.217
0.10803	0.02717	0.37656	511.772
0.10803	0.02723	0.37801	512.501
0.10803	0.02728	0.37917	513.368
0.10803	0.02734	0.38005	514.329
0.10803	0.0274	0.38077	515.343
0.10803	0.02746	0.38146	516.426
0.10803	0.02754	0.38214	517.486
0.10803	0.0276	0.3828	518.533
0.10803	0.02768	0.38357	519.605
0.10803	0.02776	0.38457	520.862
0.10803	0.0279	0.38609	522.934
0.10803	0.02817	0.39029	528.443
0.10911	0.02846	0.39747	537.139
0.11213	0.02879	0.4017	546.347
0.11558	0.02894	0.40502	554.589
0.11826	0.02919	0.40746	560.69
0.12051	0.02936	0.40989	566.125
0.12259	0.02957	0.41277	572.139
0.12427	0.02976	0.41543	578.012
0.12522	0.02988	0.41699	581.633
0.12616	0.03005	0.4178	584.746
0.12706	0.03027	0.41854	587.417
0.12775	0.03052	0.42025	590.096
0.1283	0.0307	0.42286	593.579
0.12871	0.03087	0.42487	597.035
0.12906	0.03099	0.42603	599.925
0.12942	0.03111	0.42662	602.282
0.12977	0.03123	0.42743	604.028
0.13009	0.03133	0.42913	605.71

11:49:31.701	-12	0.00028	0.00017	0.00287	2.508	0.000243
11:49:32.701	-12	0.00028	0.0001	0.0033	3.517	0.00034
11:49:33.701	-12	0.00029	0.00016	0.00153	3.881	0.000375
11:49:34.701	-12	0.00031	0.00008	0.00173	3.087	0.000298
11:49:35.701	-12	0.00028	0.00007	0.00124	2.205	0.000213
11:49:36.701	-12	0.00023	0.00006	0.00079	1.481	0.000143
11:49:37.701	-12	0.00022	0.00005	0.00059	1.097	0.000106
11:49:38.701	-12	0.00025	0.00008	0.00069	0.958	0.000093
11:49:39.701	-12	0.00019	0.00005	0.00076	0.613	0.000059
11:49:40.701	-12	0.00012	0.00008	0.00143	0.436	0.000042
11:49:41.701	-12	0.00007	0.00007	0.0016	0.465	0.000045
11:49:42.701	-12	0.00005	0.00007	0.00159	0.571	0.000055
11:49:43.701	-12	0.00004	0.00008	0.00167	0.724	0.00007
11:49:44.701	-12	0.00003	0.00007	0.00195	0.996	0.000097
11:49:45.701	-12	0.00003	0.00012	0.00206	1.291	0.000125
11:49:46.701	-12	0.00003	0.00009	0.00263	1.81	0.000175
11:49:47.701	-12	0.00003	0.00014	0.00292	2.525	0.000245
11:49:48.701	-12	0.00005	0.00012	0.00217	3.055	0.000295
11:49:49.701	-12	0.0001	0.00012	0.00131	3.065	0.000296
11:49:50.701	-12	0.00015	0.00011	0.00119	2.811	0.000272
11:49:51.701	-12	0.00019	0.00008	0.00159	2.771	0.000268
11:49:52.701	-12	0.00021	0.00015	0.00159	2.805	0.000271
11:49:53.701	-12	0.00021	0.0001	0.00142	2.798	0.000271
11:49:54.701	-12	0.00022	0.00017	0.00144	2.921	0.000282
11:49:55.701	-12	0.00024	0.00014	0.00165	3.113	0.000301
11:49:56.701	-12	0.00024	0.00019	0.00183	3.444	0.000333
11:49:57.701	-12	0.00024	0.00018	0.0016	3.507	0.000339
11:49:58.701	-12	0.00024	0.00012	0.00153	3.308	0.00032
11:49:59.701	-12	0.00026	0.00015	0.00164	3.036	0.000294
11:50:00.701	-12	0.00027	0.00011	0.00171	2.672	0.000258
11:50:01.701	-12	0.00025	0.00015	0.00167	2.45	0.000237
11:50:02.701	-12	0.00025	0.00013	0.00159	2.179	0.000211
11:50:03.701	-12	0.00024	0.00016	0.00179	1.892	0.000183
11:50:04.701	-12	0.00024	0.00017	0.00221	2.147	0.000208
11:50:05.701	-12	0.00024	0.00014	0.00277	2.759	0.000267
11:50:06.701	-12	0.00023	0.0002	0.00288	3.477	0.000336
11:50:07.701	-12	0.00023	0.00012	0.00247	3.794	0.000367
11:50:08.701	-12	0.00026	0.00019	0.00193	3.719	0.00036
11:50:09.701	-12	0.00031	0.00012	0.00193	3.699	0.000358
11:50:10.701	-12	0.00032	0.00014	0.0018	3.452	0.000334
11:50:11.701	-12	0.00028	0.00012	0.00151	2.884	0.000279
11:50:12.701	-12	0.00028	0.0001	0.00146	2.707	0.000262
11:50:13.701	-12	0.0003	0.00014	0.00171	2.682	0.000259
11:50:14.701	-12	0.00031	0.00013	0.00213	3.042	0.000294
11:50:15.701	-12	0.00027	0.00018	0.00198	3.352	0.000324
11:50:16.701	-12	0.00023	0.00013	0.00141	3.029	0.000293
11:50:17.701	-12	0.00022	0.00015	0.00146	2.75	0.000266

31.9	5.70E+00	7.000	-0.400	5.661	0.000	11.600
32.3	5.20E+00	6.500	-0.400	5.199	0.000	6.500
33.5	5.50E+00	7.000	-0.400	5.549	0.000	9.700
33.9	7.70E+00	9.700	-0.400	7.657	0.000	6.300
35.3	9.60E+00	12.000	-0.400	9.555	0.000	7.700
35.3	1.02E+01	12.800	-0.400	10.246	0.000	9.200
35.2	1.01E+01	12.500	-0.400	10.146	0.000	8.200
35.1	8.60E+00	10.400	-0.400	8.565	0.000	9.300
34.6	6.20E+00	7.400	-0.500	6.188	0.000	5.400
34.6	4.00E+00	4.800	-0.500	4.016	0.000	9.600
34.4	2.50E+00	3.000	-0.500	2.521	0.000	7.800
34.4	1.60E+00	1.900	-0.500	1.594	0.000	7.900
34.4	1.20E+00	1.400	-0.500	1.192	0.000	8.000
34.5	1.00E+00	1.200	-0.500	0.968	0.000	7.100
34.8	9.00E-01	1.100	-0.500	0.880	0.000	11.700
34.9	8.00E-01	1.000	-0.500	0.814	0.000	8.000
35.4	8.00E-01	1.000	-0.500	0.828	0.000	10.800
35.6	1.10E+00	1.400	-0.500	1.126	0.000	9.300
36.2	2.40E+00	3.000	-0.500	2.368	0.000	9.600
36.3	3.90E+00	4.900	-0.500	3.933	0.000	9.400
36.7	4.90E+00	6.100	-0.500	4.873	0.000	7.000
36.8	5.20E+00	6.500	-0.500	5.194	0.000	12.600
37.2	5.20E+00	6.600	-0.500	5.247	0.000	8.100
37.2	5.30E+00	6.600	-0.500	5.256	0.000	13.400
37.3	5.30E+00	6.600	-0.500	5.262	0.000	10.300
37.7	5.20E+00	6.500	-0.500	5.159	0.000	13.600
38.3	5.10E+00	6.500	-0.500	5.148	0.000	12.600
38.5	5.40E+00	6.800	-0.500	5.366	0.000	9.200
39.1	6.10E+00	7.700	-0.500	6.146	0.000	11.700
39.2	6.70E+00	8.400	-0.500	6.704	0.000	9.400
39.7	6.70E+00	8.400	-0.500	6.720	0.000	13.600
39.6	6.60E+00	8.200	-0.400	6.645	0.000	11.200
39.4	6.20E+00	7.600	-0.400	6.152	0.000	14.300
39.1	5.70E+00	7.000	-0.400	5.682	0.000	13.200
38.3	5.20E+00	6.400	-0.400	5.154	0.000	10.200
38.3	4.80E+00	6.000	-0.400	4.763	0.000	13.900
38.2	4.80E+00	6.100	-0.200	4.814	0.000	8.400
38	5.40E+00	6.900	-0.200	5.432	0.000	12.800
37.9	6.40E+00	8.100	-0.200	6.416	0.000	8.300
37.8	7.00E+00	8.900	-0.200	7.033	0.000	10.600
37.5	7.40E+00	9.300	-0.200	7.352	0.000	10.500
37.4	7.60E+00	9.600	-0.200	7.608	0.000	8.700
37.1	7.60E+00	9.600	-0.200	7.648	0.000	11.800
37.1	7.20E+00	9.100	-0.200	7.236	0.000	10.000
37.1	6.10E+00	7.700	-0.200	6.090	0.000	13.700
37.2	5.80E+00	7.400	-0.200	5.847	0.000	11.200
37.6	5.90E+00	7.400	-0.200	5.876	0.000	12.700

192.2	30.60467	1532	32.29	57.9	268.49501	282.98931
192.2	36.02269	1573	32.91	67.6	267.186705	291.63818
192.2	36.04875	1615	33.87	57.5	265.307237	302.359521
192.2	24.10938	1406	34.16	24.4	266.682645	299.149239
192.2	19.59671	1340	34.16	0	266.265879	282.907076
192.2	12.70039	1333	33.555	0	264.346012	268.862637
	12.55	1318	33.53	0	261.849477	257.93
	14.6325	1311	32.965	5.1	259.625314	248.0151
	19.068	1306	32.91	7.5	258.424089	240.2966
	16.13432	1298	32.91	17	255.93375	232.3038
	18.93222	1304	32.91	26	255.500104	229.72991
	19.92689	1304	32.962	26.9	255.08875	227.92038
	20.87529	1312	33.53	33.5	254.691788	228.566066
	21.28928	1322	33.53	49.6	254.737151	230.717383
	22.71	1339	34.109	66.1	255.915528	237.277711
	25.47251	1353	34.16	68.4	257.394737	248.687585
190.4	27.26557	1368	34.78	62.6	259.1	259.136304
190.4	27.25143	1384	34.804	55.3	260.327273	264.799706
190.4	25.48841	1388	35.4	51.6	260.863496	266.828333
190.4	24.26347	1399	35.4	59.1	262.542347	269.019118
190.4	25.1385	1412	35.695	48.7	264.775432	271.077099
	25.04102	1415	36.02	58.1	264.2652	270.602994
	24.7405	1425	36.02	48.5	264.959375	270.784715
	25.2199	1428	36.367	57.4	263.974113	270.6781
	28.90387	1449	36.64	59.5	265.606135	274.991485
	30.57464	1466	37.26	55.1	268.494283	279.927624
	29.78566	1481	37.568	56.7	269.540671	281.9696
	27.83124	1494	37.88	51.5	270.285983	281.996514
	27.1776	1504	38.187	48.2	268.78827	280.1
	25.52831	1515	38.5	40.4	267.930515	276.2292
	23.56745	1507	38.5	34.7	264.831034	268.96318
190.4	24.24	1491	37.88	34.1	260.687907	260.330143
190.4	24.92034	1467	37.26	55.4	257.918426	257.57135
190.4	27.9682	1456	36.817	59.7	258.5	262.059897
190.4	30.29912	1449	36.64	68.4	258.78125	272.345283
190.4	30.65092	1446	36.64	63.7	260.811954	279.611526
190.4	30.27335	1445	36.64	62.6	263.06051	283.297003
190.4	30.38063	1435	36.64	62.2	263.565094	286.683448
190.4	30.043	1427	36.02	62.8	270.427125	289.998681
190.4	29.98527	1426	36.02	59.3	271.6553	292.320919
190.4	23.95852	1415	36.02	49.7	270.680833	289.89739
190.4	22.51545	1405	35.4	61.7	268.571816	285.645045
190.4	25.5002	1408	35.629	64	268.158142	285.794037
190.4	27.53796	1416	36.02	60.1	268.587713	287.449677
190.4	27.49551	1427	36.02	57	268.803861	287.526347
	24.87015	1439	36.64	38.4	268.912088	283.912428
	23.86034	1445	36.64	56.3	266.414547	278.823423

0.13037	0.0315	0.432	608.218
0.13065	0.0316	0.4353	611.735
0.13094	0.03176	0.43683	615.616
0.13125	0.03184	0.43856	618.703
0.13153	0.03191	0.4398	620.908
0.13176	0.03197	0.44059	622.389
0.13198	0.03202	0.44118	623.486
0.13223	0.0321	0.44187	624.444
0.13242	0.03215	0.44263	625.057
0.13254	0.03223	0.44406	625.493
0.13261	0.0323	0.44566	625.958
0.13266	0.03237	0.44725	626.529
0.1327	0.03245	0.44892	627.253
0.13273	0.03252	0.45087	628.249
0.13276	0.03264	0.45293	629.54
0.13279	0.03273	0.45556	631.35
0.13282	0.03287	0.45848	633.875
0.13287	0.03299	0.46065	636.93
0.13297	0.03311	0.46196	639.995
0.13312	0.03322	0.46315	642.806
0.13331	0.0333	0.46474	645.577
0.13352	0.03345	0.46633	648.382
0.13373	0.03355	0.46775	651.18
0.13395	0.03372	0.46919	654.101
0.13419	0.03386	0.47084	657.214
0.13443	0.03405	0.47267	660.658
0.13467	0.03423	0.47427	664.165
0.13491	0.03435	0.4758	667.473
0.13517	0.0345	0.47744	670.509
0.13544	0.03461	0.47915	673.181
0.13569	0.03476	0.48082	675.631
0.13594	0.03489	0.48241	677.81
0.13618	0.03505	0.4842	679.702
0.13642	0.03522	0.48641	681.849
0.13666	0.03536	0.48918	684.608
0.13689	0.03556	0.49206	688.085
0.13712	0.03568	0.49453	691.879
0.13738	0.03587	0.49646	695.598
0.13769	0.03599	0.49839	699.297
0.13801	0.03613	0.50019	702.749
0.13829	0.03625	0.5017	705.633
0.13857	0.03635	0.50316	708.34
0.13887	0.03649	0.50487	711.022
0.13918	0.03662	0.507	714.064
0.13945	0.0368	0.50898	717.416
0.13968	0.03693	0.51039	720.445
0.1399	0.03708	0.51185	723.195

11:50:18.701	-12	0.00024	0.00015	0.002	2.691	0.00026
11:50:19.701	-12	0.00027	0.00015	0.00264	3.013	0.000292
11:50:20.701	-12	0.00029	0.00019	0.00266	3.556	0.000344
11:50:21.701	-12	0.00029	0.00016	0.00197	3.652	0.000353
11:50:22.701	-12	0.00028	0.00017	0.00182	3.295	0.000319
11:50:23.701	-12	0.00026	0.00011	0.0017	2.693	0.00026
11:50:24.701	-12	0.00025	0.00013	0.00171	2.318	0.000224
11:50:25.701	-12	0.00025	0.00014	0.00177	2.104	0.000204
11:50:26.701	-12	0.00024	0.00013	0.00179	2.12	0.000205
11:50:27.701	-12	0.00021	0.00016	0.00181	2.113	0.000205
11:50:28.701	-12	0.00018	0.00012	0.00183	2.07	0.0002
11:50:29.701	-12	0.00017	0.00017	0.00145	2.003	0.000194
11:50:30.701	-12	0.00016	0.00013	0.00125	1.9	0.000184
11:50:31.701	-12	0.00015	0.00015	0.00131	1.783	0.000173
11:50:32.701	-12	0.00015	0.00014	0.00151	1.67	0.000162
11:50:33.701	-12	0.00014	0.00014	0.00186	1.685	0.000163
11:50:34.701	-12	0.00014	0.00017	0.00192	1.832	0.000177
11:50:35.701	-12	0.00015	0.00012	0.00193	2.214	0.000214
11:50:36.701	-12	0.00017	0.0002	0.00213	2.815	0.000272
11:50:37.701	-12	0.00018	0.00016	0.00243	3.592	0.000347
11:50:38.701	-12	0.00019	0.00018	0.00236	3.732	0.000361
11:50:39.701	-12	0.00022	0.00016	0.00188	3.689	0.000357
11:50:40.701	-12	0.00027	0.00016	0.00191	3.711	0.000359
11:50:41.701	-12	0.0003	0.00017	0.00191	3.723	0.00036
11:50:42.701	-12	0.00032	0.00013	0.00191	3.766	0.000364
11:50:43.701	-12	0.00034	0.00016	0.00182	3.812	0.000368
11:50:44.701	-12	0.00035	0.00016	0.00166	3.76	0.000363
11:50:45.701	-12	0.00033	0.00017	0.00173	3.457	0.000334
11:50:46.701	-12	0.00031	0.00016	0.00143	3.167	0.000306
11:50:47.701	-12	0.00028	0.00014	0.00151	2.716	0.000263
11:50:48.701	-12	0.00026	0.00017	0.00163	2.516	0.000243
11:50:49.701	-12	0.00024	0.00014	0.00172	2.447	0.000237
11:50:50.701	-12	0.00022	0.00019	0.00188	2.424	0.000235
11:50:51.701	-12	0.00019	0.00017	0.00171	2.242	0.000217
11:50:52.701	-12	0.00017	0.00019	0.00133	1.916	0.000186
11:50:53.701	-12	0.00015	0.00016	0.00164	1.613	0.000156
11:50:54.701	-12	0.00014	0.00015	0.00182	1.441	0.00014
11:50:55.701	-12	0.00013	0.00012	0.00155	1.315	0.000127
11:50:56.701	-12	0.00013	0.00008	0.00115	1.412	0.000137
11:50:57.701	-12	0.00011	0.00013	0.00136	1.356	0.000131
11:50:58.701	-12	0.0001	0.00008	0.00151	1.493	0.000145
11:50:59.701	-12	0.00009	0.0001	0.00224	1.813	0.000176
11:51:00.701	-12	0.00008	0.00006	0.00182	1.899	0.000184
11:51:01.701	-12	0.00006	0.00005	0.001	1.486	0.000144
11:51:02.701	-12	0.00005	0.00006	0.00081	1.214	0.000117
11:51:03.701	-12	0.00005	0.00006	0.00076	0.976	0.000095
11:51:04.701	-12	0.00005	0.00007	0.00056	0.725	0.00007

37.7	5.90E+00	7.400	-0.200	5.912	0.000	12.300		26.87014	1462	37.068	63.9	264.97596	279.051685
38.2	5.90E+00	7.400	-0.200	5.914	0.000	10.700		30.01823	1491	37.687	61.1	265.945	282.2292
38.5	5.90E+00	7.400	-0.200	5.872	0.000	12.900		31.78066	1523	38.5	57.5	266.436433	284.962059
39.6	5.90E+00	7.400	-0.200	5.889	0.000	10.900	190.4	31.78727	1549	39.526	50.2	268.605825	286.7933
40	6.20E+00	7.800	-0.200	6.162	0.000	12.700	190.4	30.05318	1567	39.74	44.1	268.373256	286.06983
41.1	6.80E+00	8.600	-0.200	6.841	0.000	9.300	190.4	25.18478	1469	40.37	45.7	266.454583	282.102711
41.3	7.10E+00	8.900	-0.200	7.137	0.000	12.000	190.4	21.01425	1330	40.99	47.7	263.156321	277.089395
42.1	7.20E+00	9.000	-0.200	7.221	0.000	13.500	190.4	21.29902	1339	40.99	45.3	261.162852	272.708012
42.3	7.00E+00	8.700	-0.100	6.976	0.000	12.600	190.4	21.8934	1350	41.61	40.4	259.349048	267.997006
42.9	6.00E+00	7.400	-0.100	5.962	0.000	14.900	190.4	22.13392	1361	42.039	38.6	256.808314	263.315836
43.1	5.00E+00	6.200	-0.100	5.019	0.000	11.100	190.4	22.57975	1369	42.23	36.8	253.952296	258.625846
43.6	4.60E+00	5.700	-0.100	4.629	0.000	15.800	190.4	22.50074	1380	42.794	26.8	252.039773	254.198235
43.6	4.30E+00	5.400	-0.100	4.346	0.000	12.200	190.4	22.71895	1374	42.23	30.4	250.083109	249.769231
43.8	4.30E+00	5.300	-0.100	4.275	0.000	14.100	190.4	22.90704	1376	42.23	40.4	248.531608	246.650588
43.8	4.10E+00	5.100	-0.100	4.150	0.000	12.900	190.4	22.50656	1373	42.23	40.8	247.498864	245.068043
44	4.00E+00	5.000	-0.100	4.042	0.000	13.300	190.4	22.62709	1369	42.23	46.5	247.630219	244.866122
43.9	4.00E+00	4.900	-0.100	3.953	0.000	15.800	190.4	22.88064	1362	41.612	56.3	247.227727	247.254248
43.5	3.90E+00	4.800	-0.100	3.873	0.000	10.200	190.4	25.90717	1361	42.23	67.9	247.668333	255.672506
43.5	3.80E+00	4.800	-0.100	3.840	0.000	14.900	190.4	28.08197	1363	42.23	64.3	247.715472	264.140042
43.5	3.80E+00	4.800	0.000	3.797	0.000	11.000	190.4	29.22132	1368	42.23	64	248.020446	270.851816
43.5	4.00E+00	5.000	0.000	3.962	0.000	12.300	190.4	30.76018	1370	42.23	65.8	247.957576	277.160202
43.6	4.70E+00	6.000	0.000	4.718	0.000	11.300	190.4	29.8677	1376	42.23	64.3	248.86028	281.674853
43.6	5.60E+00	7.100	0.000	5.625	0.000	10.700	190.4	30.34508	1383	42.477	65.8	248.996139	285.668317
43.8	6.20E+00	7.800	0.000	6.181	0.000	11.900	190.4	30.65754	1387	42.85	67.2	247.405696	289.401364
43.8	6.70E+00	8.500	0.000	6.700	0.000	9.000	190.4	30.66902	1390	42.85	67.2	247.688123	293.358074
43.9	7.00E+00	8.900	0.000	6.983	0.000	11.000	190.4	30.80973	1393	42.85	67.9	245.8	297.034056
44.2	7.30E+00	9.300	0.000	7.322	0.000	11.000	190.4	30.68663	1399	42.85	65.5	250.685714	299.397603
44.4	7.60E+00	9.600	0.000	7.565	0.000	13.100		26.5351	1404	43.287	59.2	249.275862	300.15919
44.5	7.60E+00	9.600	0.000	7.578	0.000	12.700		25.8791	1406	43.47	52.5	247.874227	296.421254
44.8	7.60E+00	9.600	0.000	7.576	0.000	12.700		22.95492	1414	43.47	50.9	246.077083	291.770588
44.8	7.40E+00	9.300	0.000	7.375	0.000	15.400		22.56624	1418	43.47	50.6	245.975364	285.81
45	6.60E+00	8.300	0.000	6.623	0.000	13.000		23.60908	1421	44.09	42.7	246.491071	279.880648
45.1	5.80E+00	7.300	0.000	5.848	0.000	17.000	190.4	23.73791	1420	43.805	27.3	246.670755	271.23391
45.3	5.10E+00	6.400	0.000	5.115	0.000	15.200	190.4	23.43805	1417	43.47	22.1	244.658878	262.728013
45.2	4.70E+00	5.800	0.000	4.700	0.000	17.900	190.4	23.11697	1405	43.47	23.3	245.757237	255.214815
45	4.40E+00	5.400	0.000	4.375	0.000	15.300	190.4	21.90655	1396	42.85	20.5	246.571066	248.384648
44.8	4.00E+00	4.900	0.000	4.043	0.000	14.200	190.4	21.99022	1380	42.636	24.4	244.134263	242.74525
44.3	3.80E+00	4.700	0.000	3.834	0.000	11.800	190.1	22.05487	1362	42.041	17.8	242.583507	238.03095
44	3.50E+00	4.200	0.000	3.464	0.000	7.200	189.7	24.31	1341	41.445	37.8	240.210918	233.767573
43.2	3.00E+00	3.600	0.000	2.998	0.000	10.900	189.4	25.0026	1323	40.713	60.8	239.76375	237.218788
42.9	2.70E+00	3.300	0.000	2.704	0.000	7.300	189	25.16365	1308	40.37	51.9	243.9	245.585547
42	2.70E+00	3.300	0.000	2.674	0.000	9.200	188.6	22.48444	1284	39.409	38.6	246.404912	248.056863
41.7	2.60E+00	3.300	0.000	2.642	0.000	6.500	188.6	20.5515	1255	38.804	7.7	245.074644	243.334055
40.6	2.60E+00	3.300	0.000	2.637	0.000	7.700	188.6	11.83829	1227	37.582	0.3	240.848875	234.532577
40.6	2.60E+00	3.300	0.000	2.650	0.000	9.200	188.6	11.51131	1191	36.953	0	236.62428	226.255245
40.1	2.70E+00	3.300	0.000	2.672	0.000	10.500	188.6	11.15958	1162	35.736	0	233.388911	219.065217
38	2.70E+00	3.300	0.000	2.702	0.000	13.500	188.6	10.98847	1136	35.023	0	229.834884	212.519802

0.14014	0.03723	0.51385	725.886
0.14041	0.03738	0.51649	728.899
0.1407	0.03757	0.51915	732.455
0.14099	0.03773	0.52112	736.107
0.14127	0.0379	0.52294	739.402
0.14153	0.03801	0.52464	742.095
0.14178	0.03814	0.52635	744.413
0.14203	0.03828	0.52812	746.517
0.14227	0.03841	0.52991	748.637
0.14248	0.03857	0.53172	750.75
0.14266	0.03869	0.53355	752.82
0.14283	0.03886	0.535	754.823
0.14299	0.03899	0.53625	756.723
0.14314	0.03914	0.53756	758.506
0.14329	0.03928	0.53907	760.176
0.14343	0.03942	0.54093	761.861
0.14357	0.03959	0.54285	763.693
0.14372	0.03971	0.54478	765.907
0.14389	0.03991	0.54691	768.722
0.14407	0.04007	0.54934	772.314
0.14426	0.04025	0.5517	776.046
0.14448	0.04041	0.55358	779.735
0.14475	0.04057	0.55549	783.446
0.14505	0.04074	0.5574	787.169
0.14537	0.04087	0.55931	790.935
0.14571	0.04103	0.56113	794.747
0.14606	0.04119	0.56279	798.507
0.14639	0.04136	0.56452	801.964
0.1467	0.04152	0.56595	805.131
0.14698	0.04166	0.56746	807.847
0.14724	0.04183	0.56909	810.363
0.14748	0.04197	0.57081	812.81
0.1477	0.04216	0.57269	815.234
0.14789	0.04233	0.5744	817.476
0.14806	0.04252	0.57573	819.392
0.14821	0.04268	0.57737	821.005
0.14835	0.04283	0.57919	822.446
0.14848	0.04295	0.58074	823.761
0.14861	0.04303	0.58189	825.173
0.14872	0.04316	0.58325	826.529
0.14882	0.04324	0.58476	828.022
0.14891	0.04334	0.587	829.835
0.14899	0.0434	0.58882	831.734
0.14905	0.04345	0.58982	833.22
0.1491	0.04351	0.59063	834.434
0.14915	0.04357	0.59139	835.41
0.1492	0.04364	0.59195	836.135

11:51:05.701	-12	0.00005	0.00006	0.00053	0.518	0.00005
11:51:06.701	-12	0.00005	0.00008	0.00058	0.406	0.000039
11:51:07.701	-12	0.00006	0.00011	0.00099	0.436	0.000042
11:51:08.701	-12	0.00003	0.00012	0.0012	0.348	0.000034
11:51:09.701	-12	0.00001	0.00008	0.00097	0.396	0.000039
11:51:10.701	-12	0.00001	0.00007	0.00115	0.525	0.000051
11:51:11.701	-12	0.00001	0.00009	0.00105	0.597	0.000058
11:51:12.701	-12	0.00001	0.00005	0.00084	0.547	0.000053
11:51:13.701	-12	0.00001	0.00007	0.00068	0.407	0.00004
11:51:14.701	-12	0.00001	0.00006	0.00061	0.287	0.000028
11:51:15.701	-12	0.00001	0.00006	0.00067	0.222	0.000022
11:51:16.701	-12	0.00001	0.00009	0.00107	0.227	0.000022
11:51:17.701	-12	0	0.00013	0.002	0.544	0.000053
11:51:18.701	-12	0	0.00027	0.00454	1.598	0.000155
11:51:19.701	-12	0.00002	0.00015	0.00598	4.204	0.000407
11:51:20.701	-12	0.00015	0.00021	0.00367	4.855	0.000469
11:51:21.701	-12	0.0003	0.00013	0.00182	4.375	0.000423
11:51:22.701	-12	0.00041	0.00016	0.00198	4.108	0.000397
11:51:23.701	-12	0.00045	0.00012	0.00252	4.13	0.000399
11:51:24.701	-12	0.0004	0.00009	0.00265	4.073	0.000394
11:51:25.701	-12	0.00029	0.00014	0.00243	3.736	0.000361
11:51:26.701	-12	0.00022	0.0001	0.00216	3.316	0.000321
11:51:27.701	-12	0.00018	0.00015	0.00181	3.253	0.000315
11:51:28.701	-12	0.00018	0.00019	0.00253	4.101	0.000397
11:51:29.701	-12	0.00018	0.00026	0.00453	5.626	0.000544
11:51:30.701	-12	0.00019	0.00025	0.0044	7.144	0.00069
11:51:31.701	-12	0.00029	0.00017	0.00274	7.964	0.000769
11:51:32.701	-12	0.00042	0.00029	0.0019	8.501	0.00082
11:51:33.701	-12	0.00048	0.00023	0.00199	9.038	0.000872
11:51:34.701	-12	0.00051	0.00026	0.00247	9.298	0.000897
11:51:35.701	-12	0.00042	0.00016	0.00235	7.172	0.000692
11:51:36.701	-12	0.00037	0.00019	0.00218	5.672	0.000548
11:51:37.701	-12	0.00033	0.00015	0.00221	5.359	0.000518
11:51:38.701	-12	0.00026	0.00012	0.00228	5.263	0.000508
11:51:39.701	-12	0.00019	0.00016	0.00169	4.435	0.000428
11:51:40.701	-12	0.00012	0.00008	0.00143	3.162	0.000305
11:51:41.701	-12	0.00006	0.00009	0.00095	1.898	0.000183
11:51:42.701	-12	0.00005	0.00007	0.00076	1.525	0.000148
11:51:43.701	-12	0.00004	0.00008	0.00052	1.074	0.000104
11:51:44.701	-12	0.00003	0.00008	0.00043	0.794	0.000077
11:51:45.701	-12	0.00003	0.0001	0.00105	0.806	0.000078
11:51:46.701	-12	0.00003	0.00015	0.00145	0.881	0.000086
11:51:47.701	-12	0.00001	0.00012	0.00395	1.895	0.000184
11:51:48.701	-12	0	0.0002	0.00435	3.434	0.000333
11:51:49.701	-12	0	0.00011	0.00243	3.552	0.000343
11:51:50.701	-12	0.00001	0.00014	0.0012	2.99	0.000289
11:51:51.701	-12	0.00001	0.00013	0.00137	2.339	0.000226

36.6	2.70E+00	3.200	0.000	2.681	0.000	10.300
36.3	2.20E+00	2.600	0.000	2.211	0.000	11.900
35.3	1.60E+00	1.900	0.000	1.630	0.000	10.500
35.1	1.10E+00	1.300	0.000	1.075	0.000	12.300
34.3	6.00E-01	0.700	0.000	0.618	0.000	12.100
34.1	4.00E-01	0.500	0.000	0.415	0.000	11.600
33.4	5.00E-01	0.600	0.000	0.496	0.000	15.000
32.9	5.00E-01	0.600	0.000	0.496	0.000	10.200
31.2	5.00E-01	0.600	0.000	0.499	0.000	14.400
31.2	5.00E-01	0.600	0.000	0.503	0.000	11.000
30.7	4.00E-01	0.500	0.000	0.394	0.000	11.300
28.7	2.00E-01	0.300	0.000	0.227	0.000	11.400
26.8	1.00E-01	0.100	0.000	0.084	0.000	9.200
26.8	0.00E+00	0.000	0.000	0.000	0.000	15.700
26.8	3.00E-01	0.300	0.100	0.260	0.052	8.200
27.3	2.50E+00	2.800	0.400	2.206	0.339	11.700
29.1	5.80E+00	6.900	0.500	5.439	0.392	8.400
29.4	8.00E+00	9.600	0.500	7.590	0.394	10.400
30.5	8.50E+00	10.300	0.500	8.105	0.395	7.300
30.9	7.70E+00	9.300	0.500	7.310	0.394	6.000
32.2	6.10E+00	7.200	0.500	5.701	0.394	9.700
32.5	4.90E+00	5.800	0.400	4.604	0.316	7.400
33.6	4.10E+00	4.700	0.400	3.739	0.318	10.900
33.6	3.30E+00	3.700	0.400	2.969	0.292	11.100
33.6	2.60E+00	3.000	0.300	2.340	0.236	12.300
33.8	2.50E+00	2.900	0.300	2.228	0.234	10.600
34.4	3.60E+00	4.400	0.300	3.387	0.232	7.100
34.6	4.90E+00	6.000	0.300	4.652	0.232	11.400
35.3	5.40E+00	6.700	0.300	5.137	0.231	8.400
35.4	5.50E+00	6.800	0.300	5.268	0.231	9.400
35.8	5.70E+00	7.000	0.300	5.424	0.233	7.300
35.7	5.70E+00	7.000	0.300	5.447	0.235	9.800
35.4	5.20E+00	6.400	0.300	5.001	0.235	8.200
35.2	4.40E+00	5.300	0.300	4.144	0.234	7.000
34.4	3.90E+00	4.700	0.300	3.651	0.234	10.700
34.1	3.20E+00	3.800	0.300	3.012	0.235	7.100
33.1	2.70E+00	3.100	0.300	2.452	0.236	12.600
32.5	2.20E+00	2.400	0.300	1.942	0.239	10.200
30.5	1.80E+00	1.900	0.300	1.511	0.243	12.800
30	1.30E+00	1.300	0.300	1.079	0.222	12.300
28.5	9.00E-01	0.900	0.200	0.726	0.167	9.000
28.5	6.00E-01	0.500	0.200	0.453	0.167	12.000
28.4	1.00E-01	-0.100	0.200	0.000	0.139	8.200
28.7	1.00E-01	-0.300	0.100	0.000	0.080	12.700
30.4	1.00E-01	-0.400	0.100	0.000	0.104	8.400
30.7	2.00E-01	-0.300	0.200	0.000	0.159	11.700
31.8	2.00E-01	-0.200	0.200	0.000	0.161	10.800

188.6	10.80503	1120	34.185	0	232.763465	207.318951
188.6	12.07163	1311	33.626	0.4	230.611224	202.41692
188.6	23.249	1306	32.91	26.9	238.185385	202.797789
188.6	21.41441	1281	32.595	13.2	241.853213	205.254239
	12.08952	1261	31.818	0	238.305625	200.143214
	11.86232	1242	31.214	0	238.43875	195.903964
	11.46116	1202	30.619	0	238.689388	191.795601
	11.18402	1178	29.971	0	236.869018	187.985568
	10.76867	1138	28.756	0	238.569342	184.546334
188.4	10.63102	1075	27.55	0	238.634893	181.58655
188.1	11.3996	1242	26.08	0	240.519923	178.672816
187.7	12.55531	1228	25.608	24.7	234.700501	176.571366
187.4	28.59671	1227	25.46	65.5	234.526069	187.102037
187	42.32737	1269	26.553	80.6	238.985306	222.632745
187	41.69278	1320	27.773	78.6	241.547699	253.208619
187.4	35.33519	1361	28.369	74.8	242.825051	268.944161
187.7	29.46221	1386	29.19	72	246.29125	277.6168
188.1	32.43771	1423	29.723	71.8	246.596694	279.062609
188.5	34.24731	1464	30.45	74.9	252.846556	284.284742
188.6	33.15492	1508	31.67	63.8	259.660668	288.443797
188.6	30.25841	1540	32.29	61.1	259.149409	287.480039
188.6	27.87424	1551	32.29	49.6	257.306439	285.241237
188.6	29.05817	1543	32.29	59.8	256.715866	281.373518
188.6	39.092	1552	32.29	75	256.803983	286.365613
188.6	46.09155	1576	32.91	82.4	261.50449	305.173228
188.6	52.22752	1603	33.53	78.8	270.873554	331.460784
188.6	52.69555	1626	34.16	75.6	282.369	350.887833
188.6	55.07209	1642	34.16	79.3	299.02	367.122329
188.6	58.03537	1653	34.78	81.5	296.214192	382.339394
	59.34692	1659	34.78	75.5	303.076415	393.45859
	42.02669	1647	34.359	77	307.260116	391.992907
	40.45687	1623	34.16	78.7	302.043089	382.828163
	38.73038	1601	33.53	79.2	298.052667	380.2
	37.66213	1573	32.91	71	301.126138	376.974493
190.8	31.6467	1552	32.29	64.5	289.026104	367.791531
191.2	28.75428	1482	31.124	6.3	273.710481	348.94683
191.6	13.71338	1433	30.253	0.9	248.06384	325.085
192	13.10624	1379	28.742	0	243.39102	306.594519
192	12.57481	1333	27.95	0	238.747273	292.28098
191.6	12.30104	1297	26.909	9.5	237.043388	278.222102
191.2	23.76699	1289	26.836	40.5	240.244041	268.871227
190.8	26.89439	1316	27.468	70.7	246.805236	273.41
190.4	35.19394	1374	28.86	75.1	258.127037	286.95734
190.4	34.44196	1430	30.132	64.8	265.398646	298.457926
190.4	26.23497	1453	30.43	41.9	266.454762	297.962637
190.4	23.8874	1464	30.43	30.6	261.183438	286.841379
190.4	24.53298	1473	31.05	31.3	252.422929	276.011444

0.14925	0.0437	0.59248	836.653
0.1493	0.04378	0.59306	837.059
0.14936	0.04389	0.59405	837.495
0.14939	0.04401	0.59525	837.843
0.1494	0.04409	0.59622	838.239
0.14941	0.04416	0.59737	838.764
0.14942	0.04425	0.59842	839.361
0.14943	0.0443	0.59926	839.908
0.14944	0.04437	0.59994	840.315
0.14945	0.04443	0.60055	840.602
0.14946	0.04449	0.60122	840.824
0.14947	0.04458	0.60229	841.051
0.14947	0.04471	0.60429	841.595
0.14947	0.04498	0.60883	843.193
0.14949	0.04513	0.61481	847.397
0.14964	0.04534	0.61848	852.252
0.14994	0.04547	0.6203	856.627
0.15035	0.04563	0.62228	860.735
0.1508	0.04575	0.6248	864.865
0.1512	0.04584	0.62745	868.938
0.15149	0.04598	0.62988	872.674
0.15171	0.04608	0.63204	875.99
0.15189	0.04623	0.63385	879.243
0.15207	0.04642	0.63638	883.344
0.15225	0.04668	0.64091	888.97
0.15244	0.04693	0.64531	896.114
0.15273	0.0471	0.64805	904.078
0.15315	0.04739	0.64995	912.579
0.15363	0.04762	0.65194	921.617
0.15414	0.04788	0.65441	930.915
0.15456	0.04804	0.65676	938.087
0.15493	0.04823	0.65894	943.759
0.15526	0.04838	0.66115	949.118
0.15552	0.0485	0.66343	954.381
0.15571	0.04866	0.66512	958.816
0.15583	0.04874	0.66655	961.978
0.15589	0.04883	0.6675	963.876
0.15594	0.0489	0.66826	965.401
0.15598	0.04898	0.66878	966.475
0.15601	0.04906	0.66921	967.269
0.15604	0.04916	0.67026	968.075
0.15607	0.04931	0.67171	968.956
0.15608	0.04943	0.67566	970.851
0.15608	0.04963	0.68001	974.285
0.15608	0.04974	0.68244	977.837
0.15609	0.04988	0.68364	980.827
0.1561	0.05001	0.68501	983.166

11:51:52.701	-12	0.00001	0.00013	0.00136	1.849	0.000179
11:51:53.701	-12	0.00001	0.00018	0.00179	1.678	0.000163
11:51:54.701	-12	0	0.00019	0.00195	1.8	0.000174
11:51:55.701	-12	0	0.00019	0.00175	2.113	0.000205
11:51:56.701	-12	0	0.00013	0.00153	2.247	0.000217
11:51:57.701	-12	0	0.00015	0.00133	2.267	0.000219
11:51:58.701	-12	0	0.00013	0.00183	2.228	0.000216
11:51:59.701	-12	0	0.00013	0.00191	2.165	0.00021
11:52:00.701	-12	0.00001	0.00015	0.00186	2.07	0.0002
11:52:01.701	-12	0.00001	0.00008	0.00126	1.449	0.00014
11:52:02.701	-12	0.00001	0.0001	0.00099	1.224	0.000119
11:52:03.701	-12	0.00002	0.0001	0.00172	1.448	0.00014
11:52:04.701	-12	0.00002	0.00014	0.00105	1.231	0.000119
11:52:05.701	-12	0.00002	0.00014	0.00204	1.675	0.000162
11:52:06.701	-12	0.00002	0.00015	0.00324	2.878	0.000279
11:52:07.701	-12	0.00003	0.00016	0.00364	4.299	0.000416
11:52:08.701	-12	0.00006	0.00011	0.00325	6.194	0.000598
11:52:09.701	-12	0.00014	0.00016	0.00448	7.55	0.000729
11:52:10.701	-12	0.00031	0.00004	0.00392	8.082	0.00078
11:52:11.701	-12	0.00045	0.00014	0.00395	8.512	0.000822
11:52:12.701	-12	0.00036	0.00007	0.00251	6.447	0.000622
11:52:13.701	-12	0.00026	0.00005	0.00129	4.168	0.000403
11:52:14.701	-12	0.00017	0.00008	0.00096	2.909	0.000281
11:52:15.701	-12	0.00013	0.00004	0.00143	2.471	0.000239
11:52:16.701	-12	0.00009	0.00009	0.00117	2.336	0.000226
11:52:17.701	-12	0.00005	0.00005	0.00139	2.423	0.000234
11:52:18.701	-12	0.00002	0.0001	0.00166	2.621	0.000253
11:52:19.701	-12	0.00001	0.00007	0.00173	2.495	0.000241
11:52:20.701	-12	0	0.00006	0.00141	2.072	0.0002
11:52:21.701	-12	0	0.00005	0.00079	1.395	0.000135
11:52:22.701	-12	0	0.00003	0.00079	1.141	0.00011
11:52:23.701	-12	0	0.00004	0.00075	0.947	0.000092
11:52:24.701	-12	0	0.00002	0.00055	0.701	0.000068
11:52:25.701	-12	0	0.00004	0.00044	0.571	0.000055
11:52:26.701	-12	0	0.00004	0.00059	0.458	0.000044
11:52:27.701	-12	0	0.00002	0.00087	0.316	0.000031
11:52:28.701	-12	0	0.00004	0.00095	0.269	0.000026
11:52:29.701	-12	0	0.00002	0.00095	0.287	0.000028
11:52:30.701	-12	0	0.00005	0.00083	0.356	0.000035
11:52:31.701	-12	0	0.00001	0.00078	0.449	0.000044
11:52:32.701	-12	0	0.00004	0.00095	0.602	0.000058
11:52:33.701	-12	0	0.00003	0.00104	0.765	0.000074
11:52:34.701	-12	0	0.00005	0.00084	0.898	0.000087
11:52:35.701	-12	0	0.00006	0.0008	0.995	0.000096
11:52:36.701	-12	0	0.00005	0.00075	1.045	0.000101
11:52:37.701	-12	0	0.00006	0.00069	1.069	0.000103
11:52:38.701	-12	0	0.00004	0.00073	1.084	0.000105

31.8	2.00E-01	-0.100	0.200	0.000	0.163	10.700
32	1.00E-01	-0.100	0.200	0.000	0.138	15.800
32	1.00E-01	-0.100	0.100	0.000	0.081	16.500
31.9	1.00E-01	-0.100	0.100	0.000	0.081	16.500
31.7	1.00E-01	-0.100	0.100	0.000	0.081	11.400
31.2	1.00E-01	-0.100	0.100	0.000	0.080	13.300
31	1.00E-01	-0.100	0.100	0.000	0.080	11.300
30.5	1.00E-01	0.000	0.100	0.000	0.080	11.900
30.3	2.00E-01	0.100	0.100	0.106	0.081	14.000
29.7	3.00E-01	0.300	0.100	0.267	0.081	10.200
29.3	5.00E-01	0.500	0.100	0.405	0.081	13.800
28	5.00E-01	0.500	0.100	0.408	0.082	10.300
27.6	5.00E-01	0.500	0.100	0.412	0.082	12.800
26.2	5.00E-01	0.500	0.100	0.411	0.082	10.600
26.3	5.00E-01	0.500	0.100	0.401	0.080	10.200
26.5	5.00E-01	0.500	0.100	0.418	0.103	10.200
26.7	9.00E-01	0.900	0.200	0.696	0.156	5.200
27.4	1.70E+00	2.000	0.200	1.572	0.155	6.800
27.8	3.70E+00	4.600	0.200	3.542	0.155	1.500
29	5.10E+00	6.300	0.200	4.905	0.155	5.400
29.6	5.30E+00	6.700	0.200	5.201	0.132	3.200
31.4	5.30E+00	6.700	0.100	5.252	0.078	3.700
31.4	4.70E+00	5.800	0.100	4.602	0.056	7.000
31.5	3.60E+00	4.500	0.000	3.553	0.000	4.100
31.2	2.30E+00	2.900	0.000	2.321	0.000	7.500
30.2	1.30E+00	1.600	0.000	1.269	0.000	4.100
29.9	6.00E-01	0.700	0.000	0.567	0.000	8.700
29.1	3.00E-01	0.300	0.000	0.273	0.000	6.600
28.8	0.00E+00	-0.200	-0.100	0.000	0.000	6.700
28	0.00E+00	-0.600	-0.100	0.000	0.000	7.400
27.3	0.00E+00	-0.700	-0.100	0.000	0.000	5.100
25.1	0.00E+00	-0.700	-0.100	0.000	0.000	7.800
23.9	0.00E+00	-0.800	-0.100	0.000	0.000	4.400
19.8	0.00E+00	-0.900	-0.100	0.000	0.000	6.300
18.2	0.00E+00	-0.900	-0.100	0.000	0.000	5.400
12.9	0.00E+00	-0.900	-0.200	0.000	0.000	3.700
11.3	0.00E+00	-1.000	-0.200	0.000	0.000	6.400
6.3	0.00E+00	-1.000	-0.200	0.000	0.000	4.100
4.8	0.00E+00	-1.000	-0.200	0.000	0.000	8.800
0	0.00E+00	-1.100	-0.200	0.000	0.000	2.500
0	0.00E+00	-1.200	-0.200	0.000	0.000	7.400
0	0.00E+00	-1.200	-0.200	0.000	0.000	5.400
0	0.00E+00	-1.200	-0.200	0.000	0.000	8.800
0	0.00E+00	-1.200	-0.200	0.000	0.000	9.800
0	0.00E+00	-1.200	-0.200	0.000	0.000	8.700
0	0.00E+00	-1.200	-0.100	0.000	0.000	10.100
0	0.00E+00	-1.200	-0.100	0.000	0.000	7.300

190.4	24.65375	1472	31.05	42.7	245.900288	268.668901
190.4	24.90432	1476	30.997	49	245.298844	266.309415
190.4	25.29462	1461	30.43	47.1	245.289425	266.379824
190.4	24.86	1449	30.43	47	246.468526	266.7
190.4	25.06631	1430	29.81	45.9	245.258904	266.303632
190.4	24.6057	1413	29.675	47.9	240.421047	265.493544
190.4	23.88247	1397	29.19	45.7	236.296538	263.582222
190.4	23.56108	1377	28.724	40.4	239.190215	261.875082
190.4	22.4716	1357	28.57	23.5	238.944479	257.953226
190.4	18.59021	1314	27.484	7.1	238.374479	249.409911
190.4	11.92138	1256	26.241	2	237.692708	240.414414
190.4	22.428	1211	25.46	30.6	237.346584	234.694829
190.4	22.28791	1200	25.027	71.3	238.277035	240.816032
190.4	32.17937	1210	25.326	76.9	240.712073	253.946813
190.4	30.31316	1226	25.46	78.4	247.547757	271.799122
190.4	35.85538	1246	26.08	78.2	256.461654	285.807701
190.4	43.30556	1412	26.91	78.3	263.701042	304.6516
190.4	52.09857	1574	27.542	77.3	274.817292	329.089093
190.4	52.46123	1626	28.57	75.2	293.642885	348.929922
190.4	60.95253	1686	29.627	73	290.620385	365.207547
190.8	43.29	1723	30.43	65.9	285.808269	371.573817
191.2	29.447	1721	30.43	52.2	286.901923	360.335446
191.6	21.74367	1428	29.81	34.2	276.197187	342.478301
192	22.53492	1394	29.19	58.6	258.963462	327.810011
	24.95232	1382	28.859	66	252.138185	320.725217
	25.05507	1362	28.57	51.9	254.018267	315.058162
	23.15715	1330	27.643	44.2	254.337885	306.757831
	22.24189	1305	27.32	36.1	252.468712	298.065036
	24.97452	1261	26.375	17.8	252.117534	288.682772
192.1	11.79727	1202	25.158	0.8	253.141996	275.166733
191.7	10.87516	1119	22.994	0	252.519075	263.635165
191.3	11.23937	1171	20.5	1.2	251.503263	254.45491
191	10.00181	1023	17.296	3.8	251.01625	245.606771
190.6	10.84606	987	14.004	10.4	249.983333	239.113931
190.4	14.16245	841	10.548	18.6	250.186585	234.027466
190.4	12.24218	790	7.553	28.5	248.039836	229.787719
190.4	12.63216	802	4.911	43.4	245.614286	229.181798
190.4	12.33956	769	2.786	51.8	243.167708	230.41891
190.4	12.91031	799	1.24	51.3	242.50625	233.255049
190.4	12.67098	781	0.62	49.1	244.731818	235.766887
190.4	12.70979	782	0	48.3	246.36262	237.52648
190.4	12.72	781	0	49.3	247.330263	238.551508
190.4	12.46506	779	0	48.4	248.509887	239.208636
	12.44541	778	0	48.9	249.09717	239.4
	12.70119	779	0	48.7	248.981958	239.850447
	12.6128	778	0	49.3	248.905208	240.440588
	12.71072	778	0	49.8	248.788978	240.159517

0.15611	0.05014	0.68637	985.015
0.15612	0.05032	0.68816	986.693
0.15612	0.05051	0.69011	988.493
0.15612	0.0507	0.69186	990.606
0.15612	0.05083	0.69339	992.853
0.15612	0.05098	0.69472	995.12
0.15612	0.05111	0.69655	997.348
0.15612	0.05124	0.69846	999.513
0.15613	0.05139	0.70032	1001.583
0.15614	0.05147	0.70158	1003.032
0.15615	0.05157	0.70257	1004.256
0.15617	0.05167	0.70429	1005.704
0.15619	0.05181	0.70534	1006.935
0.15621	0.05195	0.70738	1008.61
0.15623	0.0521	0.71062	1011.488
0.15626	0.05226	0.71426	1015.787
0.15632	0.05237	0.71751	1021.981
0.15646	0.05253	0.72199	1029.531
0.15677	0.05257	0.72591	1037.613
0.15722	0.05271	0.72986	1046.125
0.15758	0.05278	0.73237	1052.572
0.15784	0.05283	0.73366	1056.74
0.15801	0.05291	0.73462	1059.649
0.15814	0.05295	0.73605	1062.12
0.15823	0.05304	0.73722	1064.456
0.15828	0.05309	0.73861	1066.879
0.1583	0.05319	0.74027	1069.5
0.15831	0.05326	0.742	1071.995
0.15831	0.05332	0.74341	1074.067
0.15831	0.05337	0.7442	1075.462
0.15831	0.0534	0.74499	1076.603
0.15831	0.05344	0.74574	1077.55
0.15831	0.05346	0.74629	1078.251
0.15831	0.0535	0.74673	1078.822
0.15831	0.05354	0.74732	1079.28
0.15831	0.05356	0.74819	1079.596
0.15831	0.0536	0.74914	1079.865
0.15831	0.05362	0.75009	1080.152
0.15831	0.05367	0.75092	1080.508
0.15831	0.05368	0.7517	1080.957
0.15831	0.05372	0.75265	1081.559
0.15831	0.05375	0.75369	1082.324
0.15831	0.0538	0.75453	1083.222
0.15831	0.05386	0.75533	1084.217
0.15831	0.05391	0.75608	1085.262
0.15831	0.05397	0.75677	1086.331
0.15831	0.05401	0.7575	1087.415

11:52:39.701	-12	0	0.00006	0.00093	1.091	0.000106
11:52:40.701	-12	0	0.00006	0.00094	1.098	0.000106
11:52:41.701	-12	0	0.00006	0.00094	1.098	0.000106
11:52:42.701	-12	0	0.00006	0.00088	1.098	0.000106
11:52:43.701	-12	0	0.00005	0.00082	1.102	0.000107
11:52:44.701	-12	0	0.00007	0.00082	1.1	0.000107
11:52:45.701	-12	0	0.00006	0.00083	1.112	0.000108
11:52:46.701	-12	0	0.00007	0.00083	1.116	0.000108
11:52:47.701	-12	0	0.00006	0.00082	1.098	0.000106
11:52:48.701	-12	0	0.00006	0.00082	1.101	0.000107
11:52:49.701	-12	0	0.00007	0.00082	1.109	0.000107
11:52:50.701	-12	0	0.00006	0.00082	1.11	0.000107
11:52:51.701	-12	0	0.00008	0.00082	1.112	0.000108
11:52:52.701	-12	0	0.00004	0.00081	1.11	0.000107
11:52:53.701	-12	0	0.00008	0.00081	1.116	0.000108
11:52:54.701	-12	0	0.00005	0.00082	1.121	0.000108
11:52:55.701	-12	0	0.00006	0.00082	1.122	0.000109
11:52:56.701	-12	0	0.00006	0.00081	1.114	0.000108
11:52:57.701	-12	0	0.00005	0.00082	1.118	0.000108
11:52:58.701	-12	0	0.00008	0.00091	1.118	0.000108
11:52:59.701	-12	0	0.00004	0.00086	1.118	0.000108
11:53:00.701	-12	0	0.00007	0.00082	1.12	0.000108
11:53:01.701	-12	0	0.00005	0.00085	1.124	0.000109
11:53:02.701	-12	0	0.00006	0.00093	1.113	0.000108
11:53:03.701	-12	0	0.00006	0.00102	1.22	0.000118
11:53:04.701	-12	0	0.00008	0.00154	1.864	0.00018
11:53:05.701	-12	0	0.0003	0.00387	5.311	0.000514
11:53:06.701	-12	0	0.00017	0.00491	7.984	0.000772
11:53:07.701	-12	0.00028	0.00029	0.00481	8.223	0.000795
11:53:08.701	-12	0.00046	0.00016	0.0032	6.608	0.000639
11:53:09.701	-12	0.00038	0.00017	0.00233	4.549	0.00044
11:53:10.701	-12	0.00026	0.00014	0.00147	3.153	0.000305
11:53:11.701	-12	0.00017	0.00014	0.00118	2.633	0.000255
11:53:12.701	-12	0.00008	0.00012	0.00085	1.672	0.000162
11:53:13.701	-12	0.00005	0.00009	0.00078	1.333	0.000129
11:53:14.701	-12	0.00004	0.00011	0.00062	1.07	0.000104
11:53:15.701	-12	0.00003	0.00008	0.00042	0.819	0.000079
11:53:16.701	-12	0.00002	0.00008	0.00041	0.601	0.000058
11:53:17.701	-12	0.00001	0.00006	0.00048	0.435	0.000042
11:53:18.701	-12	0.00001	0.00005	0.00059	0.329	0.000032
11:53:19.701	-12	0.00001	0.00007	0.00063	0.255	0.000025
11:53:20.701	-12	0	0.00006	0.00058	0.212	0.000021
11:53:21.701	-12	0	0.00008	0.00068	0.181	0.000018
11:53:22.701	-12	0	0.00007	0.00083	0.184	0.000018
11:53:23.701	-12	0	0.00013	0.00153	0.306	0.00003
11:53:24.701	-12	0	0.00014	0.00152	0.379	0.000037
11:53:25.701	-12	0	0.00011	0.00121	0.506	0.000049

0	0.00E+00	-1.200	-0.100	0.000	0.000	9.900		12.70936	779	0	48.4	248.866699	240
0	0.00E+00	-1.200	-0.100	0.000	0.000	9.200		12.68808	776	0	49	248.677778	240
0	0.00E+00	-1.200	-0.100	0.000	0.000	10.600		12.66187	778	0	49	248.367692	239.560319
0	0.00E+00	-1.200	-0.100	0.000	0.000	10.100		12.59927	778	0	49.1	248.180614	239.4
0	0.00E+00	-1.200	-0.100	0.000	0.000	8.200		12.63	781	0	49.2	248.22525	239.4
0	0.00E+00	-1.200	-0.100	0.000	0.000	10.700		12.70753	780	0	48.8	248.682692	238.961194
0	0.00E+00	-1.200	-0.100	0.000	0.000	9.400	190.4	12.55679	779	0	50.5	248.697882	238.8
0	0.00E+00	-1.200	-0.100	0.000	0.000	11.700	190.4	13.03866	795	0	52.1	249.549153	238.195109
0	0.00E+00	-1.200	-0.100	0.000	0.000	9.800	190.4	12.85061	786	0	49.4	248.104806	238.1
0	0.00E+00	-1.300	-0.100	0.000	0.000	10.500	190.4	12.56412	781	0	49.8	246.167942	238.02875
0	0.00E+00	-1.300	-0.100	0.000	0.000	11.200	190.4	12.64388	778	0	49.5	244.118367	237.5
0	0.00E+00	-1.300	-0.100	0.000	0.000	9.700	190.4	12.78379	778	0	48.8	243.426583	237.316204
0	0.00E+00	-1.200	-0.100	0.000	0.000	12.800	190.4	12.58	779	0	49.7	244.276346	236.566296
0	0.00E+00	-1.200	-0.100	0.000	0.000	7.300	190.4	12.65328	782	0	49.9	246.122308	236.1
0	0.00E+00	-1.100	-0.100	0.000	0.000	12.600	190.4	12.74	781	0	50.5	247.713064	236.1
0	0.00E+00	-1.100	-0.100	0.000	0.000	8.600	190.3	12.63	781	0	50	247.545818	235.183301
0	0.00E+00	-1.100	-0.100	0.000	0.000	10.600	189.9	12.63758	778	0	49.4	246.55	234.9
0	0.00E+00	-1.100	-0.100	0.000	0.000	10.100	189.6	12.63071	781	0	49.4	246.444615	234.9
0	0.00E+00	-1.100	0.000	0.000	0.000	8.400	189.2	12.62275	778	0	49.6	246.385714	233.949098
0	0.00E+00	-1.100	0.000	0.000	0.000	12.800	188.8	12.63643	781	0	49.8	246.248184	234.111377
0	0.00E+00	-1.100	0.000	0.000	0.000	7.400	188.6	12.77	778	0	48.8	246.730624	233.752891
0	0.00E+00	-1.100	0.000	0.000	0.000	11.800	188.6	12.56895	779	0	49	247.547467	233.6
0	0.00E+00	-1.100	0.000	0.000	0.000	8.700	188.6	12.59654	778	0	49	245.694987	232.432
0	0.00E+00	-1.100	0.000	0.000	0.000	10.400	188.6	12.63719	778	0	49.7	244.450998	232.864348
0	0.00E+00	-1.000	0.000	0.000	0.000	9.600	188.6	12.65488	822	0	57.3	241.402756	232.118
0.3	0.00E+00	-1.000	0.000	0.000	0.000	7.900	188.6	16.38079	1015	1.681	59.3	242.030443	234.9802
1.2	0.00E+00	-1.000	0.000	0.000	0.000	11.700	188.6	43.7758	1620	5.409	88.9	244.335593	250.950761
2.9	0.00E+00	-0.700	0.000	0.000	0.000	5.500	188.6	69.23848	2105	9.302	65	252.02108	286.886947
8.2	2.70E+00	3.500	0.000	2.737	0.000	9.600	188.6	65.46977	1993	12.49	58.4	254.080539	311.704783
9.8	5.70E+00	7.200	0.000	5.708	0.000	6.500	188.7	48.09677	1851	15.242	73.4	250.477351	325.381413
14.8	6.40E+00	8.100	0.000	6.403	0.000	9.500	189.1	35.02696	1645	17.718	70.8	251.387332	324.824158
15.9	6.20E+00	7.800	0.000	6.209	0.000	11.400	189.5	25.61713	1533	18.939	53.7	252.833835	321.213267
19.3	4.90E+00	6.200	0.000	4.875	0.000	13.000	189.8	23.56193	1473	19.87	27.3	249.225625	306.664516
19.7	3.60E+00	4.600	0.000	3.639	0.000	17.000	190.2	11.90979	1168	19.87	0	251.487815	288.263023
21.1	2.60E+00	3.300	0.000	2.623	0.000	15.000		11.04008	1094	19.87	0.8	250.455682	273.741923
21.1	1.90E+00	2.400	0.000	1.916	0.000	19.600		10.85644	1086	20.307	1.1	248.981393	260.658
21.1	1.40E+00	1.800	0.000	1.443	0.000	14.700		10.57939	1086	20.289	0.3	248.265142	248.595674
21	1.10E+00	1.300	0.000	1.075	0.000	14.600		10.54877	1074	19.87	0.8	247.685031	239.927143
20.8	8.00E-01	1.000	0.000	0.832	0.000	11.500		10.63	1082	20.306	0.5	246.584688	231.646162
20.9	6.00E-01	0.800	0.000	0.644	0.000	10.200		10.94453	1132	20.49	0	246.229167	225.104413
21.2	5.00E-01	0.600	0.000	0.478	0.000	13.000		11.11449	1170	20.49	0	245.588957	218.177745
21.4	2.00E-01	0.200	0.000	0.201	0.000	11.200		11.22228	1194	21.11	0	245.464959	212.515644
21.9	0.00E+00	0.000	0.000	0.000	0.000	14.700		11.62934	1233	21.11	0	244.877604	207.341692
21.9	0.00E+00	0.000	0.000	0.000	0.000	10.300		11.83	1238	21.11	6.7	244.249686	202.132899
22	0.00E+00	-0.200	0.000	0.000	0.000	10.700	188.6	26.5509	1527	21.11	21.2	244.047047	200.5996
22	0.00E+00	-0.400	0.000	0.000	0.000	11.300	188.6	27.19176	1524	21.11	25.7	240.236531	199.205646
21.9	0.00E+00	-0.500	0.000	0.000	0.000	11.700	188.6	24.53664	1387	20.618	11.9	241.053892	196.851866

0.15831	0.05407	0.75843	1088.506
0.15831	0.05413	0.75937	1089.604
0.15831	0.05419	0.76031	1090.702
0.15831	0.05425	0.76119	1091.8
0.15831	0.0543	0.76201	1092.902
0.15831	0.05437	0.76283	1094.002
0.15831	0.05443	0.76366	1095.114
0.15831	0.0545	0.76449	1096.23
0.15831	0.05456	0.76531	1097.328
0.15831	0.05462	0.76613	1098.429
0.15831	0.05469	0.76695	1099.538
0.15831	0.05475	0.76777	1100.648
0.15831	0.05483	0.76859	1101.76
0.15831	0.05487	0.7694	1102.87
0.15831	0.05495	0.77021	1103.986
0.15831	0.055	0.77103	1105.107
0.15831	0.05506	0.77185	1106.229
0.15831	0.05512	0.77266	1107.343
0.15831	0.05517	0.77348	1108.461
0.15831	0.05525	0.77439	1109.579
0.15831	0.05529	0.77525	1110.697
0.15831	0.05536	0.77607	1111.817
0.15831	0.05541	0.77692	1112.941
0.15831	0.05547	0.77785	1114.054
0.15831	0.05553	0.77887	1115.274
0.15831	0.05561	0.78041	1117.138
0.15831	0.05591	0.78428	1122.449
0.15831	0.05608	0.78919	1130.433
0.15859	0.05637	0.794	1138.656
0.15905	0.05653	0.7972	1145.264
0.15943	0.0567	0.79953	1149.813
0.15969	0.05684	0.801	1152.966
0.15986	0.05698	0.80218	1155.599
0.15994	0.0571	0.80303	1157.271
0.15999	0.05719	0.80381	1158.604
0.16003	0.0573	0.80443	1159.674
0.16006	0.05738	0.80485	1160.493
0.16008	0.05746	0.80526	1161.094
0.16009	0.05752	0.80574	1161.529
0.1601	0.05757	0.80633	1161.858
0.16011	0.05764	0.80696	1162.113
0.16011	0.0577	0.80754	1162.325
0.16011	0.05778	0.80822	1162.506
0.16011	0.05785	0.80905	1162.69
0.16011	0.05798	0.81058	1162.996
0.16011	0.05812	0.8121	1163.375
0.16011	0.05823	0.81331	1163.881

11:53:26.701	-12	0	0.00009	0.00106	0.471	0.000046
11:53:27.701	-12	0	0.00006	0.00072	0.441	0.000043
11:53:28.701	-12	0	0.0001	0.00079	0.454	0.000044
11:53:29.701	-12	0	0.00007	0.00087	0.367	0.000036
11:53:30.701	-12	0	0.00009	0.00117	0.288	0.000028
11:53:31.701	-12	0	0.00012	0.002	0.449	0.000044
11:53:32.701	-12	0	0.00013	0.00267	1.303	0.000127
11:53:33.701	-12	0	0.00015	0.0061	3.325	0.000323
11:53:34.701	-12	0	0.00005	0.00511	4.833	0.000468
11:53:35.701	-12	0.00001	0.00015	0.0032	5.408	0.000523
11:53:36.701	-12	0.00001	0.00004	0.00242	5.093	0.000492
11:53:37.701	-12	0.00001	0.00009	0.00242	4.725	0.000457
11:53:38.701	-12	0.00002	0.00005	0.00167	3.952	0.000382
11:53:39.701	-12	0.00003	0.00005	0.00155	3.514	0.00034
11:53:40.701	-12	0.00003	0.00009	0.00152	3.261	0.000315
11:53:41.701	-12	0.00003	0.00011	0.00105	3.112	0.000301
11:53:42.701	-12	0.00002	0.0002	0.001	3.04	0.000294
11:53:43.701	-12	0.00002	0.00014	0.00127	3.024	0.000292
11:53:44.701	-12	0.00001	0.0002	0.00129	3.068	0.000297
11:53:45.701	-12	0.00001	0.00013	0.00112	2.653	0.000257
11:53:46.701	-12	0	0.00011	0.00098	2.007	0.000194
11:53:47.701	-12	0	0.00009	0.00079	1.493	0.000144
11:53:48.701	-12	0	0.00008	0.00092	1.329	0.000129
11:53:49.701	-12	0	0.0001	0.00094	1.038	0.000101
11:53:50.701	-12	0	0.00006	0.00071	0.765	0.000074
11:53:51.701	-12	0	0.00008	0.00059	0.592	0.000057
11:53:52.701	-12	0	0.00006	0.00086	0.511	0.00005
11:53:53.701	-12	0	0.00005	0.00093	0.48	0.000047
11:53:54.701	-12	0	0.00006	0.001	0.486	0.000047
11:53:55.701	-12	0	0.00003	0.00116	0.563	0.000055
11:53:56.701	-12	0	0.00005	0.00138	0.701	0.000068
11:53:57.701	-12	0	0.00004	0.00132	0.892	0.000086
11:53:58.701	-12	0	0.0001	0.00161	1.341	0.00013
11:53:59.701	-12	0.00001	0.00014	0.00247	2.724	0.000264
11:54:00.701	-12	0.00001	0.00024	0.00424	5.242	0.000507
11:54:01.701	-12	0.00002	0.00026	0.00546	7.749	0.000749
11:54:02.701	-12	0.00019	0.00021	0.00468	10.273	0.000992
11:54:03.701	-12	0.00059	0.00038	0.00443	11.546	0.001115
11:54:04.701	-12	0.00105	0.00029	0.00464	12.421	0.001199
11:54:05.701	-12	0.00123	0.00045	0.00427	11.312	0.001092
11:54:06.701	-12	0.00118	0.00024	0.0042	9.257	0.000894
11:54:07.701	-12	0.00098	0.00021	0.00328	7.339	0.000709
11:54:08.701	-12	0.00048	0.00013	0.00086	3.025	0.000292
11:54:09.701	-12	0.0004	0.00009	0.00005	1.94	0.000188
11:54:10.701	-12	0.0003	0.00013	0.0008	1.323	0.000128
11:54:11.701	-12	0.00034	0.00017	0.00478	2.885	0.00028
11:54:12.701	-12	0.00035	0.00039	0.00921	7.027	0.000681

21.8	0.00E+00	-0.500	0.000	0.000	0.000	12.900
21.5	0.00E+00	-0.600	0.000	0.000	0.000	10.200
20.3	0.00E+00	-0.600	0.000	0.000	0.000	14.800
16.6	0.00E+00	-0.600	0.000	0.000	0.000	11.100
15.9	0.00E+00	-0.700	0.000	0.000	0.000	12.700
13.6	0.00E+00	-0.800	0.000	0.000	0.000	11.400
13	0.00E+00	-0.900	0.000	0.000	0.000	8.200
11.2	0.00E+00	-1.000	0.000	0.000	0.000	7.700
12.1	0.00E+00	-1.100	0.000	0.000	0.024	2.300
14.8	1.00E-01	-1.000	0.100	0.000	0.079	7.400
15.4	2.00E-01	-0.600	0.200	0.000	0.157	2.300
17.5	2.00E-01	0.000	0.200	0.000	0.157	5.300
18	4.00E-01	0.300	0.200	0.260	0.158	3.200
19.6	6.00E-01	0.500	0.200	0.420	0.158	3.700
19.7	7.00E-01	0.600	0.200	0.501	0.159	6.800
19.9	7.00E-01	0.700	0.200	0.557	0.159	8.300
19.9	5.00E-01	0.600	0.100	0.454	0.080	14.800
19.8	4.00E-01	0.400	0.100	0.319	0.080	10.400
19.8	3.00E-01	0.300	0.100	0.215	0.080	14.500
20	1.00E-01	0.100	0.100	0.055	0.080	11.200
19.8	1.00E-01	0.000	0.100	0.000	0.080	12.900
19	1.00E-01	0.000	0.100	0.000	0.080	13.300
18.2	1.00E-01	-0.100	0.100	0.000	0.081	11.100
15.9	1.00E-01	-0.100	0.100	0.000	0.081	14.800
15.9	1.00E-01	-0.200	0.100	0.000	0.082	9.400
14.7	1.00E-01	-0.300	0.100	0.000	0.083	12.800
9.7	1.00E-01	-0.400	0.100	0.000	0.083	9.600
5.8	1.00E-01	-0.400	0.100	0.000	0.083	8.800
4.4	1.00E-01	-0.600	0.100	0.000	0.083	9.300
0	1.00E-01	-0.700	0.100	0.000	0.083	5.600
0	1.00E-01	-0.700	0.100	0.000	0.082	9.100
0	1.00E-01	-0.800	0.100	0.000	0.082	7.100
0	1.00E-01	-0.800	0.100	0.000	0.081	12.400
0	1.00E-01	-0.900	0.100	0.000	0.106	9.500
1	2.00E-01	-0.900	0.200	0.000	0.160	10.300
4.4	2.00E-01	-0.700	0.200	0.000	0.158	9.000
5.9	1.60E+00	1.800	0.200	1.406	0.157	5.800
10.7	4.50E+00	5.600	0.200	4.361	0.181	9.700
12.1	7.60E+00	9.400	0.300	7.362	0.234	7.000
16.6	9.70E+00	12.100	0.300	9.460	0.234	11.700
17.8	1.09E+01	13.600	0.300	10.629	0.261	7.300
21.6	1.15E+01	14.300	0.400	11.201	0.313	8.000
21.9	1.13E+01	13.700	0.400	10.932	0.319	10.100
22.8	9.60E+00	11.400	0.400	9.309	0.326	7.100
22	6.90E+00	8.000	0.400	6.600	0.331	9.700
19.7	4.30E+00	4.800	0.400	3.963	0.305	7.100
19.4	3.10E+00	3.500	0.300	2.810	0.241	11.500

188.6	11.42133	1145	19.825	1.5	234.095876	191.691218
188.6	9.87811	992	17.695	8.6	223.410769	188.731278
188.6	14.39266	876	15.245	16.9	216.636226	186.574783
188.6	13.44461	817	13.328	24.9	215.535551	184.9
188.6	14.14107	928	12.06	14.3	215.125678	184.198129
188.6	21.22945	1338	11.18	49.6	226.610075	187.279362
188.6	36.49877	1549	11.131	71.6	228.080385	206.564136
188.6	46.83948	1714	12.942	68.4	236.984453	235.303796
188.6	46.09823	1805	14.76	72.2	246.1397	261.298821
188.6	41.81063	1674	16.123	74.4	253.37887	280.17
188.6	39.16928	1677	17.466	72	253.786957	292.498703
	34.45424	1615	18.073	66.9	255.982682	298.278803
	29.58052	1532	18.63	53	257.002505	297.781325
	28.64966	1544	18.63	55.8	256.878704	293.356428
	28.53264	1541	19.188	53.5	255.6804	289.100508
	28.60136	1553	19.25	54.6	253.817562	285.703607
188.7	29.43297	1556	19.25	52.6	252.947601	283.228
189	29.07248	1561	19.25	52.9	251.869025	281.9912
189.4	29.34102	1553	19.25	50.6	251.58019	280.808709
189.8	26.3716	1455	18.63	33.7	251.378088	276.792993
190.1	18.33194	1288	17.946	14	247.448923	267.144
190.4	12.70568	983	16.415	7.6	244.399423	254.8488
190.4	14.67346	875	14.548	17.1	242.703647	244.8842
190.4	13.40751	840	11.902	23.4	240.956371	236.8912
190.4	12.30937	845	8.88	21.5	239.84717	229.628571
190.4	11.96509	786	6.435	36.8	238.589499	225.500791
	12.82245	815	3.991	48.8	237.474859	223.29336
	12.19077	776	2.301	50.9	237.082983	223.242358
	12.81577	796	0.442	50	236.775337	225.306667
	12.68633	782	0	47.8	237.028687	226.444085
	12.5494	778	0	47.8	237.128927	227.114441
188.6	12.7015	779	0	50.3	236.382759	227.733564
188.6	13.26208	939	0.149	63.3	236.140246	228.745054
188.6	34.04734	1427	2.189	78	237.214929	240.565483
188.6	51.19937	1650	5.226	80.9	238.371721	262.89165
188.6	67.21386	2014	8.389	73	238.020175	293.235814
	83.0229	2045	11.335	67.4	244.597857	320.188437
	85.77475	2197	14.527	71.7	244.843451	356.987205
	89.76065	2144	17.416	70.6	245.064113	379.970911
	86.32629	2130	20.136	70.4	247.647723	397.161389
	65.70235	2076	21.548	70.5	247.230977	398.853984
190.6	46.8937	1802	22.36	43.9	247.447817	399.650201
190.9	19.06006	1353	21.293	15.7	244.756042	360.2102
191.3	25.5576	1463	19.449	29	241.425714	331.049363
191.6	20.24374	1227	18.191	27.7	241.741004	311.67
192	46.2065	1639	17.39	42.8	240.434067	298.986414
192.2	73.47328	1974	18.441	70.1	243.689367	334.65669

0.16011	0.05832	0.81437	1164.352
0.16011	0.05838	0.81509	1164.793
0.16011	0.05848	0.81588	1165.247
0.16011	0.05855	0.81675	1165.614
0.16011	0.05864	0.81792	1165.902
0.16011	0.05876	0.81992	1166.351
0.16011	0.05889	0.82259	1167.654
0.16011	0.05904	0.82869	1170.979
0.16011	0.05909	0.8338	1175.812
0.16012	0.05924	0.837	1181.22
0.16013	0.05928	0.83942	1186.313
0.16014	0.05937	0.84184	1191.038
0.16016	0.05942	0.84351	1194.99
0.16019	0.05947	0.84506	1198.504
0.16022	0.05956	0.84658	1201.765
0.16025	0.05967	0.84763	1204.877
0.16027	0.05987	0.84863	1207.917
0.16029	0.06001	0.8499	1210.941
0.1603	0.06021	0.85119	1214.009
0.16031	0.06034	0.85231	1216.662
0.16031	0.06045	0.85329	1218.669
0.16031	0.06054	0.85408	1220.162
0.16031	0.06062	0.855	1221.491
0.16031	0.06072	0.85594	1222.529
0.16031	0.06078	0.85665	1223.294
0.16031	0.06086	0.85724	1223.886
0.16031	0.06092	0.8581	1224.397
0.16031	0.06097	0.85903	1224.877
0.16031	0.06103	0.86003	1225.363
0.16031	0.06106	0.86119	1225.926
0.16031	0.06111	0.86257	1226.627
0.16031	0.06115	0.86389	1227.519
0.16031	0.06125	0.8655	1228.86
0.16032	0.06139	0.86797	1231.584
0.16033	0.06163	0.87221	1236.826
0.16035	0.06189	0.87767	1244.575
0.16054	0.0621	0.88235	1254.848
0.16113	0.06248	0.88678	1266.394
0.16218	0.06277	0.89142	1278.815
0.16341	0.06322	0.89569	1290.127
0.16459	0.06346	0.89989	1299.384
0.16557	0.06367	0.90317	1306.723
0.16605	0.0638	0.90403	1309.748
0.16645	0.06389	0.90408	1311.688
0.16675	0.06402	0.90488	1313.011
0.16709	0.06419	0.90966	1315.896
0.16744	0.06458	0.91887	1322.923

11:54:13.701	-12	0.00062	0.00029	0.0085	10.651	0.00103
11:54:14.701	-12	0.0012	0.00036	0.00521	11.484	0.001109
11:54:15.701	-12	0.00124	0.00034	0.00432	9.311	0.0009
11:54:16.701	-12	0.00087	0.00017	0.0028	5.793	0.00056
11:54:17.701	-12	0.00072	0.00022	0.00259	4.546	0.00044
11:54:18.701	-12	0.00048	0.00017	0.00127	3.257	0.000315
11:54:19.701	-12	0.00029	0.0002	0.00056	1.896	0.000184
11:54:20.701	-12	0.00013	0.0001	0.00129	1.064	0.000103
11:54:21.701	-12	0.00006	0.00007	0.0008	0.625	0.000061
11:54:22.701	-12	0.00003	0.00007	0.00096	0.474	0.000046
11:54:23.701	-12	0.00003	0.00006	0.00083	0.374	0.000036
11:54:24.701	-12	0.00002	0.00006	0.00085	0.28	0.000027
11:54:25.701	-12	0.00002	0.00005	0.00171	0.38	0.000037
11:54:26.701	-12	0.00003	0.00017	0.00383	1.73	0.000168
11:54:27.701	-12	0.00003	0.00014	0.00727	4.086	0.000396
11:54:28.701	-12	0.00004	0.00032	0.00641	6.745	0.000653
11:54:29.701	-12	0.00006	0.00032	0.00507	9.68	0.000935
11:54:30.701	-12	0.00021	0.00027	0.00358	11.36	0.001097
11:54:31.701	-12	0.00046	0.00039	0.00282	11.301	0.001091
11:54:32.701	-12	0.00046	0.00019	0.00195	6.457	0.000624
11:54:33.701	-12	0.00042	0.0002	0.00254	5.105	0.000493
11:54:34.701	-12	0.00033	0.0001	0.00224	3.993	0.000386
11:54:35.701	-12	0.00028	0.00012	0.00203	3.867	0.000374
11:54:36.701	-12	0.00022	0.00014	0.00218	4.053	0.000392
11:54:37.701	-12	0.00015	0.00012	0.00233	3.984	0.000385
11:54:38.701	-12	0.00011	0.00015	0.0023	3.813	0.000369
11:54:39.701	-12	0.00007	0.00009	0.00225	3.286	0.000318
11:54:40.701	-12	0.00004	0.00009	0.00176	2.744	0.000265
11:54:41.701	-12	0.00003	0.00007	0.0017	2.755	0.000266
11:54:42.701	-12	0.00003	0.00013	0.00196	3.335	0.000322
11:54:43.701	-12	0.00003	0.00015	0.002	4.276	0.000413
11:54:44.701	-12	0.00003	0.00016	0.00173	5.408	0.000522
11:54:45.701	-12	0.00004	0.00014	0.00227	6.503	0.000628
11:54:46.701	-12	0.00004	0.00005	0.00238	7.054	0.000681
11:54:47.701	-12	0.00021	0.00015	0.00243	7.378	0.000712
11:54:48.701	-12	0.00037	0.00011	0.00239	7.34	0.000708
11:54:49.701	-12	0.00049	0.0001	0.00243	6.997	0.000675
11:54:50.701	-12	0.00052	0.00006	0.0026	6.725	0.000649
11:54:51.701	-12	0.00045	0.00008	0.00219	5.435	0.000525
11:54:52.701	-12	0.0004	0.0001	0.00126	4.343	0.000419
11:54:53.701	-12	0.00034	0.00006	0.00149	3.659	0.000354
11:54:54.701	-12	0.00025	0.00009	0.00175	3.292	0.000318
11:54:55.701	-12	0.00019	0.00008	0.00177	3.324	0.000321
11:54:56.701	-12	0.00014	0.0001	0.00168	3.567	0.000345
11:54:57.701	-12	0.00011	0.00009	0.00182	3.99	0.000385
11:54:58.701	-12	0.00011	0.00012	0.00226	5.258	0.000508
11:54:59.701	-12	0.00013	0.00018	0.00341	7.15	0.00069

18.3	4.90E+00	5.900	0.300	4.659	0.263	7.500
19.3	9.00E+00	11.100	0.400	8.721	0.313	9.000
22.4	1.14E+01	14.000	0.500	10.970	0.392	10.300
23.1	1.23E+01	15.200	0.500	11.935	0.393	8.100
25.3	1.20E+01	14.700	0.500	11.624	0.396	12.100
25.3	9.50E+00	11.300	0.500	9.067	0.401	11.300
25.4	6.40E+00	7.300	0.500	5.944	0.410	14.700
24.8	4.10E+00	4.600	0.400	3.779	0.330	10.900
22.8	2.60E+00	2.800	0.400	2.295	0.304	10.500
21.3	1.60E+00	1.600	0.300	1.367	0.250	11.200
16.9	1.20E+00	1.100	0.300	0.923	0.252	9.300
14.6	8.00E-01	0.600	0.300	0.536	0.253	8.800
7.7	6.00E-01	0.400	0.300	0.337	0.253	4.700
7.3	5.00E-01	0.300	0.300	0.249	0.249	9.700
5.9	5.00E-01	0.300	0.300	0.216	0.243	6.400
5.9	4.00E-01	0.200	0.300	0.159	0.238	11.500
7.1	5.00E-01	0.400	0.300	0.304	0.235	9.400
12.7	1.70E+00	1.900	0.300	1.466	0.234	7.100
19.2	3.70E+00	4.400	0.300	3.421	0.234	10.200
21.2	5.90E+00	7.200	0.300	5.630	0.236	7.900
27.3	6.40E+00	7.800	0.300	6.184	0.237	10.200
27.3	6.50E+00	7.900	0.300	6.216	0.237	6.600
28.4	5.70E+00	7.000	0.300	5.507	0.237	8.400
32.2	4.30E+00	5.200	0.300	4.090	0.237	8.800
33.1	3.00E+00	3.500	0.300	2.752	0.237	7.800
33.4	2.10E+00	2.400	0.300	1.881	0.237	9.800
34.4	1.50E+00	1.600	0.300	1.245	0.238	6.600
34.4	1.10E+00	1.000	0.300	0.824	0.238	8.000
34.4	8.00E-01	0.800	0.300	0.610	0.238	6.400
34.4	7.00E-01	0.500	0.300	0.426	0.237	10.200
34.4	5.00E-01	0.400	0.300	0.289	0.235	10.300
34.4	5.00E-01	0.300	0.300	0.234	0.258	8.600
34.3	5.00E-01	0.300	0.400	0.209	0.311	6.800
34.5	6.00E-01	0.400	0.400	0.319	0.309	2.200
35	2.80E+00	3.300	0.400	2.526	0.309	7.000
35.1	5.20E+00	6.400	0.400	4.910	0.308	5.200
35.4	7.00E+00	8.700	0.400	6.684	0.309	5.000
35.4	7.80E+00	9.700	0.400	7.462	0.309	2.900
35.4	8.10E+00	10.000	0.400	7.775	0.310	4.700
35.2	8.20E+00	10.100	0.400	7.891	0.313	6.800
34.5	7.70E+00	9.400	0.400	7.366	0.315	4.400
34.2	5.90E+00	7.100	0.400	5.612	0.316	7.000
33.3	4.60E+00	5.400	0.400	4.265	0.315	6.200
33	3.30E+00	3.900	0.300	3.073	0.236	7.600
32.2	2.50E+00	2.900	0.300	2.252	0.235	6.500
32.2	1.90E+00	2.100	0.300	1.642	0.234	6.900
32.1	1.70E+00	1.900	0.300	1.444	0.257	8.100

192.2	81.7471	2115	20.269	72.7	256.469588	372.706277
192.2	81.43971	2155	22.355	67.1	278.953694	392.997297
192.2	69.14856	2112	23.498	72.2	308.055625	396.751479
192.2	40.39378	1831	24.669	57	302.450385	394.557426
192.2	29.8107	1808	24.84	39.7	286.409981	376.646537
192.2	30.6246	1743	23.658	18.2	281.613263	350.186811
192.2	29.25573	1684	22.98	9.9	275	324.493407
192.2	19.93192	1583	21.26	0	265.782308	302.204514
192.2	13.62275	1345	18.233	0.1	259.008077	286.050546
192.2	11.16322	1054	14.074	5.1	255.624578	275.042166
192.2	14.78543	880	9.692	16.5	252.328679	266.405528
192.2	12.34535	764	5.811	39.4	250.330368	260.876596
192.2	19.4545	1149	4.97	50	248.123202	261.783974
	38.39177	1601	6.987	74	246.982547	275.646681
	48.86342	1926	9.412	71.1	252.666478	294.746471
	57.87401	1879	12.502	72.7	259.15578	319.464433
	69.74244	2093	16.368	76.5	265.94958	345.755016
	78.35199	2122	20.601	73.9	274.495833	374.173501
192.2	81.828	2207	24.865	69	286.356648	391.340236
192.2	38.47353	1873	27.301	73.5	284.308933	390.397366
192.2	39.07205	1699	29.769	74.5	255.458333	384.72381
192.2	32.5815	1689	31.696	71.8	283.68719	380.852948
192.2	27.78547	1560	32.433	63.7	293.91358	371.332465
192.2	33.96119	1578	32.91	61.3	308.151036	363.44886
192.2	32.95449	1582	32.91	58.3	308.542143	358.564718
192.2	32.07636	1587	33.53	56.3	303.828	352.327653
192.2	30.73905	1475	33.53	51.7	294.175723	346.343279
192.2	24.06509	1315	33.53	58.3	293.316635	341.32998
	23.17209	1312	33.33	68.1	293.021657	338.598335
	28.3965	1306	32.91	73.3	294.033559	338.8285
	33.35807	1310	32.91	79.3	294.814737	340.911983
	40.45372	1313	33.53	80	294.781664	349.098934
	45.02458	1322	33.53	76.1	303.562548	363.466
194.4	45.58812	1344	34.16	81.7	310.330784	377.745887
194.7	46.87665	1353	34.16	78.9	318.691667	390.935792
195.1	45.69825	1355	34.16	79.5	293.503518	399.51066
195.5	44.43908	1353	34.16	78.8	292.212596	405.282642
195.8	43.72375	1349	34.16	77.5	284.852788	410.009322
195.8	33.35084	1334	33.984	68.4	279.184828	402.819499
195.8	28.97166	1307	33.173	71.9	267.962264	391.810311
195.8	28.21446	1280	32.4	77.5	283.134062	383.479545
195.8	25.67923	1251	31.679	74	295.834821	378.20722
195.8	25.33544	1232	31.05	74.9	298.224951	373.506977
195.8	26.93849	1223	31.05	79.4	293.513272	370.1
195.8	28.24593	1220	31.05	82.1	308.942356	370.30303
195.8	36.45739	1306	31.05	85.5	314.242273	376.463112
195.8	51.8346	1520	31.05	68.8	315.331633	390.709913

0.16806	0.06487	0.92737	1333.574
0.16926	0.06523	0.93258	1345.058
0.1705	0.06557	0.9369	1354.369
0.17137	0.06574	0.9397	1360.162
0.17209	0.06596	0.94229	1364.708
0.17257	0.06613	0.94356	1367.965
0.17286	0.06633	0.94412	1369.861
0.17299	0.06643	0.94541	1370.925
0.17305	0.0665	0.94621	1371.55
0.17308	0.06657	0.94717	1372.024
0.17311	0.06663	0.948	1372.398
0.17313	0.06669	0.94885	1372.678
0.17315	0.06674	0.95056	1373.058
0.17318	0.06691	0.95439	1374.788
0.17321	0.06705	0.96166	1378.874
0.17325	0.06737	0.96807	1385.619
0.17331	0.06769	0.97314	1395.299
0.17352	0.06796	0.97672	1406.659
0.17398	0.06835	0.97954	1417.96
0.17444	0.06854	0.98149	1424.417
0.17486	0.06874	0.98403	1429.522
0.17519	0.06884	0.98627	1433.515
0.17547	0.06896	0.9883	1437.382
0.17569	0.0691	0.99048	1441.435
0.17584	0.06922	0.99281	1445.419
0.17595	0.06937	0.99511	1449.232
0.17602	0.06946	0.99736	1452.518
0.17606	0.06955	0.99912	1455.262
0.17609	0.06962	1.00082	1458.017
0.17612	0.06975	1.00278	1461.352
0.17615	0.0699	1.00478	1465.628
0.17618	0.07006	1.00651	1471.036
0.17622	0.0702	1.00878	1477.539
0.17626	0.07025	1.01116	1484.593
0.17647	0.0704	1.01359	1491.971
0.17684	0.07051	1.01598	1499.311
0.17733	0.07061	1.01841	1506.308
0.17785	0.07067	1.02101	1513.033
0.1783	0.07075	1.0232	1518.468
0.1787	0.07085	1.02446	1522.811
0.17904	0.07091	1.02595	1526.47
0.17929	0.071	1.0277	1529.762
0.17948	0.07108	1.02947	1533.086
0.17962	0.07118	1.03115	1536.653
0.17973	0.07127	1.03297	1540.643
0.17984	0.07139	1.03523	1545.901
0.17997	0.07157	1.03864	1553.051

11:55:00.701	-12	0.00032	0.00009	0.00347	7.13	0.000688
11:55:01.701	-12	0.00055	0.00019	0.00333	6.886	0.000665
11:55:02.701	-12	0.00058	0.00009	0.00328	6.396	0.000618
11:55:03.701	-12	0.00051	0.00011	0.00229	5.207	0.000503
11:55:04.701	-12	0.00042	0.0001	0.00134	4.293	0.000415
11:55:05.701	-12	0.0003	0.00009	0.00155	3.688	0.000356
11:55:06.701	-12	0.00019	0.00011	0.00181	3.267	0.000316
11:55:07.701	-12	0.00016	0.00009	0.00208	3.5	0.000338
11:55:08.701	-12	0.00012	0.00017	0.00193	3.571	0.000345
11:55:09.701	-12	0.0001	0.0001	0.00208	4.006	0.000387
11:55:10.701	-12	0.00009	0.00017	0.00232	4.715	0.000456
11:55:11.701	-12	0.00009	0.00012	0.00305	5.591	0.00054
11:55:12.701	-12	0.00011	0.00015	0.00336	6.276	0.000606
11:55:13.701	-12	0.0002	0.00016	0.00288	6.082	0.000587
11:55:14.701	-12	0.0003	0.00012	0.0025	5.431	0.000525
11:55:15.701	-12	0.00033	0.00018	0.00274	5.204	0.000503
11:55:16.701	-12	0.00033	0.00011	0.00275	5.18	0.000501
11:55:17.701	-12	0.00028	0.00019	0.00275	5.208	0.000503
11:55:18.701	-12	0.00022	0.00015	0.00279	5.277	0.00051
11:55:19.701	-12	0.00018	0.00017	0.0027	5.289	0.000511
11:55:20.701	-12	0.00016	0.00018	0.00243	5.255	0.000508
11:55:21.701	-12	0.00014	0.00011	0.00239	5.163	0.000499
11:55:22.701	-12	0.00012	0.00018	0.00209	5.057	0.000489
11:55:23.701	-12	0.0001	0.0001	0.00196	4.435	0.000428
11:55:24.701	-12	0.00007	0.00012	0.00152	3.203	0.00031
11:55:25.701	-12	0.00005	0.00011	0.00134	2.793	0.00027
11:55:26.701	-12	0.00005	0.00016	0.00122	2.776	0.000269
11:55:27.701	-12	0.00004	0.00018	0.00183	2.755	0.000267
11:55:28.701	-12	0.00002	0.00016	0.003	3.363	0.000325
11:55:29.701	-12	0.00001	0.00022	0.00427	4.947	0.000478
11:55:30.701	-12	0.00001	0.00014	0.00533	7.8	0.000754
11:55:31.701	-12	0.0001	0.00019	0.00405	8.287	0.0008
11:55:32.701	-12	0.00031	0.00018	0.00349	8.933	0.000862
11:55:33.701	-12	0.00038	0.00019	0.00292	8.361	0.000807
11:55:34.701	-12	0.00037	0.00018	0.00309	7.609	0.000735
11:55:35.701	-12	0.00034	0.00009	0.00314	6.607	0.000638
11:55:36.701	-12	0.00032	0.00017	0.00316	6.066	0.000586
11:55:37.701	-12	0.00027	0.00012	0.00292	6.014	0.000581
11:55:38.701	-12	0.00021	0.00017	0.00234	6.031	0.000582
11:55:39.701	-12	0.00015	0.00015	0.00208	5.384	0.00052
11:55:40.701	-12	0.00009	0.00014	0.00147	3.695	0.000357
11:55:41.701	-12	0.00006	0.00012	0.00141	3.004	0.00029
11:55:42.701	-12	0.00005	0.00012	0.00127	2.646	0.000256
11:55:43.701	-12	0.00003	0.00017	0.00128	2.318	0.000224
11:55:44.701	-12	0.00003	0.00015	0.00197	2.264	0.000219
11:55:45.701	-12	0.00002	0.0002	0.00199	3.108	0.000301
11:55:46.701	-12	0	0.0002	0.00356	4.394	0.000425

32.3	4.30E+00	5.200	0.400	4.019	0.310	4.200		46.33678	1520	31.67	73	323.931723	401.085856
32.8	7.60E+00	9.400	0.400	7.270	0.310	8.700		47.05503	1534	32.29	76.9	329.111909	407.772522
33	8.70E+00	10.800	0.400	8.354	0.310	4.300		42.57489	1545	32.29	65.6	335.438283	410.85423
33.6	8.80E+00	10.800	0.400	8.455	0.312	6.100		34.50364	1534	32.29	62.2	331.022599	402.688911
33.5	8.30E+00	10.200	0.400	8.001	0.314	6.800		28.22079	1512	31.67	56.3	327.897973	391.177981
33	6.40E+00	7.700	0.400	6.115	0.316	6.700	195.8	30.4018	1496	31.075	62.9	306.963436	381.914363
32.8	4.50E+00	5.300	0.400	4.227	0.317	8.800	195.8	25.79413	1481	31.05	48.2	307.404031	372.554118
32.3	3.40E+00	3.800	0.400	3.033	0.317	6.100	195.8	29.92608	1476	31.05	64	299.930334	364.90971
32.3	2.40E+00	2.600	0.400	2.074	0.317	11.700	195.8	31.33921	1479	31.05	64.8	296.242045	361.111263
32.1	1.80E+00	1.900	0.400	1.509	0.317	6.600	195.7	34.04477	1494	31.081	68.5	298.128958	361.940178
32.2	1.50E+00	1.500	0.400	1.158	0.315	9.500	195.3	38.17363	1511	31.67	74.5	296.582569	367.200319
32.6	1.40E+00	1.400	0.400	1.098	0.314	6.300	195	41.91403	1540	32.29	74.3	288.99952	376.186645
32.9	1.60E+00	1.600	0.500	1.228	0.391	6.900	194.6	45.28368	1574	32.91	73.7	281.943077	385.414925
33.8	3.00E+00	3.300	0.500	2.567	0.390	8.100	194.2	45.5298	1605	33.53	71	294.494118	394.746783
34.1	4.90E+00	5.700	0.500	4.465	0.392	6.600		39.03746	1628	34.16	71.4	303.305714	391.859882
35.1	5.40E+00	6.400	0.500	5.045	0.392	9.600		39.03449	1645	34.16	73.7	301.8	391.076482
35.3	5.40E+00	6.400	0.500	5.024	0.392	6.200		38.61645	1657	34.78	73.3	300.744821	390.4
35.8	4.60E+00	5.400	0.400	4.249	0.314	10.400		39.16192	1666	34.78	73.1	301.827419	390.363725
35.9	3.60E+00	4.200	0.400	3.269	0.314	8.300		39.77428	1676	35.4	72.9	298.6352	388.71484
36.1	3.00E+00	3.400	0.400	2.642	0.314	8.900	194	40.38897	1686	35.4	72.6	296.122754	388.7
36.2	2.60E+00	2.900	0.400	2.303	0.314	9.900	194	39.24084	1695	35.4	72.3	293.883871	388.7
36.5	2.40E+00	2.600	0.400	2.073	0.314	6.200	194	38.595	1698	35.4	69	302.454167	387.995057
36.6	2.00E+00	2.200	0.400	1.727	0.314	10.100	194	36.84147	1701	35.4	66.3	305.567347	386.327843
36.9	1.90E+00	2.000	0.400	1.570	0.314	6.400	194	34.34621	1697	35.4	56.6	304.436364	383.936957
36.9	1.80E+00	1.900	0.400	1.525	0.315	10.500	194	24.18179	1424	35.379	49.6	314.505132	370.388293
36.7	1.50E+00	1.600	0.300	1.243	0.238	10.200	194	21.46175	1360	34.507	32.5	326.00799	356.529892
36.3	1.20E+00	1.100	0.300	0.912	0.240	12.600	194	25.02804	1334	33.821	56.2	318.542755	343.166972
35.2	8.00E-01	0.700	0.300	0.594	0.217	13.100	194	29.57095	1310	33.197	70.1	315.667925	338.786733
35	5.00E-01	0.400	0.200	0.326	0.160	10.400	194	34.59579	1310	32.91	74	317.022041	344.365916
34.4	2.00E-01	0.000	0.200	0.000	0.158	12.000	194	40.63449	1310	33.205	78.9	320.833333	356.175639
34.4	2.00E-01	0.000	0.200	0.000	0.156	5.300	194	51.99674	1529	33.53	74.4	328.777433	374.37913
34.4	1.20E+00	1.300	0.200	1.036	0.155	7.300	194	53.07171	1614	33.53	77.6	331.435356	394.67954
34.5	3.40E+00	4.200	0.200	3.284	0.155	6.700	194	54.888	1628	34.16	75.7	333.156452	410.381739
35	4.40E+00	5.400	0.200	4.209	0.155	7.200	194	53.46287	1649	34.774	71.6	326.192674	419.303077
35.3	4.60E+00	5.700	0.200	4.436	0.156	7.300	194.4	50.70092	1675	34.876	74.1	326.567083	422.386555
36.1	4.60E+00	5.800	0.100	4.529	0.078	4.100	194.8	45.30931	1703	35.599	74	318.15838	419.830945
36.1	4.50E+00	5.700	0.100	4.443	0.078	8.100	195.2	42.65292	1727	36.02	74.8	315.513438	413.446194
36.4	3.90E+00	5.000	0.000	3.932	0.000	5.700	195.5	43.7916	1746	36.64	74.6	317.799811	410.164706
37.5	3.10E+00	3.900	0.000	3.071	0.000	8.200		44.44913	1764	36.839	74.5	318.738942	408.997009
38	2.50E+00	3.100	0.000	2.459	0.000	8.300		39.40377	1776	37.26	68.4	320.262428	406.363824
38	2.10E+00	2.700	0.000	2.147	0.000	10.500		26.7157	1618	37.26	50.6	322.26537	397.299109
38.2	1.60E+00	2.100	0.000	1.644	0.000	10.600		23.01214	1443	36.64	47.6	319.585455	382.702752
38.1	1.30E+00	1.600	0.000	1.278	0.000	10.900		23.05188	1417	36.02	42.6	317.445731	366.233333
37.6	9.00E-01	1.100	0.000	0.912	0.000	15.400	194	23.05215	1389	35.27	45.6	317.216516	351.931599
37.2	7.00E-01	0.900	0.000	0.700	0.000	12.400	194	23.99689	1365	34.78	66	312.116604	343.795719
36.1	3.00E-01	0.400	0.000	0.326	0.000	13.400	194	31.29814	1353	34.16	82.9	308.083558	346.859653
36	1.00E-01	0.100	0.000	0.055	0.000	11.600	194	41.19677	1357	34.526	81	308.40179	359.110542

0.18029	0.07166	1.04211	1560.181
0.18084	0.07185	1.04544	1567.067
0.18142	0.07194	1.04872	1573.463
0.18193	0.07205	1.05101	1578.67
0.18235	0.07215	1.05235	1582.963
0.18265	0.07224	1.0539	1586.651
0.18284	0.07235	1.05571	1589.918
0.183	0.07244	1.05779	1593.418
0.18312	0.07261	1.05972	1596.989
0.18322	0.07271	1.0618	1600.995
0.18331	0.07288	1.06412	1605.71
0.1834	0.073	1.06717	1611.301
0.18351	0.07315	1.07053	1617.577
0.18371	0.07331	1.07341	1623.659
0.18401	0.07343	1.07591	1629.09
0.18434	0.07361	1.07865	1634.294
0.18467	0.07372	1.0814	1639.474
0.18495	0.07391	1.08415	1644.682
0.18517	0.07406	1.08694	1649.959
0.18535	0.07423	1.08964	1655.248
0.18551	0.07441	1.09207	1660.503
0.18565	0.07452	1.09446	1665.666
0.18577	0.0747	1.09655	1670.723
0.18587	0.0748	1.09851	1675.158
0.18594	0.07492	1.10003	1678.361
0.18599	0.07503	1.10137	1681.154
0.18604	0.07519	1.10259	1683.93
0.18608	0.07537	1.10442	1686.685
0.1861	0.07553	1.10742	1690.048
0.18611	0.07575	1.11169	1694.995
0.18612	0.07589	1.11702	1702.795
0.18622	0.07608	1.12107	1711.082
0.18653	0.07626	1.12456	1720.015
0.18691	0.07645	1.12748	1728.376
0.18728	0.07663	1.13057	1735.985
0.18762	0.07672	1.13371	1742.592
0.18794	0.07689	1.13687	1748.658
0.18821	0.07701	1.13979	1754.672
0.18842	0.07718	1.14213	1760.703
0.18857	0.07733	1.14421	1766.087
0.18866	0.07747	1.14568	1769.782
0.18872	0.07759	1.14709	1772.786
0.18877	0.07771	1.14836	1775.432
0.1888	0.07788	1.14964	1777.75
0.18883	0.07803	1.15161	1780.014
0.18885	0.07823	1.1536	1783.122
0.18885	0.07843	1.15716	1787.516

11:55:47.701	-12	0	0.0002	0.00312	5.562	0.000537
11:55:48.701	-12	0	0.00018	0.00236	5.948	0.000574
11:55:49.701	-12	0	0.00015	0.00215	6.103	0.000589
11:55:50.701	-12	0.00002	0.00018	0.00205	5.707	0.000551
11:55:51.701	-12	0.00003	0.00011	0.00193	4.94	0.000477
11:55:52.701	-12	0.00004	0.00016	0.00218	4.135	0.0004
11:55:53.701	-12	0.00004	0.00011	0.00225	3.676	0.000355
11:55:54.701	-12	0.00004	0.00012	0.00224	3.743	0.000362
11:55:55.701	-12	0.00003	0.00015	0.00225	4.153	0.000401
11:55:56.701	-12	0.00003	0.00014	0.0026	5.189	0.000501
11:55:57.701	-12	0.00003	0.00025	0.00406	7.354	0.00071
11:55:58.701	-12	0.00005	0.00016	0.00361	8.681	0.000838
11:55:59.701	-12	0.00014	0.0002	0.00327	8.431	0.000814
11:56:00.701	-12	0.00018	0.00006	0.00283	7.408	0.000715
11:56:01.701	-12	0.00017	0.00011	0.00253	6.222	0.000601
11:56:02.701	-12	0.00016	0.00013	0.00301	6.016	0.000581
11:56:03.701	-12	0.00015	0.00007	0.00304	6.161	0.000595
11:56:04.701	-12	0.00013	0.00012	0.00249	6.33	0.000611
11:56:05.701	-12	0.00012	0.00005	0.00229	6.195	0.000598
11:56:06.701	-12	0.00009	0.00012	0.00244	6	0.000579
11:56:07.701	-12	0.00008	0.0001	0.00264	5.964	0.000576
11:56:08.701	-12	0.00007	0.00017	0.00254	5.896	0.000569
11:56:09.701	-12	0.00006	0.00013	0.00202	5.251	0.000507
11:56:10.701	-12	0.00005	0.00012	0.00214	4.74	0.000458
11:56:11.701	-12	0.00005	0.00018	0.00253	4.376	0.000423
11:56:12.701	-12	0.00004	0.0001	0.00272	4.233	0.000409
11:56:13.701	-12	0.00004	0.00017	0.0025	4.087	0.000395
11:56:14.701	-12	0.00003	0.0001	0.00204	4.015	0.000388
11:56:15.701	-12	0.00002	0.00012	0.00202	3.991	0.000386
11:56:16.701	-12	0.00001	0.00012	0.00196	3.859	0.000373
11:56:17.701	-12	0	0.0001	0.00197	3.846	0.000372
11:56:18.701	-12	0	0.00014	0.00225	4.067	0.000393
11:56:19.701	-12	0	0.00011	0.00248	4.442	0.000429
11:56:20.701	-12	0	0.0002	0.00243	4.945	0.000478
11:56:21.701	-12	0	0.00015	0.00275	5.912	0.000571
11:56:22.701	-12	0	0.00019	0.0041	6.41	0.000619
11:56:23.701	-12	0.00003	0.00018	0.00405	6.65	0.000642
11:56:24.701	-12	0.00008	0.00012	0.00347	6.163	0.000595
11:56:25.701	-12	0.00009	0.00016	0.00332	5.622	0.000543
11:56:26.701	-12	0.00008	0.00006	0.00318	5.331	0.000515
11:56:27.701	-12	0.00008	0.00013	0.00287	4.79	0.000463
11:56:28.701	-12	0.00007	0.00008	0.00269	4.587	0.000443
11:56:29.701	-12	0.00007	0.00012	0.00251	4.745	0.000458
11:56:30.701	-12	0.00007	0.00009	0.00237	5.085	0.000491
11:56:31.701	-12	0.00007	0.00009	0.0023	5.686	0.000549
11:56:32.701	-12	0.00006	0.00011	0.00197	5.483	0.000529
11:56:33.701	-12	0.00006	0.00004	0.00191	5.15	0.000497

35.7	0.00E+00	0.000	0.000	0.000	0.000	10.800
35.7	0.00E+00	0.000	0.000	0.000	0.000	9.200
35.9	0.00E+00	0.000	0.000	0.024	0.000	8.000
36.1	3.00E-01	0.400	0.000	0.304	0.000	9.800
36.6	5.00E-01	0.700	0.000	0.516	0.000	6.300
36.6	8.00E-01	1.000	0.000	0.810	0.000	10.700
36.5	9.00E-01	1.100	0.000	0.868	0.000	7.700
36.5	8.00E-01	1.100	0.000	0.843	0.000	8.500
36.2	7.00E-01	0.900	0.000	0.682	0.000	9.700
35.2	5.00E-01	0.700	0.000	0.522	0.000	8.000
34.6	4.00E-01	0.600	0.000	0.441	0.000	11.300
34.5	6.00E-01	0.800	0.000	0.623	0.000	6.100
34.2	1.70E+00	2.100	0.000	1.659	0.000	7.900
34.4	2.30E+00	2.900	0.100	2.222	0.078	2.600
35.1	2.50E+00	3.100	0.100	2.420	0.078	5.200
35.1	2.50E+00	3.100	0.100	2.398	0.055	6.600
35.1	2.20E+00	2.900	0.000	2.237	0.000	3.200
35.2	1.80E+00	2.400	0.000	1.848	0.000	5.900
35.7	1.70E+00	2.200	0.000	1.692	0.000	2.500
35.7	1.40E+00	1.700	0.000	1.361	0.000	5.600
35.8	1.10E+00	1.500	0.000	1.149	0.000	5.100
35.7	1.00E+00	1.300	0.000	1.015	0.000	8.400
35.3	9.00E-01	1.200	0.000	0.938	0.000	7.500
35.1	9.00E-01	1.200	0.000	0.942	0.000	6.800
34.6	9.00E-01	1.200	0.000	0.921	0.000	10.800
34.5	8.00E-01	1.100	0.000	0.843	0.000	6.200
34.1	7.00E-01	0.900	-0.100	0.686	0.000	10.600
34	6.00E-01	0.800	-0.100	0.608	0.000	6.400
33.7	4.00E-01	0.500	-0.100	0.427	0.000	7.600
33.7	1.00E-01	0.200	-0.100	0.134	0.000	7.900
33.8	0.00E+00	0.000	-0.100	0.000	0.000	6.900
33.8	0.00E+00	-0.200	-0.100	0.000	0.000	8.700
33.9	0.00E+00	-0.200	-0.100	0.000	0.000	6.500
34.2	0.00E+00	-0.200	-0.100	0.000	0.000	10.700
35	0.00E+00	-0.200	-0.100	0.000	0.000	7.200
35.2	0.00E+00	0.000	0.000	0.000	0.000	8.600
35.9	5.00E-01	0.600	0.000	0.471	0.000	8.300
36.1	1.10E+00	1.500	0.000	1.141	0.000	5.900
36.9	1.30E+00	1.700	0.000	1.332	0.000	7.900
37	1.30E+00	1.700	0.000	1.334	0.000	3.200
37.5	1.30E+00	1.700	0.000	1.334	0.000	7.700
37.5	1.30E+00	1.700	0.000	1.332	0.000	5.200
37.7	1.30E+00	1.700	0.000	1.328	0.000	7.500
37.7	1.20E+00	1.600	0.000	1.224	0.000	5.600
37.9	1.10E+00	1.400	0.100	1.066	0.078	4.700
37.9	1.10E+00	1.300	0.100	1.011	0.078	6.200
37.9	1.10E+00	1.300	0.100	1.014	0.078	2.200

194	36.70513	1359	34.16	77.9	314.107041	369.635
194	41.40036	1371	34.78	78.1	313.577143	379.630564
194	41.27351	1390	35.201	74.1	314.16988	389.63
194	35.35896	1397	35.4	70.9	320.024847	390.393623
194	32.58033	1396	35.4	72.2	320.155649	384.044891
194	29.65435	1381	34.78	72.7	330.092289	379.88663
194.3	28.89589	1365	34.78	71.7	336.438046	376.657397
194.7	29.81238	1344	34.16	75	341.861415	374.589462
195.1	33.23421	1323	33.53	86.7	334.47619	377.305714
195.5	39.14101	1314	33.53	84.9	324.990346	389.158534
195.8	57.5235	1600	32.91	82.3	326.545628	407.180952
195.8	55.28448	1594	33.53	74.1	319.143571	423.472
195.8	52.85733	1609	33.53	75.8	320.50305	433.455044
195.8	47.0133	1613	33.763	72.1	313.887632	429.572778
195.8	42.70731	1617	34.155	75.9	340.973815	425.940764
	42.069	1623	34.16	77.5	341.431056	422.794505
	42.81177	1634	34.16	76.3	341.181289	421.893701
	44.34213	1649	34.78	74.2	338.939634	420.382653
	43.09939	1657	34.78	73.6	339.686061	418.958415
	43.44571	1655	34.78	74.7	338.142331	415.30055
195.8	42.63204	1646	34.632	75.3	346.460656	414.6
195.8	42.98393	1632	34.16	75.9	361.816312	414.313171
195.8	33.10606	1611	33.53	67.1	336.427363	409.242308
195.8	32.97441	1587	33.302	62.1	322.460861	399.586304
195.8	33.89507	1570	32.91	62.9	314.667215	393.441567
195.8	34.30489	1561	32.91	62	314.529191	389.283417
195.8	32.57936	1555	32.605	62.8	316.733677	385.518431
195.8	32.90542	1555	32.647	62.3	313.7475	382.206875
195.8	32.98462	1560	32.29	61.6	318.333542	378.76
195.8	31.13071	1556	32.91	60.6	318.66012	376.513718
195.8	31.28121	1562	32.91	62.5	317.394271	371.907996
195.8	34.56278	1571	32.91	65.6	317.172115	370.965179
195.8	36.61665	1583	32.94	67.1	327.402857	371.882609
195.8	39.89142	1602	33.53	71.7	338.091147	375.333407
195.5	45.7272	1630	34.16	75.5	347.998077	382.993492
195.1	46.42579	1663	34.78	74.8	351.7516	392.51919
194.8	47.1242	1691	35.4	74.2	353.422312	399.449746
194.4	41.75184	1711	36.02	71.9	357.71357	401.567735
194.1	40.7041	1725	36.02	73.3	357.24125	400.5
194.3	40.56738	1735	36.64	74	357.360125	399.969307
194.7	32.88965	1484	36.64	79.4	354.962821	398.655639
195.1	32.80281	1441	36.64	79	357.535511	397.857018
195.5	34.05215	1440	36.64	78.7	342.908846	396.977778
	36.10395	1442	36.64	82.2	337.042308	398.0375
	40.42552	1444	36.64	77.8	337.539904	402.699
	35.27949	1445	36.64	71.8	339.911111	402.49505
	36.1073	1438	36.64	77.8	338.307943	401.3

0.18885	0.07863	1.16028	1793.078
0.18885	0.07881	1.16264	1799.026
0.18885	0.07896	1.16479	1805.129
0.18887	0.07914	1.16684	1810.836
0.1889	0.07925	1.16877	1815.776
0.18894	0.07941	1.17095	1819.911
0.18898	0.07952	1.1732	1823.587
0.18902	0.07964	1.17544	1827.33
0.18905	0.07979	1.17769	1831.483
0.18908	0.07993	1.18029	1836.672
0.18911	0.08018	1.18435	1844.026
0.18916	0.08034	1.18796	1852.707
0.1893	0.08054	1.19123	1861.138
0.18948	0.0806	1.19406	1868.546
0.18965	0.08071	1.19659	1874.768
0.18981	0.08084	1.1996	1880.784
0.18996	0.08091	1.20264	1886.945
0.19009	0.08103	1.20513	1893.275
0.19021	0.08108	1.20742	1899.47
0.1903	0.0812	1.20986	1905.47
0.19038	0.0813	1.2125	1911.434
0.19045	0.08147	1.21504	1917.33
0.19051	0.0816	1.21706	1922.581
0.19056	0.08172	1.2192	1927.321
0.19061	0.0819	1.22173	1931.697
0.19065	0.082	1.22445	1935.93
0.19069	0.08217	1.22695	1940.017
0.19072	0.08227	1.22899	1944.032
0.19074	0.08239	1.23101	1948.023
0.19075	0.08251	1.23297	1951.882
0.19075	0.08261	1.23494	1955.728
0.19075	0.08275	1.23719	1959.795
0.19075	0.08286	1.23967	1964.237
0.19075	0.08306	1.2421	1969.182
0.19075	0.08321	1.24485	1975.094
0.19075	0.0834	1.24895	1981.504
0.19078	0.08358	1.253	1988.154
0.19086	0.0837	1.25647	1994.317
0.19095	0.08386	1.25979	1999.939
0.19103	0.08392	1.26297	2005.27
0.19111	0.08405	1.26584	2010.06
0.19118	0.08413	1.26853	2014.647
0.19125	0.08425	1.27104	2019.392
0.19132	0.08434	1.27341	2024.477
0.19139	0.08443	1.27571	2030.163
0.19145	0.08454	1.27768	2035.646
0.19151	0.08458	1.27959	2040.796

11:56:34.701	-12	0.00007	0.00014	0.00279	5.526	0.000534
11:56:35.701	-12	0.00007	0.00006	0.00245	5.912	0.000571
11:56:36.701	-12	0.00009	0.00014	0.00281	6.657	0.000643
11:56:37.701	-12	0.00008	0.0001	0.00293	5.856	0.000565
11:56:38.701	-12	0.00006	0.00005	0.00183	3.768	0.000364
11:56:39.701	-12	0.00006	0.00008	0.00114	3.159	0.000305
11:56:40.701	-12	0.00006	0.00005	0.00164	2.961	0.000286
11:56:41.701	-12	0.00005	0.0001	0.0017	2.494	0.000241
11:56:42.701	-12	0.00003	0.00007	0.00163	2.31	0.000223
11:56:43.701	-12	0.00002	0.00009	0.00136	1.863	0.00018
11:56:44.701	-12	0.00001	0.00005	0.00099	1.398	0.000135
11:56:45.701	-12	0.00001	0.00006	0.00096	1.152	0.000112
11:56:46.701	-12	0.00001	0.00006	0.00058	0.919	0.000089
11:56:47.701	-12	0.00001	0.00005	0.00038	0.72	0.00007
11:56:48.701	-12	0.00001	0.00006	0.00049	0.517	0.00005
11:56:49.701	-12	0.00001	0.00004	0.00077	0.366	0.000036
11:56:50.701	-12	0.00001	0.00004	0.00088	0.276	0.000027
11:56:51.701	-12	0.00001	0.00003	0.00061	0.222	0.000022
11:56:52.701	-12	0.00001	0.00003	0.00067	0.191	0.000019
11:56:53.701	-12	0.00001	0.00004	0.00069	0.169	0.000016
11:56:54.701	-12	0.00001	0.00002	0.00068	0.148	0.000014
11:56:55.701	-12	0	0.00004	0.00071	0.127	0.000012
11:56:56.701	-12	0	0.00002	0.00077	0.117	0.000011
11:56:57.701	-12	0	0.00003	0.00068	0.109	0.000011
11:56:58.701	-12	0	0.00003	0.00079	0.108	0.000011
11:56:59.701	-12	0	0.00002	0.00086	0.105	0.00001
11:57:00.701	-12	0.00001	0.00005	0.00152	0.169	0.000017
11:57:01.701	-12	0.00001	0.00002	0.00194	0.196	0.000019
11:57:02.701	-12	0.00001	0.0001	0.00268	0.905	0.000088
11:57:03.701	-12	0.00001	0.00007	0.00522	2.528	0.000245
11:57:04.701	-12	0.00001	0.00013	0.00442	3.477	0.000337
11:57:05.701	-12	0.00001	0.00004	0.0017	2.232	0.000216
11:57:06.701	-12	0.00001	0.00002	0.00091	1.603	0.000155
11:57:07.701	-12	0.00001	0.00003	0.00081	1.497	0.000145
11:57:08.701	-12	0.00001	0.00004	0.00047	1.236	0.00012
11:57:09.701	-12	0.00001	0.00006	0.00048	0.606	0.000059
11:57:10.701	-12	0.00001	0.00003	0.0006	0.368	0.000036
11:57:11.701	-12	0.00002	0.0001	0.00183	0.699	0.000068
11:57:12.701	-12	0.00002	0.00011	0.00322	1.053	0.000102
11:57:13.701	-12	0.00002	0.00012	0.00478	2.237	0.000217
11:57:14.701	-12	0.00002	0.00009	0.00448	2.955	0.000286
11:57:15.701	-12	0.00003	0.00004	0.00281	3.307	0.00032
11:57:16.701	-12	0.00005	0.00013	0.00352	4.237	0.00041
11:57:17.701	-12	0.00009	0.00012	0.00511	7.61	0.000736
11:57:18.701	-12	0.00012	0.00023	0.00409	9.185	0.000887
11:57:19.701	-12	0.00016	0.0001	0.00206	5.396	0.000521
11:57:20.701	-12	0.0002	0.00011	0.00269	4.407	0.000426

37.9	1.20E+00	1.400	0.100	1.090	0.078	7.700
37.9	1.20E+00	1.400	0.100	1.086	0.101	3.400
37.9	1.30E+00	1.400	0.200	1.085	0.181	6.600
37.7	1.30E+00	1.400	0.300	1.085	0.232	5.400
37.7	1.30E+00	1.400	0.300	1.094	0.235	4.300
37.5	1.40E+00	1.400	0.400	1.127	0.315	7.100
37.1	1.50E+00	1.500	0.400	1.188	0.317	4.100
36	1.50E+00	1.400	0.400	1.146	0.318	9.600
35.6	1.10E+00	1.000	0.400	0.777	0.318	7.100
34.5	6.00E-01	0.300	0.400	0.270	0.319	10.800
34.1	3.00E-01	0.000	0.400	0.000	0.320	8.500
32.7	3.00E-01	-0.200	0.400	0.000	0.321	9.800
32.1	3.00E-01	-0.500	0.400	0.000	0.324	10.900
30.2	3.00E-01	-0.600	0.400	0.000	0.327	10.800
29.7	3.00E-01	-0.600	0.400	0.000	0.331	12.200
28.1	3.00E-01	-0.700	0.400	0.000	0.334	6.900
27.8	3.00E-01	-0.700	0.400	0.000	0.336	7.300
26.9	3.00E-01	-0.900	0.400	0.000	0.337	6.500
26.7	3.00E-01	-0.900	0.400	0.000	0.337	5.700
26.1	3.00E-01	-1.000	0.400	0.000	0.338	7.200
26	3.00E-01	-1.200	0.400	0.000	0.338	4.800
25.7	3.00E-01	-1.300	0.300	0.000	0.254	7.600
25.7	3.00E-01	-1.300	0.300	0.000	0.254	3.300
25.6	3.00E-01	-1.300	0.300	0.000	0.254	6.200
25.2	3.00E-01	-1.300	0.300	0.000	0.254	5.300
24.9	3.00E-01	-1.300	0.300	0.000	0.254	4.500
24.6	3.00E-01	-1.300	0.300	0.000	0.254	5.000
23.7	3.00E-01	-1.300	0.300	0.000	0.254	2.000
23.7	3.00E-01	-1.300	0.300	0.000	0.251	7.400
23.9	2.00E-01	-1.300	0.300	0.000	0.244	4.300
24.3	2.00E-01	-1.300	0.300	0.000	0.239	8.400
25.5	3.00E-01	-1.200	0.400	0.000	0.285	4.500
25.4	5.00E-01	-0.700	0.600	0.000	0.473	4.000
24.9	6.00E-01	-0.400	0.700	0.000	0.557	4.000
24.3	6.00E-01	-0.300	0.700	0.000	0.570	4.900
22.4	6.00E-01	-0.300	0.700	0.000	0.580	9.700
21.6	5.00E-01	-0.400	0.600	0.000	0.476	5.200
19	4.00E-01	-0.600	0.500	0.000	0.419	8.700
18.5	4.00E-01	-0.700	0.500	0.000	0.417	7.400
17.1	4.00E-01	-0.800	0.500	0.000	0.410	7.300
17.6	4.00E-01	-0.800	0.500	0.000	0.427	6.800
19.4	6.00E-01	-0.500	0.800	0.000	0.605	3.100
19.6	9.00E-01	-0.300	1.100	0.000	0.873	7.600
20.4	9.00E-01	-0.300	1.200	0.000	0.944	4.400
21.3	1.20E+00	0.200	1.400	0.144	1.061	7.700
24.3	2.50E+00	1.400	1.800	1.088	1.431	5.400
24.9	3.50E+00	2.100	2.300	1.686	1.844	6.200

	40.18765	1439	36.64	81	340.488355	406.655879
195.8	38.20183	1437	36.64	80.1	343.083173	410.612961
195.8	42.96883	1438	36.64	84.7	344.048077	416.44036
195.8	38.66971	1435	36.592	69.5	345.960365	416.401904
195.8	23.41129	1417	35.935	63	344.202296	406.996201
195.8	23.72025	1388	35.33	42.9	340.723321	394.170219
195.8	25.78363	1361	34.706	65.8	337.987692	384.485886
195.8	22.13327	1329	33.53	45.1	336.191346	375.122156
195.8	20.4876	1296	32.836	42.9	333.984615	365.053453
195.8	21.28931	1262	32.19	12.9	331.181928	349.824719
195.8	10.97983	1216	30.95	0	327.463462	334.1304
195.8	10.33843	1169	29.586	0	323.466346	321.221976
195.8	9.9288	1123	28.368	0.3	321.753565	310.66634
195.8	10.00202	1177	27.32	0.9	320.366602	301.0936
195.8	10.98517	1271	26.7	0	320.882915	292.829268
195.8	10.70045	1247	26.08	0	317.499796	285.525532
195.6	10.77725	1228	25.46	0	317.319592	278.669277
195.2	10.46523	1208	25.46	0	317.270624	271.99951
194.8	10.3157	1195	24.84	0	313.532994	266.02957
194.5	10.34872	1189	24.84	0	306.537873	260.845603
194.1	10.23609	1181	24.84	0	295.286316	256.865628
194	10.11789	1169	24.22	0	287.099245	251.801303
194	10.11202	1159	24.22	0	284.315337	248.09421
194	10.00163	1149	23.889	0	284.299057	245.035
194	10.26092	1248	23.6	0	288.15725	241.235792
194	11.10362	1311	23.15	0	286.122308	237.907769
	15.20437	1310	22.98	25.8	283.717614	236.453635
	24.55702	1302	22.763	55.4	282.084906	243.035652
	30.07086	1333	23.387	74.2	288.053846	259.24256
	37.76815	1381	24.027	78.6	298.734357	280.530831
	35.69322	1419	24.84	62.9	308.88427	298.196217
192.2	13.23412	1387	24.22	12.3	313.604428	297.869126
192.2	11.91486	1325	23.159	0.2	308.658462	283.999333
192.2	11.19966	1254	21.733	2.5	311.097429	272.652881
192.2	22.6397	1189	20.97	26.3	315.041763	265.334603
	10.20555	1107	19.454	11.1	321.234104	259.354891
	9.61691	1094	17.683	3.4	319.951248	252.136139
	24.24085	1212	16.476	23.9	317.002256	245.660039
	33.71673	1247	16.77	73.8	316.628947	258.140841
	39.42461	1334	18.01	68.2	317.746243	279.6642
192.2	28.77691	1399	18.63	56.1	321.619018	291.703587
192.2	27.68345	1432	19.25	65.2	322.71283	290.327914
192.2	36.87	1492	20.337	84.1	320.923006	300.41265
192.2	58.99567	1633	21.753	85.4	325.726923	332.143674
192.2	69.90847	1805	24.353	77.9	337.612692	360.380714
192.2	38.87775	1680	25.768	50.2	345.760208	364.944068
192.2	33.14299	1508	26.388	58.7	341.713854	357.1958

0.19158	0.08472	1.28238	2046.322
0.19165	0.08478	1.28483	2052.234
0.19174	0.08492	1.28764	2058.891
0.19182	0.08502	1.29057	2064.747
0.19188	0.08507	1.2924	2068.515
0.19194	0.08515	1.29354	2071.674
0.192	0.0852	1.29518	2074.635
0.19205	0.0853	1.29688	2077.129
0.19208	0.08537	1.29851	2079.439
0.1921	0.08546	1.29987	2081.302
0.19211	0.08551	1.30086	2082.7
0.19212	0.08557	1.30182	2083.852
0.19213	0.08563	1.3024	2084.771
0.19214	0.08568	1.30278	2085.491
0.19215	0.08574	1.30327	2086.008
0.19216	0.08578	1.30404	2086.374
0.19217	0.08582	1.30492	2086.65
0.19218	0.08585	1.30553	2086.872
0.19219	0.08588	1.3062	2087.063
0.1922	0.08592	1.30689	2087.232
0.19221	0.08594	1.30757	2087.38
0.19221	0.08598	1.30828	2087.507
0.19221	0.086	1.30905	2087.624
0.19221	0.08603	1.30973	2087.733
0.19221	0.08606	1.31052	2087.841
0.19221	0.08608	1.31138	2087.946
0.19222	0.08613	1.3129	2088.115
0.19223	0.08615	1.31484	2088.311
0.19224	0.08625	1.31752	2089.216
0.19225	0.08632	1.32274	2091.744
0.19226	0.08645	1.32716	2095.221
0.19227	0.08649	1.32886	2097.453
0.19228	0.08651	1.32977	2099.056
0.19229	0.08654	1.33058	2100.553
0.1923	0.08658	1.33105	2101.789
0.19231	0.08664	1.33153	2102.395
0.19232	0.08667	1.33213	2102.763
0.19234	0.08677	1.33396	2103.462
0.19236	0.08688	1.33718	2104.515
0.19238	0.087	1.34196	2106.752
0.1924	0.08709	1.34644	2109.707
0.19243	0.08713	1.34925	2113.014
0.19248	0.08726	1.35277	2117.251
0.19257	0.08738	1.35788	2124.861
0.19269	0.08761	1.36197	2134.046
0.19285	0.08771	1.36403	2139.442
0.19305	0.08782	1.36672	2143.849

11:57:21.701	-12	0.00023	0.00014	0.00383	4.367	0.000423
11:57:22.701	-12	0.00022	0.00012	0.00454	4.467	0.000432
11:57:23.701	-12	0.00013	0.00013	0.00289	3.369	0.000326
11:57:24.701	-12	0.00009	0.00004	0.00185	2.429	0.000235
11:57:25.701	-12	0.00006	0.00006	0.00114	1.574	0.000152
11:57:26.701	-12	0.00005	0.00005	0.00075	1.181	0.000114
11:57:27.701	-12	0.00003	0.00006	0.00094	0.917	0.000089
11:57:28.701	-12	0.00002	0.00006	0.00052	0.693	0.000067
11:57:29.701	-12	0.00002	0.00003	0.00049	0.492	0.000048
11:57:30.701	-12	0.00001	0.00004	0.00061	0.354	0.000034
11:57:31.701	-12	0.00001	0.00003	0.00069	0.26	0.000025
11:57:32.701	-12	0.00001	0.00005	0.00079	0.21	0.00002
11:57:33.701	-12	0.00002	0.00005	0.00066	0.235	0.000023
11:57:34.701	-12	0.00002	0.00006	0.00086	0.232	0.000023
11:57:35.701	-12	0.00002	0.00005	0.00096	0.209	0.00002
11:57:36.701	-12	0.00001	0.00006	0.001	0.247	0.000024
11:57:37.701	-12	0.00001	0.00008	0.00115	0.349	0.000034
11:57:38.701	-12	0.00001	0.00005	0.00156	0.493	0.000048
11:57:39.701	-12	0.00001	0.00007	0.00153	0.644	0.000063
11:57:40.701	-12	0.00001	0.00004	0.00161	0.799	0.000078
11:57:41.701	-12	0.00001	0.00006	0.00149	0.937	0.000091
11:57:42.701	-12	0.00001	0.00007	0.00126	1.011	0.000098
11:57:43.701	-12	0.00001	0.00005	0.00114	1.059	0.000103
11:57:44.701	-12	0.00001	0.00008	0.00127	1.07	0.000104
11:57:45.701	-12	0.00001	0.00005	0.00139	1.077	0.000104
11:57:46.701	-12	0.00001	0.00008	0.0014	1.075	0.000104
11:57:47.701	-12	0.00001	0.00005	0.00138	1.065	0.000103
11:57:48.701	-12	0.00001	0.00007	0.00138	1.066	0.000103
11:57:49.701	-12	0.00001	0.00006	0.00138	1.065	0.000103
11:57:50.701	-12	0.00001	0.00006	0.00137	1.064	0.000103
11:57:51.701	-12	0.00001	0.00008	0.00138	1.081	0.000105
11:57:52.701	-12	0.00001	0.00006	0.00138	1.089	0.000106
11:57:53.701	-12	0.00001	0.00008	0.00138	1.092	0.000106
11:57:54.701	-12	0.00001	0.00006	0.00138	1.096	0.000106
11:57:55.701	-12	0.00001	0.00006	0.00138	1.098	0.000106
11:57:56.701	-12	0.00001	0.00009	0.00144	1.138	0.00011
11:57:57.701	-12	0.00001	0.00012	0.00157	1.243	0.00012
11:57:58.701	-12	0.00001	0.00009	0.00157	1.164	0.000113
11:57:59.701	-12	0.00001	0.00005	0.00169	1.245	0.000121
11:58:00.701	-12	0.00002	0.00012	0.00232	1.872	0.000181
11:58:01.701	-12	0.00003	0.00013	0.00407	3.622	0.000351
11:58:02.701	-12	0.00004	0.00023	0.00716	6.895	0.000667
11:58:03.701	-12	0.00008	0.00016	0.00542	9.976	0.000964
11:58:04.701	-12	0.00018	0.00014	0.00576	10.533	0.001018
11:58:05.701	-12	0.0005	0.00028	0.007	12.49	0.001207
11:58:06.701	-12	0.00063	0.00006	0.00658	12.608	0.001218
11:58:07.701	-12	0.00057	0.00021	0.0053	10.333	0.000999

27	3.60E+00	2.200	2.400	1.727	1.912	7.300	192.2	37.32823	1526	26.7	53.6	338.381562	350.905956
27.3	3.40E+00	2.000	2.300	1.623	1.807	6.100	192.2	43.8864	1576	27.769	63.8	333.461111	349.461371
28.2	2.90E+00	1.400	2.200	1.118	1.745	9.400	192.2	26.81954	1605	28.398	39.2	336.054913	347.555245
28.5	2.70E+00	1.200	2.200	0.954	1.749	4.300	192.2	19.82088	1372	27.659	17.7	331.043173	333.483333
29.5	2.60E+00	1.100	2.200	0.881	1.761	8.300	192.2	10.78811	1325	27.491	1	323.775723	316.392
29.2	2.30E+00	0.700	2.100	0.595	1.668	8.200	192.2	11.41826	1289	26.83	5.8	316.663421	300.807576
28.3	1.70E+00	0.300	1.700	0.274	1.412	10.700	192.2	10.90192	1251	26.092	0	314.2	288.652059
27.9	1.30E+00	0.100	1.500	0.058	1.230	11.500	192.2	10.54549	1211	25.357	0	314.082852	278.537041
26.7	1.10E+00	0.000	1.300	0.000	1.076	7.200	192.2	10.11814	1163	24.376	0	316.178035	269.354273
26.1	9.00E-01	-0.100	1.100	0.000	0.918	9.100	192.2	9.66833	1151	21.92	0	314.2062	262.094762
24.1	8.00E-01	-0.200	1.000	0.000	0.839	7.200	192.2	9.69646	1112	19.236	2.1	302.406667	254.478375
22.9	8.00E-01	-0.300	1.000	0.000	0.815	11.600	192.2	9.21467	1069	16.477	1	291.483947	248.714016
18.9	8.00E-01	-0.500	0.900	0.000	0.759	7.800	192.2	8.89647	960	13.072	17.4	282.618147	243.95049
17.2	7.00E-01	-0.600	0.900	0.000	0.732	7.800	192.2	16.00403	839	9.565	15.5	279.783707	239.440637
11.6	7.00E-01	-0.600	0.800	0.000	0.677	7.500	192.2	14.77244	794	6.108	29.6	276.772025	235.854325
10.2	6.00E-01	-0.900	0.700	0.000	0.591	7.900	192.2	15.4253	822	4.011	32.9	285.3	235.789901
5.8	6.00E-01	-1.000	0.700	0.000	0.589	11.000		14.92933	800	1.917	41.4	291.59435	237.498267
4.4	6.00E-01	-1.100	0.700	0.000	0.585	6.900		15.33222	787	0.62	38.8	290.601119	240.459113
0	6.00E-01	-1.100	0.700	0.000	0.581	9.700		14.94846	777	0	38.8	289.598462	242.936
0	6.00E-01	-1.100	0.700	0.000	0.578	6.400		14.8372	782	0	40.4	290.401215	244.534286
0	6.00E-01	-1.100	0.700	0.000	0.574	8.600		14.72745	779	0	40	291.458905	245.469216
0	6.00E-01	-1.100	0.700	0.000	0.573	9.500	192.2	14.69462	777	0	40	290.326346	246.1108
0	6.00E-01	-1.100	0.700	0.000	0.572	6.900	192.2	14.92226	778	0	40	289.920185	246.704706
0	6.00E-01	-1.100	0.700	0.000	0.572	11.600	192.2	14.94	778	0	40.4	288.391028	247
0	5.00E-01	-1.100	0.700	0.000	0.546	7.400	192.2	14.93286	783	0	40.7	294.445267	247.329655
0	5.00E-01	-1.200	0.600	0.000	0.490	11.700	192.2	14.98936	776	0	39.7	294.444565	247.6
0	5.00E-01	-1.200	0.600	0.000	0.490	7.500	192.2	14.83792	779	0	40.4	298.468715	247.225081
0	5.00E-01	-1.200	0.600	0.000	0.490	10.400	192.2	14.85637	776	0	40.4	296.642315	247
0	5.00E-01	-1.200	0.600	0.000	0.490	8.200	192.2	14.75343	779	0	40.5	295.466856	247
0	5.00E-01	-1.200	0.600	0.000	0.490	8.000	192.2	14.81724	779	0	41.4	294.197113	247
0	5.00E-01	-1.200	0.600	0.000	0.490	10.900	192.2	14.80725	777	0	40.4	298.606176	246.574388
0	5.00E-01	-1.200	0.600	0.000	0.466	7.900	192.2	14.96055	778	0	40.3	299.469303	245.965294
0	4.00E-01	-1.200	0.500	0.000	0.408	11.300	192.2	14.97	778	0	40.1	298.431635	245.8
0	4.00E-01	-1.200	0.500	0.000	0.408	7.800	192.2	14.92964	780	0	40.5	299.789955	245.8
0	4.00E-01	-1.100	0.500	0.000	0.408	8.500	192.2	14.79	782	0	40.6	299.113987	245.101793
0	4.00E-01	-1.000	0.500	0.000	0.408	12.100	192.2	14.80245	780	0	41.4	292.4125	245.174646
0	4.00E-01	-1.000	0.500	0.000	0.408	14.800	192.2	17.89905	915	0.768	42.6	281.908179	245.8
0.3	4.00E-01	-1.000	0.500	0.000	0.408	12.200	192.2	15.35444	835	0.911	40.5	275.671181	245.8
1.4	4.00E-01	-1.100	0.500	0.000	0.407	6.300	192.2	15.80211	770	0.962	38	276.43	245.548144
1.4	4.00E-01	-1.100	0.500	0.000	0.406	10.800	192.2	21.41804	1104	2.569	71.7	274.640673	248.25524
1.5	4.00E-01	-1.100	0.500	0.000	0.404	6.800	192.2	45.25449	1548	5.348	79.3	278.149593	262.702302
3.2	4.00E-01	-1.000	0.500	0.000	0.421	7.700	192.2	63.61285	1964	8.447	78.6	290.416495	289.77
7.6	6.00E-01	-0.700	0.800	0.000	0.620	4.200	192.2	88.64373	2075	11.863	78.8	304.941562	320.309028
9.2	1.40E+00	0.200	1.600	0.161	1.233	3.600	192.2	79.67168	2091	15.295	78.8	318.97417	346.812831
14.4	3.20E+00	1.300	2.800	0.990	2.237	6.100	192.2	96.57769	2178	18.382	78.5	327.079022	367.087
16	4.10E+00	1.600	3.700	1.230	2.884	1.200	192.2	97.40412	2252	22.122	78.1	338.869295	388.570529
21.3	4.40E+00	1.700	3.900	1.341	3.047	5.500	192.2	79.14158	2113	24.887	82	344.543021	400.021838

0.19328	0.08796	1.37055	2148.216
0.1935	0.08808	1.37509	2152.683
0.19363	0.08821	1.37798	2156.052
0.19372	0.08825	1.37983	2158.481
0.19378	0.08831	1.38097	2160.055
0.19383	0.08836	1.38172	2161.236
0.19386	0.08842	1.38266	2162.153
0.19388	0.08848	1.38318	2162.846
0.1939	0.08851	1.38367	2163.338
0.19391	0.08855	1.38428	2163.692
0.19392	0.08858	1.38497	2163.952
0.19393	0.08863	1.38576	2164.162
0.19395	0.08868	1.38642	2164.397
0.19397	0.08874	1.38728	2164.629
0.19399	0.08879	1.38824	2164.838
0.194	0.08885	1.38924	2165.085
0.19401	0.08893	1.39039	2165.434
0.19402	0.08898	1.39195	2165.927
0.19403	0.08905	1.39348	2166.571
0.19404	0.08909	1.39509	2167.37
0.19405	0.08915	1.39658	2168.307
0.19406	0.08922	1.39784	2169.318
0.19407	0.08927	1.39898	2170.377
0.19408	0.08935	1.40025	2171.447
0.19409	0.0894	1.40164	2172.524
0.1941	0.08948	1.40304	2173.599
0.19411	0.08953	1.40442	2174.664
0.19412	0.0896	1.4058	2175.73
0.19413	0.08966	1.40718	2176.795
0.19414	0.08972	1.40855	2177.859
0.19415	0.0898	1.40993	2178.94
0.19416	0.08986	1.41131	2180.029
0.19417	0.08994	1.41269	2181.121
0.19418	0.09	1.41407	2182.217
0.19419	0.09006	1.41545	2183.315
0.1942	0.09015	1.41689	2184.453
0.19421	0.09027	1.41846	2185.696
0.19422	0.09036	1.42003	2186.86
0.19423	0.09041	1.42172	2188.105
0.19425	0.09053	1.42404	2189.977
0.19428	0.09066	1.42811	2193.599
0.19432	0.09089	1.43527	2200.494
0.1944	0.09105	1.44069	2210.47
0.19458	0.09119	1.44645	2221.003
0.19508	0.09147	1.45345	2233.493
0.19571	0.09153	1.46003	2246.101
0.19628	0.09174	1.46533	2256.434

11:58:08.701	-12	0.00062	0.00009	0.00628	11.812	0.001141
11:58:09.701	-12	0.00055	0.00014	0.007	11.575	0.001118
11:58:10.701	-12	0.00058	0.00014	0.00634	12.38	0.001196
11:58:11.701	-11.2	0.00053	0.00018	0.0054	11.173	0.001079
11:58:12.701	-11.8	0.00051	0.0002	0.00496	10.676	0.001031
11:58:13.701	-11.3	0.00046	0.00011	0.00392	9.829	0.000949
11:58:14.701	-11	0.00028	0.00014	0.00201	5.865	0.000567
11:58:15.701	-11	0.00017	0.00005	0.00377	5.145	0.000498
11:58:16.701	-11.8	0.00013	0.00015	0.00368	5.435	0.000526
11:58:17.701	-12	0.0001	0.00013	0.0032	6.008	0.000581
11:58:18.701	-11.2	0.00007	0.00014	0.00239	5.627	0.000544
11:58:19.701	-11	0.00006	0.00016	0.00204	4.923	0.000476
11:58:20.701	-11	0.00005	0.00008	0.00208	4.279	0.000414
11:58:21.701	-11	0.00004	0.00016	0.00199	3.664	0.000354
11:58:22.701	-11.7	0.00004	0.00011	0.00184	3.745	0.000362
11:58:23.701	-12	0.00004	0.00016	0.00187	3.908	0.000378
11:58:24.701	-12	0.00004	0.00014	0.00204	3.979	0.000385
11:58:25.701	-12	0.00004	0.00015	0.00235	4.28	0.000414
11:58:26.701	-12	0.00004	0.00017	0.00228	4.452	0.00043
11:58:27.701	-12	0.00003	0.00009	0.00162	4.025	0.000389
11:58:28.701	-12	0.00003	0.00014	0.00153	3.38	0.000327
11:58:29.701	-12	0.00002	0.00007	0.00146	2.768	0.000268
11:58:30.701	-12	0.00002	0.00013	0.00161	2.53	0.000245
11:58:31.701	-12	0.00002	0.00011	0.00158	2.166	0.00021
11:58:32.701	-12	0.00002	0.00012	0.00109	2.021	0.000196
11:58:33.701	-12	0.00002	0.00015	0.00114	2.015	0.000195
11:58:34.701	-12	0.00002	0.00012	0.00145	2.036	0.000197
11:58:35.701	-11.3	0.00002	0.00022	0.00245	2.397	0.000232
11:58:36.701	-11.7	0.00002	0.00015	0.003	3.282	0.000318
11:58:37.701	-12	0.00002	0.00019	0.00262	4.109	0.000397
11:58:38.701	-12	0.00002	0.00011	0.00126	3.593	0.000347
11:58:39.701	-12	0.00002	0.0001	0.00102	2.779	0.000269
11:58:40.701	-12	0.00002	0.00013	0.00144	2.634	0.000255
11:58:41.701	-12	0.00002	0.00012	0.00115	2.036	0.000197
11:58:42.701	-12	0.00001	0.00016	0.00128	1.585	0.000153
11:58:43.701	-12	0.00001	0.0001	0.00192	1.749	0.000169
11:58:44.701	-12	0.00002	0.00015	0.00205	2.152	0.000208
11:58:45.701	-12	0.00002	0.00017	0.00191	2.447	0.000237
11:58:46.701	-12	0.00002	0.00017	0.00197	2.52	0.000244
11:58:47.701	-12	0.00001	0.00017	0.00165	2.447	0.000237
11:58:48.701	-12	0.00002	0.00015	0.00176	2.659	0.000257
11:58:49.701	-12	0.00002	0.00021	0.00173	2.002	0.000194
11:58:50.701	-12	0.00001	0.00014	0.00134	1.589	0.000154
11:58:51.701	-12	0.00001	0.00017	0.00203	1.534	0.000149
11:58:52.701	-12	0.00001	0.00014	0.00178	1.633	0.000158
11:58:53.701	-12	0.00001	0.00018	0.00188	1.692	0.000164
11:58:54.701	-12	0.00001	0.00018	0.00183	1.687	0.000164

22.7	4.50E+00	1.800	4.000	1.411	3.135	2.200
27.2	4.40E+00	1.800	3.800	1.404	2.964	3.500
28.5	4.40E+00	1.800	3.800	1.402	2.959	3.600
32.7	4.40E+00	1.800	3.800	1.430	2.937	4.900
33.7	4.30E+00	1.900	3.700	1.482	2.861	5.700
36.7	4.20E+00	1.900	3.400	1.488	2.664	3.200
37.2	3.50E+00	1.700	2.700	1.329	2.174	6.000
38.6	2.40E+00	1.100	1.900	0.876	1.540	2.600
38.6	1.80E+00	0.600	1.700	0.480	1.321	7.300
38.7	1.40E+00	0.300	1.600	0.212	1.234	6.100
38.7	1.20E+00	0.100	1.400	0.054	1.098	7.100
38.9	1.10E+00	-0.100	1.400	0.000	1.076	8.900
38.9	1.00E+00	-0.200	1.300	0.000	1.000	5.300
38.7	9.00E-01	-0.200	1.100	0.000	0.867	11.600
38.6	8.00E-01	-0.300	1.000	0.000	0.787	8.000
38.1	8.00E-01	-0.300	1.000	0.000	0.787	11.000
38	8.00E-01	-0.300	1.000	0.000	0.788	9.500
37.5	8.00E-01	-0.300	1.000	0.000	0.764	9.600
37.5	7.00E-01	-0.300	0.900	0.000	0.705	10.900
37.3	7.00E-01	-0.400	0.900	0.000	0.706	6.200
37.3	7.00E-01	-0.500	0.900	0.000	0.707	11.700
37.3	6.00E-01	-0.700	0.800	0.000	0.630	7.300
37.1	6.00E-01	-0.700	0.800	0.000	0.634	12.700
36.6	6.00E-01	-0.700	0.800	0.000	0.640	11.300
36.5	6.00E-01	-0.700	0.700	0.000	0.561	12.400
36	5.00E-01	-0.700	0.700	0.000	0.539	14.900
35.8	5.00E-01	-0.800	0.600	0.000	0.485	11.100
35.3	5.00E-01	-0.800	0.600	0.000	0.463	15.900
35.4	4.00E-01	-0.800	0.500	0.000	0.400	10.200
35.8	4.00E-01	-0.800	0.500	0.000	0.395	11.900
36	4.00E-01	-0.800	0.500	0.000	0.394	8.300
36.8	4.00E-01	-0.800	0.500	0.000	0.420	9.400
36.9	5.00E-01	-0.800	0.600	0.000	0.479	11.500
37.2	5.00E-01	-0.800	0.600	0.000	0.458	10.700
37.2	4.00E-01	-0.900	0.500	0.000	0.409	14.900
37.2	4.00E-01	-0.900	0.500	0.000	0.407	9.200
37.3	4.00E-01	-0.900	0.500	0.000	0.404	12.800
37.7	4.00E-01	-0.900	0.500	0.000	0.402	13.800
37.8	4.00E-01	-0.900	0.500	0.000	0.400	14.500
38.3	4.00E-01	-0.900	0.500	0.000	0.399	15.500
38.4	4.00E-01	-0.900	0.500	0.000	0.400	12.200
38.7	4.00E-01	-0.900	0.500	0.000	0.406	17.900
38.7	4.00E-01	-0.900	0.500	0.000	0.409	12.200
38.7	4.00E-01	-0.900	0.500	0.000	0.409	15.300
38.7	4.00E-01	-0.900	0.500	0.000	0.408	13.300
38.8	4.00E-01	-0.900	0.500	0.000	0.407	16.900
38.8	3.00E-01	-0.800	0.400	0.000	0.326	16.600

192.2	89.48344	1975	27.323	76.9	346.0791	413.586346
192.2	78.16436	1721	29.825	84.5	352.766975	431.732066
192.2	85.5121	1855	32.496	85.2	349.505202	443.103356
	76.08938	1962	34.706	87	338.389591	447.801735
	74.27593	1888	35.937	85	339.829323	448.267125
	65.19429	1765	37.157	77.7	343.684544	442.232615
	53.80507	1608	37.26	61.3	339.564857	426.448927
	46.2505	1481	37.787	68.6	331.808111	414.015269
195.8	41.25042	1476	37.26	81.2	329.050286	408.7571
195.8	43.12476	1481	37.764	80.4	325.270698	407.647368
195.8	41.6176	1479	37.88	75.3	321.149042	407.53052
195.8	33.34111	1475	37.26	75.9	313.796134	402.791705
195.8	30.88965	1465	37.26	77	305.762212	397.1448
	26.43451	1457	37.057	72.9	298.11287	392.874255
	27.77402	1445	36.64	68	300.487432	387.370837
	30.41829	1432	36.49	69.4	301.943595	382.28498
	30.40588	1422	36.02	76.5	301.891304	379.825101
	34.86719	1424	36.02	87.9	301.665714	383.882213
195.8	32.10805	1425	36.02	73.6	296.384149	383.908581
195.8	30.61542	1423	36.02	71.1	289.660744	382.690566
195.8	26.39136	1419	36.02	50.9	299.641484	377.166557
195.8	19.54241	1402	35.4	36.8	313.32	364.254956
195.8	21.51389	1390	35.4	48.4	307.317312	351.220173
195.8	22.03514	1379	34.78	45.7	303.956061	344.631765
195.8	19.19347	1361	34.736	33.5	302.800651	332.131358
195.8	20.05937	1347	34.16	48.6	303.619669	319.84239
195.8	22.46455	1342	34.16	67	301.956956	316.821173
195.8	31.13303	1354	34.16	73.9	303.24797	321.985852
	32.71549	1371	34.78	72.9	310.311824	331.520764
	32.64294	1393	35.4	71.6	313.704802	338.163788
	27.9211	1412	36.02	51.9	315.24499	339.405296
	24.89981	1417	36.02	15.9	315.305521	330.824032
	25.61043	1422	36.02	22.8	307.735234	317.149265
195.5	23.95115	1417	36.02	41	301.32404	307.806569
195.1	23.46831	1426	36.02	45.3	299.95336	304.824615
194.7	23.33112	1437	36.64	45.8	299.773737	303.329418
194.4	24.2112	1442	36.64	55	299.68894	302.819218
194	26.36813	1457	37.144	53.4	299.886047	304.79022
194	24.89296	1468	37.26	47.1	300.210865	306.1
194	22.7741	1470	37.26	33.3	300.128503	301.692849
194	26.10775	1466	37.26	16	300.134833	290.555556
194	24.43313	1466	37.26	34.1	300.761708	284.996078
193.9	22.60463	1470	37.26	39.4	300.939518	281.547945
193.5	22.72664	1475	37.26	41.2	301.443396	278.774289
193.1	23.45518	1475	37.26	31.4	300.683865	276.131018
192.8	21.06387	1468	37.26	24.3	301.736207	269.391002
192.4	22.70193	1466	37.26	51.3	301.96748	265.56674

0.1969	0.09183	1.47161	2268.246
0.19745	0.09197	1.47861	2279.821
0.19803	0.09211	1.48495	2292.201
0.19856	0.09229	1.49035	2303.374
0.19907	0.09249	1.49531	2314.05
0.19953	0.0926	1.49923	2323.879
0.19981	0.09274	1.50124	2329.744
0.19998	0.09279	1.50501	2334.889
0.20011	0.09294	1.50869	2340.324
0.20021	0.09307	1.51189	2346.332
0.20028	0.09321	1.51428	2351.959
0.20034	0.09337	1.51632	2356.882
0.20039	0.09345	1.5184	2361.161
0.20043	0.09361	1.52039	2364.825
0.20047	0.09372	1.52223	2368.57
0.20051	0.09388	1.5241	2372.478
0.20055	0.09402	1.52614	2376.457
0.20059	0.09417	1.52849	2380.737
0.20063	0.09434	1.53077	2385.189
0.20066	0.09443	1.53239	2389.214
0.20069	0.09457	1.53392	2392.594
0.20071	0.09464	1.53538	2395.362
0.20073	0.09477	1.53699	2397.892
0.20075	0.09488	1.53857	2400.058
0.20077	0.095	1.53966	2402.079
0.20079	0.09515	1.5408	2404.094
0.20081	0.09527	1.54225	2406.13
0.20083	0.09549	1.5447	2408.527
0.20085	0.09564	1.5477	2411.809
0.20087	0.09583	1.55032	2415.918
0.20089	0.09594	1.55158	2419.511
0.20091	0.09604	1.5526	2422.29
0.20093	0.09617	1.55404	2424.924
0.20095	0.09629	1.55519	2426.96
0.20096	0.09645	1.55647	2428.545
0.20097	0.09655	1.55839	2430.294
0.20099	0.0967	1.56044	2432.446
0.20101	0.09687	1.56235	2434.893
0.20103	0.09704	1.56432	2437.413
0.20104	0.09721	1.56597	2439.86
0.20106	0.09736	1.56773	2442.519
0.20108	0.09757	1.56946	2444.521
0.20109	0.09771	1.5708	2446.11
0.2011	0.09788	1.57283	2447.644
0.20111	0.09802	1.57461	2449.277
0.20112	0.0982	1.57649	2450.969
0.20113	0.09838	1.57832	2452.656

11:58:55.701	-12	0.00001	0.00014	0.00158	1.403	0.000136
11:58:56.701	-12	0.00001	0.00016	0.00205	1.506	0.000146
11:58:57.701	-12	0.00001	0.00017	0.00206	1.839	0.000178
11:58:58.701	-12	0.00001	0.00025	0.00289	2.41	0.000234
11:58:59.701	-12	0.00002	0.00019	0.0029	3.365	0.000326
11:59:00.701	-12	0.00002	0.00019	0.0035	4.908	0.000475
11:59:01.701	-12	0.00003	0.00016	0.00516	7.435	0.000718
11:59:02.701	-12	0.00003	0.00011	0.00388	9.731	0.000939
11:59:03.701	-12	0.00004	0.00019	0.00314	10.691	0.001032
11:59:04.701	-12	0.00004	0.00011	0.00293	8.532	0.000824
11:59:05.701	-12	0.00003	0.0001	0.00146	4.542	0.000439
11:59:06.701	-12	0.00002	0.00006	0.00115	3.006	0.00029
11:59:07.701	-12	0.00002	0.00007	0.00143	2.496	0.000241
11:59:08.701	-12	0.00002	0.00009	0.00166	2.233	0.000216
11:59:09.701	-12	0.00002	0.00008	0.00121	2.111	0.000204
11:59:10.701	-12	0.00002	0.00014	0.00125	1.979	0.000192
11:59:11.701	-12	0.00002	0.00008	0.00121	1.792	0.000173
11:59:12.701	-12	0.00001	0.00056	0.00122	1.624	0.000157
11:59:13.701	-12	0.00001	0.00088	0.00109	1.204	0.000117
11:59:14.701	-12	0.00001	0.00019	0.00077	0.888	0.000086
11:59:15.701	-12	0.00001	0.00006	0.00162	1.007	0.000098
11:59:16.701	-12	0.00002	0.00001	0.00385	2.195	0.000213
11:59:17.701	-12	0.00001	0.00006	0.00367	3.069	0.000297
11:59:18.701	-12	0.00001	0.00001	0.00147	1.959	0.000189
11:59:19.701	-12	0.00001	0.00002	0.00065	1.554	0.00015
11:59:20.701	-12	0.00001	0.00001	0.00057	1.279	0.000124
11:59:21.701	-12	0.00001	0.00002	0.00056	0.94	0.000091
11:59:22.701	-12	0.00001	0.00001	0.00047	0.62	0.00006
11:59:23.701	-12	0.00001	0.00001	0.00042	0.433	0.000042
11:59:24.701	-12	0	0.00003	0.00053	0.308	0.00003
11:59:25.701	-12	0	0.00001	0.00071	0.232	0.000023
11:59:26.701	-12	0	0.00002	0.00055	0.184	0.000018
11:59:27.701	-12	0	0.00001	0.00066	0.166	0.000016
11:59:28.701	-12	0	0.00002	0.00073	0.146	0.000014
11:59:29.701	-12	0	0.00002	0.00085	0.157	0.000015
11:59:30.701	-12	0	0.00002	0.00103	0.167	0.000016
11:59:31.701	-12	0	0.00003	0.00087	0.12	0.000012
11:59:32.701	-12	0	0.00001	0.0009	0.144	0.000014
11:59:33.701	-12	0	0.00004	0.00095	0.196	0.000019
11:59:34.701	-12	0	0.00004	0.00097	0.262	0.000025
11:59:35.701	-12	0	0.00005	0.00132	0.339	0.000033
11:59:36.701	-12	0	0.00004	0.00143	0.424	0.000041
11:59:37.701	-12	0	0.00002	0.00139	0.551	0.000054
11:59:38.701	-12	0	0.00005	0.0019	0.739	0.000072
11:59:39.701	-12	0	0	0.00157	0.857	0.000083
11:59:40.701	-12	0	0.00005	0.00127	0.979	0.000095
11:59:41.701	-12	0	0.00002	0.00119	1.043	0.000101

38.6	3.00E-01	-0.800	0.400	0.000	0.328	13.400	192.2	22.91508	1461	37.26	40.3	298.867625	266.686289
38.6	3.00E-01	-0.800	0.400	0.000	0.327	14.900	192.2	22.47836	1458	37.26	42.4	294.677121	266
38.4	3.00E-01	-0.800	0.400	0.000	0.326	14.800	192.2	24.44307	1453	36.64	52.1	293.663012	267.394948
38.4	3.00E-01	-0.800	0.400	0.000	0.323	18.900	192.2	27.3356	1452	36.64	63.8	290.596047	276.693902
38.2	3.00E-01	-0.800	0.400	0.000	0.320	12.100		35.58349	1461	37.26	84.1	299.592308	290.187704
38.3	3.00E-01	-0.800	0.400	0.000	0.316	9.700		42.11593	1479	37.26	88.2	304.561932	310.904936
38.8	3.00E-01	-0.800	0.400	0.000	0.313	6.200		52.4803	1512	38.417	86.6	313.698674	338.900688
39.2	3.00E-01	-0.800	0.400	0.000	0.310	3.800		64.5329	1556	39.664	82.4	325.589899	368.234898
40.3	3.00E-01	-0.800	0.400	0.000	0.334	5.700		67.06017	1609	40.908	82.6	334.178719	392.143053
40.9	4.00E-01	-0.600	0.500	0.000	0.413	4.000	192.2	60.17641	1647	42.128	71.4	340.837644	403.569565
42.8	5.00E-01	-0.400	0.600	0.000	0.470	6.500	192.6	26.60456	1643	42.23	82.4	332.307407	396.779208
43	6.00E-01	-0.300	0.700	0.000	0.579	5.200	193	23.49068	1364	42.23	52	319.137094	382.132646
43.6	6.00E-01	-0.300	0.800	0.000	0.634	6.900	193.4	19.69229	1353	41.61	45.5	317.902469	364.6
43.5	6.00E-01	-0.300	0.800	0.000	0.638	9.300	193.8	20.9955	1345	41.61	45.6	316.161538	350.87451
43	6.00E-01	-0.300	0.800	0.000	0.616	7.900	194	21.46607	1334	40.99	42.6	315.881391	338.234985
42.8	6.00E-01	-0.300	0.700	0.000	0.562	14.000	194	20.74196	1321	40.99	25.5	313.030793	327.11461
42.3	5.00E-01	-0.400	0.700	0.000	0.538	9.000	194	18.29194	1307	40.37	9	310.130544	311.989796
42.1	5.00E-01	-0.500	0.600	0.000	0.485	62.000	194	18.40786	1285	39.74	15.7	306.042	296.848757
41.3	5.00E-01	-0.600	0.600	0.000	0.491	98.600	194	18.1017	1260	39.084	20.6	303.212058	284.679384
40.9	4.00E-01	-0.600	0.500	0.000	0.414	21.100	193.7	18.41647	1254	38.388	46.2	298.402143	276.64034
39.8	3.00E-01	-0.700	0.400	0.000	0.332	5.500	193.3	24.21749	1227	37.88	75.6	298.667152	280.963393
39.7	3.00E-01	-0.700	0.400	0.000	0.326	0.800	192.9	37.12205	1243	38.5	87.1	302.593985	298.871022
39.5	3.00E-01	-0.700	0.400	0.000	0.316	4.800	192.5	27.78794	1240	38.5	23.5	310.457601	315.671429
39.5	3.00E-01	-0.700	0.400	0.000	0.311	1.200		10.01888	1223	37.696	0.3	307.75725	306.876881
39.5	4.00E-01	-0.600	0.500	0.000	0.390	4.800		10.53309	1155	35.266	0.3	304.852182	294.87
38.5	4.00E-01	-0.600	0.500	0.000	0.396	1.300		10.21321	1138	32.831	1.7	301.350568	283.771344
35.4	4.00E-01	-0.600	0.500	0.000	0.403	3.700		10.42232	1180	29.733	0.1	298.494013	274.387083
34.1	4.00E-01	-0.600	0.500	0.000	0.410	3.300		9.57143	1087	27.251	0.7	296.594717	266.632353
29.8	3.00E-01	-0.600	0.400	0.000	0.332	2.700	192.2	9.975	1229	25.417	0	294.00904	258.833759
28.8	3.00E-01	-0.800	0.300	0.000	0.251	6.800	192.2	9.98098	1145	24.175	0	293.023148	252.079587
25.8	3.00E-01	-0.900	0.300	0.000	0.252	2.400	192.2	10.01167	1186	21.564	0	296.396288	246.297368
24.7	2.00E-01	-0.900	0.300	0.000	0.227	3.400	192.2	9.50421	1093	18.894	2.6	292.227204	241.291898
21.3	2.00E-01	-0.900	0.200	0.000	0.169	2.700	192.2	9.67348	1176	16.81	2.3	285.335219	237.193943
20.3	2.00E-01	-0.900	0.200	0.000	0.169	4.400	192.2	9.92976	1150	15.478	0.7	283.16338	232.4853
17	2.00E-01	-0.800	0.200	0.000	0.169	3.200	192.2	8.83291	1037	14.016	10.1	277.463333	228.51894
16.3	2.00E-01	-0.800	0.200	0.000	0.169	2.800	192.2	12.77592	1025	12.301	5	277.078615	225.108537
13.8	2.00E-01	-0.800	0.200	0.000	0.169	6.000	192.2	8.50276	971	11.016	10.5	267.660026	220.462791
13.1	2.00E-01	-0.800	0.200	0.000	0.169	1.400	192.2	13.52401	892	9.601	22.2	259.480876	218.276098
10.9	2.00E-01	-0.800	0.200	0.000	0.169	5.400	191.9	16.47261	816	8.388	19.7	259.801205	216.163443
10.4	2.00E-01	-0.800	0.200	0.000	0.169	4.400	191.5	16.79154	867	8.07	29.4	260.057026	214.703257
8.6	1.00E-01	-0.800	0.100	0.000	0.084	6.000	191.1	16.98962	958	7.45	31.8	266.837692	216.187319
8.5	2.00E-01	-0.800	0.200	0.000	0.168	4.500	190.7	16.46555	963	7.45	34.6	273.861887	219.687922
8.2	2.00E-01	-0.800	0.200	0.000	0.167	3.100		16.14429	965	7.45	36.7	280.244329	222.68337
8.2	2.00E-01	-0.800	0.200	0.000	0.166	6.400		16.14529	975	7.45	36.8	280.231827	225.0978
8.1	2.00E-01	-0.800	0.200	0.000	0.165	0.300		14.49784	839	7.45	26.2	280.83738	225.610924
8.1	2.00E-01	-0.700	0.200	0.000	0.164	6.500		15.27265	814	7.358	26.2	279.929688	223.706855
7.9	2.00E-01	-0.800	0.200	0.000	0.164	2.400		15.71472	810	6.83	30.4	279.283365	221.967287

0.20114	0.09852	1.5799	2454.059
0.20115	0.09868	1.58195	2455.565
0.20116	0.09885	1.58401	2457.404
0.20117	0.0991	1.5869	2459.814
0.20119	0.09929	1.5898	2463.179
0.20121	0.09948	1.5933	2468.087
0.20124	0.09964	1.59846	2475.522
0.20127	0.09975	1.60234	2485.253
0.20131	0.09994	1.60548	2495.944
0.20135	0.10005	1.60841	2504.476
0.20138	0.10015	1.60987	2509.018
0.2014	0.10021	1.61102	2512.024
0.20142	0.10028	1.61245	2514.52
0.20144	0.10037	1.61411	2516.753
0.20146	0.10045	1.61532	2518.864
0.20148	0.10059	1.61657	2520.843
0.2015	0.10067	1.61778	2522.635
0.20151	0.10123	1.619	2524.259
0.20152	0.10211	1.62009	2525.463
0.20153	0.1023	1.62086	2526.351
0.20154	0.10236	1.62248	2527.358
0.20156	0.10237	1.62633	2529.553
0.20157	0.10243	1.63	2532.622
0.20158	0.10244	1.63147	2534.581
0.20159	0.10246	1.63212	2536.135
0.2016	0.10247	1.63269	2537.414
0.20161	0.10249	1.63325	2538.354
0.20162	0.1025	1.63372	2538.974
0.20163	0.10251	1.63414	2539.407
0.20163	0.10254	1.63467	2539.715
0.20163	0.10255	1.63538	2539.947
0.20163	0.10257	1.63593	2540.131
0.20163	0.10258	1.63659	2540.297
0.20163	0.1026	1.63732	2540.443
0.20163	0.10262	1.63817	2540.6
0.20163	0.10264	1.6392	2540.767
0.20163	0.10267	1.64007	2540.887
0.20163	0.10268	1.64097	2541.031
0.20163	0.10272	1.64192	2541.227
0.20163	0.10276	1.64289	2541.489
0.20163	0.10281	1.64421	2541.828
0.20163	0.10285	1.64564	2542.252
0.20163	0.10287	1.64703	2542.803
0.20163	0.10292	1.64893	2543.542
0.20163	0.10292	1.6505	2544.399
0.20163	0.10297	1.65177	2545.378
0.20163	0.10299	1.65296	2546.421

11:59:42.701	-12	0	0.00003	0.00121	0.938	0.000091
11:59:43.701	-12	0	0.00003	0.00133	0.815	0.000079
11:59:44.701	-12	0	0.00003	0.00139	0.743	0.000072
11:59:45.701	-12	0	0.00005	0.00151	0.748	0.000073
11:59:46.701	-12	0	0.00002	0.00155	0.78	0.000076
11:59:47.701	-12	0.00001	0.00005	0.00144	0.802	0.000078
11:59:48.701	-12	0.00001	0.00002	0.00144	0.862	0.000084
11:59:49.701	-12	0.00001	0.00004	0.00146	0.983	0.000095
11:59:50.701	-12	0.00001	0.00004	0.00125	1.072	0.000104
11:59:51.701	-12	0.00001	0.00003	0.00113	1.102	0.000107
11:59:52.701	-12	0.00001	0.00006	0.00111	1.107	0.000107
11:59:53.701	-12	0.00001	0.00002	0.00111	1.104	0.000107
11:59:54.701	-12	0.00001	0.00006	0.0011	1.103	0.000107
11:59:55.701	-12	0.00001	0.00003	0.00113	1.1	0.000107
11:59:56.701	-12	0.00001	0.00007	0.00125	1.108	0.000107
11:59:57.701	-12	0.00001	0.00005	0.00125	1.108	0.000107
11:59:58.701	-12	0.00001	0.00004	0.00125	1.113	0.000108
11:59:59.701	-12	0.00001	0.00005	0.00125	1.108	0.000107
12:00:00.701	-12	0.00001	0.00002	0.00124	1.102	0.000107
12:00:01.701	-12	0.00001	0.00005	0.00134	1.137	0.00011
12:00:02.701	-12	0.00001	0.00002	0.00156	1.132	0.00011
12:00:03.701	-12	0.00001	0.00004	0.00151	1.097	0.000106
12:00:04.701	-12	0.00001	0.00004	0.00151	1.107	0.000107
12:00:05.701	-12	0.00001	0.00003	0.00144	1.12	0.000109
12:00:06.701	-12	0.00001	0.00004	0.00139	1.128	0.000109
12:00:07.701	-12	0.00001	0.00003	0.00138	1.12	0.000109
12:00:08.701	-12	0.00001	0.00005	0.00142	1.144	0.000111
12:00:09.701	-12	0.00001	0.00003	0.00156	1.16	0.000112
12:00:10.701	-12	0.00001	0.00005	0.00154	1.215	0.000118
12:00:11.701	-12	0.00001	0.00003	0.00167	1.366	0.000132
12:00:12.701	-12	0.00002	0.00006	0.00255	2.16	0.000209
12:00:13.701	-12	0.00003	0.00008	0.00466	4.59	0.000444
12:00:14.701	-12	0.00006	0	0.00855	8.754	0.000847
12:00:15.701	-12	0.00015	0.00019	0.00593	10.556	0.00102
12:00:16.701	-12	0.00023	0.00004	0.00461	9.113	0.000881
12:00:17.701	-12	0.00029	0.0001	0.00482	9.681	0.000936
12:00:18.701	-12	0.00023	0.00007	0.00367	8.205	0.000793
12:00:19.701	-12	0.00021	0.00005	0.00316	7.187	0.000694
12:00:20.701	-12	0.00019	0.00009	0.00349	7.635	0.000738
12:00:21.701	-12	0.00013	0.00001	0.00246	7.394	0.000714
12:00:22.701	-12	0.00013	0.00008	0.00394	8.142	0.000786
12:00:23.701	-12	0.00008	0	0.00274	6.03	0.000582
12:00:24.701	-12	0.00005	0.00005	0.00172	3.68	0.000356
12:00:25.701	-12	0.00004	0.00004	0.00174	2.992	0.000289
12:00:26.701	-12	0.00003	0.00005	0.00144	3.028	0.000293
12:00:27.701	-12	0.00003	0.00007	0.00184	3.524	0.000341
12:00:28.701	-12	0.00003	0.00009	0.00193	4.206	0.000407

7.8	2.00E-01	-0.800	0.200	0.000	0.164	4.000	192.1	15.40354	826	6.78	32.1	281.89	221.5
7.4	2.00E-01	-0.800	0.200	0.000	0.165	4.100	191.7	15.02709	823	5.412	33.7	287.601157	221.5
6.8	2.00E-01	-0.800	0.200	0.000	0.165	3.600	191.3	14.55623	790	3.994	32.3	293.516604	221.5
4.9	2.00E-01	-0.800	0.200	0.000	0.165	6.700	190.9	14.37093	760	3.089	36.9	273.324352	221.152717
4.9	2.00E-01	-0.800	0.200	0.000	0.189	2.500	190.5	15.44724	806	2.34	40.6	266.235092	223.894286
4.4	2.00E-01	-0.800	0.300	0.000	0.247	7.600	190.4	14.85325	780	1.86	41.4	259.933625	226.549121
2.7	2.00E-01	-0.800	0.300	0.000	0.247	2.300	190.4	14.78235	774	1.544	41.3	261.360123	228.799804
2.1	3.00E-01	-0.800	0.300	0.000	0.270	5.500	190.4	15.02467	780	0.924	41.2	263.884898	230.908172
1.8	3.00E-01	-0.800	0.400	0.000	0.326	5.500	190.4	15.00344	780	0.62	41.5	262.556008	231.941992
1	3.00E-01	-0.800	0.400	0.000	0.326	4.700	190.4	14.93599	781	0	40.9	263.4353	232.598596
0.8	3.00E-01	-0.800	0.400	0.000	0.326	7.900	190.4	14.8634	780	0	41.1	263.728958	233.199401
0	3.00E-01	-0.800	0.400	0.000	0.326	3.100	190.4	14.88	778	0	40.5	263.735685	233.6
0	3.00E-01	-0.800	0.400	0.000	0.326	8.200	190.4	14.74133	778	0	40.7	263.36	233.6
0	4.00E-01	-0.800	0.500	0.000	0.407	4.600	190.4	14.86181	781	0	40.8	262.153374	233.6
0	4.00E-01	-0.800	0.500	0.000	0.407	10.000	190.4	14.95822	782	0	40.5	262.967996	233.6
0	4.00E-01	-0.800	0.500	0.000	0.407	6.400	190.4	14.91508	780	0	40.1	264.291566	233.6
0	4.00E-01	-0.800	0.500	0.000	0.407	5.100	190.4	14.92653	780	0	40.3	262.170702	233.6
0	4.00E-01	-0.700	0.500	0.000	0.407	7.200	190.4	14.99455	779	0	40.1	262.361247	233.388601
0	4.00E-01	-0.700	0.500	0.000	0.407	3.100	190.4	14.7641	777	0	41.1	266.779623	233.245098
0	4.00E-01	-0.800	0.500	0.000	0.407	7.400	190.4	15.00606	790	0	41.2	266.197692	233.326892
0	4.00E-01	-0.800	0.500	0.000	0.407	3.300	190.4	15.21938	801	0	39.7	265.781503	233.272072
0	4.00E-01	-0.800	0.500	0.000	0.407	6.300	190.4	14.79683	780	0	40	265.977358	233.330297
0	4.00E-01	-0.700	0.500	0.000	0.407	5.400	190.4	14.80392	778	0	40	264.7475	232.728163
0	4.00E-01	-0.700	0.500	0.000	0.407	4.400	190.4	14.758	777	0	40.4	270.434231	232.4
0	4.00E-01	-0.700	0.500	0.000	0.407	5.900	190.4	14.9287	787	0	40.4	270.420656	232.4
0	4.00E-01	-0.700	0.500	0.000	0.407	4.300	190.4	14.84143	776	0	40	269.698493	232.4
0	4.00E-01	-0.700	0.500	0.000	0.407	6.700	190.4	15.01477	779	0	40	270.082838	232.4
0	4.00E-01	-0.700	0.500	0.000	0.407	4.600	190.4	15.5544	825	0	40.7	272.808216	231.976297
0	4.00E-01	-0.700	0.500	0.000	0.407	6.600	190.4	15.47537	834	0	43	276.621615	232.17706
0	4.00E-01	-0.700	0.500	0.000	0.407	3.900	190.4	17.71251	923	1.407	46.9	281.906818	233.332318
0.7	4.00E-01	-0.700	0.500	0.000	0.406	4.900	190.4	21.09265	1151	3.429	71.3	280.428846	236.838889
2.8	4.00E-01	-0.700	0.500	0.000	0.402	3.600	190.4	43.8217	1651	6.202	87.5	279.564359	258.905
4.2	5.00E-01	-0.700	0.600	0.000	0.500	0.100	190.4	76.08108	2050	9.868	68.7	284.878729	290.630652
8.9	1.10E+00	-0.600	1.500	0.000	1.145	4.800	190.4	84.15469	2111	13.692	72.2	298.013125	320.086297
10.7	2.00E+00	-0.300	2.500	0.000	1.990	1.200	190.7	67.90653	2024	16.727	82.2	309.824547	343.264061
16.2	2.40E+00	-0.100	3.000	0.000	2.364	2.800	191.1	75.98085	2072	19.736	80.3	313.611978	358.084159
17.5	2.40E+00	-0.100	3.000	0.000	2.355	2.200	191.5	67.40598	2031	22.209	72.7	314.22	372.438462
21.9	2.40E+00	-0.100	3.000	0.000	2.363	1.700	191.9	52.7952	1960	23.708	77.7	297.456622	372.028183
22.8	2.10E+00	-0.100	2.600	0.000	2.068	3.300	192.2	58.80795	1890	25.689	82.9	287.108671	380.814667
25.5	1.60E+00	-0.100	2.100	0.000	1.616	0.200	192.2	53.7403	1631	27.043	84	277.937736	389.408143
26.3	1.50E+00	-0.100	1.900	0.000	1.456	2.800	192.2	58.58328	1641	28.902	80	277.598077	397.062338
29	1.20E+00	-0.100	1.600	0.000	1.221	0.200	192.2	39.40756	1711	30.295	64	287.751098	396.609313
29.6	1.10E+00	-0.100	1.400	0.000	1.101	3.500	192.2	29.0191	1578	30.43	61.2	285.466402	380.601961
31.5	9.00E-01	-0.200	1.200	0.000	0.927	3.200	192.4	25.86	1473	31.046	68.3	296.172296	367.941333
31.6	7.00E-01	-0.400	0.900	0.000	0.690	3.900	192.8	26.54438	1482	31.05	65.5	305.4625	359.307826
32.1	6.00E-01	-0.700	0.800	0.000	0.634	5.300	193.2	28.3039	1494	31.05	67.6	302.46493	352.386214
32.2	6.00E-01	-0.700	0.800	0.000	0.632	5.600	193.6	32.10772	1512	31.67	74.4	301.3875	350.6

0.20163	0.10302	1.65417	2547.359
0.20163	0.10305	1.6555	2548.174
0.20163	0.10308	1.65689	2548.917
0.20163	0.10313	1.6584	2549.665
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0.20164	0.1032	1.66139	2551.247
0.20165	0.10322	1.66283	2552.109
0.20166	0.10326	1.66429	2553.092
0.20167	0.1033	1.66554	2554.164
0.20168	0.10333	1.66667	2555.266
0.20169	0.10339	1.66778	2556.373
0.2017	0.10341	1.66889	2557.477
0.20171	0.10347	1.66999	2558.58
0.20172	0.1035	1.67112	2559.68
0.20173	0.10357	1.67237	2560.788
0.20174	0.10362	1.67362	2561.896
0.20175	0.10366	1.67487	2563.009
0.20176	0.10371	1.67612	2564.117
0.20177	0.10373	1.67736	2565.219
0.20178	0.10378	1.6787	2566.356
0.20179	0.1038	1.68026	2567.488
0.2018	0.10384	1.68177	2568.585
0.20181	0.10388	1.68328	2569.692
0.20182	0.10391	1.68472	2570.812
0.20183	0.10395	1.68611	2571.94
0.20184	0.10398	1.68749	2573.06
0.20185	0.10403	1.68891	2574.204
0.20186	0.10406	1.69047	2575.364
0.20187	0.10411	1.69201	2576.579
0.20188	0.10414	1.69368	2577.945
0.2019	0.1042	1.69623	2580.105
0.20193	0.10428	1.70089	2584.695
0.20199	0.10428	1.70944	2593.449
0.20214	0.10447	1.71537	2604.005
0.20237	0.10451	1.71998	2613.118
0.20266	0.10461	1.7248	2622.799
0.20289	0.10468	1.72847	2631.004
0.2031	0.10473	1.73163	2638.191
0.20329	0.10482	1.73512	2645.826
0.20342	0.10483	1.73758	2653.22
0.20355	0.10491	1.74152	2661.362
0.20363	0.10491	1.74426	2667.392
0.20368	0.10496	1.74598	2671.072
0.20372	0.105	1.74772	2674.064
0.20375	0.10505	1.74916	2677.092
0.20378	0.10512	1.751	2680.616
0.20381	0.10521	1.75293	2684.822

12:00:29.701	-12	0.00004	0.00013	0.00239	4.807	0.000465
12:00:30.701	-12	0.00004	0.00004	0.00277	5.526	0.000534
12:00:31.701	-12	0.00004	0.0001	0.0028	6.146	0.000594
12:00:32.701	-12	0.00003	0.00005	0.00317	6.369	0.000615
12:00:33.701	-12	0.00003	0.00008	0.00348	7.145	0.00069
12:00:34.701	-12	0.00003	0.0001	0.00324	7.415	0.000716
12:00:35.701	-12	0.00002	0.00003	0.00232	5.429	0.000524
12:00:36.701	-12	0.00002	0.00007	0.00202	4.668	0.000451
12:00:37.701	-12	0.00002	0.00005	0.00178	4.172	0.000403
12:00:38.701	-12	0.00002	0.00009	0.0021	4.402	0.000425
12:00:39.701	-12	0.00001	0.00006	0.00166	3.54	0.000342
12:00:40.701	-12	0.00001	0.00005	0.00141	2.938	0.000284
12:00:41.701	-12	0.00001	0.00008	0.0014	2.714	0.000262
12:00:42.701	-12	0.00001	0.00009	0.0013	2.44	0.000236
12:00:43.701	-12	0.00001	0.00015	0.00124	2.096	0.000203
12:00:44.701	-12	0.00001	0.0001	0.00195	2.223	0.000215
12:00:45.701	-12	0.00001	0.00014	0.00171	2.148	0.000208
12:00:46.701	-12	0.00001	0.00013	0.00176	2.115	0.000205
12:00:47.701	-12	0.00001	0.00014	0.00147	1.975	0.000191
12:00:48.701	-12	0.00001	0.00013	0.00135	1.483	0.000144
12:00:49.701	-12	0.00001	0.00009	0.00169	1.378	0.000134
12:00:50.701	-12	0.00001	0.00012	0.00162	1.481	0.000143
12:00:51.701	-12	0.00001	0.00008	0.00164	1.225	0.000119
12:00:52.701	-12	0.00001	0.00015	0.00191	1.812	0.000176
12:00:53.701	-12	0.00001	0.00018	0.00146	1.665	0.000161
12:00:54.701	-12	0.00001	0.00019	0.00184	1.547	0.00015
12:00:55.701	-12	0.00001	0.00016	0.00334	2.551	0.000247
12:00:56.701	-12	0.00001	0.00012	0.0038	3.587	0.000347
12:00:57.701	-12	0.00001	0.00016	0.00295	4.289	0.000415
12:00:58.701	-12	0.00001	0.00009	0.00246	4.769	0.000461
12:00:59.701	-12	0.00001	0.00012	0.00192	4.959	0.000479
12:01:00.701	-12	0.00001	0.00008	0.00152	4.595	0.000444
12:01:01.701	-12	0.00001	0.0001	0.0016	4.001	0.000387
12:01:02.701	-12	0.00001	0.00012	0.00232	4.045	0.000391
12:01:03.701	-12	0.00002	0.00011	0.00381	6.145	0.000594
12:01:04.701	-12	0.00002	0.00032	0.00665	9.759	0.000942
12:01:05.701	-12	0.00003	0.00015	0.00715	11.84	0.001143
12:01:06.701	-12	0.00003	0.00026	0.00474	10.754	0.001038
12:01:07.701	-12	0.00004	0.00007	0.00181	5.464	0.000528
12:01:08.701	-12	0.00004	0.0001	0.0021	4.133	0.0004
12:01:09.701	-12	0.00003	0.00009	0.00265	3.596	0.000348
12:01:10.701	-12	0.00003	0.00005	0.0027	3.628	0.000351
12:01:11.701	-12	0.00004	0.00008	0.0033	4.416	0.000427
12:01:12.701	-12	0.00004	0	0.00386	6.36	0.000614
12:01:13.701	-12	0.00004	0.00004	0.0031	6.815	0.000658
12:01:14.701	-12	0.00003	0	0.0019	4.011	0.000387
12:01:15.701	-12	0.00002	0	0.00102	2.741	0.000265

32.6	6.00E-01	-0.800	0.800	0.000	0.606	7.200
32.9	5.00E-01	-0.800	0.700	0.000	0.549	2.300
33.7	5.00E-01	-0.800	0.700	0.000	0.523	4.800
34.1	4.00E-01	-0.800	0.500	0.000	0.390	2.200
35.4	4.00E-01	-0.800	0.500	0.000	0.389	3.500
35.9	4.00E-01	-0.800	0.500	0.000	0.389	4.000
37.4	4.00E-01	-0.800	0.500	0.000	0.390	1.600
37.8	4.00E-01	-0.800	0.500	0.000	0.392	4.100
38.9	4.00E-01	-0.800	0.500	0.000	0.393	3.400
39.1	4.00E-01	-0.800	0.500	0.000	0.393	5.800
39.6	3.00E-01	-0.800	0.400	0.000	0.314	4.300
39.7	3.00E-01	-0.900	0.400	0.000	0.315	4.900
39.9	2.00E-01	-0.900	0.300	0.000	0.237	7.900
39.8	2.00E-01	-0.900	0.300	0.000	0.240	7.800
39.4	2.00E-01	-0.900	0.300	0.000	0.242	13.400
39.3	2.00E-01	-0.900	0.300	0.000	0.242	9.100
39.1	2.00E-01	-0.900	0.300	0.000	0.242	12.900
39	2.00E-01	-0.900	0.300	0.000	0.242	11.400
38.6	2.00E-01	-0.800	0.300	0.000	0.244	11.800
38.4	2.00E-01	-0.900	0.300	0.000	0.246	11.600
37.6	2.00E-01	-0.900	0.300	0.000	0.246	8.000
37.4	2.00E-01	-0.900	0.300	0.000	0.245	11.700
36.8	2.00E-01	-0.900	0.300	0.000	0.244	10.400
36.5	2.00E-01	-0.800	0.300	0.000	0.243	14.000
35.4	2.00E-01	-0.700	0.300	0.000	0.245	15.800
35.2	2.00E-01	-0.700	0.300	0.000	0.247	15.500
34.6	2.00E-01	-0.700	0.300	0.000	0.243	11.500
34.7	2.00E-01	-0.800	0.300	0.000	0.239	8.000
34.9	2.00E-01	-0.800	0.300	0.000	0.237	9.800
35.1	2.00E-01	-0.800	0.300	0.000	0.236	5.400
35.8	2.00E-01	-0.800	0.300	0.000	0.235	7.000
36.1	2.00E-01	-0.700	0.300	0.000	0.235	5.200
36.9	2.00E-01	-0.700	0.300	0.000	0.237	6.500
37	2.00E-01	-0.700	0.300	0.000	0.237	7.900
37.5	2.00E-01	-0.700	0.300	0.000	0.234	5.300
37.8	2.00E-01	-0.700	0.300	0.000	0.232	10.900
38.6	2.00E-01	-0.700	0.300	0.000	0.231	4.400
39.2	3.00E-01	-0.600	0.300	0.000	0.256	7.800
41.2	5.00E-01	-0.400	0.600	0.000	0.499	3.200
41.4	6.00E-01	-0.200	0.800	0.000	0.637	5.800
42.2	6.00E-01	-0.100	0.800	0.000	0.639	5.300
42.2	6.00E-01	-0.100	0.800	0.000	0.637	3.200
42.1	6.00E-01	-0.300	0.800	0.000	0.633	4.600
42.2	6.00E-01	-0.500	0.800	0.000	0.624	0.000
42.6	6.00E-01	-0.600	0.800	0.000	0.619	1.800
42.8	6.00E-01	-0.600	0.800	0.000	0.623	-0.700
43.5	6.00E-01	-0.600	0.700	0.000	0.551	-0.100

193.9	37.94	1539	32.29	84.2	307.312762	354.009804
194	41.21401	1579	32.91	74.1	307.565871	363.522307
194	44.80086	1619	34.141	81.5	295.790094	373.245217
194	44.37222	1656	34.78	81.7	279.478304	381.905057
194	48.01005	1699	35.852	84.2	281.236538	390.862346
194	52.39693	1752	36.585	82	287.858485	402.1
194	37.00458	1784	37.26	71	286.3389	401.933696
194	31.46129	1492	37.88	70.7	294.811435	391.355729
194	31.22177	1498	37.88	75.6	298.495312	385.6575
194	35.54635	1512	38.5	76.1	297.137578	380.494595
	28.27959	1521	38.5	61.2	296.739457	376.312661
	22.6142	1512	38.5	35.5	292.643487	363.637129
	21.78739	1501	37.88	34.3	286.655925	344.665886
	23.9595	1495	37.88	50.7	284.608559	332.2222
	23.66331	1490	37.88	49.8	283.244154	325.062868
194	24.5695	1489	37.88	46	280.329668	314.676153
194	22.66808	1483	37.26	45.3	278.05	307.283205
194	15.32856	1464	37.088	17.5	281.260925	297.040341
194	25.69739	1451	36.994	25.4	277.825615	286.224725
194	23.35387	1421	36.02	40.8	276.316541	282.014622
193.7	22.7275	1408	36.02	50.9	274.644798	280.88424
193.3	22.13521	1390	35.448	45.3	274.527221	280.974017
192.9	11.84678	1364	34.78	2.7	274.144757	274.223913
192.5	21.89122	1335	33.935	22	272.53	266.748925
	23.53706	1323	33.53	43.6	272.436802	266.357
	26.57925	1320	33.53	71.4	273.222308	275.466767
	31.63596	1325	33.53	71.9	275.789535	289.193372
	33.42676	1335	33.721	74.1	278.588586	301.586667
	35.01463	1353	34.339	76.5	281.284895	314.280872
192.3	36.98744	1373	34.78	79.7	285.287091	326.2796
192.7	37.60807	1398	35.4	72.8	287.604615	335.8328
193	28.70067	1414	36.02	64.8	291.232752	337.119704
193.4	32.84365	1427	36.02	72.4	291.100832	338.9375
193.7	31.40644	1429	36.226	74.7	292.10375	340.228671
	47.83236	1447	36.841	93.5	293.376154	359.125198
	64.95913	1491	38.058	86.9	299.523729	391.360099
	72.86826	1544	39.299	83.7	306.276351	416.926667
	66.24038	1584	40.37	76.6	311.915556	422.9
	53.10412	1605	40.99	66.5	316.281509	409.410048
194	31.01113	1605	40.99	57.4	316.151631	393.008243
194	29.37664	1522	40.37	59.1	305.849711	377.085403
194	31.10628	1322	40.99	71.9	305.891747	371.988024
194	37.66421	1330	40.99	87.6	298.93167	379.178813
194	43.31599	1345	41.349	87.8	297.656629	394.59609
	48.73086	1359	42.026	72.8	304.495792	409.191241
	25.89881	1362	41.818	50.5	302.580372	396.907816
	11.76106	1344	41.61	43.4	299.713026	380.325073

0.20385	0.10534	1.75532	2689.629
0.20389	0.10538	1.75809	2695.155
0.20393	0.10548	1.76089	2701.301
0.20396	0.10553	1.76406	2707.67
0.20399	0.10561	1.76754	2714.815
0.20402	0.10571	1.77078	2722.23
0.20404	0.10574	1.7731	2727.659
0.20406	0.10581	1.77512	2732.327
0.20408	0.10586	1.7769	2736.499
0.2041	0.10595	1.779	2740.901
0.20411	0.10601	1.78066	2744.441
0.20412	0.10606	1.78207	2747.379
0.20413	0.10614	1.78347	2750.093
0.20414	0.10623	1.78477	2752.533
0.20415	0.10638	1.78601	2754.629
0.20416	0.10648	1.78796	2756.852
0.20417	0.10662	1.78967	2759
0.20418	0.10675	1.79143	2761.115
0.20419	0.10689	1.7929	2763.09
0.2042	0.10702	1.79425	2764.573
0.20421	0.10711	1.79594	2765.951
0.20422	0.10723	1.79756	2767.432
0.20423	0.10731	1.7992	2768.657
0.20424	0.10746	1.80111	2770.469
0.20425	0.10764	1.80257	2772.134
0.20426	0.10783	1.80441	2773.681
0.20427	0.10799	1.80775	2776.232
0.20428	0.10811	1.81155	2779.819
0.20429	0.10827	1.8145	2784.108
0.2043	0.10836	1.81696	2788.877
0.20431	0.10848	1.81888	2793.836
0.20432	0.10856	1.8204	2798.431
0.20433	0.10866	1.822	2802.432
0.20434	0.10878	1.82432	2806.477
0.20436	0.10889	1.82813	2812.622
0.20438	0.10921	1.83478	2822.381
0.20441	0.10936	1.84193	2834.221
0.20444	0.10962	1.84667	2844.975
0.20448	0.10969	1.84848	2850.439
0.20452	0.10979	1.85058	2854.572
0.20455	0.10988	1.85323	2858.168
0.20458	0.10993	1.85593	2861.796
0.20462	0.11001	1.85923	2866.212
0.20466	0.11001	1.86309	2872.572
0.2047	0.11005	1.86619	2879.387
0.20473	0.11005	1.86809	2883.398
0.20475	0.11005	1.86911	2886.139

12:01:16.701	-12	0.00003	0	0.00129	3.098	0.000299
12:01:17.701	-12	0.00002	0.00003	0.00234	3.018	0.000292
12:01:18.701	-12	0.00002	0.00008	0.00259	3.289	0.000318
12:01:19.701	-12	0.00002	0.00005	0.00224	3.621	0.00035
12:01:20.701	-12	0.00003	0.0001	0.00412	5.982	0.000578
12:01:21.701	-12	0.00003	0.00004	0.00564	8.118	0.000784
12:01:22.701	-12	0.00004	0.00006	0.00428	9.124	0.000881
12:01:23.701	-12	0.00004	0.00004	0.0038	9.543	0.000921
12:01:24.701	-12	0.00003	0.00002	0.00279	6.342	0.000613
12:01:25.701	-12	0.00002	0.00008	0.00263	4.707	0.000455
12:01:26.701	-12	0.00002	0.00002	0.00349	4.512	0.000436
12:01:27.701	-12	0.00002	0.00006	0.00335	4.944	0.000478
12:01:28.701	-12	0.00002	0.00001	0.00285	5.241	0.000506
12:01:29.701	-12	0.00002	0.00004	0.00186	4.354	0.00042
12:01:30.701	-12	0.00002	0.00002	0.00174	3.951	0.000382
12:01:31.701	-12	0.00002	0.00003	0.00185	3.425	0.000331
12:01:32.701	-12	0.00001	0.00005	0.00145	2.856	0.000276
12:01:33.701	-12	0.00001	0.00002	0.00151	2.538	0.000245
12:01:34.701	-12	0.00001	0.00009	0.00133	2.522	0.000244
12:01:35.701	-12	0.00001	0.00007	0.00148	2.496	0.000241
12:01:36.701	-12	0.00001	0.00012	0.00197	2.893	0.00028
12:01:37.701	-12	0.00001	0.00011	0.00229	3.441	0.000333
12:01:38.701	-12	0.00001	0.00011	0.00261	3.848	0.000372
12:01:39.701	-12	0.00001	0.00011	0.00192	3.531	0.000341
12:01:40.701	-12	0.00001	0.00004	0.00155	2.862	0.000277
12:01:41.701	-12	0.00001	0.00005	0.00154	2.507	0.000242
12:01:42.701	-12	0.00001	0.00004	0.00167	2.395	0.000232
12:01:43.701	-12	0.00001	0.00008	0.00177	2.363	0.000229
12:01:44.701	-12	0.00001	0.0001	0.00174	2.108	0.000204
12:01:45.701	-12	0.00001	0.00009	0.00126	1.777	0.000172
12:01:46.701	-12	0.00001	0.0001	0.00178	1.524	0.000148
12:01:47.701	-12	0.00001	0.00005	0.00192	1.493	0.000145
12:01:48.701	-12	0.00001	0.00012	0.0018	1.687	0.000163
12:01:49.701	-12	0.00001	0.00008	0.00168	1.861	0.00018
12:01:50.701	-12	0.00001	0.00011	0.00165	1.923	0.000186
12:01:51.701	-12	0.00001	0.00009	0.00147	1.919	0.000186
12:01:52.701	-12	0.00001	0.00009	0.00156	1.816	0.000176
12:01:53.701	-12	0.00001	0.0001	0.00161	1.683	0.000163
12:01:54.701	-12	0.00001	0.00006	0.00153	1.573	0.000152
12:01:55.701	-12	0.00001	0.00012	0.0014	1.552	0.00015
12:01:56.701	-12	0.00001	0.00007	0.00139	1.536	0.000149
12:01:57.701	-12	0.00001	0.00011	0.00138	1.522	0.000147
12:01:58.701	-12	0.00001	0.00012	0.0015	1.465	0.000142
12:01:59.701	-12	0.00001	0.00016	0.00165	1.374	0.000133
12:02:00.701	-12	0.00001	0.00012	0.00181	1.31	0.000127
12:02:01.701	-12	0.00001	0.00008	0.00195	1.252	0.000121
12:02:02.701	-12	0.00001	0.00011	0.002	1.238	0.00012

43.3	6.00E-01	-0.800	0.700	0.000	0.558	0.000		29.30692	1333	40.99	64.9	300.662749	363.19697
42.7	5.00E-01	-0.900	0.600	0.000	0.482	2.300		29.70446	1331	41.225	80.6	299.310313	361.6
42.6	5.00E-01	-0.900	0.600	0.000	0.454	5.700	195.8	27.56477	1325	40.99	63.4	305.846787	354.593833
42.3	4.00E-01	-0.900	0.500	0.000	0.398	3.400	195.8	31.86832	1324	40.99	87.8	312.015921	352.747725
42.3	4.00E-01	-0.900	0.500	0.000	0.393	4.600	195.8	48.71311	1335	41.145	89.8	323.798462	371.047882
42.1	4.00E-01	-0.900	0.500	0.000	0.388	1.500	195.8	54.76941	1359	41.983	83.4	340.176279	395.55163
42.5	4.00E-01	-0.900	0.500	0.000	0.386	2.100	195.8	57.05667	1385	42.674	84.6	342.464991	413.120982
43.6	4.00E-01	-0.900	0.500	0.000	0.387	1.500		59.65605	1406	43.274	74.2	351.321058	423.894006
44	4.00E-01	-0.800	0.500	0.000	0.390	1.000		33.02575	1425	43.898	76.2	353.086207	421.1308
45.1	4.00E-01	-0.800	0.500	0.000	0.394	4.300		39.54075	1426	44.09	78.7	349.475983	414.243629
45.2	4.00E-01	-0.800	0.500	0.000	0.394	1.400		32.43817	1424	44.09	83.2	345.989327	410.820198
45.5	4.00E-01	-0.800	0.500	0.000	0.392	3.600		37.14453	1428	44.09	82.1	345.228676	408.917036
45.5	4.00E-01	-0.900	0.500	0.000	0.391	0.400	196.2	39.48918	1436	44.09	83.7	350.418138	412.364136
45.7	4.00E-01	-0.900	0.500	0.000	0.390	2.800	196.6	27.8097	1439	44.09	63	343.097732	407.697059
45.7	4.00E-01	-0.900	0.500	0.000	0.392	1.800	196.9	32.44973	1442	44.71	69.3	337.507124	398.261635
45.9	4.00E-01	-0.900	0.500	0.000	0.394	2.600	197.3	26.78329	1443	44.71	57.8	321.08907	390.178237
45.9	3.00E-01	-1.000	0.400	0.000	0.316	4.300	197.5	24.57505	1441	44.504	43.4	310.469674	379.249511
46	3.00E-01	-1.000	0.400	0.000	0.317	1.600	197.1	22.26441	1437	44.09	51.6	309.194818	368.081319
45.9	3.00E-01	-1.000	0.400	0.000	0.318	8.500	196.8	23.36806	1432	44.09	47.3	307.848462	357.249258
45.7	2.00E-01	-1.000	0.300	0.000	0.239	6.100	196.4	23.08304	1427	44.09	47.8	305.86319	348.105481
45.7	2.00E-01	-1.000	0.300	0.000	0.239	9.400	196	28.10298	1426	44.09	56.5	300.526554	342.487202
45.5	2.00E-01	-1.000	0.300	0.000	0.239	7.400		30.9665	1431	44.09	67.8	302.365234	344.310264
45.6	2.00E-01	-1.000	0.300	0.000	0.238	6.800		32.1338	1438	44.09	67	302.67973	346.641809
45.8	2.00E-01	-1.000	0.300	0.000	0.237	7.900		28.24917	1440	44.378	59.8	304.169017	346.342745
45.8	2.00E-01	-1.000	0.300	0.000	0.238	3.800		24.49059	1440	44.407	50.5	304.644204	342.6008
45.9	2.00E-01	-1.000	0.300	0.000	0.239	4.600		21.78444	1436	44.09	54	305.483889	338.351569
45.9	2.00E-01	-1.100	0.300	0.000	0.239	4.100	194	22.95372	1431	44.09	46.1	302.7625	332.326154
45.8	2.00E-01	-1.100	0.300	0.000	0.239	7.900	194	21.36041	1429	44.09	34.9	304.946436	321.646593
45.7	2.00E-01	-1.000	0.300	0.000	0.241	10.300	194	21.12573	1423	44.09	32.9	303.67027	309.510588
45.5	2.00E-01	-1.000	0.300	0.000	0.243	8.500	194	21.31184	1424	44.067	36.6	302.376939	298.845593
45.4	2.00E-01	-1.000	0.300	0.000	0.245	9.300	194	22.14426	1419	43.619	42.6	299.732718	292.777609
45.2	2.00E-01	-1.000	0.300	0.000	0.245	5.300	193.7	22.23571	1422	43.685	43.1	298.634286	290.264935
45.2	2.00E-01	-1.000	0.300	0.000	0.244	10.800	193.3	22.89118	1425	44.09	44.5	298.296466	289.3
45.3	2.00E-01	-1.000	0.300	0.000	0.243	7.100	193	23.21733	1427	44.09	44.2	298.842945	288.915345
45.3	2.00E-01	-1.000	0.300	0.000	0.243	10.600	192.6	22.89803	1428	44.09	41.3	296.570125	286.810356
45.5	2.00E-01	-0.900	0.300	0.000	0.243	8.400	192.3	22.2775	1430	44.09	37.6	295.356687	282.835178
45.5	2.00E-01	-0.900	0.300	0.000	0.243	8.700	192.2	22.22	1430	44.09	37.2	293.034447	278.071471
45.7	2.00E-01	-0.900	0.300	0.000	0.244	9.900	192.2	21.67624	1428	44.09	38.5	292.185312	273.748352
45.7	2.00E-01	-0.900	0.300	0.000	0.245	6.200	192.2	21.99691	1430	44.09	37.5	290.447619	270.604692
45.6	2.00E-01	-0.900	0.300	0.000	0.245	11.800	192.2	21.48273	1430	44.09	37.6	288.227547	267.5435
45.6	2.00E-01	-0.900	0.300	0.000	0.245	7.300	192.2	21.74969	1428	44.09	38	286.4881	264.582717
45.6	2.00E-01	-0.800	0.300	0.000	0.245	10.500	192.2	21.49489	1431	44.09	34.7	285.447699	261.797902
45.6	2.00E-01	-0.800	0.300	0.000	0.245	12.000	192.2	21.41	1430	44.09	34.8	283.752505	257.639222
45.6	2.00E-01	-0.800	0.300	0.000	0.246	15.700	192.2	21.12319	1435	44.09	31.5	282.197143	253.545082
45.6	3.00E-01	-0.900	0.400	0.000	0.328	11.700	192.2	21.17122	1435	44.09	32.1	285.162162	249.599348
45.8	3.00E-01	-1.000	0.400	0.000	0.329	8.300	192.2	20.97681	1433	44.09	35.1	289.554253	246.352717
45.8	3.00E-01	-1.000	0.400	0.000	0.329	10.600	191.8	21.59187	1447	44.634	40.9	288.289635	245.4773

0.20478	0.11005	1.8704	2889.237
0.2048	0.11008	1.87274	2892.255
0.20482	0.11016	1.87533	2895.544
0.20484	0.11021	1.87757	2899.165
0.20487	0.11031	1.88169	2905.147
0.2049	0.11035	1.88733	2913.265
0.20494	0.11041	1.89161	2922.389
0.20498	0.11045	1.89541	2931.932
0.20501	0.11047	1.8982	2938.274
0.20503	0.11055	1.90083	2942.981
0.20505	0.11057	1.90432	2947.493
0.20507	0.11063	1.90767	2952.437
0.20509	0.11064	1.91052	2957.678
0.20511	0.11068	1.91238	2962.032
0.20513	0.1107	1.91412	2965.983
0.20515	0.11073	1.91597	2969.408
0.20516	0.11078	1.91742	2972.264
0.20517	0.1108	1.91893	2974.802
0.20518	0.11089	1.92026	2977.324
0.20519	0.11096	1.92174	2979.82
0.2052	0.11108	1.92371	2982.713
0.20521	0.11119	1.926	2986.154
0.20522	0.1113	1.92861	2990.002
0.20523	0.11141	1.93053	2993.533
0.20524	0.11145	1.93208	2996.395
0.20525	0.1115	1.93362	2998.902
0.20526	0.11154	1.93529	3001.297
0.20527	0.11162	1.93706	3003.66
0.20528	0.11172	1.9388	3005.768
0.20529	0.11181	1.94006	3007.545
0.2053	0.11191	1.94184	3009.069
0.20531	0.11196	1.94376	3010.562
0.20532	0.11208	1.94556	3012.249
0.20533	0.11216	1.94724	3014.11
0.20534	0.11227	1.94889	3016.033
0.20535	0.11236	1.95036	3017.952
0.20536	0.11245	1.95192	3019.768
0.20537	0.11255	1.95353	3021.451
0.20538	0.11261	1.95506	3023.024
0.20539	0.11273	1.95646	3024.576
0.2054	0.1128	1.95785	3026.112
0.20541	0.11291	1.95923	3027.634
0.20542	0.11303	1.96073	3029.099
0.20543	0.11319	1.96238	3030.473
0.20544	0.11331	1.96419	3031.783
0.20545	0.11339	1.96614	3033.035
0.20546	0.1135	1.96814	3034.273

12:02:03.701	-12	0.00001	0.00007	0.00209	1.317	0.000128
12:02:04.701	-12	0.00001	0.0001	0.00199	1.536	0.000149
12:02:05.701	-12	0.00001	0.0001	0.00222	1.911	0.000185
12:02:06.701	-12	0.00001	0.00011	0.00246	2.246	0.000218
12:02:07.701	-12	0.00001	0.00013	0.00239	2.406	0.000233
12:02:08.701	-12	0.00001	0.00009	0.00203	2.478	0.00024
12:02:09.701	-12	0.00002	0.00014	0.00196	2.459	0.000238
12:02:10.701	-12	0.00001	0.00008	0.00177	2.423	0.000234
12:02:11.701	-12	0.00002	0.00013	0.00167	2.264	0.000219
12:02:12.701	-12	0.00002	0.0001	0.00165	1.919	0.000186
12:02:13.701	-12	0.00002	0.0001	0.00174	1.794	0.000174
12:02:14.701	-12	0.00002	0.00012	0.00214	1.983	0.000192
12:02:15.701	-12	0.00002	0.00009	0.00242	2.646	0.000256
12:02:16.701	-12	0.00002	0.00016	0.00261	3.418	0.000331
12:02:17.701	-12	0.00003	0.00009	0.00245	4.08	0.000394
12:02:18.701	-12	0.00003	0.00012	0.00206	4.095	0.000396
12:02:19.701	-12	0.00002	0.00005	0.00183	3.488	0.000337
12:02:20.701	-12	0.00002	0.00006	0.00174	2.839	0.000275
12:02:21.701	-12	0.00002	0.00007	0.00192	2.728	0.000264
12:02:22.701	-12	0.00003	0.00007	0.00257	3.325	0.000322
12:02:23.701	-12	0.00003	0.00015	0.00265	3.974	0.000384
12:02:24.701	-12	0.00003	0.00009	0.0025	4.777	0.000462
12:02:25.701	-12	0.00003	0.00012	0.00232	5.143	0.000497
12:02:26.701	-12	0.00003	0.00007	0.00206	5.192	0.000501
12:02:27.701	-12	0.00003	0.00007	0.00204	5.065	0.000489
12:02:28.701	-12	0.00004	0.00009	0.00247	5.551	0.000536
12:02:29.701	-12	0.00004	0.00007	0.00384	6.77	0.000654
12:02:30.701	-12	0.00005	0.00013	0.00465	8.219	0.000793
12:02:31.701	-12	0.00005	0.00003	0.00385	8.742	0.000844
12:02:32.701	-12	0.00004	0.00008	0.00297	7.119	0.000687
12:02:33.701	-12	0.00003	0.00002	0.00219	4.792	0.000463
12:02:34.701	-12	0.00002	0.00004	0.00139	3.5	0.000338
12:02:35.701	-12	0.00002	0.00004	0.00112	2.733	0.000264
12:02:36.701	-12	0.00002	0.00003	0.00122	2.438	0.000236
12:02:37.701	-12	0.00002	0.00008	0.0013	2.082	0.000201
12:02:38.701	-12	0.00002	0.00006	0.00133	1.893	0.000183
12:02:39.701	-12	0.00001	0.00008	0.00111	1.21	0.000117
12:02:40.701	-12	0.00002	0.0001	0.00096	1.56	0.000151
12:02:41.701	-12	0.00004	0.00015	0.00122	1.477	0.000143
12:02:42.701	-12	0.00004	0.00012	0.0017	0.76	0.000074
12:02:43.701	-12	0.00004	0.00006	0.002	0.47	0.000046
12:02:44.701	-12	0.00003	0.0001	0.00237	0.265	0.000024
12:02:45.701	-12	0.00002	0.00001	0.00122	0.117	0.000012
12:02:46.701	-12	0.00001	0.00004	0.00094	0.095	0.00001
12:02:47.701	-12	0.00001	0.00002	0.00082	0.114	0.000011
12:02:48.701	-12	0.00001	0.00003	0.00087	0.164	0.000016
12:02:49.701	-12	0.00002	0.00005	0.00174	0.314	0.000031

45.8	3.00E-01	-1.000	0.400	0.000	0.329	6.400
45.9	3.00E-01	-1.000	0.400	0.000	0.327	8.700
46.1	3.00E-01	-1.000	0.400	0.000	0.325	8.400
46.1	3.00E-01	-1.000	0.400	0.000	0.322	9.700
46.3	3.00E-01	-1.000	0.400	0.000	0.321	10.800
46.4	3.00E-01	-1.000	0.400	0.000	0.320	7.600
46.6	4.00E-01	-1.000	0.500	0.000	0.400	12.700
46.6	4.00E-01	-1.000	0.500	0.000	0.400	7.300
46.6	5.00E-01	-1.000	0.600	0.000	0.481	11.500
46.6	5.00E-01	-1.000	0.600	0.000	0.485	9.800
46.5	5.00E-01	-1.000	0.600	0.000	0.487	9.300
46.4	5.00E-01	-1.000	0.600	0.000	0.488	9.800
46.1	5.00E-01	-1.000	0.600	0.000	0.484	6.100
46.2	5.00E-01	-1.100	0.600	0.000	0.479	10.700
46.5	5.00E-01	-1.000	0.600	0.000	0.501	5.400
46.7	6.00E-01	-1.000	0.700	0.000	0.552	7.800
47.2	6.00E-01	-1.000	0.700	0.000	0.553	3.800
47.2	6.00E-01	-1.100	0.700	0.000	0.554	5.200
47.2	6.00E-01	-1.100	0.700	0.000	0.556	6.000
47.1	6.00E-01	-1.100	0.700	0.000	0.556	5.000
46.8	6.00E-01	-1.100	0.700	0.000	0.553	9.300
46.8	5.00E-01	-1.000	0.700	0.000	0.550	5.200
46.8	5.00E-01	-0.900	0.700	0.000	0.549	6.600
46.9	5.00E-01	-0.900	0.700	0.000	0.548	3.900
47.1	5.00E-01	-0.900	0.700	0.000	0.549	3.900
47.1	5.00E-01	-0.900	0.700	0.000	0.549	4.300
47.2	5.00E-01	-0.900	0.700	0.000	0.546	3.300
47.4	5.00E-01	-0.900	0.700	0.000	0.542	5.200
47.9	5.00E-01	-0.900	0.700	0.000	0.541	1.200
48.1	5.00E-01	-0.900	0.700	0.000	0.544	3.300
48.7	5.00E-01	-0.900	0.700	0.000	0.548	1.400
48.7	6.00E-01	-0.900	0.700	0.000	0.551	3.000
48.6	6.00E-01	-0.900	0.700	0.000	0.553	4.100
48.4	6.00E-01	-0.800	0.700	0.000	0.556	3.400
47.8	6.00E-01	-0.900	0.700	0.000	0.560	8.600
47.6	6.00E-01	-0.900	0.700	0.000	0.564	6.200
46.8	6.00E-01	-1.000	0.700	0.000	0.568	10.700
46.4	6.00E-01	-1.000	0.700	0.000	0.575	7.900
45.3	6.00E-01	-1.000	0.700	0.000	0.584	7.300
44.9	6.00E-01	-1.000	0.700	0.000	0.590	5.600
43.7	6.00E-01	-1.100	0.700	0.000	0.592	2.900
43.3	6.00E-01	-1.200	0.700	0.000	0.593	6.000
42.1	6.00E-01	-1.200	0.700	0.000	0.592	1.300
41.8	6.00E-01	-1.200	0.700	0.000	0.592	5.500
40.9	6.00E-01	-1.200	0.700	0.000	0.593	3.400
40.6	6.00E-01	-1.200	0.700	0.000	0.591	5.800
39.6	6.00E-01	-1.300	0.700	0.000	0.590	6.000

191.4	23.11762	1446	44.71	47.9	288.794242	248.223077
191	23.79132	1449	44.71	48.7	291.624792	252.936705
190.7	24.20603	1452	44.71	49.4	299.773558	258.538333
190.4	24.535	1454	44.71	49.4	305.412547	263.509622
190.4	24.89881	1458	44.71	49.7	305.649049	267.72
190.4	25.30938	1461	44.89	50.7	306.056635	271.2387
190.4	25.08219	1464	45.33	47.2	308.926305	273.718248
190.4	23.55186	1462	44.987	38.3	311.854713	270.727687
190.4	23.00425	1459	44.71	39.4	311.599077	264.962843
190.4	22.38943	1455	44.71	39.7	311.568854	260.247284
190.4	22.88857	1450	44.71	45.3	306.44898	257.132602
190.4	25.98682	1446	44.71	59.3	305.803043	260.613187
190.4	30.14943	1454	44.71	69.5	304.118519	271.831488
190.4	32.0002	1466	45.33	73.9	301.1	282.261383
190.4	34.9456	1477	45.33	75.4	305.714201	293.193994
190.4	32.53349	1483	45.95	68.6	307.685204	302.239576
190.4	27.4135	1478	45.357	51.4	311.359615	303.846865
	24.15647	1475	45.33	52.2	311.742035	301.304575
	23.98948	1471	45.33	59.7	310.51625	298.878643
	28.9441	1468	45.33	75.5	309.780776	300.979628
	34.9018	1472	45.33	77.3	310.031902	308.172755
	37.41917	1470	45.33	79.6	311.351887	316.876535
190.5	37.55716	1475	45.33	79.4	312.887273	325.450243
190.8	37.47401	1477	45.33	78.3	313.798387	331.403667
191.2	37.35919	1482	45.95	81.7	314.580769	335.275668
191.6	39.84806	1487	45.95	90.9	314.239257	343.798079
191.9	47.6149	1494	45.953	90	313.913953	360.27124
192.2	54.15602	1512	46.58	83.7	309.499284	378.933333
192.2	56.46263	1526	47.2	81.2	308.552533	393.591168
192.2	49.02732	1533	47.2	75.6	300.637037	398.548265
192.2	24.93677	1527	47.2	72.1	309.58509	389.70702
192.2	27.20474	1514	46.589	59.4	311.880527	378.276969
	22.56145	1504	46.58	45.2	307.006122	362.124482
	21.68804	1487	45.95	42.6	301.075049	344.181587
	21.58485	1477	45.404	25.4	297.200405	329.014286
	21.82719	1455	44.757	7.4	294.396154	309.865385
	12.59274	1432	44.187	1.6	290.49692	294
192.2	23.83762	1408	43.451	0.3	287.446401	281.872668
192.2	45.57457	1384	42.743	0	282.581186	267.839139
192.2	47.20777	1359	41.61	0	277.089099	250.778291
192.2	46.40578	1334	40.99	0	262.980502	235.888139
192.2	45.59682	1311	40.37	0	255.252963	223.193548
191.9	24.52055	1289	39.74	14.7	251.1658	216.167483
191.5	11.68102	1271	39.12	4.6	251.653226	213.631264
191.1	11.12808	1250	38.5	0.1	250.583929	211.36277
190.8	10.75143	1230	37.88	8.3	256.527619	209.982789
190.4	14.01704	1228	37.88	36.4	257.579439	209.731957

0.20547	0.11357	1.97023	3035.59
0.20548	0.11367	1.97222	3037.126
0.20549	0.11377	1.97444	3039.037
0.2055	0.11388	1.9769	3041.283
0.20551	0.11401	1.97929	3043.689
0.20552	0.1141	1.98132	3046.167
0.20554	0.11424	1.98328	3048.626
0.20555	0.11432	1.98505	3051.049
0.20557	0.11445	1.98672	3053.313
0.20559	0.11455	1.98837	3055.232
0.20561	0.11465	1.99011	3057.026
0.20563	0.11477	1.99225	3059.009
0.20565	0.11486	1.99467	3061.655
0.20567	0.11502	1.99728	3065.073
0.2057	0.11511	1.99973	3069.153
0.20573	0.11523	2.00179	3073.248
0.20575	0.11528	2.00362	3076.736
0.20577	0.11534	2.00536	3079.575
0.20579	0.11541	2.00728	3082.303
0.20582	0.11548	2.00985	3085.628
0.20585	0.11563	2.0125	3089.602
0.20588	0.11572	2.015	3094.379
0.20591	0.11584	2.01732	3099.522
0.20594	0.11591	2.01938	3104.714
0.20597	0.11598	2.02142	3109.779
0.20601	0.11607	2.02389	3115.33
0.20605	0.11614	2.02773	3122.1
0.2061	0.11627	2.03238	3130.319
0.20615	0.1163	2.03623	3139.061
0.20619	0.11638	2.0392	3146.18
0.20622	0.1164	2.04139	3150.972
0.20624	0.11644	2.04278	3154.472
0.20626	0.11648	2.0439	3157.205
0.20628	0.11651	2.04512	3159.643
0.2063	0.11659	2.04642	3161.725
0.20632	0.11665	2.04775	3163.618
0.20633	0.11673	2.04886	3164.828
0.20635	0.11683	2.04982	3166.388
0.20639	0.11698	2.05104	3167.865
0.20643	0.1171	2.05274	3168.625
0.20647	0.11716	2.05474	3169.095
0.2065	0.11726	2.05711	3169.36
0.20652	0.11727	2.05833	3169.477
0.20653	0.11731	2.05927	3169.572
0.20654	0.11733	2.06009	3169.686
0.20655	0.11736	2.06096	3169.85
0.20657	0.11741	2.0627	3170.164

12:02:50.701	-12	0.00002	0.00004	0.0016	0.287	0.000028
12:02:51.701	-12	0.00002	0.00009	0.00178	0.358	0.000035
12:02:52.701	-12	0.00002	0.00004	0.00212	0.541	0.000053
12:02:53.701	-12	0.00001	0.00005	0.00163	0.621	0.00006
12:02:54.701	-12	0.00001	0.00004	0.00109	0.614	0.00006
12:02:55.701	-12	0.00001	0.00004	0.00081	0.557	0.000054
12:02:56.701	-12	0.00001	0.00004	0.00084	0.486	0.000047
12:02:57.701	-12	0.00001	0.00002	0.0008	0.421	0.000041
12:02:58.701	-12	0.00001	0.00005	0.00073	0.381	0.000037
12:02:59.701	-12	0.00002	0.00003	0.00138	0.45	0.000044
12:03:00.701	-12	0.00002	0.00009	0.00177	0.343	0.000033
12:03:01.701	-12	0.00002	0.00007	0.00258	0.821	0.00008
12:03:02.701	-12	0.00002	0.00013	0.00444	1.903	0.000185
12:03:03.701	-12	0.00002	0.00013	0.00394	3.048	0.000295
12:03:04.701	-12	0.00003	0.00012	0.00434	4.66	0.000451
12:03:05.701	-12	0.00004	0.00013	0.00342	5.674	0.000548
12:03:06.701	-12	0.00003	0.00007	0.00186	4.71	0.000455
12:03:07.701	-12	0.00003	0.00008	0.00187	4.202	0.000406
12:03:08.701	-12	0.00003	0.00004	0.00379	4.53	0.000438
12:03:09.701	-12	0.00003	0.00009	0.0031	4.638	0.000448
12:03:10.701	-12	0.00003	0.00008	0.00251	4.222	0.000408
12:03:11.701	-12	0.00002	0.00007	0.0021	3.375	0.000326
12:03:12.701	-12	0.00002	0.00015	0.00216	3.183	0.000308
12:03:13.701	-12	0.00002	0.00009	0.00222	3.184	0.000308
12:03:14.701	-12	0.00002	0.00014	0.00194	2.813	0.000272
12:03:15.701	-12	0.00002	0.0001	0.00192	2.749	0.000266
12:03:16.701	-12	0.00002	0.00016	0.00204	3.101	0.0003
12:03:17.701	-12	0.00003	0.00019	0.00248	3.771	0.000365
12:03:18.701	-12	0.00003	0.00019	0.00286	4.703	0.000455
12:03:19.701	-12	0.00004	0.00022	0.00306	5.938	0.000574
12:03:20.701	-12	0.00005	0.00011	0.00332	7.524	0.000727
12:03:21.701	-12	0.00006	0.00031	0.00682	11.529	0.001113
12:03:22.701	-12	0.00008	0.00019	0.00697	14.106	0.001361
12:03:23.701	-12	0.0001	0.00023	0.00559	12.784	0.001234
12:03:24.701	-12	0.00023	0.00018	0.00468	9.511	0.000919
12:03:25.701	-12	0.00029	0.00013	0.00455	7.89	0.000762
12:03:26.701	-12	0.00018	0.00011	0.00277	4.611	0.000446
12:03:27.701	-12	0.00012	0.00005	0.00146	3.137	0.000303
12:03:28.701	-12	0.0001	0.00013	0.00143	3.086	0.000298
12:03:29.701	-12	0.00007	0.0001	0.00189	3.397	0.000328
12:03:30.701	-12	0.00006	0.00019	0.00216	4.002	0.000387
12:03:31.701	-12	0.00006	0.00015	0.00181	4.316	0.000417
12:03:32.701	-12	0.00006	0.00016	0.00176	4.815	0.000465
12:03:33.701	-12	0.00007	0.00019	0.00324	5.84	0.000564
12:03:34.701	-12	0.00006	0.00003	0.00243	5.475	0.000529
12:03:35.701	-12	0.00005	0.00005	0.00251	5.328	0.000515
12:03:36.701	-12	0.00005	0.00002	0.00289	5.395	0.000521

39.4	6.00E-01	-1.300	0.700	0.000	0.591	3.900
38.8	6.00E-01	-1.300	0.700	0.000	0.590	9.600
38.7	6.00E-01	-1.300	0.700	0.000	0.585	5.400
38.4	6.00E-01	-1.300	0.700	0.000	0.580	8.000
38.2	6.00E-01	-1.300	0.700	0.000	0.578	6.600
37.5	6.00E-01	-1.200	0.700	0.000	0.578	7.700
37.2	6.00E-01	-1.200	0.700	0.000	0.579	7.400
36.4	6.00E-01	-1.200	0.700	0.000	0.582	4.000
36.1	6.00E-01	-1.200	0.700	0.000	0.586	8.100
35.2	6.00E-01	-1.200	0.700	0.000	0.590	2.600
35.1	6.00E-01	-1.200	0.700	0.000	0.591	8.400
34.6	6.00E-01	-1.200	0.700	0.000	0.559	6.200
34.7	5.00E-01	-1.200	0.600	0.000	0.491	9.400
35	5.00E-01	-1.200	0.600	0.000	0.482	8.600
35.2	5.00E-01	-1.200	0.600	0.000	0.499	6.300
36	6.00E-01	-1.100	0.700	0.000	0.550	6.500
36.3	6.00E-01	-1.100	0.700	0.000	0.554	3.900
37.2	6.00E-01	-1.000	0.700	0.000	0.558	4.600
37.3	6.00E-01	-0.900	0.700	0.000	0.555	2.000
37.7	6.00E-01	-0.900	0.700	0.000	0.552	5.300
37.8	6.00E-01	-0.900	0.700	0.000	0.552	5.100
38.2	6.00E-01	-0.900	0.700	0.000	0.553	5.700
38.2	6.00E-01	-0.900	0.700	0.000	0.554	11.700
38.2	6.00E-01	-0.900	0.700	0.000	0.555	7.200
38.2	6.00E-01	-0.900	0.700	0.000	0.555	12.300
38	6.00E-01	-1.000	0.700	0.000	0.555	9.100
38	6.00E-01	-1.000	0.700	0.000	0.556	12.300
38	6.00E-01	-1.100	0.700	0.000	0.555	12.400
38.1	6.00E-01	-1.100	0.700	0.000	0.552	10.800
38.6	5.00E-01	-1.100	0.700	0.000	0.549	10.600
38.9	5.00E-01	-1.100	0.700	0.000	0.546	4.400
39.8	5.00E-01	-1.100	0.700	0.000	0.542	8.700
40.4	6.00E-01	-1.100	0.700	0.000	0.565	4.500
42.2	7.00E-01	-0.100	0.900	0.000	0.722	5.700
43.1	2.20E+00	1.500	1.300	1.190	0.989	5.400
45.7	3.20E+00	2.400	1.700	1.902	1.330	4.700
46.2	3.30E+00	2.500	1.700	1.939	1.335	6.700
47.6	2.90E+00	1.900	1.700	1.535	1.343	4.200
47.6	2.30E+00	1.200	1.700	0.931	1.349	10.600
47.6	1.50E+00	0.300	1.600	0.244	1.246	7.300
47.6	1.10E+00	-0.100	1.400	0.000	1.107	12.200
47.5	1.10E+00	-0.500	1.400	0.000	1.106	9.300
47.5	1.00E+00	-0.800	1.300	0.000	1.026	9.000
47.5	1.00E+00	-0.900	1.300	0.000	1.020	9.300
47.7	9.00E-01	-0.900	1.200	0.000	0.939	1.500
48.4	9.00E-01	-0.900	1.100	0.000	0.864	2.500
48.5	8.00E-01	-0.900	1.000	0.000	0.785	1.100

190.4	20.96241	1214	37.26	31.8	264.000937	212.922271
190.4	19.53575	1212	37.26	31.2	272.420265	216.795548
190.4	18.00294	1199	36.64	21.4	272.526125	217.6
190.4	10.68735	1184	36.496	0	269.044102	214.458935
190.4	10.53202	1167	35.902	0	266.433704	211.00275
190.4	10.24846	1149	35.4	0	262.737975	208.008396
190.4	9.98039	1132	34.78	0	263.794896	205.061513
190.4	9.83882	1135	34.16	1.9	265.228261	202.422167
190.4	11.21837	1328	33.53	15.3	269.979021	200.294737
190.2	24.92413	1315	33.53	35.9	266.780709	199.9
189.9	23.11636	1316	33.53	43.5	263.548	207.568935
189.5	24.85909	1323	33.53	60.9	267.105462	220.785419
189.1	30.01236	1339	34.151	70.9	266.865039	236.626087
188.7	31.59092	1358	34.248	71.1	269.030777	253.272973
188.8	41.70963	1386	34.868	80.1	275.231002	274.060413
189.2	42.51704	1410	36.02	61.2	282.57004	296.261166
189.6	39.22211	1426	36.02	61.2	281.291111	293.6922
190	40.27453	1434	36.64	74.5	283.3647	301.756867
190.3	38.48462	1445	36.64	76.9	289.800769	308.926784
190.4	35.07658	1452	36.64	71.6	291.367901	315.157296
190.4	31.80485	1457	37.26	71.1	293.986047	316.076708
190.4	25.72823	1454	37.04	61	292.67625	314.220693
190.4	26.36	1448	36.64	59.6	294.051977	309.821311
190.4	31.01673	1442	36.64	70.2	292.618405	308.2
190.4	24.044	1445	36.64	48.4	291.551479	305.520236
190.4	23.87031	1440	36.64	62.4	287.549794	300.2
190.4	25.69399	1442	36.64	71.7	287.291745	299.891447
190.4	34.9097	1455	37.092	81.8	285.588406	304.297529
190.4	37.21135	1478	37.693	81.6	290.001711	313.925451
	44.42568	1503	38.312	82.7	293.936075	325.845607
	50.20648	1538	38.915	86.3	300.779127	343.86293
	77.591	1585	40.16	94.5	310.435872	373.803064
	88.09491	1652	41.836	86.7	325.874763	407.151322
	85.61338	1720	43.646	81.3	336.024476	426.047855
192.6	68.57905	1763	44.586	76.2	323.934396	431.053595
193	58.23514	1798	45.95	82.1	299.240395	428.475241
193.4	29.39744	1547	45.95	66.1	285.565658	415.238882
193.8	24.03627	1494	45.95	58.7	266.325831	395.89587
194	24.71269	1490	45.95	56.3	274.779738	379.342421
194	28.04112	1490	45.95	63.8	271.8625	368.408902
194	36.5573	1492	45.95	70	268.821605	362.720176
194	33.83219	1495	45.95	63.3	270.521712	357.882671
194	37.84159	1501	46.444	82.4	277.474485	357.6
194	46.00667	1513	46.58	83.3	291.594474	373.449081
194	32.57667	1523	47.2	87.4	294.905939	375.619595
194	38.92594	1528	47.2	85.8	290.630021	371.951222
194	40.25672	1534	47.2	78.4	295.177079	380.6059

0.20659	0.11745	2.0643	3170.451
0.20661	0.11754	2.06608	3170.809
0.20663	0.11758	2.0682	3171.35
0.20664	0.11763	2.06983	3171.971
0.20665	0.11767	2.07092	3172.585
0.20666	0.11771	2.07173	3173.142
0.20667	0.11775	2.07257	3173.628
0.20668	0.11777	2.07337	3174.049
0.20669	0.11782	2.0741	3174.43
0.20671	0.11785	2.07548	3174.88
0.20673	0.11794	2.07725	3175.223
0.20675	0.11801	2.07983	3176.044
0.20677	0.11814	2.08427	3177.947
0.20679	0.11827	2.08821	3180.995
0.20682	0.11839	2.09255	3185.655
0.20686	0.11852	2.09597	3191.329
0.20689	0.11859	2.09783	3196.039
0.20692	0.11867	2.0997	3200.241
0.20695	0.11871	2.10349	3204.771
0.20698	0.1188	2.10659	3209.409
0.20701	0.11888	2.1091	3213.631
0.20703	0.11895	2.1112	3217.006
0.20705	0.1191	2.11336	3220.189
0.20707	0.11919	2.11558	3223.373
0.20709	0.11933	2.11752	3226.186
0.20711	0.11943	2.11944	3228.935
0.20713	0.11959	2.12148	3232.036
0.20716	0.11978	2.12396	3235.807
0.20719	0.11997	2.12682	3240.51
0.20723	0.12019	2.12988	3246.448
0.20728	0.1203	2.1332	3253.972
0.20734	0.12061	2.14002	3265.501
0.20742	0.1208	2.14699	3279.607
0.20752	0.12103	2.15258	3292.391
0.20775	0.12121	2.15726	3301.902
0.20804	0.12134	2.16181	3309.792
0.20822	0.12145	2.16458	3314.403
0.20834	0.1215	2.16604	3317.54
0.20844	0.12163	2.16747	3320.626
0.20851	0.12173	2.16936	3324.023
0.20857	0.12192	2.17152	3328.025
0.20863	0.12207	2.17333	3332.341
0.20869	0.12223	2.17509	3337.156
0.20876	0.12242	2.17833	3342.996
0.20882	0.12245	2.18076	3348.471
0.20887	0.1225	2.18327	3353.799
0.20892	0.12252	2.18616	3359.194

12:03:37.701	-12	0.00005	0.00003	0.00308	5.916	0.000571
12:03:38.701	-12	0.00005	0.00001	0.00339	7.001	0.000676
12:03:39.701	-12	0.00006	0.00001	0.00279	7.467	0.000721
12:03:40.701	-12	0.00005	0	0.00218	5.978	0.000577
12:03:41.701	-12	0.00004	0	0.00143	4.894	0.000473
12:03:42.701	-12	0.00003	0.00004	0.00109	3.771	0.000364
12:03:43.701	-12	0.00002	0.00001	0.00128	2.982	0.000288
12:03:44.701	-12	0.00001	0.00007	0.00118	2.749	0.000266
12:03:45.701	-12	0.00001	0.00007	0.00124	3.024	0.000292
12:03:46.701	-12	0.00001	0.00009	0.00153	3.589	0.000347
12:03:47.701	-12	0.00001	0.00012	0.00131	3.646	0.000352
12:03:48.701	-12	0.00001	0.0001	0.00112	3.267	0.000316
12:03:49.701	-12	0.00001	0.00014	0.00137	3.04	0.000294
12:03:50.701	-12	0.00001	0.00009	0.0018	3.156	0.000305
12:03:51.701	-12	0.00001	0.00013	0.00199	3.617	0.00035
12:03:52.701	-12	0.00001	0.00009	0.00193	4.008	0.000387
12:03:53.701	-12	0.00001	0.00009	0.00181	4.38	0.000423
12:03:54.701	-12	0.00001	0.00009	0.00216	4.938	0.000477
12:03:55.701	-12	0.00001	0.00002	0.0028	5.574	0.000538
12:03:56.701	-12	0.00001	0.00007	0.00224	5.353	0.000517
12:03:57.701	-12	0.00001	0.00002	0.00248	5.234	0.000505
12:03:58.701	-12	0.00001	0.00008	0.00248	5.179	0.0005
12:03:59.701	-12	0.00001	0.00004	0.00246	5.668	0.000547
12:04:00.701	-12	0.00002	0.00006	0.00258	6.867	0.000662
12:04:01.701	-12	0.00002	0.00008	0.00263	6.996	0.000675
12:04:02.701	-12	0.00002	0	0.00251	6.452	0.000623
12:04:03.701	-12	0.00001	0.0001	0.00151	5.717	0.000552
12:04:04.701	-12	0.00001	0.00003	0.00172	5.296	0.000511
12:04:05.701	-12	0.00001	0.00007	0.00184	5.082	0.000491
12:04:06.701	-12	0.00001	0.00004	0.0019	4.91	0.000474
12:04:07.701	-12	0.00001	0.00004	0.00206	5.064	0.000489
12:04:08.701	-12	0.00001	0.00009	0.00196	5.756	0.000555
12:04:09.701	-12	0.00001	0.00005	0.00204	6.179	0.000596
12:04:10.701	-12	0.00001	0.0001	0.0017	5.656	0.000546
12:04:11.701	-12	0.00001	0.00002	0.00176	4.755	0.000459
12:04:12.701	-12	0.00001	0.00007	0.00181	3.818	0.000369
12:04:13.701	-12	0.00001	0.00004	0.00185	3.566	0.000344
12:04:14.701	-12	0.00001	0.00005	0.00185	3.475	0.000336
12:04:15.701	-12	0.00001	0.00008	0.00168	3.483	0.000337
12:04:16.701	-12	0.00001	0.00005	0.00165	3.487	0.000337
12:04:17.701	-12	0.00001	0.00011	0.00193	3.832	0.00037
12:04:18.701	-12	0.00001	0.00004	0.00246	4.806	0.000464
12:04:19.701	-12	0.00001	0.00024	0.00397	8.593	0.000829
12:04:20.701	-12	0.00002	0.00015	0.00561	9.075	0.000876
12:04:21.701	-12	0.00005	0.0001	0.00165	6.204	0.000599
12:04:22.701	-12	0.00004	0.00008	0.00168	3.9	0.000377
12:04:23.701	-12	0.00003	0.00004	0.0019	3.396	0.000328

48.7	8.00E-01	-0.900	1.000	0.000	0.783	1.300
48.8	7.00E-01	-0.900	0.900	0.000	0.701	0.500
49.1	7.00E-01	-0.900	0.900	0.000	0.700	0.300
49.3	7.00E-01	-1.000	0.900	0.000	0.701	0.200
49.9	7.00E-01	-1.000	0.900	0.000	0.680	-1.000
49.9	5.00E-01	-1.000	0.700	0.000	0.529	2.800
49.9	4.00E-01	-1.000	0.600	0.000	0.450	1.100
49.8	4.00E-01	-1.000	0.500	0.000	0.371	6.400
49.4	3.00E-01	-1.000	0.400	0.000	0.290	6.300
49.3	2.00E-01	-1.000	0.300	0.000	0.235	7.400
48.9	2.00E-01	-1.000	0.300	0.000	0.234	10.400
48.8	2.00E-01	-1.000	0.300	0.000	0.235	8.900
48.4	2.00E-01	-1.000	0.300	0.000	0.237	12.400
48.3	2.00E-01	-1.100	0.300	0.000	0.237	7.200
47.9	2.00E-01	-1.100	0.300	0.000	0.236	9.800
47.8	2.00E-01	-1.100	0.300	0.000	0.235	6.600
47.6	2.00E-01	-1.100	0.300	0.000	0.235	6.000
47.6	2.00E-01	-1.100	0.300	0.000	0.234	5.600
47.5	2.00E-01	-1.100	0.300	0.000	0.233	1.200
47.6	2.00E-01	-1.100	0.300	0.000	0.233	4.100
48.1	2.00E-01	-1.000	0.300	0.000	0.234	1.100
48.2	2.00E-01	-0.900	0.300	0.000	0.233	4.700
48.6	2.00E-01	-0.800	0.300	0.000	0.233	2.400
48.7	2.00E-01	-0.800	0.300	0.000	0.231	3.000
49	2.00E-01	-0.700	0.300	0.000	0.231	3.800
49.1	2.00E-01	-0.700	0.300	0.000	0.232	0.200
49.6	2.00E-01	-0.700	0.300	0.000	0.233	5.700
49.6	2.00E-01	-0.700	0.200	0.000	0.156	2.000
49.8	2.00E-01	-0.700	0.200	0.000	0.156	4.000
49.8	2.00E-01	-0.700	0.200	0.000	0.156	2.400
49.8	2.00E-01	-0.700	0.200	0.000	0.156	2.700
49.8	2.00E-01	-0.700	0.200	0.000	0.155	5.000
49.9	2.00E-01	-0.700	0.200	0.000	0.154	2.700
50	2.00E-01	-0.700	0.200	0.000	0.155	5.900
50.3	2.00E-01	-0.700	0.200	0.000	0.156	1.500
50.3	2.00E-01	-0.700	0.200	0.000	0.157	5.600
50.3	2.00E-01	-0.700	0.200	0.000	0.157	3.300
50.3	2.00E-01	-0.700	0.200	0.000	0.157	4.400
50.2	2.00E-01	-0.700	0.200	0.000	0.157	6.800
50.1	2.00E-01	-0.700	0.200	0.000	0.157	4.000
49.9	2.00E-01	-0.700	0.200	0.000	0.157	7.900
49.8	2.00E-01	-0.700	0.200	0.000	0.157	2.100
49.6	2.00E-01	-0.700	0.200	0.000	0.180	9.400
49.7	2.00E-01	-0.700	0.300	0.000	0.231	5.700
50.2	8.00E-01	-0.800	1.000	0.000	0.777	5.000
50.3	8.00E-01	-0.700	1.000	0.000	0.786	5.700
50.7	7.00E-01	-0.700	0.900	0.000	0.709	3.300

194	42.99265	1536	47.2	83.2	295.052333	384.716213
194	48.22941	1550	47.82	84.1	318.496875	396.190118
194	51.2037	1561	48.033	81.6	322.258932	405.698923
194	44.50823	1563	48.44	67.4	322.8	408.735227
194	32.94434	1566	48.44	71.8	322.703681	399.193848
194	30.00887	1564	48.238	72.6	317.169388	391.329061
194	24.20461	1302	47.82	70.7	311.177336	383.187621
194	20.40918	1285	47.82	91.5	315.318997	376.778333
194	24.80231	1279	47.2	81.9	320.263366	375.042966
194	27.00209	1273	47.2	72.4	306.877262	372.718421
194	24.56022	1265	47.132	52.5	294.614444	364.898113
194	23.45762	1257	46.58	65.5	291.624194	357.006486
194	24.28707	1252	46.58	62.3	283.360714	352.951116
194	26.26063	1243	46.071	72.3	285.331967	351.502305
194	28.47882	1244	45.95	76.4	297.54433	352.576495
194	29.88311	1242	45.95	75.6	298.615748	356.673044
194	31.27605	1238	45.95	79.9	304.039721	361.757982
194	37.15021	1243	46.425	84.8	314.44723	371.301382
194	36.41038	1252	46.58	77.2	327.520952	380.457391
194	35.80606	1257	46.58	79.8	322.134615	384.851466
	35.39169	1265	47.032	81.8	325.85188	390.152423
	35.25062	1266	47.2	84.5	329.52842	395.867167
	40.40235	1273	47.2	88.9	333.462069	406.211009
	43.8086	1279	47.65	85	339.697121	416.060802
	43.89385	1289	47.82	84.7	344.578102	420.518515
195.8	40.16596	1294	47.82	80.9	350.383117	421.525319
195.8	38.60279	1297	48.286	80	340.160113	419.5
195.8	35.59872	1299	48.44	79.7	329.946607	418.630864
195.8	34.03208	1299	48.44	80.6	330.883051	416.46068
	33.47133	1301	48.44	84.2	333.498464	415.4
	34.53889	1308	48.44	81.1	333.8625	416.786386
	39.40004	1308	48.44	90.1	337.082298	423.801951
	40.57024	1310	48.44	81.5	342.044898	428.259184
	34.08711	1311	48.44	79.2	341.460491	424.291658
197.6	30.19292	1312	48.44	78.7	340.761708	417.752941
197.2	26.92596	1312	48.44	72.3	339.01387	411.449383
196.8	24.76275	1308	48.44	65.5	336.595872	403.419355
196.5	25.71857	1304	48.44	68.3	333.25523	395.874716
196.1	27.0954	1301	48.44	74.8	322.203757	391.566847
195.8	26.25258	1298	48.392	69.9	323.442857	387.856349
195.8	28.45324	1293	47.82	79.1	318.087799	387.521595
195.8	37.44827	1293	47.82	95.2	312.670136	397.759358
195.8	56.36506	1306	48.44	93	309.729688	422.422477
195.8	53.62401	1320	49.06	80.7	315.992308	440.311923
195.8	39.50308	1324	49.06	72.5	326.946174	436.15625
195.8	26.66636	1321	49.06	79	357.703846	428.196951
195.8	26.2101	1315	49.06	80	350.091875	421.678177

0.20897	0.12255	2.18924	3365.11
0.20902	0.12256	2.19263	3372.111
0.20908	0.12257	2.19542	3379.578
0.20913	0.12257	2.1976	3385.556
0.20917	0.12257	2.19903	3390.45
0.2092	0.12261	2.20012	3394.221
0.20922	0.12262	2.2014	3397.203
0.20923	0.12269	2.20258	3399.952
0.20924	0.12276	2.20382	3402.976
0.20925	0.12285	2.20535	3406.565
0.20926	0.12297	2.20666	3410.211
0.20927	0.12307	2.20778	3413.478
0.20928	0.12321	2.20915	3416.518
0.20929	0.1233	2.21095	3419.674
0.2093	0.12343	2.21294	3423.291
0.20931	0.12352	2.21487	3427.299
0.20932	0.12361	2.21668	3431.679
0.20933	0.1237	2.21884	3436.617
0.20934	0.12372	2.22164	3442.191
0.20935	0.12379	2.22388	3447.544
0.20936	0.12381	2.22636	3452.778
0.20937	0.12389	2.22884	3457.957
0.20938	0.12393	2.2313	3463.625
0.2094	0.12399	2.23388	3470.492
0.20942	0.12407	2.23651	3477.488
0.20944	0.12407	2.23902	3483.94
0.20945	0.12417	2.24053	3489.657
0.20946	0.1242	2.24225	3494.953
0.20947	0.12427	2.24409	3500.035
0.20948	0.12431	2.24599	3504.945
0.20949	0.12435	2.24805	3510.009
0.2095	0.12444	2.25001	3515.765
0.20951	0.12449	2.25205	3521.944
0.20952	0.12459	2.25375	3527.6
0.20953	0.12461	2.25551	3532.355
0.20954	0.12468	2.25732	3536.173
0.20955	0.12472	2.25917	3539.739
0.20956	0.12477	2.26102	3543.214
0.20957	0.12485	2.2627	3546.697
0.20958	0.1249	2.26435	3550.184
0.20959	0.12501	2.26628	3554.016
0.2096	0.12505	2.26874	3558.822
0.20961	0.12529	2.27271	3567.415
0.20963	0.12544	2.27832	3576.49
0.20968	0.12554	2.27997	3582.694
0.20972	0.12562	2.28165	3586.594
0.20975	0.12566	2.28355	3589.99

12:04:24.701	-12	0.00003	0.00008	0.00167	3.423	0.000331
12:04:25.701	-12	0.00003	0.00004	0.00127	3.394	0.000328
12:04:26.701	-12	0.00002	0.00009	0.00099	3.008	0.000291
12:04:27.701	-12	0.00003	0.00005	0.00123	3.145	0.000304
12:04:28.701	-12	0.00003	0.0001	0.00129	3.229	0.000312
12:04:29.701	-12	0.00003	0.00013	0.0013	3.191	0.000308
12:04:30.701	-12	0.00003	0.00009	0.00144	2.936	0.000284
12:04:31.701	-12	0.00003	0.00017	0.00162	2.69	0.00026
12:04:32.701	-12	0.00002	0.00015	0.00125	2.54	0.000246
12:04:33.701	-12	0.00002	0.00017	0.0014	2.454	0.000237
12:04:34.701	-12	0.00002	0.0001	0.00142	2.412	0.000233
12:04:35.701	-12	0.00002	0.00012	0.00143	2.448	0.000237
12:04:36.701	-12	0.00003	0.00012	0.0016	2.835	0.000274
12:04:37.701	-12	0.00004	0.00018	0.00257	4.787	0.000463
12:04:38.701	-12	0.00005	0.00023	0.00422	6.997	0.000676
12:04:39.701	-12	0.00005	0.00011	0.00425	8.286	0.0008
12:04:40.701	-12	0.00005	0.00013	0.00309	7.942	0.000766
12:04:41.701	-12	0.00005	0.00005	0.00275	7.281	0.000703
12:04:42.701	-12	0.00004	0.00009	0.00275	6.294	0.000608
12:04:43.701	-12	0.00004	0.00005	0.00257	5.068	0.00049
12:04:44.701	-12	0.00003	0.00003	0.00216	4.578	0.000442
12:04:45.701	-12	0.00003	0.00007	0.0023	4.476	0.000432
12:04:46.701	-12	0.00003	0.00006	0.00202	4.446	0.000429
12:04:47.701	-12	0.00003	0.00008	0.00163	4.138	0.0004
12:04:48.701	-12	0.00002	0.00004	0.00131	3.622	0.00035
12:04:49.701	-12	0.00002	0.00005	0.00117	3.021	0.000292
12:04:50.701	-12	0.00002	0.00006	0.00129	2.674	0.000258
12:04:51.701	-12	0.00002	0.00005	0.001	2.403	0.000232
12:04:52.701	-12	0.00002	0.00006	0.00083	2.149	0.000208
12:04:53.701	-12	0.00002	0.00005	0.00105	1.955	0.000189
12:04:54.701	-12	0.00002	0.00013	0.0017	2.386	0.000231
12:04:55.701	-12	0.00003	0.00009	0.00254	3.883	0.000375
12:04:56.701	-12	0.00003	0.00011	0.00392	5.23	0.000505
12:04:57.701	-12	0.00003	0.00005	0.00216	5.244	0.000506
12:04:58.701	-12	0.00002	0.00002	0.00148	3.976	0.000384
12:04:59.701	-12	0.00002	0.00006	0.00113	2.758	0.000266
12:05:00.701	-12	0.00002	0.00004	0.00105	2.433	0.000235
12:05:01.701	-12	0.00002	0.00009	0.00104	2.26	0.000219
12:05:02.701	-12	0.00002	0.00008	0.0015	2.09	0.000202
12:05:03.701	-12	0.00002	0.0001	0.00182	1.98	0.000192
12:05:04.701	-12	0.00002	0.0001	0.00192	2.03	0.000197
12:05:05.701	-12	0.00002	0.00012	0.00214	2.55	0.000247
12:05:06.701	-12	0.00003	0.00016	0.00253	3.535	0.000342
12:05:07.701	-12	0.00003	0.0001	0.00261	4.311	0.000417
12:05:08.701	-12	0.00003	0.00011	0.00191	4.397	0.000425
12:05:09.701	-12	0.00002	0.00004	0.00153	3.425	0.000331
12:05:10.701	-12	0.00002	0.00005	0.00117	3.063	0.000296

50.6	7.00E-01	-0.600	0.900	0.000	0.707	6.900
50.3	7.00E-01	-0.600	0.900	0.000	0.704	3.100
50.2	7.00E-01	-0.600	0.900	0.000	0.705	8.500
49.8	7.00E-01	-0.500	0.900	0.000	0.706	4.400
49.7	7.00E-01	-0.500	0.900	0.000	0.706	8.300
49.5	7.00E-01	-0.500	0.900	0.000	0.707	11.000
49.4	7.00E-01	-0.500	0.900	0.000	0.712	8.000
49	7.00E-01	-0.500	0.900	0.000	0.690	15.300
48.9	6.00E-01	-0.500	0.800	0.000	0.637	14.100
48.6	6.00E-01	-0.500	0.800	0.000	0.638	15.900
48.5	6.00E-01	-0.600	0.800	0.000	0.638	9.500
48.1	6.00E-01	-0.600	0.800	0.000	0.638	10.900
48	6.00E-01	-0.600	0.800	0.000	0.637	10.300
47.5	6.00E-01	-0.600	0.800	0.000	0.631	9.700
47.5	6.00E-01	-0.600	0.800	0.000	0.623	10.200
47.4	6.00E-01	-0.500	0.800	0.000	0.618	4.600
47.7	6.00E-01	-0.500	0.800	0.000	0.619	5.600
48.7	6.00E-01	-0.500	0.800	0.000	0.621	2.300
49	6.00E-01	-0.400	0.800	0.000	0.622	4.600
49.8	6.00E-01	-0.400	0.800	0.000	0.627	3.100
49.9	6.00E-01	-0.400	0.800	0.000	0.628	2.100
50.2	6.00E-01	-0.400	0.800	0.000	0.627	4.700
50.2	6.00E-01	-0.400	0.800	0.000	0.624	3.800
50.2	6.00E-01	-0.400	0.800	0.000	0.623	5.900
50.1	6.00E-01	-0.400	0.800	0.000	0.623	3.700
49.9	6.00E-01	-0.400	0.800	0.000	0.625	4.700
49.7	6.00E-01	-0.500	0.800	0.000	0.630	6.300
49	6.00E-01	-0.500	0.800	0.000	0.635	5.200
48.8	6.00E-01	-0.500	0.700	0.000	0.561	6.400
48	6.00E-01	-0.600	0.700	0.000	0.564	5.100
47.8	6.00E-01	-0.600	0.700	0.000	0.563	10.400
47.1	6.00E-01	-0.600	0.700	0.000	0.554	6.000
47.1	5.00E-01	-0.600	0.700	0.000	0.547	6.500
47.1	5.00E-01	-0.600	0.700	0.000	0.544	3.200
47.2	5.00E-01	-0.600	0.700	0.000	0.546	1.700
47.5	6.00E-01	-0.600	0.700	0.000	0.550	6.000
47.5	6.00E-01	-0.600	0.700	0.000	0.555	3.900
47.3	6.00E-01	-0.700	0.700	0.000	0.558	9.300
47.2	6.00E-01	-0.700	0.700	0.000	0.561	8.600
46.8	6.00E-01	-0.700	0.700	0.000	0.563	10.600
46.6	6.00E-01	-0.700	0.700	0.000	0.563	10.200
46	6.00E-01	-0.700	0.700	0.000	0.561	10.000
45.9	6.00E-01	-0.700	0.700	0.000	0.555	11.500
45.6	5.00E-01	-0.700	0.700	0.000	0.548	7.000
45.6	5.00E-01	-0.700	0.700	0.000	0.546	7.800
45.5	5.00E-01	-0.700	0.700	0.000	0.548	3.400
45.5	6.00E-01	-0.700	0.700	0.000	0.550	4.700

195.8	24.78777	1309	48.44	71.8	333.172297	414.314675
195.8	25.16961	1303	48.44	64.6	334.634566	405.511392
195.8	21.79233	1298	48.412	70.1	328.194693	397.242937
195.8	23.95305	1292	47.82	62.6	316.424402	389.988
195.8	24.56968	1286	47.82	51.9	314.011976	380.987805
195.8	24.85472	1282	47.517	50.7	313.420617	372.299598
195.8	24.40702	1277	47.2	45.9	313.14375	364.385714
195.8	23.47984	1269	47.2	46.3	315.0925	357.479808
195.8	23.1663	1266	47.2	46.9	312.555367	351.393326
195.8	22.69502	1256	46.58	46.7	316.109611	347.016552
195.8	22.60535	1249	46.111	56.1	315.113048	344.129683
195.6	22.71807	1239	45.95	69.1	315.046362	343.343965
195.3	24.563	1235	45.95	73.3	315.931667	345.353041
194.9	33.47688	1234	45.95	82.2	316.363333	351.744855
194.5	55.17521	1244	45.95	85.1	323.148878	378.717155
194.2	54.24912	1260	46.58	82.2	332.29833	399.733566
194.2	48.63313	1277	47.2	85.1	336.645084	414.387325
194.6	48.12751	1293	47.82	86	339.351667	424.589208
194.9	40.46533	1302	48.44	78.5	339.279474	425.795346
195.3	33.82537	1307	48.44	78.5	346.696923	416.893254
195.7	32.70837	1307	48.44	82.2	350.386639	414.474525
195.8	31.92509	1311	48.44	82.3	350.640437	414.0496
195.8	31.78777	1307	48.44	80.6	351.76125	415.4
195.8	28.13778	1302	48.44	78.6	351.801143	414.63814
195.8	24.63704	1293	48.117	59.4	365.136848	407.241
195.8	19.94171	1281	47.82	47.9	355.008197	393.461841
195.8	20.97854	1269	47.2	35.2	345.460116	378.983278
195.8	21.27662	1253	46.58	33.1	341.281538	364.616
195.8	21.5207	1237	45.95	39.1	336.403347	352.602294
195.8	21.63014	1228	45.332	58.6	331.297143	346.478468
195.7	27.93247	1227	45.33	85.1	330.715254	350.617647
195.3	35.24473	1228	45.33	82.9	333.309615	363.014815
194.9	37.84195	1233	45.95	81.3	332.631664	375.738762
194.5	33.27931	1239	45.95	75.3	329.663674	384.841395
194.2	25.87854	1241	45.95	57.8	336.428699	380.968647
194	20.74734	1236	45.95	43.3	340.129003	369.967444
194	20.51953	1232	45.812	37.7	340.853453	358.191522
194	20.57348	1222	45.33	38.2	337.725417	348.292245
194	20.68316	1214	45.11	38.7	334.203733	340.007647
194	20.96713	1204	44.499	46.9	331.247297	334.6603
194	21.22887	1193	44.09	57	330.578125	333.27972
194	24.2895	1187	44.09	77.2	331.127917	336.234434
194	32.69208	1186	44.09	82.9	334.699378	346.646977
194	30.38955	1185	44.09	75.2	341.288725	356.619903
194	30.00748	1184	44.09	71.9	341.430673	361.25022
194	22.8646	1180	44.09	71.8	343.363705	362.073535
194	23.63988	1179	43.47	87.3	342.373365	362.149045

0.20978	0.12574	2.28522	3593.413
0.20981	0.12578	2.28649	3596.807
0.20983	0.12587	2.28748	3599.815
0.20986	0.12592	2.28871	3602.96
0.20989	0.12602	2.29	3606.189
0.20992	0.12615	2.2913	3609.38
0.20995	0.12624	2.29274	3612.316
0.20998	0.12641	2.29436	3615.006
0.21	0.12656	2.29561	3617.546
0.21002	0.12673	2.29701	3620
0.21004	0.12683	2.29843	3622.412
0.21006	0.12695	2.29986	3624.86
0.21009	0.12707	2.30146	3627.695
0.21013	0.12725	2.30403	3632.482
0.21018	0.12748	2.30825	3639.479
0.21023	0.12759	2.3125	3647.765
0.21028	0.12772	2.31559	3655.707
0.21033	0.12777	2.31834	3662.988
0.21037	0.12786	2.32109	3669.282
0.21041	0.12791	2.32366	3674.35
0.21044	0.12794	2.32582	3678.928
0.21047	0.12801	2.32812	3683.404
0.2105	0.12807	2.33014	3687.85
0.21053	0.12815	2.33177	3691.988
0.21055	0.12819	2.33308	3695.61
0.21057	0.12824	2.33425	3698.631
0.21059	0.1283	2.33554	3701.305
0.21061	0.12835	2.33654	3703.708
0.21063	0.12841	2.33737	3705.857
0.21065	0.12846	2.33842	3707.812
0.21067	0.12859	2.34012	3710.198
0.2107	0.12868	2.34266	3714.081
0.21073	0.12879	2.34658	3719.311
0.21076	0.12884	2.34874	3724.555
0.21078	0.12886	2.35022	3728.531
0.2108	0.12892	2.35135	3731.289
0.21082	0.12896	2.3524	3733.722
0.21084	0.12905	2.35344	3735.982
0.21086	0.12913	2.35494	3738.072
0.21088	0.12923	2.35676	3740.052
0.2109	0.12933	2.35868	3742.082
0.21092	0.12945	2.36082	3744.632
0.21095	0.12961	2.36335	3748.167
0.21098	0.12971	2.36596	3752.478
0.21101	0.12982	2.36787	3756.875
0.21103	0.12986	2.3694	3760.3
0.21105	0.12991	2.37057	3763.363

12:05:11.701	-12	0.00001	0.00004	0.00077	1.845	0.000178
12:05:12.701	-12	0.00001	0.00003	0.00088	2.026	0.000196
12:05:13.701	-12	0.00002	0.00009	0.00119	3.528	0.000341
12:05:14.701	-12	0.00003	0.00008	0	2.828	0.000273
12:05:15.701	-12	0.00004	0.00018	0.00431	4.132	0.0004
12:05:16.701	-12	0.00006	0.0001	0.00851	8.599	0.000831
12:05:17.701	-12	0.00007	0.00018	0.00765	11.755	0.001135
12:05:18.701	-12	0.00017	0.00009	0.00562	11.947	0.001153
12:05:19.701	-12	0.00041	0.00011	0.00637	11.964	0.001155
12:05:20.701	-12	0.00059	0.0002	0.00703	12.026	0.001161
12:05:21.701	-12	0.00078	0.00009	0.00671	12.423	0.0012
12:05:22.701	-12	0.0009	0.00017	0.0064	12.642	0.001221
12:05:23.701	-12	0.00072	0.00004	0.00489	8.933	0.000863
12:05:24.701	-12	0.00069	0.00014	0.00489	8.323	0.000804
12:05:25.701	-12	0.0005	0.00008	0.0037	6.376	0.000616
12:05:26.701	-12	0.00036	0.00006	0.00242	5.792	0.00056
12:05:27.701	-12	0.00026	0.00012	0.00398	7.382	0.000713
12:05:28.701	-12	0.00021	0.00005	0.00321	8.66	0.000836
12:05:29.701	-12	0.00019	0.00018	0.00251	8.408	0.000812
12:05:30.701	-12	0.00014	0.00003	0.00231	6.484	0.000626
12:05:31.701	-12	0.00011	0.00008	0.00257	4.965	0.00048
12:05:32.701	-12	0.00008	0.00008	0.0029	4.423	0.000428
12:05:33.701	-12	0.00007	0.00008	0.0028	4.39	0.000424
12:05:34.701	-12	0.00006	0.0001	0.00229	4.377	0.000423
12:05:35.701	-12	0.00005	0.00004	0.00202	4.305	0.000416
12:05:36.701	-12	0.00005	0.00014	0.00237	5.048	0.000488
12:05:37.701	-12	0.00006	0.00008	0.00293	6.866	0.000663
12:05:38.701	-12	0.00004	0.0001	0.00258	5.436	0.000525
12:05:39.701	-12	0.00003	0.00008	0.00091	2.894	0.00028
12:05:40.701	-12	0.00002	0.00008	0.00079	1.849	0.000179
12:05:41.701	-12	0.00005	0.00018	0.00105	3.428	0.000332
12:05:42.701	-12	0.00005	0.00013	0	1.91	0.000185
12:05:43.701	-12	0.00004	0.00021	0.0002	0.934	0.000091
12:05:44.701	-12	0.00004	0.00009	0.00113	0.517	0.00005
12:05:45.701	-12	0.00003	0.00011	0.00091	0.298	0.000029
12:05:46.701	-12	0.00001	0.00004	0.00051	0.11	0.00001
12:05:47.701	-12	0.00001	0.00003	0.00052	0.081	0.000008
12:05:48.701	-12	0.00001	0.00004	0.00058	0.086	0.000008
12:05:49.701	-12	0.00002	0.00003	0.00077	0.114	0.000011
12:05:50.701	-12	0.00001	0.00007	0.00075	0.13	0.000013
12:05:51.701	-12	0.00001	0.00005	0.00085	0.213	0.000021
12:05:52.701	-12	0.00001	0.00007	0.00125	0.349	0.000034
12:05:53.701	-12	0.00001	0.00006	0.00151	0.496	0.000048
12:05:54.701	-12	0.00001	0.00005	0.00146	0.65	0.000063
12:05:55.701	-12	0.00001	0.00006	0.00113	0.832	0.000081
12:05:56.701	-12	0.00001	0.00004	0.00098	0.937	0.000091
12:05:57.701	-12	0.00001	0.00008	0.00087	1.019	0.000099

45.4	6.00E-01	-0.700	0.700	0.000	0.551	5.500
44.9	5.00E-01	-0.700	0.700	0.000	0.549	4.800
44.1	6.00E-01	-0.600	0.700	0.000	0.552	7.100
43.3	6.00E-01	-0.600	0.700	0.000	0.566	5.400
40.9	6.00E-01	-0.600	0.700	0.000	0.564	8.700
41	5.00E-01	-0.600	0.700	0.000	0.549	3.400
41.4	6.00E-01	-0.400	0.700	0.000	0.563	5.100
41.9	1.40E+00	0.900	0.800	0.735	0.642	2.600
43.6	3.30E+00	3.000	1.200	2.363	0.901	2.900
44.2	4.60E+00	4.500	1.400	3.523	1.111	5.300
45.9	6.00E+00	6.100	1.600	4.726	1.243	2.300
46.4	6.50E+00	6.800	1.600	5.295	1.247	4.000
48	7.00E+00	7.300	1.700	5.690	1.331	1.200
48.4	7.10E+00	7.400	1.700	5.800	1.333	4.700
49.5	6.50E+00	6.700	1.600	5.261	1.259	3.500
49.6	5.10E+00	4.900	1.600	3.824	1.260	2.900
49.8	3.10E+00	2.600	1.400	2.001	1.126	4.700
49.8	2.30E+00	1.700	1.300	1.298	1.010	1.700
49.7	2.20E+00	1.600	1.200	1.220	0.934	6.700
49.7	2.00E+00	1.400	1.200	1.070	0.914	1.400
49.8	1.80E+00	1.200	1.100	0.922	0.868	4.400
49.6	1.50E+00	0.800	1.000	0.663	0.791	4.400
49	1.20E+00	0.600	1.000	0.473	0.763	4.600
48.8	1.10E+00	0.500	0.900	0.393	0.708	6.300
48	9.00E-01	0.300	0.900	0.210	0.707	2.400
47.8	9.00E-01	0.200	0.900	0.157	0.707	7.500
47	8.00E-01	0.200	0.900	0.129	0.700	3.400
46.9	8.00E-01	0.100	0.900	0.078	0.700	5.800
46.7	8.00E-01	0.100	0.900	0.079	0.707	7.800
46.4	8.00E-01	0.100	0.900	0.080	0.716	10.300
45.3	8.00E-01	0.100	0.900	0.081	0.726	10.000
44.7	7.00E-01	0.100	0.800	0.057	0.664	6.400
42.7	6.00E-01	0.000	0.700	0.000	0.589	10.800
42	6.00E-01	-0.100	0.700	0.000	0.592	4.600
39.6	6.00E-01	-0.300	0.700	0.000	0.593	7.600
38.5	6.00E-01	-0.600	0.700	0.000	0.594	5.800
35	6.00E-01	-0.700	0.700	0.000	0.593	5.500
32.8	6.00E-01	-0.800	0.700	0.000	0.593	7.000
25.5	6.00E-01	-0.800	0.700	0.000	0.593	4.200
22.4	6.00E-01	-0.800	0.700	0.000	0.594	9.800
13	6.00E-01	-0.800	0.700	0.000	0.592	7.000
10.9	6.00E-01	-0.800	0.700	0.000	0.589	9.700
3.9	6.00E-01	-0.700	0.700	0.000	0.585	7.700
3	6.00E-01	-0.700	0.700	0.000	0.582	6.800
0	6.00E-01	-0.700	0.700	0.000	0.578	7.900
0	6.00E-01	-0.700	0.700	0.000	0.575	6.000
0	6.00E-01	-0.700	0.700	0.000	0.573	11.600

194	12.14126	1162	43.005	14.2	343.31	357.578813
194	10.57138	1124	41.701	0	334.999905	341.15625
194	17.80235	1254	39.82	1	329.149713	323.784237
194	31.70985	1282	39.12	55.8	323.556403	317.457101
194	50.91462	1292	39.739	96.3	325.357292	335.069963
194	65.83902	1321	40.525	90.5	330.243776	373.889082
194	74.82364	1356	41.785	91.2	333.297836	404.949891
194.1	73.9795	1394	42.556	88.2	329.640729	424.391778
194.5	78.45356	1429	43.931	84.8	341.492436	437.6075
194.9	77.83933	1460	44.684	84.4	349.129916	447.501979
195.3	80.52917	1495	46.095	84.2	369.070417	456.453059
195.7	81.36653	1525	46.836	79.5	384.350204	462.437059
196.1	66.01405	1545	47.82	80.4	380.173281	461.064838
196.5	58.08531	1560	48.033	77.1	377.832777	457.044
196.9	44.08211	1563	48.44	77.5	374.184407	447.905984
197.3	41.22752	1557	47.82	80.3	368.75977	438.511196
197.6	50.64271	1560	47.82	92.3	357.526087	442.133405
197.6	57.90151	1565	48.44	75.7	362.864393	451.559921
197.6	56.06495	1564	48.44	78.1	365.74856	455.182687
197.6	45.90167	1559	47.847	64.2	363.529314	448.890052
197.6	36.69378	1546	47.82	74.7	345.108687	436.652
197.6	32.92605	1531	47.2	74.4	320.867143	427.883396
197.6	33.12873	1515	47.2	75.9	330.65947	422.219778
197.6	33.5999	1498	46.108	74.5	328.387143	418.088672
197.6	28.71433	1481	45.458	74.8	328.869578	412.127077
197.6	38.35419	1470	45.33	83.7	329.305243	412.959804
	48.28171	1468	45.33	79.7	336.996258	426.328942
	35.65854	1457	44.76	64.3	337.485208	429.000602
	23.5262	1439	44.142	40.1	335.042797	412.284404
	12.74051	1400	43.47	11.1	333.788798	393.79022
	40.60526	1358	41.634	0.2	328.830689	372.265986
195.6	43.69405	1311	40.431	0	322.482996	339.675545
195.2	43.06608	1269	39.203	0	318.347505	312.918519
194.9	40.447	1210	37.207	0	313.37764	290.891735
194.5	37.36886	1139	35.249	0	308.717798	273.34965
194.1	12.93649	1168	31.57	1.4	305.426701	262.187
194	10.58387	1080	27.138	6.3	300.349738	258.758732
194	9.57237	1004	21.359	12.4	297.143737	256.1715
194	17.05544	823	14.808	22.1	296.088235	255.181931
194	16.89874	834	9.475	21	293.708577	255.595405
194	15.38151	795	4.965	31.3	293.992363	256.022994
194	15.50074	785	2.303	39.8	297.201195	260.362562
194	15.77184	796	1.082	38.8	300.257143	265.241176
194	15.35381	793	0	37.6	296.194363	268.370336
194	15.9279	808	0	36.7	297.244355	271.250761
194	15.16018	778	0	37.1	297.742141	272.707835
194	15.06624	778	0	37.6	305.892565	273.5

0.21106	0.12995	2.37134	3765.208
0.21107	0.12998	2.37222	3767.234
0.21109	0.13007	2.37341	3770.762
0.21112	0.13015	2.37341	3773.59
0.21116	0.13033	2.37772	3777.722
0.21122	0.13043	2.38623	3786.321
0.21129	0.13061	2.39388	3798.076
0.21146	0.1307	2.3995	3810.023
0.21187	0.13081	2.40587	3821.987
0.21246	0.13101	2.4129	3834.013
0.21324	0.1311	2.41961	3846.436
0.21414	0.13127	2.42601	3859.078
0.21486	0.13131	2.4309	3868.011
0.21555	0.13145	2.43579	3876.334
0.21605	0.13153	2.43949	3882.71
0.21641	0.13159	2.44191	3888.502
0.21667	0.13171	2.44589	3895.884
0.21688	0.13176	2.4491	3904.544
0.21707	0.13194	2.45161	3912.952
0.21721	0.13197	2.45392	3919.436
0.21732	0.13205	2.45649	3924.401
0.2174	0.13213	2.45939	3928.824
0.21747	0.13221	2.46219	3933.214
0.21753	0.13231	2.46448	3937.591
0.21758	0.13235	2.4665	3941.896
0.21763	0.13249	2.46887	3946.944
0.21769	0.13257	2.4718	3953.81
0.21773	0.13267	2.47438	3959.246
0.21776	0.13275	2.47529	3962.14
0.21778	0.13283	2.47608	3963.989
0.21783	0.13301	2.47713	3967.417
0.21788	0.13314	2.47713	3969.327
0.21792	0.13335	2.47733	3970.261
0.21796	0.13344	2.47846	3970.778
0.21799	0.13355	2.47937	3971.076
0.218	0.13359	2.47988	3971.186
0.21801	0.13362	2.4804	3971.267
0.21802	0.13366	2.48098	3971.353
0.21804	0.13369	2.48175	3971.467
0.21805	0.13376	2.4825	3971.597
0.21806	0.13381	2.48335	3971.81
0.21807	0.13388	2.4846	3972.159
0.21808	0.13394	2.48611	3972.655
0.21809	0.13399	2.48757	3973.305
0.2181	0.13405	2.4887	3974.137
0.21811	0.13409	2.48968	3975.074
0.21812	0.13417	2.49055	3976.093

12:05:58.701	-12	0.00001	0.00005	0.00086	1.062	0.000103
12:05:59.701	-12	0.00001	0.00007	0.00107	1.065	0.000103
12:06:00.701	-12	0.00001	0.00005	0.00124	1.057	0.000102
12:06:01.701	-12	0.00001	0.00003	0.00113	1.049	0.000102
12:06:02.701	-12	0.00001	0.00002	0.00113	1.057	0.000102
12:06:03.701	-12	0.00001	0.00001	0.00114	1.063	0.000103
12:06:04.701	-12	0.00001	0.00003	0.00114	1.076	0.000104
12:06:05.701	-12	0.00001	0	0.00114	1.105	0.000107
12:06:06.701	-12	0.00001	0.00003	0.00108	1.111	0.000108
12:06:07.701	-12	0.00001	0.00002	0.00102	1.125	0.000109
12:06:08.701	-12	0.00001	0.00005	0.00116	1.143	0.000111
12:06:09.701	-12	0.00002	0.00006	0.00137	1.37	0.000133
12:06:10.701	-12	0.00005	0.00013	0.00608	4.886	0.000473
12:06:11.701	-12	0.00009	0.00044	0.0089	12.25	0.001185
12:06:12.701	-12	0.00014	0.0002	0.00674	16.149	0.001561
12:06:13.701	-12	0.00082	0.00042	0.00962	18.991	0.001835
12:06:14.701	-12	0.00272	0.00045	0.01289	23.329	0.002255
12:06:15.701	-12	0.0041	0.00045	0.01033	20.931	0.002023
12:06:16.701	-12	0.00448	0.00042	0.00854	18.245	0.001763
12:06:17.701	-12	0.00448	0.00028	0.00707	18.816	0.001817
12:06:18.701	-12	0.00474	0.0006	0.00639	20.386	0.001969
12:06:19.701	-12	0.00459	0.00034	0.00658	19.833	0.001915
12:06:20.701	-12	0.00388	0.00046	0.00674	17.013	0.001644
12:06:21.701	-12	0.00283	0.00022	0.00635	14.112	0.001363
12:06:22.701	-12	0.00231	0.00023	0.00591	14.401	0.001391
12:06:23.701	-12	0.00179	0.00022	0.00548	14.473	0.001398
12:06:24.701	-12	0.00158	0.00012	0.00557	15.775	0.001523
12:06:25.701	-12	0.00103	0.00019	0.00413	11.297	0.001091
12:06:26.701	-12	0.00066	0.00003	0.00432	7.76	0.00075
12:06:27.701	-12	0.00038	0.00009	0.00339	5.555	0.000537
12:06:28.701	-12	0.00024	0.00002	0.00291	5.308	0.000513
12:06:29.701	-12	0.00023	0.00008	0.00422	7.901	0.000763
12:06:30.701	-12	0.00023	0.00014	0.00477	11.812	0.001139
12:06:31.701	-12	0.00016	0.00006	0.00135	7.797	0.000753
12:06:32.701	-12	0.00012	0.00012	0.00301	6.626	0.00064
12:06:33.701	-12	0.00007	0.00004	0.00231	4.93	0.000476
12:06:34.701	-12	0.00005	0.00007	0.00166	3.401	0.000329
12:06:35.701	-12	0.00004	0.00006	0.00128	2.734	0.000264
12:06:36.701	-12	0.00003	0.00009	0.00107	2.546	0.000246
12:06:37.701	-12	0.00003	0.00014	0.00129	2.539	0.000246
12:06:38.701	-12	0.00003	0.00012	0.00207	3.069	0.000297
12:06:39.701	-12	0.00003	0.00018	0.00236	3.374	0.000326
12:06:40.701	-12	0.00003	0.00013	0.00267	3.895	0.000377
12:06:41.701	-12	0.00003	0.00016	0.00276	4.325	0.000418
12:06:42.701	-12	0.00003	0.00013	0.00275	5.06	0.000489
12:06:43.701	-12	0.00003	0.00016	0.00272	6.545	0.000632
12:06:44.701	-12	0.00004	0.00017	0.00306	8.001	0.000772

0	6.00E-01	-0.600	0.700	0.000	0.572	6.400
0	6.00E-01	-0.600	0.700	0.000	0.572	9.600
0	6.00E-01	-0.500	0.700	0.000	0.572	6.300
0	6.00E-01	-0.500	0.700	0.000	0.572	4.000
0	6.00E-01	-0.500	0.700	0.000	0.572	2.900
0	6.00E-01	-0.600	0.700	0.000	0.572	1.300
0	6.00E-01	-0.600	0.700	0.000	0.572	4.600
0	6.00E-01	-0.600	0.700	0.000	0.571	0.300
0	6.00E-01	-0.600	0.700	0.000	0.571	4.500
0	6.00E-01	-0.600	0.700	0.000	0.571	2.300
0	6.00E-01	-0.600	0.700	0.000	0.571	6.500
0	6.00E-01	-0.600	0.700	0.000	0.571	7.000
0.4	6.00E-01	-0.600	0.700	0.000	0.566	5.100
1.5	6.00E-01	-0.500	0.700	0.000	0.555	8.800
3.9	7.00E-01	0.100	0.700	0.099	0.554	3.100
11.7	3.50E+00	3.600	0.800	2.821	0.653	5.900
14.3	9.50E+00	10.900	1.200	8.578	0.942	5.200
22.2	1.61E+01	18.400	2.000	14.464	1.607	5.800
24.6	2.07E+01	23.400	3.000	18.376	2.346	6.400
32.3	2.13E+01	24.000	3.300	18.723	2.601	4.500
34	2.08E+01	23.200	3.400	18.159	2.679	8.800
39.6	2.02E+01	22.200	3.500	17.413	2.741	5.000
41.1	1.94E+01	21.300	3.500	16.719	2.721	7.600
45.9	1.72E+01	18.500	3.400	14.503	2.667	4.400
46.9	1.40E+01	14.500	3.400	11.315	2.638	4.700
50.4	1.10E+01	10.900	3.200	8.519	2.507	4.400
51.3	9.00E+00	8.700	2.800	6.806	2.215	2.300
54.3	7.70E+00	7.300	2.500	5.768	1.963	4.800
55	6.90E+00	6.400	2.300	5.056	1.843	1.100
57.3	5.60E+00	5.100	2.000	3.997	1.578	4.600
57.5	3.80E+00	3.200	1.700	2.521	1.308	1.300
58	2.70E+00	1.900	1.600	1.499	1.217	3.100
58	2.00E+00	1.200	1.400	0.945	1.050	4.000
58.2	1.80E+00	1.000	1.300	0.759	1.017	2.100
58.3	1.50E+00	0.800	1.200	0.605	0.942	4.900
58.7	1.20E+00	0.500	1.100	0.369	0.864	2.400
58.7	1.10E+00	0.300	1.100	0.236	0.867	5.400
58.8	1.00E+00	0.200	1.100	0.159	0.873	5.100
58.6	9.00E-01	0.100	1.000	0.080	0.798	8.300
58	8.00E-01	0.000	1.000	0.000	0.779	11.300
57.8	7.00E-01	0.000	0.900	0.000	0.719	8.800
57.3	6.00E-01	0.000	0.800	0.000	0.636	12.700
57.1	6.00E-01	0.000	0.800	0.000	0.634	8.300
56.5	6.00E-01	-0.200	0.800	0.000	0.607	9.600
56.4	5.00E-01	-0.400	0.600	0.000	0.470	7.200
56.2	5.00E-01	-0.500	0.600	0.000	0.467	7.600
56.2	5.00E-01	-0.600	0.600	0.000	0.487	7.000

194	15.50387	781	0	37.3	304.173641	273.87106
194	15.36259	777	0	37.3	303.255118	274.508502
194	15.33256	777	0	37.3	305.094977	274.461238
194	15.20875	775	0	39.3	309.370046	274.2
194	15.29129	779	0	39.9	315.608671	274.2
194	15.26464	780	0	40.6	314.790113	274.2
194	15.40389	779	0	40.1	319.963591	274.2
194	15.52	779	0	40.2	316.772709	274.2
	15.60489	778	0	40.2	318.333232	273.542445
	15.36046	776	0	40.5	319.3	272.855588
	15.43942	783	0	40.5	320.038144	272.156056
	18.95597	886	0.466	45.8	317.968201	272.1
	42.91342	1540	3.025	64.1	320.35501	282.442801
192.2	93.94084	2177	8.884	74.6	325.603992	329.365598
192.2	118.09944	2348	13.783	73.7	331.628631	367
192.2	146.14049	2429	18.499	86.5	341.535972	404.642857
192.2	175.74097	2716	24.179	87.5	354.700256	442.282609
192.2	172.85859	2757	29.545	79	378.209231	472.869447
	148.44749	2492	32.856	86.9	380.825	482.056637
	132.82819	2082	36.511	91.5	381.012424	492.913725
	141.39638	2268	40.052	88.7	379.666667	501.150459
	142.8189	2444	43.189	86.3	384.95	503.538751
	132.12135	2366	45.636	81.8	382.22085	502.916304
192.7	106.19776	2216	47.695	72.4	394.50998	495.881373
193.5	105.56901	1975	49.955	79.3	404.512098	491.837322
194.3	103.04216	2035	51.634	88	406.446436	495.444875
195	111.0846	2107	53.241	83.5	394.759259	497.885495
195.8	96.81282	2160	55.072	76.3	399.324575	493.877527
196.2	55.71035	1835	56.296	81.7	398.110707	483.2742
196.5	47.64013	1553	56.29	71	394.400555	473.229187
196.9	37.3745	1509	55.89	85.5	391.993651	466.635996
197.3	47.39767	1523	56.277	98.2	391.330385	471.915213
197.6	72.08581	1526	56.51	81.8	374.02572	484.850437
197.6	56.67912	1530	56.51	84.7	380.03617	481.624748
197.6	44.37792	1538	57.13	74.5	377.498864	469.665
197.6	32.69764	1529	57.13	72	374.61222	457.03168
197.6	25.22345	1527	56.592	54.9	371.893679	440.018798
197.6	22.91257	1529	56.494	32.1	359.436248	420.443871
197.6	24.54838	1505	55.89	50.5	343.779118	403.145798
197.6	25.87987	1496	55.684	72.2	341.880288	395.543965
197.6	30.80022	1485	55.27	61.2	339.91411	393.05051
197.6	27.51207	1477	54.65	52.3	342.357542	383.993971
197.5	34.76969	1468	54.65	81.6	342.810811	385.406207
197.1	34.18648	1462	54.475	79	341.097273	391.991522
196.8	37.55085	1465	54.03	83.1	337.181415	397.478195
196.4	44.29002	1460	54.03	88.5	338.732635	413.93913
196	49.59229	1465	54.499	89	346.807739	432.023742

0.21813	0.13422	2.49141	3977.155
0.21814	0.13429	2.49248	3978.22
0.21815	0.13434	2.49372	3979.277
0.21816	0.13437	2.49485	3980.326
0.21817	0.13439	2.49598	3981.383
0.21818	0.1344	2.49712	3982.446
0.21819	0.13443	2.49826	3983.522
0.2182	0.13443	2.4994	3984.627
0.21821	0.13446	2.50048	3985.738
0.21822	0.13448	2.5015	3986.863
0.21823	0.13453	2.50266	3988.006
0.21825	0.13459	2.50403	3989.376
0.2183	0.13472	2.51011	3994.262
0.21839	0.13516	2.51901	4006.512
0.21853	0.13536	2.52575	4022.661
0.21935	0.13578	2.53537	4041.652
0.22207	0.13623	2.54826	4064.981
0.22617	0.13668	2.55859	4085.912
0.23065	0.1371	2.56713	4104.157
0.23513	0.13738	2.5742	4122.973
0.23987	0.13798	2.58059	4143.359
0.24446	0.13832	2.58717	4163.192
0.24834	0.13878	2.59391	4180.205
0.25117	0.139	2.60026	4194.317
0.25348	0.13923	2.60617	4208.718
0.25527	0.13945	2.61165	4223.191
0.25685	0.13957	2.61722	4238.966
0.25788	0.13976	2.62135	4250.263
0.25854	0.13979	2.62567	4258.023
0.25892	0.13988	2.62906	4263.578
0.25916	0.1399	2.63197	4268.886
0.25939	0.13998	2.63619	4276.787
0.25962	0.14012	2.64096	4288.599
0.25978	0.14018	2.64231	4296.396
0.2599	0.1403	2.64532	4303.022
0.25997	0.14034	2.64763	4307.952
0.26002	0.14041	2.64929	4311.353
0.26006	0.14047	2.65057	4314.087
0.26009	0.14056	2.65164	4316.633
0.26012	0.1407	2.65293	4319.172
0.26015	0.14082	2.655	4322.241
0.26018	0.141	2.65736	4325.615
0.26021	0.14113	2.66003	4329.51
0.26024	0.14129	2.66279	4333.835
0.26027	0.14142	2.66554	4338.895
0.2603	0.14158	2.66826	4345.44
0.26034	0.14175	2.67132	4353.441

12:06:45.701	-12	0.00004	0.0001	0.00208	8.562	0.000826
12:06:46.701	-12	0.00005	0.00015	0.0022	8.637	0.000833
12:06:47.701	-12	0.00005	0.00013	0.00267	8.886	0.000857
12:06:48.701	-12	0.00004	0.00017	0.00274	8.23	0.000794
12:06:49.701	-12	0.00003	0.00005	0.00202	5.652	0.000546
12:06:50.701	-12	0.00002	0.00004	0.00097	2.393	0.000231
12:06:51.701	-12	0.00001	0.00004	0.00051	2.172	0.00021
12:06:52.701	-12	0.00001	0.00006	0.00055	1.667	0.000161
12:06:53.701	-12	0.00001	0.00009	0.00117	1.21	0.000117
12:06:54.701	-12	0.00001	0.00006	0.0019	1.164	0.000113
12:06:55.701	-12	0.00002	0.0001	0.00225	1.723	0.000167
12:06:56.701	-12	0.00002	0.00015	0.00276	2.369	0.000229
12:06:57.701	-12	0.00002	0.00024	0.00213	2.877	0.000278
12:06:58.701	-12	0.00002	0.00017	0.00193	3.239	0.000313
12:06:59.701	-12	0.00002	0.00014	0.00173	3.338	0.000323
12:07:00.701	-12	0.00002	0.00015	0.00152	3.139	0.000304
12:07:01.701	-12	0.00002	0.00008	0.00148	2.902	0.000281
12:07:02.701	-12	0.00002	0.00013	0.00167	2.868	0.000277
12:07:03.701	-12	0.00002	0.00008	0.00174	3.073	0.000297
12:07:04.701	-12	0.00002	0.00012	0.0025	3.444	0.000333
12:07:05.701	-12	0.00002	0.00009	0.00258	3.841	0.000371
12:07:06.701	-12	0.00002	0.00008	0.00205	4.217	0.000407
12:07:07.701	-12	0.00002	0.00011	0.00172	4.521	0.000437
12:07:08.701	-12	0.00002	0.00005	0.00174	4.716	0.000455
12:07:09.701	-12	0.00002	0.00006	0.0022	4.747	0.000458
12:07:10.701	-12	0.00002	0.00004	0.00217	4.844	0.000468
12:07:11.701	-12	0.00002	0.00006	0.00198	4.409	0.000426
12:07:12.701	-12	0.00002	0.00004	0.00125	3.13	0.000302
12:07:13.701	-12	0.00003	0.00008	0.00109	3.628	0.000351
12:07:14.701	-12	0.00002	0.00014	0.00002	2.202	0.000213
12:07:15.701	-12	0.00001	0.00006	0.00087	1.019	0.000099
12:07:16.701	-12	0.00001	0.00012	0.00138	0.455	0.000044
12:07:17.701	-12	0	0.00006	0.00179	0.303	0.00003
12:07:18.701	-12	0.00001	0.00009	0.00268	0.341	0.000033
12:07:19.701	-12	0.00001	0.00008	0.00283	0.278	0.000026
12:07:20.701	-12	0	0.00004	0.00116	0.107	0.000012
12:07:21.701	-12	0	0.00004	0.00085	0.075	0.000009
12:07:22.701	-12	0	0.00001	0.00075	0.072	0.000008
12:07:23.701	-12	0	0.00003	0.00071	0.076	0.000007
12:07:24.701	-12	0	0.00002	0.00069	0.076	0.000007
12:07:25.701	-12	0	0.00004	0.00066	0.074	0.000007
12:07:26.701	-12	0	0.00003	0.00073	0.083	0.000009
12:07:27.701	-12	0.00001	0.00005	0.00153	0.199	0.000019
12:07:28.701	-12	0.00001	0.0001	0.0045	1.082	0.000105
12:07:29.701	-12	0.00002	0.00008	0.00792	4.214	0.000409
12:07:30.701	-12	0.00002	0.00015	0.00516	5.296	0.000512
12:07:31.701	-12	0.00003	0.00006	0.00236	4.218	0.000408

56	5.00E-01	-0.600	0.700	0.000	0.540	3.800
56.1	5.00E-01	-0.600	0.700	0.000	0.541	5.700
56.4	5.00E-01	-0.600	0.700	0.000	0.541	4.900
56.5	5.00E-01	-0.600	0.700	0.000	0.541	6.800
57	5.00E-01	-0.600	0.700	0.000	0.545	2.700
57	6.00E-01	-0.600	0.700	0.000	0.550	4.600
56.8	5.00E-01	-0.600	0.600	0.000	0.456	4.400
56.4	4.00E-01	-0.600	0.500	0.000	0.408	5.700
55.2	4.00E-01	-0.700	0.500	0.000	0.412	8.900
54.9	4.00E-01	-0.800	0.500	0.000	0.413	5.300
54	4.00E-01	-0.800	0.500	0.000	0.408	9.300
53.8	4.00E-01	-0.700	0.500	0.000	0.403	12.600
53.3	5.00E-01	-0.600	0.600	0.000	0.479	18.600
53.2	5.00E-01	-0.600	0.600	0.000	0.478	12.700
52.7	5.00E-01	-0.600	0.600	0.000	0.477	9.900
52.6	5.00E-01	-0.600	0.600	0.000	0.478	11.100
52.4	5.00E-01	-0.600	0.600	0.000	0.478	6.300
52.3	5.00E-01	-0.600	0.600	0.000	0.479	10.700
52	5.00E-01	-0.600	0.600	0.000	0.478	6.300
51.9	5.00E-01	-0.600	0.600	0.000	0.476	8.800
51.7	5.00E-01	-0.600	0.600	0.000	0.473	6.400
51.7	5.00E-01	-0.600	0.600	0.000	0.471	5.700
51.6	5.00E-01	-0.600	0.600	0.000	0.469	7.200
51.6	5.00E-01	-0.600	0.600	0.000	0.468	3.400
51.6	5.00E-01	-0.600	0.600	0.000	0.468	4.000
51.6	5.00E-01	-0.600	0.600	0.000	0.467	2.700
51.6	5.00E-01	-0.600	0.600	0.000	0.467	4.400
51.5	5.00E-01	-0.600	0.600	0.000	0.467	3.500
51	5.00E-01	-0.700	0.600	0.000	0.456	4.600
50.3	4.00E-01	-0.700	0.500	0.000	0.385	7.700
47.9	2.00E-01	-0.800	0.300	0.000	0.225	3.400
47.9	1.00E-01	-0.800	0.200	0.000	0.142	7.500
47.1	1.00E-01	-0.800	0.100	0.000	0.085	3.700
43.5	1.00E-01	-0.800	0.100	0.000	0.085	5.100
40.5	1.00E-01	-0.800	0.100	0.000	0.085	4.400
39.4	1.00E-01	-0.900	0.100	0.000	0.085	4.900
35.9	1.00E-01	-0.900	0.100	0.000	0.085	6.500
34.7	1.00E-01	-0.900	0.100	0.000	0.085	2.300
30.7	1.00E-01	-0.900	0.100	0.000	0.111	6.500
29.8	2.00E-01	-0.800	0.200	0.000	0.170	3.600
27	2.00E-01	-0.800	0.200	0.000	0.170	7.600
26.6	2.00E-01	-0.800	0.200	0.000	0.170	5.600
25.4	2.00E-01	-0.900	0.200	0.000	0.170	4.600
25.4	2.00E-01	-0.900	0.200	0.000	0.167	6.700
25.4	2.00E-01	-0.900	0.300	0.000	0.243	3.400
26.1	3.00E-01	-0.900	0.400	0.000	0.340	7.600
28.2	4.00E-01	-0.900	0.500	0.000	0.400	3.300

196	51.36519	1473	54.65	86	345.317078	442.776448
196.4	51.14202	1475	54.65	87.5	346.214212	449.624381
196.8	57.0045	1479	55.108	90.3	359.996241	458.036735
197.1	51.57514	1487	55.27	84.7	371.92731	463.104353
197.5	34.45724	1484	55.12	71.5	391.579265	455.664654
197.6	16.86621	1464	54.373	15.4	393.022308	429.8925
197.6	24.86387	1447	53.712	20.3	376.7876	400.850882
197.6	21.88719	1435	52.78	25.2	365.164646	379.654184
197.6	21.7825	1414	52.463	39.4	357.3681	364.025806
197.6	22.86082	1402	52.16	53.2	351.935434	356.571769
197.3	24.2457	1395	51.54	53.2	351.444186	355.814095
196.9	25.3652	1385	51.54	52.6	351.017321	354.61284
196.5	26.5298	1377	51.004	58.1	350.321472	354.574691
196.2	27.94277	1373	50.92	60	350.775192	354.879782
195.8	28.21313	1369	50.92	58.5	350.873409	354.5
195.8	27.35388	1357	50.3	53.6	350.648069	354.093327
195.8	26.05858	1353	50.3	57.3	350.602303	353.8
195.8	25.73413	1349	50.3	61.6	350.266533	353.8
195.8	27.31119	1348	50.101	68.7	350.281061	356.06561
195.8	29.068	1344	49.68	75.3	351.361612	362.667532
195.8	30.51494	1343	49.68	80.2	352.333205	370.442231
195.8	31.41	1345	49.68	83	353.587407	378.148177
195.8	32.44607	1345	49.68	81.3	354.895198	386.034082
195.8	32.89915	1345	49.68	81.2	356.010057	392.663936
195.8	32.42462	1345	49.68	80.7	357.328846	397.211011
195.8	33.44706	1344	49.68	82.7	358.124242	401.669706
195.8	35.61309	1343	49.68	63.8	359.393919	401.73996
195.8	12.5904	1309	48.852	1.7	357.685684	384.8122
195.8	38.54508	1263	46.871	0	352.251154	357.935385
195.7	39.78678	1225	45.344	0	351.603955	329.892676
195.3	39.23849	1184	43.816	0	349.024859	304.211811
194.9	36.47523	1131	41.765	0.1	345.582909	284.021731
194.5	19.19684	1169	39.875	0.2	338.138791	269.604481
194.2	40.22834	1240	38.519	0	332.324082	258.998434
193.8	38.18438	1161	36.111	0	332.416284	246.633529
193.4	22.05465	1086	33.676	0	332.082966	238.037758
193	11.08692	1209	30.989	0	322.283091	235.361279
192.6	10.38958	1129	28.415	0.8	308.532218	234.3
192.2	10.15036	1194	26.39	0.2	293.056121	234.077342
192.2	10.63981	1222	25.645	0	302.508046	233.106813
192.2	10.40721	1191	24.84	0	310.090751	232.043469
192.2	13.42398	1158	24.22	3.5	309.516973	231.031048
192.2	23.3775	1154	24.22	65	308.236867	238.192458
192.2	35.02451	1194	24.84	75.1	311.804112	261.756637
192.2	52.019	1271	26.479	86.5	322.120979	299.526638
192.2	39.20741	1321	27.473	50.8	342.183953	319.148949
192.2	43.76451	1360	28.433	67.9	342.076295	321.384829

0.26038	0.14185	2.6734	4362.003
0.26043	0.142	2.6756	4370.64
0.26048	0.14213	2.67827	4379.526
0.26052	0.1423	2.68101	4387.756
0.26055	0.14235	2.68303	4393.408
0.26057	0.14239	2.684	4395.801
0.26058	0.14243	2.68451	4397.973
0.26059	0.14249	2.68506	4399.64
0.2606	0.14258	2.68623	4400.85
0.26061	0.14264	2.68813	4402.014
0.26063	0.14274	2.69038	4403.737
0.26065	0.14289	2.69314	4406.106
0.26067	0.14313	2.69527	4408.983
0.26069	0.1433	2.6972	4412.222
0.26071	0.14344	2.69893	4415.56
0.26073	0.14359	2.70045	4418.699
0.26075	0.14367	2.70193	4421.601
0.26077	0.1438	2.7036	4424.469
0.26079	0.14388	2.70534	4427.542
0.26081	0.144	2.70784	4430.986
0.26083	0.14409	2.71042	4434.827
0.26085	0.14417	2.71247	4439.044
0.26087	0.14428	2.71419	4443.565
0.26089	0.14433	2.71593	4448.281
0.26091	0.14439	2.71813	4453.028
0.26093	0.14443	2.7203	4457.872
0.26095	0.14449	2.72228	4462.281
0.26097	0.14453	2.72353	4465.411
0.261	0.14461	2.72462	4469.039
0.26102	0.14475	2.72464	4471.241
0.26103	0.14481	2.72551	4472.26
0.26104	0.14493	2.72689	4472.715
0.26104	0.14499	2.72868	4473.018
0.26105	0.14508	2.73136	4473.359
0.26106	0.14516	2.73419	4473.637
0.26106	0.1452	2.73535	4473.744
0.26106	0.14524	2.7362	4473.819
0.26106	0.14525	2.73695	4473.891
0.26106	0.14528	2.73766	4473.967
0.26106	0.1453	2.73835	4474.043
0.26106	0.14534	2.73901	4474.117
0.26106	0.14537	2.73974	4474.2
0.26107	0.14542	2.74127	4474.399
0.26108	0.14552	2.74577	4475.481
0.2611	0.1456	2.75369	4479.695
0.26112	0.14575	2.75885	4484.991
0.26115	0.14581	2.76121	4489.209

12:07:32.701	-12	0.00002	0.00012	0.00348	4.15	0.000402
12:07:33.701	-12	0.00002	0.00008	0.00289	4.338	0.00042
12:07:34.701	-12	0.00003	0.0001	0.00325	5.167	0.0005
12:07:35.701	-12	0.00003	0.00015	0.00357	7.161	0.000692
12:07:36.701	-12	0.00003	0.0001	0.00288	6.755	0.000653
12:07:37.701	-12	0.00003	0.00014	0.00265	5.31	0.000513
12:07:38.701	-12	0.00002	0.00006	0.00151	3.261	0.000315
12:07:39.701	-12	0.00001	0.00006	0.00125	2.314	0.000224
12:07:40.701	-12	0.00002	0.00007	0.0018	2.774	0.000268
12:07:41.701	-12	0.00002	0.00011	0.00162	2.411	0.000233
12:07:42.701	-12	0.00002	0.00012	0.00162	2.2	0.000213
12:07:43.701	-12	0.00002	0.00009	0.00289	2.96	0.000287
12:07:44.701	-12	0.00003	0.0002	0.00398	4.673	0.000452
12:07:45.701	-12	0.00005	0.00016	0.00698	8.668	0.000838
12:07:46.701	-12	0.00006	0.00025	0.00561	10.494	0.001013
12:07:47.701	-12	0.00005	0.00013	0.00366	7.664	0.00074
12:07:48.701	-12	0.00005	0.00009	0.00352	6.15	0.000594
12:07:49.701	-12	0.00005	0.00016	0.00437	7.628	0.000737
12:07:50.701	-12	0.00006	0.00014	0.00456	8.359	0.000807
12:07:51.701	-12	0.00005	0.0002	0.0031	6.74	0.000651
12:07:52.701	-12	0.00004	0.00009	0.0021	5.537	0.000535
12:07:53.701	-12	0.00004	0.00018	0.00259	6.037	0.000583
12:07:54.701	-12	0.00005	0.00013	0.00337	7.98	0.00077
12:07:55.701	-12	0.00005	0.00016	0.0027	8.112	0.000783
12:07:56.701	-12	0.00005	0.00015	0.00209	6.752	0.000652
12:07:57.701	-12	0.00004	0.00006	0.00228	5.986	0.000578
12:07:58.701	-12	0.00005	0.00014	0.00254	6.64	0.000641
12:07:59.701	-12	0.00005	0.0001	0.00322	7.782	0.000751
12:08:00.701	-12	0.00005	0.00016	0.00325	6.678	0.000645
12:08:01.701	-12	0.00004	0.00011	0.00284	5.314	0.000513
12:08:02.701	-12	0.00003	0.00008	0.00239	3.885	0.000376
12:08:03.701	-12	0.00002	0.00008	0.00126	3.069	0.000297
12:08:04.701	-12	0.00002	0.00008	0.00138	3.001	0.00029
12:08:05.701	-12	0.00003	0.00016	0.00163	3.446	0.000333
12:08:06.701	-12	0.00003	0.00014	0.00161	4.105	0.000397
12:08:07.701	-12	0.00003	0.00017	0.0017	4.959	0.000479
12:08:08.701	-12	0.00004	0.0001	0.00268	5.712	0.000552
12:08:09.701	-12	0.00004	0.00011	0.00295	6.417	0.000619
12:08:10.701	-12	0.00004	0.0002	0.00279	6.773	0.000654
12:08:11.701	-12	0.00005	0.00023	0.00279	7.829	0.000755
12:08:12.701	-12	0.00005	0.00022	0.00266	8.152	0.000786
12:08:13.701	-12	0.00006	0.00014	0.00303	9.459	0.000912
12:08:14.701	-12	0.00005	0.00025	0.00287	8.661	0.000836
12:08:15.701	-12	0.00004	0.00014	0.0011	6.648	0.000642
12:08:16.701	-12	0.00005	0.00018	0.00215	6.804	0.000657
12:08:17.701	-12	0.00005	0.00018	0.00292	7.542	0.000728
12:08:18.701	-12	0.00005	0.00011	0.00287	7.288	0.000703

28.6	4.00E-01	-0.800	0.500	0.000	0.399	6.200
29.8	4.00E-01	-0.800	0.500	0.000	0.398	4.500
30.2	4.00E-01	-0.800	0.500	0.000	0.395	4.900
31.5	4.00E-01	-0.800	0.500	0.000	0.392	6.100
32.2	4.00E-01	-0.800	0.500	0.000	0.393	4.300
34.2	4.00E-01	-0.800	0.500	0.000	0.395	6.700
34.7	4.00E-01	-0.900	0.500	0.000	0.397	4.600
36.1	4.00E-01	-0.900	0.500	0.000	0.398	6.400
36.2	4.00E-01	-0.900	0.500	0.000	0.400	5.400
36.6	4.00E-01	-0.900	0.500	0.000	0.403	8.800
36.6	4.00E-01	-0.900	0.500	0.000	0.406	9.300
36.6	4.00E-01	-0.800	0.500	0.000	0.403	6.300
36.8	4.00E-01	-0.800	0.500	0.000	0.397	10.700
37.4	5.00E-01	-0.800	0.600	0.000	0.470	5.400
38	5.00E-01	-0.800	0.700	0.000	0.544	7.600
39.9	6.00E-01	-0.700	0.800	0.000	0.626	4.800
40.5	6.00E-01	-0.500	0.800	0.000	0.630	4.000
42.3	6.00E-01	-0.500	0.800	0.000	0.626	6.200
42.7	6.00E-01	-0.500	0.800	0.000	0.624	5.000
44	6.00E-01	-0.500	0.800	0.000	0.625	8.600
44.3	6.00E-01	-0.500	0.800	0.000	0.628	4.500
45.3	6.00E-01	-0.500	0.800	0.000	0.628	8.200
45.6	6.00E-01	-0.400	0.800	0.000	0.620	5.400
46.4	6.00E-01	-0.400	0.800	0.000	0.620	6.600
46.7	6.00E-01	-0.400	0.800	0.000	0.625	6.600
47.8	6.00E-01	-0.400	0.800	0.000	0.628	3.000
48	6.00E-01	-0.400	0.800	0.000	0.626	6.100
48.7	6.00E-01	-0.400	0.800	0.000	0.623	4.100
49.1	6.00E-01	-0.400	0.800	0.000	0.624	7.500
50.3	6.00E-01	-0.400	0.800	0.000	0.628	5.700
50.5	6.00E-01	-0.400	0.800	0.000	0.630	5.600
51.3	6.00E-01	-0.400	0.800	0.000	0.632	6.900
51.4	6.00E-01	-0.400	0.800	0.000	0.633	6.700
51.6	6.00E-01	-0.500	0.800	0.000	0.632	12.400
51.7	6.00E-01	-0.500	0.800	0.000	0.630	9.600
52	6.00E-01	-0.400	0.800	0.000	0.626	10.400
52.3	6.00E-01	-0.400	0.800	0.000	0.623	5.500
53.1	6.00E-01	-0.300	0.800	0.000	0.621	5.500
53.4	6.00E-01	-0.100	0.800	0.000	0.619	10.000
54.2	6.00E-01	0.000	0.800	0.000	0.618	9.800
54.5	6.00E-01	0.000	0.800	0.000	0.618	9.100
55.5	6.00E-01	0.000	0.800	0.000	0.616	5.000
55.8	6.00E-01	0.000	0.800	0.000	0.618	9.700
56.6	6.00E-01	0.000	0.800	0.000	0.623	6.300
56.7	6.00E-01	0.000	0.800	0.000	0.624	7.800
57.2	6.00E-01	-0.100	0.800	0.000	0.618	8.000
57.2	6.00E-01	-0.100	0.800	0.000	0.619	5.000

192.2	35.0111	1395	29.19	70.9	342.867396	330.54064
192.2	34.51748	1433	29.81	78.5	343.172869	333.662042
192.2	41.12835	1480	30.855	89	343.500102	346.083871
192.2	54.94494	1545	32.159	65.1	346.515385	368.415582
192.2	60.23355	1603	33.553	59	349.84974	371.268
192.2	33.44834	1653	34.408	60.7	354.712143	372.102697
192.2	28.94727	1413	35.4	64.7	349.898327	364.901502
192.2	20.32304	1391	35.4	38.1	347.771573	353.632233
192.2	31.696	1412	35.4	23.4	339.6502	337.172154
192.2	28.31488	1391	35.4	58	333.088973	327.476696
192.2	27.82795	1403	35.4	61.9	331.055455	325.172361
192.2	29.27594	1412	36.02	65.3	332.639881	324.4
192.2	45.09762	1442	36.64	82	332.375468	335.193233
192.2	67.42128	1499	37.743	85.1	337.630946	369.775844
192.2	69.27446	1552	39.26	75.5	353.598421	393.553111
192.5	53.04185	1596	40.659	76.7	362.559309	400.74
192.9	43.51304	1624	41.324	81.9	362.675351	403.998216
193.3	53.15586	1655	41.967	89.9	365.098129	413.933411
193.7	58.97833	1690	42.85	82.6	344.782019	426.286081
194	49.90894	1711	43.47	76.9	330.922222	425.274619
194	39.28542	1627	44.09	81.4	330.982798	416.904253
194	43.59092	1445	44.71	93.2	331.071509	420.006977
194	52.98985	1468	45.33	88.1	318.832187	431.634919
194	53.28349	1488	45.95	71.9	329.565217	438.681738
194.2	43.29551	1504	46.58	75.3	345.332677	430.216069
194.6	40.33646	1520	46.864	73.2	369.913469	428.016136
195	47.75827	1543	47.535	83.8	366.65929	429.346815
195.4	52.33135	1562	48.15	78.6	372.028144	436.763574
195.7	45.31087	1585	49.06	70.8	372.682209	436.939759
195.8	38.04301	1601	49.375	80.4	369.203684	429.186995
195.8	28.60882	1604	49.68	58.8	361.934127	419.020107
195.8	22.86598	1349	49.68	60.3	346.234304	406.23093
195.8	24.49112	1347	49.68	79.8	340.474231	397.932432
195.8	26.958	1351	50.3	70.4	338.145385	393.37402
195.8	30.6985	1363	50.822	82.7	338.822596	393.857
195.8	35.1127	1377	50.92	85.1	337.442721	400.335
195.8	39.1759	1390	51.597	84.7	333.73244	409.515152
195.8	41.76372	1410	52.194	84.5	336.601708	419.126238
195.8	44.04191	1426	52.78	86.7	335.640909	427.913587
195.8	50.04478	1440	53.41	87.6	325.177685	438.028049
195.8	46.69358	1457	54.03	86.9	329.29613	443.575219
195.8	59.34856	1471	54.65	93	347.05507	452.811471
195.8	56.2335	1484	55.262	75.7	346.709792	460.118118
196	40.39315	1487	55.27	84.4	353.086016	450.134295
196.4	46.11429	1493	55.27	96.2	370.386807	451.264556
196.8	48.32143	1494	55.27	79.9	389.195391	458.820478
197.2	46.36821	1498	55.736	89.5	374.17931	459.380688

0.26117	0.14593	2.76469	4493.359
0.26119	0.14601	2.76758	4497.697
0.26122	0.14611	2.77083	4502.864
0.26125	0.14626	2.7744	4510.025
0.26128	0.14636	2.77728	4516.78
0.26131	0.1465	2.77993	4522.09
0.26133	0.14656	2.78144	4525.351
0.26134	0.14662	2.78269	4527.665
0.26136	0.14669	2.78449	4530.439
0.26138	0.1468	2.78611	4532.85
0.2614	0.14692	2.78773	4535.05
0.26142	0.14701	2.79062	4538.01
0.26145	0.14721	2.7946	4542.683
0.2615	0.14737	2.80158	4551.351
0.26156	0.14762	2.80719	4561.845
0.26161	0.14775	2.81085	4569.509
0.26166	0.14784	2.81437	4575.659
0.26171	0.148	2.81874	4583.287
0.26177	0.14814	2.8233	4591.646
0.26182	0.14834	2.8264	4598.386
0.26186	0.14843	2.8285	4603.923
0.2619	0.14861	2.83109	4609.96
0.26195	0.14874	2.83446	4617.94
0.262	0.1489	2.83716	4626.052
0.26205	0.14905	2.83925	4632.804
0.26209	0.14911	2.84153	4638.79
0.26214	0.14925	2.84407	4645.43
0.26219	0.14935	2.84729	4653.212
0.26224	0.14951	2.85054	4659.89
0.26228	0.14962	2.85338	4665.204
0.26231	0.1497	2.85577	4669.089
0.26233	0.14978	2.85703	4672.158
0.26235	0.14986	2.85841	4675.159
0.26238	0.15002	2.86004	4678.605
0.26241	0.15016	2.86165	4682.71
0.26244	0.15033	2.86335	4687.669
0.26248	0.15043	2.86603	4693.381
0.26252	0.15054	2.86898	4699.798
0.26256	0.15074	2.87177	4706.571
0.26261	0.15097	2.87456	4714.4
0.26266	0.15119	2.87722	4722.552
0.26272	0.15133	2.88025	4732.011
0.26277	0.15158	2.88312	4740.672
0.26281	0.15172	2.88422	4747.32
0.26286	0.1519	2.88637	4754.124
0.26291	0.15208	2.88929	4761.666
0.26296	0.15219	2.89216	4768.954

12:08:19.701	-12	0.00005	0.0002	0.00302	8.27	0.000798
12:08:20.701	-12	0.00005	0.00019	0.00241	8.885	0.000857
12:08:21.701	-12	0.00005	0.00025	0.00235	8.451	0.000815
12:08:22.701	-12	0.00004	0.00014	0.0025	6.669	0.000644
12:08:23.701	-12	0.00004	0.00016	0.00262	5.464	0.000528
12:08:24.701	-12	0.00004	0.00019	0.00283	5.922	0.000572
12:08:25.701	-12	0.00005	0.00014	0.00278	7.427	0.000717
12:08:26.701	-12	0.00005	0.00021	0.00208	7.606	0.000734
12:08:27.701	-12	0.00003	0.00012	0.0015	5.19	0.000501
12:08:28.701	-12	0.00002	0.00007	0.00074	2.259	0.000218
12:08:29.701	-12	0.00002	0.00008	0.00063	2.258	0.000218
12:08:30.701	-12	0.00003	0.00011	0.00048	1.892	0.000183
12:08:31.701	-12	0.00002	0.00009	0.00076	1.285	0.000124
12:08:32.701	-12	0.00003	0.00007	0.00272	2.082	0.000202
12:08:33.701	-12	0.00003	0.00013	0.00387	3.519	0.000341
12:08:34.701	-12	0.00003	0.00004	0.00306	4.345	0.00042
12:08:35.701	-12	0.00004	0.00011	0.00223	4.662	0.00045
12:08:36.701	-12	0.00004	0.00006	0.00251	5.66	0.000547
12:08:37.701	-12	0.00005	0.00009	0.00387	8.292	0.0008
12:08:38.701	-12	0.00006	0.00012	0.0026	9.494	0.000916
12:08:39.701	-12	0.00006	0.00014	0.00216	9.621	0.000928
12:08:40.701	-12	0.00006	0.0003	0.00294	10.368	0.001
12:08:41.701	-12	0.00007	0.00018	0.0041	11.963	0.001154
12:08:42.701	-12	0.00007	0.00034	0.00473	12.003	0.001158
12:08:43.701	-12	0.00006	0.00023	0.00504	11.164	0.001077
12:08:44.701	-12	0.00006	0.00028	0.00544	10.611	0.001024
12:08:45.701	-12	0.00005	0.00025	0.00542	9.582	0.000925
12:08:46.701	-12	0.00006	0.00016	0.00577	9.994	0.000965
12:08:47.701	-12	0.00006	0.00026	0.00486	9.25	0.000893
12:08:48.701	-12	0.00005	0.00011	0.00371	7.488	0.000723
12:08:49.701	-12	0.00005	0.00021	0.00378	7.276	0.000703
12:08:50.701	-12	0.00005	0.00012	0.0033	6.994	0.000675
12:08:51.701	-12	0.00004	0.00016	0.00295	6.11	0.00059
12:08:52.701	-12	0.00003	0.00015	0.00199	5.157	0.000498
12:08:53.701	-12	0.00003	0.00013	0.00178	4.591	0.000444
12:08:54.701	-12	0.00003	0.00015	0.00186	4.236	0.000409
12:08:55.701	-12	0.00003	0.00007	0.00159	4.035	0.00039
12:08:56.701	-12	0.00002	0.00013	0.00152	3.885	0.000375
12:08:57.701	-12	0.00003	0.00007	0.00155	3.961	0.000383
12:08:58.701	-12	0.00003	0.00011	0.00155	3.95	0.000382
12:08:59.701	-12	0.00003	0.00012	0.00172	4.056	0.000392
12:09:00.701	-12	0.00003	0.00011	0.00201	4.378	0.000423
12:09:01.701	-12	0.00003	0.00014	0.00207	4.886	0.000472
12:09:02.701	-12	0.00003	0.00007	0.00166	5.447	0.000526
12:09:03.701	-12	0.00003	0.00017	0.00248	5.727	0.000553
12:09:04.701	-12	0.00003	0.0001	0.00271	5.775	0.000558
12:09:05.701	-12	0.00003	0.00012	0.00257	5.817	0.000562

57.2	6.00E-01	-0.100	0.800	0.000	0.617	8.200
57.4	6.00E-01	-0.100	0.800	0.000	0.617	7.400
57.7	6.00E-01	-0.200	0.800	0.000	0.619	9.900
57.8	6.00E-01	-0.300	0.800	0.000	0.623	6.400
58	6.00E-01	-0.300	0.800	0.000	0.627	8.800
58	6.00E-01	-0.300	0.800	0.000	0.625	9.500
58	6.00E-01	-0.300	0.800	0.000	0.619	6.200
58	6.00E-01	-0.300	0.800	0.000	0.617	9.400
58	6.00E-01	-0.300	0.800	0.000	0.621	7.400
57.9	6.00E-01	-0.300	0.800	0.000	0.628	8.800
57.5	6.00E-01	-0.400	0.800	0.000	0.636	8.300
56.9	7.00E-01	-0.400	0.800	0.000	0.653	8.900
55.1	6.00E-01	-0.600	0.700	0.000	0.580	7.400
54.7	6.00E-01	-0.700	0.700	0.000	0.572	4.700
53.4	6.00E-01	-0.700	0.700	0.000	0.561	7.800
53.2	6.00E-01	-0.700	0.700	0.000	0.576	2.400
52.4	6.00E-01	-0.700	0.800	0.000	0.629	6.700
52.1	6.00E-01	-0.700	0.800	0.000	0.627	3.300
51.3	6.00E-01	-0.700	0.800	0.000	0.619	3.500
51.2	6.00E-01	-0.700	0.800	0.000	0.616	4.300
51	6.00E-01	-0.700	0.800	0.000	0.617	5.000
51	6.00E-01	-0.500	0.800	0.000	0.617	9.800
50.9	6.00E-01	-0.400	0.800	0.000	0.616	5.100
51.1	6.00E-01	-0.400	0.800	0.000	0.594	9.800
51.6	5.00E-01	-0.300	0.700	0.000	0.541	6.700
51.9	5.00E-01	-0.300	0.700	0.000	0.543	8.500
52.7	5.00E-01	-0.100	0.700	0.000	0.543	8.300
52.9	6.00E-01	0.100	0.700	0.078	0.543	5.100
53.5	6.00E-01	0.100	0.700	0.078	0.544	9.000
53.7	6.00E-01	0.100	0.700	0.078	0.545	4.400
54.4	6.00E-01	0.100	0.700	0.078	0.544	9.300
54.5	6.00E-01	0.100	0.700	0.078	0.544	5.500
55	6.00E-01	0.100	0.700	0.054	0.545	8.300
55	5.00E-01	0.000	0.700	0.000	0.548	8.300
55.2	5.00E-01	0.000	0.700	0.000	0.549	8.200
55.2	5.00E-01	-0.100	0.700	0.000	0.549	10.100
55.2	5.00E-01	-0.200	0.700	0.000	0.549	5.100
55.3	5.00E-01	-0.300	0.700	0.000	0.549	9.600
55.6	5.00E-01	-0.400	0.700	0.000	0.549	5.300
55.5	5.00E-01	-0.500	0.700	0.000	0.549	8.200
55.2	5.00E-01	-0.500	0.700	0.000	0.549	8.100
55.2	5.00E-01	-0.500	0.700	0.000	0.549	6.900
55	5.00E-01	-0.500	0.700	0.000	0.547	8.300
55	5.00E-01	-0.500	0.700	0.000	0.545	4.200
55	5.00E-01	-0.500	0.700	0.000	0.544	9.600
55	5.00E-01	-0.500	0.700	0.000	0.544	5.300
55	5.00E-01	-0.500	0.700	0.000	0.544	6.600

197.6	51.14495	1501	55.89	90.9	365.023729	464.168804
197.6	55.49137	1506	55.89	88.2	354.944509	469.299666
197.6	53.69463	1513	55.89	82.8	343.827543	469.92475
197.6	46.13969	1515	56.51	83.4	335.611227	464.11928
197.6	37.47161	1507	55.89	85.3	348.260356	452.984649
197.6	39.76467	1511	55.89	92.6	364.46425	451.100653
197.6	47.08476	1509	56.394	93	372.918333	460.475976
197.6	51.04095	1513	56.041	85.3	386.98285	466.154494
197.6	28.86588	1506	55.89	68.7	397.962712	456.001415
197.6	15.16454	1483	54.856	8.9	379.918112	429.810648
197.2	15.50331	1451	53.814	1.1	369.474044	403.121998
196.9	15.32745	1429	53.001	26.5	360.829496	381.041203
196.5	26.15295	1401	52.16	69.8	349.410956	369.314213
196.2	31.27254	1385	51.54	68.8	348.538728	371.04016
195.8	35.10051	1375	50.92	78.4	351.28125	378.841602
195.8	31.32007	1360	50.3	70.2	353.111808	385.339404
195.8	34.16926	1344	49.73	83.2	355.459245	390.727397
195.8	40.34055	1331	49.68	94.2	358.2536	403.2
195.8	52.35336	1327	49.06	89.4	356.922368	425.126327
195.9	58.2965	1330	49.06	84.8	366.984517	443.11592
196.2	58.48387	1328	49.159	85.3	366.147013	454.216576
196.6	63.5695	1333	49.16	87.5	368.56501	464.462162
197	73.66182	1353	49.68	93.8	357.267485	476.845915
197.4	73.93487	1365	50.3	91.3	349.708879	484.68754
	66.04887	1377	50.92	85	353.672553	487.114355
	68.40491	1386	51.226	84.1	357.129769	490.247374
	60.71944	1395	51.54	81.7	360.259091	490.14367
	66.08448	1406	52.16	82.5	358.39697	491.424513
	59.12072	1414	52.471	81.6	359.339832	491.7
199.5	52.31208	1424	52.78	82.8	361.632309	488.174508
199.9	47.03268	1430	52.78	85.4	363.141445	485.159452
200.3	45.05943	1436	53.41	81.2	354.773077	480.883605
200.7	41.30071	1439	53.41	81	369.33668	473.142042
201	35.11501	1441	53.41	79.6	378.226994	463.495682
201	30.87107	1441	53.41	80.5	379.283718	454.070075
200.6	29.52784	1442	53.41	78	379.917143	446.027739
200.2	28.79206	1441	53.41	74.2	376.866253	439.712526
199.8	28.20295	1441	53.41	72.7	385.672703	434.984093
199.4	28.06886	1441	53.41	73.2	390.434808	428.861111
199.1	28.68417	1438	53.41	70.7	388.5852	423.915178
198.7	31.08337	1435	53.41	74.7	385.513646	421.3
198.3	32.94706	1434	53.41	81.7	385.513646	421.858412
197.9	34.90535	1433	53.41	84.6	380.08625	424.619355
197.6	37.06419	1433	53.41	83.9	375.271154	429.575431
197.6	37.42469	1433	53.41	83.5	379.590211	434.219488
197.6	38.32082	1434	53.41	83.2	380.996839	437.493976
197.6	38.01823	1436	53.41	84.6	380.854688	440.0436

0.26301	0.15239	2.89518	4777.224
0.26306	0.15258	2.89759	4786.109
0.26311	0.15283	2.89994	4794.56
0.26315	0.15297	2.90244	4801.229
0.26319	0.15313	2.90506	4806.693
0.26323	0.15332	2.90789	4812.615
0.26328	0.15346	2.91067	4820.042
0.26333	0.15367	2.91275	4827.648
0.26336	0.15379	2.91425	4832.838
0.26338	0.15386	2.91499	4835.097
0.2634	0.15394	2.91562	4837.355
0.26343	0.15405	2.9161	4839.247
0.26345	0.15414	2.91686	4840.532
0.26348	0.15421	2.91958	4842.614
0.26351	0.15434	2.92345	4846.133
0.26354	0.15438	2.92651	4850.478
0.26358	0.15449	2.92874	4855.14
0.26362	0.15455	2.93125	4860.8
0.26367	0.15464	2.93512	4869.092
0.26373	0.15476	2.93772	4878.586
0.26379	0.1549	2.93988	4888.207
0.26385	0.1552	2.94282	4898.575
0.26392	0.15538	2.94692	4910.538
0.26399	0.15572	2.95165	4922.541
0.26405	0.15595	2.95669	4933.705
0.26411	0.15623	2.96213	4944.316
0.26416	0.15648	2.96755	4953.898
0.26422	0.15664	2.97332	4963.892
0.26428	0.1569	2.97818	4973.142
0.26433	0.15701	2.98189	4980.63
0.26438	0.15722	2.98567	4987.906
0.26443	0.15734	2.98897	4994.9
0.26447	0.1575	2.99192	5001.01
0.2645	0.15765	2.99391	5006.167
0.26453	0.15778	2.99569	5010.758
0.26456	0.15793	2.99755	5014.994
0.26459	0.158	2.99914	5019.029
0.26461	0.15813	3.00066	5022.914
0.26464	0.1582	3.00221	5026.875
0.26467	0.15831	3.00376	5030.825
0.2647	0.15843	3.00548	5034.881
0.26473	0.15854	3.00749	5039.259
0.26476	0.15868	3.00956	5044.145
0.26479	0.15875	3.01122	5049.592
0.26482	0.15892	3.0137	5055.319
0.26485	0.15902	3.01641	5061.094
0.26488	0.15914	3.01898	5066.911

12:09:06.701	-12	0.00003	0.00012	0.00235	5.741	0.000554
12:09:07.701	-12	0.00003	0.00011	0.00232	5.648	0.000545
12:09:08.701	-12	0.00003	0.00014	0.00229	5.5	0.000531
12:09:09.701	-12	0.00003	0.0001	0.00225	5.407	0.000522
12:09:10.701	-12	0.00003	0.00016	0.00227	5.53	0.000534
12:09:11.701	-12	0.00003	0.0001	0.00217	5.764	0.000556
12:09:12.701	-12	0.00003	0.00011	0.00201	5.83	0.000563
12:09:13.701	-12	0.00003	0.00012	0.00202	5.828	0.000563
12:09:14.701	-12	0.00003	0.00011	0.00205	5.934	0.000573
12:09:15.701	-12	0.00003	0.00015	0.00211	6.184	0.000597
12:09:16.701	-12	0.00004	0.00008	0.00218	6.455	0.000623
12:09:17.701	-12	0.00004	0.0002	0.00211	6.862	0.000662
12:09:18.701	-12	0.00004	0.0001	0.00197	7.171	0.000692
12:09:19.701	-12	0.00004	0.00016	0.00203	7.385	0.000712
12:09:20.701	-12	0.00004	0.00011	0.00201	7.202	0.000695
12:09:21.701	-12	0.00004	0.00012	0.00234	7.124	0.000687
12:09:22.701	-12	0.00004	0.0002	0.0024	6.96	0.000672
12:09:23.701	-12	0.00003	0.00021	0.00255	6.699	0.000647
12:09:24.701	-12	0.00003	0.00023	0.00247	6.064	0.000586
12:09:25.701	-12	0.00003	0.00009	0.00207	5.631	0.000544
12:09:26.701	-12	0.00003	0.00012	0.00187	5.066	0.000489
12:09:27.701	-12	0.00001	0.00005	0.00091	2.435	0.000235
12:09:28.701	-12	0.00002	0.00006	0.00111	3.231	0.000312
12:09:29.701	-12	0.00002	0.00011	0.0009	2.302	0.000223
12:09:30.701	-12	0.00002	0.00009	0.0022	2.924	0.000283
12:09:31.701	-12	0.00003	0.00024	0.00695	6.832	0.000661
12:09:32.701	-12	0.00004	0.00009	0.00417	8.535	0.000824
12:09:33.701	-12	0.00004	0.00016	0.0029	7.582	0.000732
12:09:34.701	-12	0.00003	0.00009	0.00259	6.187	0.000598
12:09:35.701	-12	0.00002	0.00007	0.00263	5.513	0.000533
12:09:36.701	-12	0.00002	0.0001	0.00242	5.084	0.000491
12:09:37.701	-12	0.00001	0.00005	0.00195	3.935	0.00038
12:09:38.701	-12	0.00001	0.00012	0.00245	3.526	0.000341
12:09:39.701	-12	0.00001	0.00008	0.00225	3.403	0.000329
12:09:40.701	-12	0.00001	0.00011	0.00157	3.036	0.000293
12:09:41.701	-12	0	0.00006	0.00084	1.754	0.00017
12:09:42.701	-12	0	0.00006	0.00083	1.542	0.000149
12:09:43.701	-12	0.00001	0.00013	0.0014	2.253	0.000218
12:09:44.701	-12	0.00001	0.00011	0.00049	1.588	0.000154
12:09:45.701	-12	0.00001	0.00012	0.00181	1.331	0.000129
12:09:46.701	-12	0.00001	0.00009	0.00242	1.51	0.000146
12:09:47.701	-12	0	0.00013	0.00217	1.752	0.00017
12:09:48.701	-12	0.00001	0.0001	0.00171	1.813	0.000176
12:09:49.701	-12.7	0.00001	0.00012	0.00186	2.157	0.000209
12:09:50.701	-12.2	0.00001	0.00019	0.00234	2.914	0.000282
12:09:51.701	-12	0.00001	0.00017	0.0028	3.74	0.000362
12:09:52.701	-12.8	0.00001	0.00023	0.00349	4.905	0.000474

55	5.00E-01	-0.500	0.700	0.000	0.544	6.600	197.6	37.27	1436	53.41	83.5	371.234837	441.1
55	5.00E-01	-0.500	0.700	0.000	0.544	6.000	197.6	37.10445	1434	53.41	84.4	365.193762	441.689336
55	5.00E-01	-0.500	0.700	0.000	0.545	8.100	197.6	35.51444	1437	53.41	82.5	366.152885	441.2936
55.1	5.00E-01	-0.500	0.700	0.000	0.545	5.900	197.6	35.27465	1438	53.41	83.8	366.133589	440.4936
55.1	5.00E-01	-0.500	0.700	0.000	0.544	8.900	197.6	35.99109	1436	53.41	86	356.193095	440.988309
55.2	5.00E-01	-0.500	0.700	0.000	0.543	5.700	197.6	37.56237	1438	53.41	85.4	379.176913	443.6
55.2	5.00E-01	-0.600	0.700	0.000	0.543	6.200	197.6	37.41	1436	53.41	85	389.877238	443.6
55.2	5.00E-01	-0.600	0.700	0.000	0.543	6.500	197.6	37.23711	1435	53.41	84.2	391.3921	443.8322
55.2	5.00E-01	-0.600	0.700	0.000	0.543	5.700	197.6	38.18111	1438	53.41	86.3	392.040521	445.241379
55.1	5.00E-01	-0.600	0.700	0.000	0.543	7.900	197.6	39.21681	1435	53.41	86.3	390.646279	447.378537
55.1	5.00E-01	-0.600	0.700	0.000	0.542	4.000	197.6	40.3637	1433	53.41	87.8	386.700962	449.133855
55.1	5.00E-01	-0.600	0.700	0.000	0.541	9.500	197.6	43.12223	1430	53.41	86.3	389.102264	452.204167
55.1	5.00E-01	-0.600	0.700	0.000	0.541	4.500	197.6	44.21378	1435	53.41	85.5	391.1525	455.2988
55	5.00E-01	-0.600	0.700	0.000	0.541	7.200	197.6	45.295	1431	53.41	86.3	391.453958	457.452708
55	5.00E-01	-0.600	0.700	0.000	0.542	5.200	197.6	44.62491	1438	53.41	86.2	390.691892	458.2
55.1	5.00E-01	-0.700	0.700	0.000	0.542	5.400	197.6	44.69826	1440	53.41	83.9	392.296731	458.2
55.3	5.00E-01	-0.700	0.700	0.000	0.543	9.400	197.6	43.59343	1436	53.41	82.3	392.888776	456.777647
55.1	5.00E-01	-0.700	0.600	0.000	0.467	10.000	197.6	43.03462	1436	53.41	82	393.792115	454.2012
55.1	5.00E-01	-0.700	0.600	0.000	0.468	11.800	197.6	40.58143	1440	53.41	81.7	391.979039	451.462857
55.2	5.00E-01	-0.700	0.600	0.000	0.468	4.700	197.6	38.34324	1439	53.41	83.6	390.600096	448.862138
55.2	5.00E-01	-0.700	0.600	0.000	0.468	7.300		36.84038	1437	53.41	81.6	390.439623	447.359248
55.4	4.00E-01	-0.700	0.500	0.000	0.391	5.600		16.83226	1423	52.78	5.4	391.322243	431.284273
55.2	4.00E-01	-0.700	0.500	0.000	0.395	5.100		21.06035	1405	52.16	1.3	381.639884	404.753059
54.4	4.00E-01	-0.700	0.500	0.000	0.406	8.200		27.10395	1394	51.54	63.7	373.992105	391.359681
54.2	4.00E-01	-0.700	0.500	0.000	0.406	5.200		38.98987	1386	51.54	80.1	372.646205	395.706329
53.4	4.00E-01	-0.700	0.500	0.000	0.393	9.700	197.6	56.26286	1396	52.041	83.8	377.009353	414.276703
53.5	4.00E-01	-0.700	0.500	0.000	0.412	3.500	197.6	55.04538	1410	52.16	82.9	379.153687	433.72538
53.7	5.00E-01	-0.700	0.600	0.000	0.467	6.400	197.6	48.19859	1422	52.78	76.6	365.574524	441.411389
53.9	4.00E-01	-0.700	0.600	0.000	0.445	4.200	197.6	41.37	1429	53.41	84.7	383.026875	440.561624
54.5	4.00E-01	-0.800	0.500	0.000	0.392	3.900	197.6	41.6719	1442	53.41	78.4	396.807519	442.526957
54.7	4.00E-01	-0.800	0.500	0.000	0.366	6.100	197.6	30.52185	1445	53.41	72.6	403.075189	438.69
55.4	3.00E-01	-0.800	0.400	0.000	0.314	3.300	197.6	26.4355	1447	53.41	68	397.741176	427.779109
55.4	3.00E-01	-0.800	0.400	0.000	0.291	9.300	197.6	27.85358	1448	53.695	64.4	392.524528	418.651563
55.6	2.00E-01	-0.900	0.300	0.000	0.237	6.300	197.6	27.2593	1448	54.03	60.9	384.793182	411.095784
55.6	2.00E-01	-1.000	0.300	0.000	0.213	9.700	197.6	26.80883	1452	54.03	53.1	383.054468	402.458719
55.6	2.00E-01	-1.000	0.200	0.000	0.158	8.600		12.58308	1448	54.03	5.4	379.280077	388.551667
55.6	2.00E-01	-1.100	0.200	0.000	0.159	9.900		12.50667	1437	53.41	8.9	370.983818	371.376647
55.5	2.00E-01	-1.100	0.200	0.000	0.161	11.000		30.05604	1430	52.972	17.1	363.188889	356.074847
55.3	2.00E-01	-1.100	0.200	0.000	0.164	9.700		24.91216	1426	52.78	33.6	357.325144	344.4953
54.8	2.00E-01	-1.100	0.200	0.000	0.165	11.200		24.498	1422	52.78	39.6	353.898117	337.863173
54.8	1.00E-01	-1.100	0.200	0.000	0.139	8.500	195.4	22.97769	1421	52.78	35	350.883206	332.070741
54.7	1.00E-01	-1.100	0.100	0.000	0.108	11.600	195.1	23.16888	1417	52.78	40.5	348.285468	327.20297
54.6	2.00E-01	-1.100	0.200	0.000	0.163	9.200	194.7	22.61594	1414	52.387	55.5	346.384834	326.045115
54.4	2.00E-01	-1.100	0.200	0.000	0.162	10.300	194.3	24.99895	1407	52.16	61.1	351.622976	330.086318
54.3	2.00E-01	-1.100	0.200	0.000	0.160	13.800		28.2413	1408	52.16	71	355.069075	337.101273
54.1	2.00E-01	-1.100	0.200	0.000	0.159	11.500		32.43979	1398	52.16	82.1	356.886084	348.006471
54.1	2.00E-01	-1.100	0.200	0.000	0.157	12.900		38.2306	1399	52.16	85.5	360.65142	362.741806

0.26491	0.15926	3.02133	5072.652
0.26494	0.15937	3.02365	5078.3
0.26497	0.15951	3.02594	5083.8
0.265	0.15961	3.02819	5089.207
0.26503	0.15977	3.03046	5094.737
0.26506	0.15987	3.03263	5100.501
0.26509	0.15998	3.03464	5106.331
0.26512	0.1601	3.03666	5112.159
0.26515	0.16021	3.03871	5118.093
0.26518	0.16036	3.04082	5124.277
0.26522	0.16044	3.043	5130.732
0.26526	0.16064	3.04511	5137.594
0.2653	0.16074	3.04708	5144.765
0.26534	0.1609	3.04911	5152.15
0.26538	0.16101	3.05112	5159.352
0.26542	0.16113	3.05346	5166.476
0.26546	0.16133	3.05586	5173.436
0.26549	0.16154	3.05841	5180.135
0.26552	0.16177	3.06088	5186.199
0.26555	0.16186	3.06295	5191.83
0.26558	0.16198	3.06482	5196.896
0.26559	0.16203	3.06573	5199.331
0.26561	0.16209	3.06684	5202.562
0.26563	0.1622	3.06774	5204.864
0.26565	0.16229	3.06994	5207.788
0.26568	0.16253	3.07689	5214.62
0.26572	0.16262	3.08106	5223.155
0.26576	0.16278	3.08396	5230.737
0.26579	0.16287	3.08655	5236.924
0.26581	0.16294	3.08918	5242.437
0.26583	0.16304	3.0916	5247.521
0.26584	0.16309	3.09355	5251.456
0.26585	0.16321	3.096	5254.982
0.26586	0.16329	3.09825	5258.385
0.26587	0.1634	3.09982	5261.421
0.26587	0.16346	3.10066	5263.175
0.26587	0.16352	3.10149	5264.717
0.26588	0.16365	3.10289	5266.97
0.26589	0.16376	3.10338	5268.558
0.2659	0.16388	3.10519	5269.889
0.26591	0.16397	3.10761	5271.399
0.26591	0.1641	3.10978	5273.151
0.26592	0.1642	3.11149	5274.964
0.26593	0.16432	3.11335	5277.121
0.26594	0.16451	3.11569	5280.035
0.26595	0.16468	3.11849	5283.775
0.26596	0.16491	3.12198	5288.68

12:09:53.701	-12.2	0.00002	0.00016	0.00344	6.131	0.000592
12:09:54.701	-12.8	0.00001	0.00015	0.00242	6.032	0.000582
12:09:55.701	-13	0.00001	0.00013	0.00211	5.586	0.000539
12:09:56.701	-12.2	0.00002	0.00011	0.00231	5.316	0.000513
12:09:57.701	-12	0.00001	0.00012	0.00223	5.081	0.000491
12:09:58.701	-12	0.00001	0.00007	0.00211	4.811	0.000465
12:09:59.701	-12	0.00002	0.00015	0.00203	4.611	0.000445
12:10:00.701	-12.7	0.00002	0.00007	0.00197	4.462	0.000431
12:10:01.701	-13	0.00002	0.00013	0.002	4.438	0.000429
12:10:02.701	-13	0.00002	0.00008	0.00232	4.704	0.000454
12:10:03.701	-13	0.00002	0.00011	0.00232	5.432	0.000524
12:10:04.701	-13	0.00002	0.00014	0.00204	6.192	0.000597
12:10:05.701	-13	0.00002	0.00009	0.00166	6.492	0.000626
12:10:06.701	-13	0.00002	0.00018	0.00161	6.657	0.000642
12:10:07.701	-13	0.00002	0.0001	0.00193	6.872	0.000663
12:10:08.701	-13	0.00002	0.00015	0.00195	6.931	0.000669
12:10:09.701	-13	0.00002	0.00009	0.00191	6.711	0.000648
12:10:10.701	-13	0.00002	0.00014	0.00213	6.554	0.000633
12:10:11.701	-13	0.00002	0.00013	0.0022	6.241	0.000602
12:10:12.701	-13	0.00002	0.00008	0.00217	6.108	0.00059
12:10:13.701	-13	0.00002	0.00015	0.00211	6.044	0.000583
12:10:14.701	-13	0.00002	0.00008	0.00177	5.906	0.00057
12:10:15.701	-13	0.00002	0.00016	0.002	5.827	0.000562
12:10:16.701	-13	0.00002	0.00011	0.00204	5.714	0.000552
12:10:17.701	-13	0.00001	0.00011	0.002	5.615	0.000542
12:10:18.701	-13	0.00001	0.00013	0.00196	5.477	0.000529
12:10:19.701	-13	0.00002	0.00007	0.00191	5.345	0.000516
12:10:20.701	-13	0.00001	0.00017	0.00189	5.313	0.000513
12:10:21.701	-13	0.00002	0.0001	0.00191	5.433	0.000524
12:10:22.701	-13	0.00002	0.00016	0.00174	5.576	0.000538
12:10:23.701	-13	0.00001	0.00011	0.00165	5.672	0.000547
12:10:24.701	-13	0.00002	0.00013	0.00178	5.816	0.000561
12:10:25.701	-13	0.00002	0.00016	0.00205	6.048	0.000584
12:10:26.701	-13	0.00002	0.00013	0.00176	6.048	0.000584
12:10:27.701	-13	0.00001	0.00016	0.00208	6.274	0.000606
12:10:28.701	-13	0.00002	0.00007	0.00199	6.547	0.000632
12:10:29.701	-13	0.00002	0.00015	0.00183	6.488	0.000626
12:10:30.701	-13	0.00002	0.00009	0.00188	6.176	0.000596
12:10:31.701	-13	0.00002	0.00011	0.00211	6.01	0.00058
12:10:32.701	-13	0.00002	0.00011	0.00205	5.751	0.000555
12:10:33.701	-13	0.00001	0.00008	0.00225	5.524	0.000533
12:10:34.701	-13	0.00001	0.00017	0.00222	5.276	0.000509
12:10:35.701	-13	0.00001	0.00014	0.00177	5.169	0.000499
12:10:36.701	-13	0.00001	0.00022	0.00135	5.213	0.000503
12:10:37.701	-13	0.00001	0.00012	0.00157	5.2	0.000502
12:10:38.701	-13	0.00001	0.00013	0.00154	5.131	0.000495
12:10:39.701	-13	0.00001	0.00011	0.00149	4.969	0.00048

53.9	2.00E-01	-1.100	0.300	0.000	0.234	7.700		41.567	1401	52.16	84.4	365.841545	377.58125
53.9	2.00E-01	-1.100	0.300	0.000	0.233	8.000		38.27011	1411	52.16	80.1	369.917514	387.345578
54	2.00E-01	-1.100	0.300	0.000	0.234	6.900	194	37.95117	1407	52.16	81.9	372.864057	393.229748
54	3.00E-01	-1.000	0.300	0.000	0.258	6.200	194	35.59992	1406	52.16	79.6	375.178967	396.9975
54	2.00E-01	-1.000	0.300	0.000	0.235	6.800	194	35.03023	1411	52.16	80	375.978709	399.810511
54	2.00E-01	-1.100	0.300	0.000	0.235	4.100	194	32.73962	1413	52.16	80.7	377.163953	401.3
54	3.00E-01	-1.000	0.400	0.000	0.313	9.700	194	30.99007	1414	52.276	76.9	375.981549	400.862151
54.1	3.00E-01	-1.000	0.400	0.000	0.313	4.500		31.45738	1415	52.16	80.9	370.651923	399.995974
54.2	3.00E-01	-1.000	0.400	0.000	0.313	8.500		31.3938	1411	52.16	82.1	370.842308	399.7
54.2	3.00E-01	-1.000	0.400	0.000	0.312	5.300		33.73103	1412	52.16	85.7	370.611111	402.931827
54.2	3.00E-01	-1.000	0.400	0.000	0.311	6.600		37.51033	1409	52.16	86.8	370.985714	408.944898
54.2	3.00E-01	-1.000	0.400	0.000	0.310	7.400		40.34833	1407	52.16	85.2	372.362264	416.570588
54	3.00E-01	-1.000	0.400	0.000	0.309	4.600	194.1	41.66268	1404	52.16	83.7	375.25566	422.156126
54	3.00E-01	-1.000	0.400	0.000	0.309	8.700	194.4	42.80958	1411	52.16	85.1	376.614516	427.375794
54	3.00E-01	-1.000	0.400	0.000	0.309	5.000	194.8	43.61215	1403	52.16	85	377.80076	432.055446
54	3.00E-01	-0.900	0.400	0.000	0.309	7.300	195.2	44.01693	1412	52.16	84	374.997674	435.257609
54	3.00E-01	-0.900	0.400	0.000	0.310	4.300	195.5	41.84743	1413	52.16	85.2	366.713462	436.767742
54	3.00E-01	-0.900	0.400	0.000	0.310	6.700		41.61611	1408	52.16	85.4	368.76979	436.329412
54.1	3.00E-01	-0.900	0.400	0.000	0.311	6.600		40.69922	1414	52.16	81.6	368.112042	435.508591
54.1	3.00E-01	-0.900	0.400	0.000	0.311	4.100		39.82207	1412	52.16	83	368.021698	434.719823
54.3	3.00E-01	-0.900	0.400	0.000	0.311	7.500		39.28688	1415	52.16	82.5	365.784725	433.831959
54.3	3.00E-01	-0.900	0.400	0.000	0.311	4.200		38.81063	1409	52.16	83.2	365.629982	434.25918
54.4	3.00E-01	-0.900	0.400	0.000	0.311	8.800		38.26481	1410	52.16	83.6	367.760617	435.061159
54.4	3.00E-01	-0.800	0.400	0.000	0.311	5.800		38.02696	1412	52.16	83.6	362.389831	434.71254
54.2	2.00E-01	-0.800	0.300	0.000	0.233	5.900		36.74159	1416	52.16	82.7	363.387896	434.5
54.2	2.00E-01	-0.800	0.300	0.000	0.233	7.500		36.08	1413	52.16	82.3	362.998182	434.5
54.2	3.00E-01	-0.800	0.400	0.000	0.288	4.000		35.27763	1412	52.16	82.1	363.95	433.849012
54.2	2.00E-01	-0.800	0.300	0.000	0.233	9.900	195.8	35.36413	1411	52.16	83.4	358.994318	433.6
54.2	3.00E-01	-0.800	0.400	0.000	0.311	6.000	195.8	36.66925	1409	52.16	84.3	351.302075	434.363874
54.2	3.00E-01	-0.800	0.400	0.000	0.286	9.000	195.8	36.80436	1409	52.16	82.6	352.117264	435.174633
54.2	2.00E-01	-0.800	0.300	0.000	0.233	6.300	195.8	36.64174	1408	52.16	83.6	349.806557	435.3
54.2	3.00E-01	-0.800	0.400	0.000	0.310	7.300	195.8	37.68814	1409	52.16	84.8	353.569684	436.046096
54.2	3.00E-01	-0.800	0.400	0.000	0.310	8.200	195.8	39.47716	1410	52.16	86.2	352.755556	438.516865
54.2	3.00E-01	-0.800	0.400	0.000	0.310	6.700	195.8	38.42509	1407	52.16	85.9	350.931056	439.429342
54.1	2.00E-01	-0.800	0.300	0.000	0.232	8.400	195.8	40.31045	1411	52.16	86.7	361.853788	441.905771
54.1	2.00E-01	-0.700	0.300	0.000	0.232	3.400	195.8	41.3901	1409	52.16	85.6	369.235861	444.588889
54.1	3.00E-01	-0.700	0.300	0.000	0.257	7.600	195.8	41.351	1411	52.16	82.3	386.640153	445.133225
54.1	3.00E-01	-0.700	0.400	0.000	0.310	4.600	195.8	40.99721	1411	52.509	82.1	396.007358	444.234891
54.1	3.00E-01	-0.700	0.400	0.000	0.311	5.600	195.8	40.24	1410	52.16	81.4	394.837474	443.002703
54.1	3.00E-01	-0.700	0.400	0.000	0.287	6.000	195.8	39.21552	1412	52.16	82.5	394.262162	441.319979
54.2	2.00E-01	-0.700	0.300	0.000	0.233	4.700	195.8	37.47182	1412	52.16	82.8	384.257336	439.967974
54.2	2.00E-01	-0.700	0.300	0.000	0.233	9.700	195.8	36.24747	1413	52.16	80.6	386.129151	438.775855
54.3	2.00E-01	-0.700	0.300	0.000	0.234	8.400	195.8	35.94881	1414	52.16	81.8	386.535405	437.51516
54.3	2.00E-01	-0.700	0.300	0.000	0.234	12.800	195.8	35.04344	1413	52.16	83	387.342791	436.593516
54.2	2.00E-01	-0.700	0.300	0.000	0.211	7.300	195.8	34.85722	1412	52.16	82.3	379.745306	436.563889
54.2	2.00E-01	-0.700	0.200	0.000	0.156	7.700	195.8	34.95325	1412	52.16	81.6	379.514068	436.531858
54.2	2.00E-01	-0.700	0.200	0.000	0.156	7.100	195.8	33.87319	1415	52.271	82	377.637585	435.210532

0.26598	0.16507	3.12542	5294.811
0.26599	0.16522	3.12784	5300.843
0.266	0.16535	3.12995	5306.429
0.26602	0.16546	3.13226	5311.745
0.26603	0.16558	3.13449	5316.826
0.26604	0.16565	3.1366	5321.637
0.26606	0.1658	3.13863	5326.248
0.26608	0.16587	3.1406	5330.71
0.2661	0.166	3.1426	5335.148
0.26612	0.16608	3.14492	5339.852
0.26614	0.16619	3.14724	5345.284
0.26616	0.16633	3.14928	5351.476
0.26618	0.16642	3.15094	5357.968
0.2662	0.1666	3.15255	5364.625
0.26622	0.1667	3.15448	5371.497
0.26624	0.16685	3.15643	5378.428
0.26626	0.16694	3.15834	5385.139
0.26628	0.16708	3.16047	5391.693
0.2663	0.16721	3.16267	5397.934
0.26632	0.16729	3.16484	5404.042
0.26634	0.16744	3.16695	5410.086
0.26636	0.16752	3.16872	5415.992
0.26638	0.16768	3.17072	5421.819
0.2664	0.16779	3.17276	5427.533
0.26641	0.1679	3.17476	5433.148
0.26642	0.16803	3.17672	5438.625
0.26644	0.1681	3.17863	5443.97
0.26645	0.16827	3.18052	5449.283
0.26647	0.16837	3.18243	5454.716
0.26649	0.16853	3.18417	5460.292
0.2665	0.16864	3.18582	5465.964
0.26652	0.16877	3.1876	5471.78
0.26654	0.16893	3.18965	5477.828
0.26656	0.16906	3.19141	5483.876
0.26657	0.16922	3.19349	5490.15
0.26659	0.16929	3.19548	5496.697
0.26661	0.16944	3.19731	5503.185
0.26663	0.16953	3.19919	5509.361
0.26665	0.16964	3.2013	5515.371
0.26667	0.16975	3.20335	5521.122
0.26668	0.16983	3.2056	5526.646
0.26669	0.17	3.20782	5531.922
0.2667	0.17014	3.20959	5537.091
0.26671	0.17036	3.21094	5542.304
0.26672	0.17048	3.21251	5547.504
0.26673	0.17061	3.21405	5552.635
0.26674	0.17072	3.21554	5557.604

12:10:40.701	-13	0.00001	0.00008	0.00144	4.784	0.000462
12:10:41.701	-13	0.00001	0.00015	0.00154	4.633	0.000447
12:10:42.701	-13	0.00001	0.00008	0.00161	4.653	0.000449
12:10:43.701	-13	0.00001	0.00014	0.00138	4.557	0.00044
12:10:44.701	-13	0.00001	0.00011	0.00135	4.387	0.000424
12:10:45.701	-13	0.00001	0.00014	0.00157	4.37	0.000422
12:10:46.701	-13	0.00001	0.00015	0.00163	4.358	0.000421
12:10:47.701	-13	0.00001	0.00011	0.00162	4.326	0.000418
12:10:48.701	-13	0.00001	0.00015	0.00169	4.276	0.000413
12:10:49.701	-13	0.00001	0.00011	0.00186	4.208	0.000406
12:10:50.701	-13	0.00001	0.00018	0.00186	4.166	0.000402
12:10:51.701	-13	0.00001	0.00012	0.00185	4.117	0.000398
12:10:52.701	-13	0.00001	0.00015	0.00188	4.174	0.000403
12:10:53.701	-13	0.00001	0.00015	0.00195	4.348	0.00042
12:10:54.701	-13	0.00001	0.00015	0.00197	4.701	0.000454
12:10:55.701	-13	0.00001	0.00018	0.0018	4.884	0.000472
12:10:56.701	-13	0.00001	0.00012	0.00179	4.859	0.000469
12:10:57.701	-13	0	0.00006	0.00087	2.29	0.000221
12:10:58.701	-13	0.00001	0.00006	0.00135	4.299	0.000415
12:10:59.701	-13	0.00001	0.00012	0.00086	2.948	0.000285
12:11:00.701	-13	0.00001	0.00006	0.00037	0.947	0.000092
12:11:01.701	-13	0.00001	0.00004	0.00086	0.72	0.00007
12:11:02.701	-13	0.00001	0.00008	0.00305	1.217	0.000118
12:11:03.701	-13	0.00001	0.00003	0.00389	2.144	0.000208
12:11:04.701	-13	0.00001	0.00008	0.00273	2.498	0.000242
12:11:05.701	-13	0.00001	0.00006	0.0018	2.409	0.000233
12:11:06.701	-13	0.00001	0.00011	0.00158	2.162	0.000209
12:11:07.701	-13	0.00001	0.00014	0.00204	2.287	0.000221
12:11:08.701	-13	0.00001	0.00016	0.00201	2.637	0.000255
12:11:09.701	-13	0.00001	0.00021	0.00202	3.124	0.000302
12:11:10.701	-13	0.00001	0.0002	0.00213	3.594	0.000348
12:11:11.701	-13	0.00001	0.00023	0.00208	4.151	0.000401
12:11:12.701	-13	0.00001	0.00014	0.00208	4.729	0.000457
12:11:13.701	-13	0.00001	0.0002	0.00268	5.481	0.000529
12:11:14.701	-13	0.00002	0.00016	0.0022	6.016	0.000581
12:11:15.701	-13	0.00002	0.00019	0.00227	6.545	0.000632
12:11:16.701	-13	0.00002	0.00021	0.00211	6.919	0.000668
12:11:17.701	-13	0.00002	0.00015	0.00187	6.523	0.000629
12:11:18.701	-13	0.00002	0.00017	0.00171	5.221	0.000504
12:11:19.701	-13	0.00002	0.00014	0.00186	4.415	0.000427
12:11:20.701	-13	0.00002	0.00018	0.00254	4.355	0.000421
12:11:21.701	-13	0.00001	0.00013	0.00201	4.249	0.00041
12:11:22.701	-13	0.00001	0.0001	0.0015	3.811	0.000368
12:11:23.701	-13	0.00001	0.00012	0.00122	3.233	0.000312
12:11:24.701	-13	0.00001	0.00011	0.00128	2.746	0.000265
12:11:25.701	-13	0.00001	0.00016	0.00171	2.636	0.000255
12:11:26.701	-13	0.00001	0.00015	0.00158	2.524	0.000244

54.2	2.00E-01	-0.700	0.200	0.000	0.156	5.100	195.8	32.61862	1414	52.78	82.7	365.390173	433.394719
54.3	2.00E-01	-0.700	0.200	0.000	0.156	9.800	195.8	32.09315	1412	52.16	82.5	358.545211	431.612622
54.3	2.00E-01	-0.700	0.200	0.000	0.156	5.100	195.8	32.54651	1415	52.78	81.7	362.015601	430.407273
54.4	2.00E-01	-0.700	0.200	0.000	0.156	9.700	195.8	30.87053	1415	52.78	77.7	380.261053	427.033478
54.4	2.00E-01	-0.700	0.200	0.000	0.156	7.300		30.92168	1415	52.367	80.2	378.92625	423.105894
54.2	2.00E-01	-0.700	0.200	0.000	0.156	9.600		31.03121	1415	52.78	79.6	376.9357	420.698814
54.2	2.00E-01	-0.700	0.200	0.000	0.156	10.000		30.97519	1415	52.606	77.4	375.181928	418.33792
54.3	2.00E-01	-0.700	0.200	0.000	0.156	7.900		30.41144	1414	52.78	76.9	376.236667	416.319529
54.3	2.00E-01	-0.700	0.200	0.000	0.156	10.700		30.79641	1415	52.78	76.3	374.014085	413.239612
54.3	2.00E-01	-0.600	0.200	0.000	0.156	7.700	195.8	30.01713	1412	52.619	76.7	375.81509	410.705579
54.3	2.00E-01	-0.600	0.200	0.000	0.156	12.600	195.8	30.07604	1414	52.375	76.6	375.32	408.154518
54.3	2.00E-01	-0.600	0.200	0.000	0.157	8.300	195.8	30.1886	1412	52.16	75.6	373.666216	405.88736
54.3	2.00E-01	-0.600	0.200	0.000	0.157	10.600	195.8	30.82542	1410	52.502	78.9	379.099138	404.7
54.2	2.00E-01	-0.600	0.200	0.000	0.157	10.300	195.8	31.71333	1409	52.16	83.8	378.303106	405.835484
54.2	2.00E-01	-0.600	0.200	0.000	0.156	9.300	195.8	33.66107	1409	52.16	82.5	379.702714	408.776401
54.2	2.00E-01	-0.600	0.200	0.000	0.156	11.400	195.8	34.35543	1409	52.16	82.3	379.498182	410.4
54.2	2.00E-01	-0.600	0.200	0.000	0.156	7.200	195.8	34.15489	1412	52.16	81.7	382.311283	410.94715
54.1	2.00E-01	-0.700	0.200	0.000	0.156	7.900	195.8	16.52355	1399	52.16	13.7	371.775094	400.007835
53.9	2.00E-01	-0.700	0.200	0.000	0.159	3.400	195.7	27.80765	1379	51.459	0	361.8575	375.52413
53.3	2.00E-01	-0.800	0.200	0.000	0.164	5.800	195.4	46.27242	1359	50.3	1.1	357.685029	346.378947
53	2.00E-01	-0.900	0.200	0.000	0.167	4.100	195	38.3905	1350	49.68	9.3	350.506923	321.757594
52	2.00E-01	-1.000	0.200	0.000	0.168	2.900	194.6	19.9262	1336	49.68	26	346.391892	310.215833
51.8	2.00E-01	-1.000	0.200	0.000	0.166	5.900	194.3	30.07012	1332	49.68	70.7	350.553578	316.332013
51.1	2.00E-01	-1.100	0.200	0.000	0.163	2.000		29.63911	1331	49.68	62.8	351.135273	328.792
51.1	2.00E-01	-1.100	0.200	0.000	0.161	6.800		26.23035	1330	49.459	41.4	354.275862	331.80084
51.2	2.00E-01	-1.000	0.200	0.000	0.160	5.100		21.1039	1327	49.06	55.3	353.376087	331.084318
51.1	2.00E-01	-1.000	0.200	0.000	0.161	10.300		22.6804	1323	49.06	52.5	352.840937	330.9
50.9	2.00E-01	-0.900	0.200	0.000	0.184	13.100		23.1977	1320	49.06	63.1	353.345056	332.530512
50.8	2.00E-01	-0.700	0.300	0.000	0.239	13.700	192.2	24.69726	1319	49.06	62.8	352.623574	334.609951
50.5	2.00E-01	-0.500	0.300	0.000	0.238	16.200	192.2	26.69356	1319	49.06	67.5	353.57551	337.782745
50.5	2.00E-01	-0.500	0.300	0.000	0.237	14.000	192.2	29.68956	1320	49.06	70.2	353.125612	343.295765
50.5	2.00E-01	-0.500	0.300	0.000	0.237	14.900	192.2	33.16325	1315	49.06	82.5	356.095256	349.947219
50.5	2.00E-01	-0.500	0.300	0.000	0.236	8.500	192.2	35.18953	1318	49.06	80.2	357.397547	360.793981
50.5	2.00E-01	-0.500	0.300	0.000	0.234	10.800	192.3	39.51587	1320	49.06	82.3	359.162736	374.094308
50.5	2.00E-01	-0.400	0.300	0.000	0.233	8.500	192.7	40.63577	1320	49.06	83.8	359.947986	385.915697
50.5	2.00E-01	-0.400	0.300	0.000	0.233	9.100	193.1	43.63907	1323	49.06	87.8	358.948397	399.044614
50.6	2.00E-01	-0.400	0.300	0.000	0.232	9.900	193.5	45.17388	1328	49.06	83.6	366.463243	408.735444
50.9	3.00E-01	-0.400	0.400	0.000	0.310	7.600	193.9	41.86286	1327	49.06	75.9	372.911579	413.466376
50.9	3.00E-01	-0.400	0.400	0.000	0.312	10.000	194	33.09856	1325	49.06	72.7	373.695892	408.480814
51	3.00E-01	-0.400	0.400	0.000	0.314	8.600	194	29.856	1318	49.06	80.7	369.522837	402.206318
50.9	3.00E-01	-0.400	0.400	0.000	0.314	11.400	194	32.48163	1315	49.06	83.3	372.832618	403.678451
50.6	3.00E-01	-0.400	0.400	0.000	0.313	9.300	194	31.64583	1311	48.44	80.2	379.565729	406.605863
50.5	3.00E-01	-0.400	0.400	0.000	0.312	7.800	194	25.6045	1304	48.44	68	381.381887	404.083525
50.3	3.00E-01	-0.400	0.400	0.000	0.313	11.000	194	22.29206	1293	48.145	56	376.277299	395.235072
50.3	3.00E-01	-0.400	0.400	0.000	0.315	10.700	194	21.62221	1284	47.82	53.1	370.165975	385.11549
50.1	3.00E-01	-0.400	0.400	0.000	0.316	15.200	194	22.27346	1274	47.2	38	366.27179	374.570847
49.3	3.00E-01	-0.400	0.400	0.000	0.318	14.200	194	21.97673	1258	46.58	37.2	359.039615	361.930619

0.26675	0.1708	3.21698	5562.388
0.26676	0.17095	3.21852	5567.021
0.26677	0.17103	3.22013	5571.674
0.26678	0.17117	3.22151	5576.231
0.26679	0.17128	3.22286	5580.618
0.2668	0.17142	3.22443	5584.988
0.26681	0.17157	3.22606	5589.346
0.26682	0.17168	3.22768	5593.672
0.26683	0.17183	3.22937	5597.948
0.26684	0.17194	3.23123	5602.156
0.26685	0.17212	3.23309	5606.322
0.26686	0.17224	3.23494	5610.439
0.26687	0.17239	3.23682	5614.613
0.26688	0.17254	3.23877	5618.961
0.26689	0.17269	3.24074	5623.662
0.2669	0.17287	3.24254	5628.546
0.26691	0.17299	3.24433	5633.405
0.26691	0.17305	3.2452	5635.695
0.26692	0.17311	3.24655	5639.994
0.26693	0.17323	3.24741	5642.942
0.26694	0.17329	3.24778	5643.889
0.26695	0.17333	3.24864	5644.609
0.26696	0.17341	3.25169	5645.826
0.26697	0.17344	3.25558	5647.97
0.26698	0.17352	3.25831	5650.468
0.26699	0.17358	3.26011	5652.877
0.267	0.17369	3.26169	5655.039
0.26701	0.17383	3.26373	5657.326
0.26702	0.17399	3.26574	5659.963
0.26703	0.1742	3.26776	5663.087
0.26704	0.1744	3.26989	5666.681
0.26705	0.17463	3.27197	5670.832
0.26706	0.17477	3.27405	5675.561
0.26707	0.17497	3.27673	5681.042
0.26709	0.17513	3.27893	5687.058
0.26711	0.17532	3.2812	5693.603
0.26713	0.17553	3.28331	5700.522
0.26715	0.17568	3.28518	5707.045
0.26717	0.17585	3.28689	5712.266
0.26719	0.17599	3.28875	5716.681
0.26721	0.17617	3.29129	5721.036
0.26722	0.1763	3.2933	5725.285
0.26723	0.1764	3.2948	5729.096
0.26724	0.17652	3.29602	5732.329
0.26725	0.17663	3.2973	5735.075
0.26726	0.17679	3.29901	5737.711
0.26727	0.17694	3.30059	5740.235

12:11:27.701	-13	0.00001	0.00015	0.00095	2.265	0.000219
12:11:28.701	-13	0.00001	0.00014	0.00124	2.074	0.000201
12:11:29.701	-13	0.00001	0.00014	0.00171	2.322	0.000225
12:11:30.701	-13	0.00001	0.00019	0.00206	3.125	0.000302
12:11:31.701	-13	0.00001	0.00015	0.00234	3.82	0.000369
12:11:32.701	-13	0.00002	0.00019	0.00196	4.179	0.000404
12:11:33.701	-13	0.00002	0.00011	0.00171	4.211	0.000407
12:11:34.701	-13	0.00002	0.00014	0.00181	4.136	0.0004
12:11:35.701	-13	0.00002	0.00011	0.00217	4.203	0.000406
12:11:36.701	-13	0.00002	0.0001	0.00293	5.1	0.000493
12:11:37.701	-13	0.00002	0.00018	0.00425	7.88	0.00076
12:11:38.701	-13	0.00003	0.00019	0.00605	9.914	0.000957
12:11:39.701	-13	0.00003	0.00025	0.00357	8.727	0.000842
12:11:40.701	-13	0.00003	0.00011	0.00336	6.569	0.000634
12:11:41.701	-13	0.00002	0.00016	0.0029	5.302	0.000512
12:11:42.701	-13	0.00002	0.00009	0.00203	3.873	0.000374
12:11:43.701	-13	0.00002	0.0001	0.00274	3.972	0.000384
12:11:44.701	-13	0.00003	0.00018	0.00368	6.065	0.000586
12:11:45.701	-13	0.00003	0.00021	0.00462	8.435	0.000814
12:11:46.701	-13	0.00003	0.00023	0.00434	9.141	0.000882
12:11:47.701	-13	0.00003	0.00013	0.0039	7.736	0.000747
12:11:48.701	-13	0.00003	0.00015	0.0045	7.767	0.00075
12:11:49.701	-13	0.00003	0.00015	0.00443	7.954	0.000768
12:11:50.701	-13	0.00003	0.00014	0.0035	7.38	0.000712
12:11:51.701	-13	0.00003	0.00017	0.00295	6.916	0.000668
12:11:52.701	-13	0.00004	0.0002	0.00307	7.568	0.000731
12:11:53.701	-13	0.00004	0.00028	0.00282	7.558	0.000729
12:11:54.701	-13	0.00003	0.00005	0.0023	6.128	0.000592
12:11:55.701	-13	0.00003	0.00011	0.00199	4.641	0.000448
12:11:56.701	-13	0.00002	0.00007	0.00064	2.37	0.000229
12:11:57.701	-13	0.00001	0.00009	0.00098	1.786	0.000173
12:11:58.701	-13	0.00001	0.00011	0.00116	1.687	0.000163
12:11:59.701	-13	0.00001	0.00007	0.00082	0.893	0.000087
12:12:00.701	-13	0.00002	0.00014	0.00145	0.995	0.000097
12:12:01.701	-13	0.00001	0.00006	0.0012	0.538	0.000052
12:12:02.701	-13	0.00001	0.0001	0.0008	0.482	0.000047
12:12:03.701	-13	0.00001	0.00006	0.00083	0.318	0.000031
12:12:04.701	-13	0.00001	0.00009	0.00161	0.522	0.000051
12:12:05.701	-13	0.00003	0.00017	0.00292	0.962	0.000094
12:12:06.701	-13	0.00003	0.00016	0.00466	2.827	0.000274
12:12:07.701	-13	0.00004	0.00022	0.00688	5.245	0.000508
12:12:08.701	-13	0.00007	0.00014	0.00407	6.301	0.000609
12:12:09.701	-13	0.00007	0.00018	0.00288	6.686	0.000646
12:12:10.701	-13	0.00003	0.00007	0.00136	3.487	0.000337
12:12:11.701	-13	0.00002	0.00002	0.00084	1.749	0.000169
12:12:12.701	-13	0.00002	0.00002	0.00081	1.352	0.000131
12:12:13.701	-13	0.00001	0.00002	0.00054	0.96	0.000093

48.6	2.00E-01	-0.400	0.300	0.000	0.240	14.700
48.4	2.00E-01	-0.400	0.300	0.000	0.241	14.300
47.6	2.00E-01	-0.400	0.300	0.000	0.241	12.800
47.5	3.00E-01	-0.400	0.400	0.000	0.318	14.200
47.3	3.00E-01	-0.400	0.400	0.000	0.315	10.200
47.2	3.00E-01	-0.400	0.400	0.000	0.314	12.800
47	3.00E-01	-0.500	0.400	0.000	0.314	7.300
47	3.00E-01	-0.500	0.400	0.000	0.314	9.700
47	3.00E-01	-0.600	0.400	0.000	0.314	7.400
47	3.00E-01	-0.600	0.400	0.000	0.312	5.600
47	3.00E-01	-0.600	0.400	0.000	0.308	7.700
47.2	3.00E-01	-0.400	0.400	0.000	0.307	6.900
48	3.00E-01	-0.300	0.400	0.000	0.333	9.400
48.3	4.00E-01	-0.400	0.500	0.000	0.390	5.300
49.3	4.00E-01	-0.400	0.500	0.000	0.391	8.700
49.3	4.00E-01	-0.400	0.500	0.000	0.393	6.600
49.5	4.00E-01	-0.500	0.500	0.000	0.394	6.900
49.4	4.00E-01	-0.600	0.500	0.000	0.390	9.200
49.1	4.00E-01	-0.700	0.500	0.000	0.386	8.200
49.3	4.00E-01	-0.700	0.500	0.000	0.386	8.700
50.1	4.00E-01	-0.700	0.500	0.000	0.387	5.400
50.3	4.00E-01	-0.700	0.500	0.000	0.388	6.300
51.1	4.00E-01	-0.700	0.500	0.000	0.387	6.200
51.2	4.00E-01	-0.700	0.500	0.000	0.388	5.900
51.6	4.00E-01	-0.600	0.500	0.000	0.389	7.800
51.7	5.00E-01	-0.600	0.600	0.000	0.466	8.600
52.1	5.00E-01	-0.500	0.600	0.000	0.465	12.100
52.2	5.00E-01	-0.500	0.600	0.000	0.467	2.500
52.7	5.00E-01	-0.500	0.600	0.000	0.470	6.500
52.6	5.00E-01	-0.500	0.600	0.000	0.478	7.300
52.2	5.00E-01	-0.500	0.600	0.000	0.461	8.900
51.8	4.00E-01	-0.500	0.500	0.000	0.408	10.300
50.6	4.00E-01	-0.500	0.500	0.000	0.413	9.200
50.2	4.00E-01	-0.500	0.500	0.000	0.416	12.900
48.9	4.00E-01	-0.500	0.500	0.000	0.418	7.100
48.4	4.00E-01	-0.500	0.500	0.000	0.420	10.400
46.8	4.00E-01	-0.500	0.500	0.000	0.421	8.500
46.1	4.00E-01	-0.500	0.500	0.000	0.420	9.500
43.7	5.00E-01	-0.500	0.600	0.000	0.503	10.900
43.1	5.00E-01	-0.500	0.600	0.000	0.491	8.200
41.2	6.00E-01	-0.500	0.700	0.000	0.554	9.900
41.1	9.00E-01	-0.400	1.100	0.000	0.865	6.000
40.7	9.00E-01	-0.400	1.100	0.000	0.862	8.000
40.8	9.00E-01	-0.400	1.100	0.000	0.863	5.500
41.3	9.00E-01	-0.400	1.100	0.000	0.867	3.400
41	8.00E-01	-0.400	1.000	0.000	0.798	3.000
40	8.00E-01	-0.400	1.000	0.000	0.810	3.900

194	21.73131	1248	46.015	38.1	354.521785	352.182308
194	21.44	1235	45.95	51.7	351.558077	345.964364
194	23.0988	1233	45.394	72.7	349.789394	345.624633
194	27.28385	1225	45.33	76.3	350.065625	350.773041
194	29.2195	1227	45.33	73.2	351.956455	356.733778
194	30.19839	1225	45.33	72.6	351.4775	362.469155
194	29.60718	1225	45.33	73.8	351.110338	366.817353
194	30.08819	1225	45.33	76.4	351.168491	371.780357
194	31.18808	1222	45.33	78.2	350.592917	376.794693
194	41.71764	1227	45.33	89	347.80188	388.99316
194	55.5996	1244	46.266	96.8	347.388899	412.800587
194	61.86883	1266	46.866	88.9	347.941132	431.956778
194	51.76375	1277	47.2	82.3	346.735417	439.821691
194	42.99319	1291	47.82	75.7	348.625714	437.190515
194	36.70055	1291	47.82	69.8	346.533004	431.626889
194.2	24.2434	1287	47.82	70.4	351.812718	422.178028
194.5	30.626	1286	47.82	82.2	358.177378	414.518677
194.9	45.43701	1286	47.82	87.2	361.420548	425.436521
195.3	54.37562	1299	48.44	86.4	368.57771	443.057498
195.7	59.15509	1316	49.06	83.2	369.647106	454.276181
196	49.47444	1327	49.06	87.4	369.236743	456.841625
196.4	50.907	1336	49.68	87.8	370.002917	459.5824
196.8	52.26714	1348	49.751	84.4	371.084375	462.810515
197.1	47.5112	1356	50.3	81.6	383.731343	462.851209
197.5	45.38512	1361	50.3	86.9	385.339583	460.154254
	49.02476	1368	50.92	85.3	385.602911	461.359
	48.04426	1371	50.92	77.4	385.845214	461.359202
	42.81583	1373	50.92	76.3	380.702183	455.310431
	26.55605	1367	50.92	44.3	379.09375	441.7
	25.77126	1348	50.114	15.1	368.20501	413.065
197.3	11.33132	1329	49.495	18.8	359.108125	389.563089
197	23.15435	1308	48.44	18	351.438125	369.407639
196.6	15.038	1284	47.641	4.7	343.961245	350.4475
196.2	26.7845	1263	47.028	0.1	338.448795	335.699674
195.9	21.89556	1240	46.065	7.8	332.625	322.11068
195.5	23.42567	1204	44.42	8.3	326.044316	310.651333
195.1	10.65709	1165	43.137	1.9	321.182129	301.266601
194.7	23.09771	1127	41.872	15.8	316.814493	293.48638
194.3	29.50535	1377	40.402	79.5	323.835838	296.982845
194	47.38142	1289	39.74	78.5	330.99	324.783333
194	46.23669	1289	39.74	78.9	339.285	353.374283
194	46.11114	1289	39.74	79.1	342.303125	373.891957
194	46.57533	1300	39.74	76.7	343.911639	390.251111
194	29.03947	1285	39.74	39.6	349.512929	393.356026
194	10.79129	1263	39.12	2.9	350.338531	370.124759
194	11.40484	1234	37.88	0	345.7475	350.927706
194	11.10826	1218	37.26	0	341.409798	336.54337

0.26728	0.17709	3.30154	5742.5
0.26729	0.17723	3.30278	5744.574
0.2673	0.17737	3.30449	5746.896
0.26731	0.17756	3.30655	5750.021
0.26732	0.17771	3.30889	5753.841
0.26734	0.1779	3.31085	5758.02
0.26736	0.17801	3.31256	5762.231
0.26738	0.17815	3.31437	5766.367
0.2674	0.17826	3.31654	5770.57
0.26742	0.17836	3.31947	5775.67
0.26744	0.17854	3.32372	5783.55
0.26747	0.17873	3.32977	5793.464
0.2675	0.17898	3.33334	5802.191
0.26753	0.17909	3.3367	5808.76
0.26755	0.17925	3.3396	5814.062
0.26757	0.17934	3.34163	5817.935
0.26759	0.17944	3.34437	5821.907
0.26762	0.17962	3.34805	5827.972
0.26765	0.17983	3.35267	5836.407
0.26768	0.18006	3.35701	5845.548
0.26771	0.18019	3.36091	5853.284
0.26774	0.18034	3.36541	5861.051
0.26777	0.18049	3.36984	5869.005
0.2678	0.18063	3.37334	5876.385
0.26783	0.1808	3.37629	5883.301
0.26787	0.181	3.37936	5890.869
0.26791	0.18128	3.38218	5898.427
0.26794	0.18133	3.38448	5904.555
0.26797	0.18144	3.38647	5909.196
0.26799	0.18151	3.38711	5911.566
0.268	0.1816	3.38809	5913.352
0.26801	0.18171	3.38925	5915.039
0.26802	0.18178	3.39007	5915.932
0.26804	0.18192	3.39152	5916.927
0.26805	0.18198	3.39272	5917.465
0.26806	0.18208	3.39352	5917.947
0.26807	0.18214	3.39435	5918.265
0.26808	0.18223	3.39596	5918.787
0.26811	0.1824	3.39888	5919.749
0.26814	0.18256	3.40354	5922.576
0.26818	0.18278	3.41042	5927.821
0.26825	0.18292	3.41449	5934.122
0.26832	0.1831	3.41737	5940.808
0.26835	0.18317	3.41873	5944.295
0.26837	0.18319	3.41957	5946.044
0.26839	0.18321	3.42038	5947.396
0.2684	0.18323	3.42092	5948.356

12:12:14.701	-13	0.00001	0.00004	0.00067	0.643	0.000062
12:12:15.701	-13	0.00001	0.00003	0.0006	0.434	0.000042
12:12:16.701	-13	0.00001	0.00005	0.00069	0.297	0.000029
12:12:17.701	-13	0.00001	0.00003	0.00064	0.221	0.000022
12:12:18.701	-13	0.00001	0.00004	0.00053	0.179	0.000017
12:12:19.701	-13	0.00001	0.00004	0.00068	0.153	0.000015
12:12:20.701	-13	0.00001	0.00003	0.00082	0.142	0.000014
12:12:21.701	-13	0.00001	0.00006	0.00084	0.129	0.000013
12:12:22.701	-13	0.00001	0.00003	0.00082	0.118	0.000012
12:12:23.701	-13	0.00001	0.00003	0.00066	0.103	0.00001
12:12:24.701	-13	0.00001	0.00002	0.0005	0.092	0.000009
12:12:25.701	-13	0.00001	0.00003	0.00059	0.094	0.000009
12:12:26.701	-13	0.00001	0.00003	0.00058	0.084	0.000008
12:12:27.701	-13	0.00001	0.00001	0.0006	0.078	0.000008
12:12:28.701	-13	0.00001	0.00004	0.0005	0.071	0.000007
12:12:29.701	-13	0.00001	0.00002	0.00046	0.07	0.000006
12:12:30.701	-13	0.00001	0.00004	0.00047	0.067	0.000007
12:12:31.701	-13	0.00001	0.00004	0.0007	0.099	0.00001
12:12:32.701	-13	0.00001	0.00006	0.00085	0.127	0.000012
12:12:33.701	-13	0.00001	0.0001	0.00105	0.214	0.000021
12:12:34.701	-13	0.00001	0.00005	0.00103	0.216	0.000021
12:12:35.701	-13	0.00001	0.00009	0.00168	0.353	0.000034
12:12:36.701	-13	0.00001	0.00004	0.00181	0.575	0.000056
12:12:37.701	-13	0.00001	0.00008	0.0013	0.625	0.000061
12:12:38.701	-13	0.00001	0.00006	0.00123	0.599	0.000058
12:12:39.701	-13	0.00001	0.00007	0.00113	0.536	0.000052
12:12:40.701	-13	0.00001	0.00006	0.00119	0.535	0.000052
12:12:41.701	-13	0.00001	0.00004	0.00157	0.617	0.00006
12:12:42.701	-13	0.00001	0.00008	0.00193	0.792	0.000077
12:12:43.701	-13	0.00001	0.00003	0.00204	1.082	0.000105
12:12:44.701	-13	0.00002	0.00009	0.00303	1.497	0.000145
12:12:45.701	-13	0.00002	0.00008	0.00503	2.784	0.00027
12:12:46.701	-13	0.00003	0.00012	0.00471	4.112	0.000398
12:12:47.701	-13	0.00002	0.00007	0.00215	2.729	0.000264
12:12:48.701	-13	0.00001	0.00005	0.00141	1.929	0.000187
12:12:49.701	-13	0.00001	0.00006	0.00121	1.426	0.000138
12:12:50.701	-13	0.00001	0.00003	0.00095	1.07	0.000104
12:12:51.701	-13	0.00002	0.00013	0.00227	1.684	0.000163
12:12:52.701	-13	0.00003	0.00012	0.00628	3.469	0.000336
12:12:53.701	-13	0.00003	0.00016	0.00712	5.411	0.000524
12:12:54.701	-13	0.00005	0.00026	0.0072	8.428	0.000815
12:12:55.701	-13	0.00008	0.00042	0.00888	14.556	0.001407
12:12:56.701	-13	0.0001	0.00069	0.00708	16.833	0.001626
12:12:57.701	-13	0.00013	0.00029	0.00776	19.17	0.001852
12:12:58.701	-13	0.00026	0.00055	0.00915	17.598	0.001701
12:12:59.701	-13	0.00043	0.0003	0.0094	16.67	0.001611
12:13:00.701	-13	0.00045	0.00032	0.00779	15.072	0.001456

39.7	8.00E-01	-0.400	1.000	0.000	0.822	7.600
38.6	6.00E-01	-0.500	0.800	0.000	0.640	6.200
38.4	6.00E-01	-0.600	0.700	0.000	0.561	9.500
37.6	4.00E-01	-0.700	0.500	0.000	0.421	6.300
37.4	4.00E-01	-0.800	0.500	0.000	0.422	7.600
36.9	4.00E-01	-0.800	0.500	0.000	0.423	8.400
36.5	4.00E-01	-0.800	0.500	0.000	0.423	5.100
35.3	4.00E-01	-0.800	0.500	0.000	0.424	10.900
34.7	3.00E-01	-0.800	0.400	0.000	0.339	5.200
32.9	3.00E-01	-0.800	0.400	0.000	0.339	6.800
32.3	3.00E-01	-0.800	0.400	0.000	0.339	3.400
30.5	3.00E-01	-0.800	0.400	0.000	0.339	5.800
30.5	3.00E-01	-0.800	0.400	0.000	0.340	5.400
29.4	3.00E-01	-0.800	0.400	0.000	0.340	3.000
25.1	3.00E-01	-0.800	0.400	0.000	0.339	8.000
22.2	3.00E-01	-0.800	0.400	0.000	0.339	4.300
20.8	3.00E-01	-0.800	0.400	0.000	0.339	8.700
16.5	3.00E-01	-0.800	0.400	0.000	0.339	5.300
15.8	3.00E-01	-0.800	0.400	0.000	0.339	7.600
13.6	3.00E-01	-0.800	0.400	0.000	0.339	9.300
13.1	3.00E-01	-0.700	0.400	0.000	0.338	7.800
11.5	3.00E-01	-0.700	0.400	0.000	0.337	11.000
11.2	3.00E-01	-0.700	0.400	0.000	0.334	5.200
10.1	3.00E-01	-0.700	0.400	0.000	0.333	10.600
9.8	3.00E-01	-0.700	0.400	0.000	0.334	7.400
8.9	3.00E-01	-0.700	0.400	0.000	0.335	8.600
8.3	3.00E-01	-0.700	0.400	0.000	0.335	7.200
6.6	3.00E-01	-0.700	0.400	0.000	0.334	5.100
6.2	4.00E-01	-0.700	0.400	0.000	0.356	9.700
4.8	4.00E-01	-0.700	0.500	0.000	0.414	3.200
4.9	4.00E-01	-0.700	0.500	0.000	0.412	7.800
5.2	4.00E-01	-0.700	0.500	0.000	0.407	4.600
6	4.00E-01	-0.700	0.500	0.000	0.402	6.300
8.4	4.00E-01	-0.700	0.500	0.000	0.400	6.100
8.9	4.00E-01	-0.600	0.500	0.000	0.401	5.700
10.5	4.00E-01	-0.600	0.500	0.000	0.405	7.700
10.2	4.00E-01	-0.600	0.500	0.000	0.410	4.200
9.1	4.00E-01	-0.600	0.500	0.000	0.412	9.600
9	4.00E-01	-0.700	0.500	0.000	0.408	5.400
8.7	4.00E-01	-0.700	0.500	0.000	0.400	6.600
9.8	5.00E-01	-0.600	0.600	0.000	0.476	7.600
13.2	5.00E-01	-0.500	0.600	0.000	0.473	7.800
14.4	5.00E-01	-0.300	0.600	0.000	0.472	11.300
18.4	6.00E-01	0.000	0.700	0.024	0.551	4.300
20.4	1.20E+00	0.900	0.700	0.694	0.550	8.800
26.8	2.20E+00	2.000	0.800	1.588	0.628	5.200
28.3	2.60E+00	2.400	0.900	1.905	0.705	6.100

194	10.65547	1194	36.64	0	337.797273	324.291437
194	10.26515	1184	36.02	0	335.300624	313.028922
193.8	10.15871	1164	36.02	0	333.351458	303.723236
193.4	10.07069	1162	35.876	0	323.548849	294.695264
193	9.90129	1143	35.188	0	320.5648	287.059278
192.6	9.96653	1119	34.488	0	312.230925	280.841557
192.2	10.9608	1249	33.194	0	309.017	274.546817
192.2	11.10031	1267	31.979	0	306.034012	268.233929
192.2	10.71454	1233	31.365	0	304.473958	263.001595
192.2	10.54498	1185	30.104	0	302.679124	258.172131
192.2	9.88143	1113	27.907	0	297.788391	253.793
192.2	10.3895	1175	26.036	0	296.109812	249.967
191.9	9.96337	1133	23.557	0	293.82547	245.8995
191.5	10.30575	1220	22.023	0	292.298958	242.740099
191.2	9.86986	1133	19.81	0	292.303681	239.720795
190.8	9.03717	1064	16.716	0	289.004	236.944444
190.4	9.61044	1120	15.193	1.6	287.333333	234.01
	11.39774	974	13.949	17.4	286.094676	231.488079
	16.66436	942	12.725	7.7	286.019898	228.311508
	23.02608	1320	11.8	37.6	286.335455	226.661105
	11.61008	1280	11.18	37.9	284.860833	228.887885
	17.5096	962	10.56	14	287.140982	227.435138
	14.97642	898	9.627	13.8	285.888565	224.297793
	15.28044	836	8.69	19.1	284.367188	221.462238
	15.65196	800	7.756	27.9	285.65697	220.2
	16.18086	811	6.201	34.9	282.377143	221.498113
	17.03589	838	4.97	33.8	285.967708	225.107669
190.4	16.17602	824	4.35	30.4	287.531771	227.3
190.4	16.60504	813	3.73	30.1	287.4475	227.5002
190.4	20.47693	1046	4.065	58.5	287.703445	230.706372
190.4	23.00024	1212	4.68	57	289.616265	240.012263
190.4	33.84318	1529	6.539	63.9	295.445938	253.769461
190.4	41.9143	1811	8.403	54.6	305.397303	269.631082
190.4	23.60182	1316	9.624	36.4	311.744389	274.408696
190.4	20.14433	1028	9.31	19.6	309.161088	267.187474
190.4	20.77267	914	8.868	10.1	311.309634	256.766149
190.4	16.03592	810	7.568	19.4	315.376316	247.616377
190.4	28.46237	1045	7.45	40	311.75888	248.182064
190.4	56.35899	1647	9.206	68.8	314.517019	269.5354
190.4	49.8718	1738	11.179	82.7	327.226179	294.394772
190.4	59.43926	1888	13.255	80	332.575915	315.806786
190.4	122.40644	2228	15.737	71.1	335.934879	355.453846
190.4	119.96675	2376	19.945	77.1	344.94707	391.7
190.4	142.80711	2548	23.596	78.9	345.320112	419.960888
190.4	140.47751	2486	27.517	80.1	331.779346	442.130146
190.4	129.9397	2250	30.899	81.8	330.744519	455.533497
190.5	107.32965	1931	33.32	83.5	332.509615	460.937978

0.26841	0.18327	3.42159	5948.999
0.26842	0.1833	3.42219	5949.433
0.26843	0.18335	3.42288	5949.73
0.26844	0.18338	3.42352	5949.951
0.26845	0.18342	3.42405	5950.13
0.26846	0.18346	3.42473	5950.283
0.26847	0.18349	3.42555	5950.425
0.26848	0.18355	3.42639	5950.554
0.26849	0.18358	3.42721	5950.672
0.2685	0.18361	3.42787	5950.775
0.26851	0.18363	3.42837	5950.867
0.26852	0.18366	3.42896	5950.961
0.26853	0.18369	3.42954	5951.045
0.26854	0.1837	3.43014	5951.123
0.26855	0.18374	3.43064	5951.194
0.26856	0.18376	3.4311	5951.264
0.26857	0.1838	3.43157	5951.331
0.26858	0.18384	3.43227	5951.43
0.26859	0.1839	3.43312	5951.557
0.2686	0.184	3.43417	5951.771
0.26861	0.18405	3.4352	5951.987
0.26862	0.18414	3.43688	5952.34
0.26863	0.18418	3.43869	5952.915
0.26864	0.18426	3.43999	5953.54
0.26865	0.18432	3.44122	5954.139
0.26866	0.18439	3.44235	5954.675
0.26867	0.18445	3.44354	5955.21
0.26868	0.18449	3.44511	5955.827
0.26869	0.18457	3.44704	5956.619
0.2687	0.1846	3.44908	5957.701
0.26872	0.18469	3.45211	5959.198
0.26874	0.18477	3.45714	5961.982
0.26877	0.18489	3.46185	5966.094
0.26879	0.18496	3.464	5968.823
0.2688	0.18501	3.46541	5970.752
0.26881	0.18507	3.46662	5972.178
0.26882	0.1851	3.46757	5973.248
0.26884	0.18523	3.46984	5974.932
0.26887	0.18535	3.47612	5978.401
0.2689	0.18551	3.48324	5983.812
0.26895	0.18577	3.49044	5992.24
0.26903	0.18619	3.49932	6006.796
0.26913	0.18688	3.5064	6023.629
0.26926	0.18717	3.51416	6042.799
0.26952	0.18772	3.52331	6060.397
0.26995	0.18802	3.53271	6077.067
0.2704	0.18834	3.5405	6092.139

12:13:01.701	-13	0.00049	0.00037	0.00818	16.299	0.001574
12:13:02.701	-13	0.00051	0.00033	0.00764	16.824	0.001625
12:13:03.701	-13	0.00048	0.00044	0.0064	15.115	0.00146
12:13:04.701	-13	0.00036	0.00014	0.00638	10.886	0.001052
12:13:05.701	-13	0.00035	0.00023	0.00678	11.785	0.001139
12:13:06.701	-13	0.00017	0.0001	0.00292	6.294	0.000608
12:13:07.701	-13	0.00007	0.00007	0.00126	3.054	0.000295
12:13:08.701	-13	0.00003	0.00003	0.00112	1.878	0.000182
12:13:09.701	-13	0.00002	0.00003	0.00096	1.704	0.000165
12:13:10.701	-13	0.00001	0.00006	0.00066	1.382	0.000134
12:13:11.701	-13	0.00001	0.00005	0.00042	0.897	0.000087
12:13:12.701	-13	0.00001	0.00005	0.00039	0.543	0.000053
12:13:13.701	-13	0.00001	0.00003	0.00055	0.36	0.000035
12:13:14.701	-13	0.00001	0.00004	0.00054	0.258	0.000025
12:13:15.701	-13	0.00001	0.00004	0.00078	0.198	0.000019
12:13:16.701	-13	0.00001	0.00004	0.00073	0.159	0.000015
12:13:17.701	-13	0.00001	0.00005	0.00064	0.141	0.000014
12:13:18.701	-13	0.00002	0.00006	0.00143	0.255	0.000025
12:13:19.701	-13	0.00002	0.0001	0.00163	0.275	0.000027
12:13:20.701	-13	0.00002	0.00007	0.00272	0.626	0.000061
12:13:21.701	-13	0.00002	0.00012	0.00309	1.086	0.000106
12:13:22.701	-13	0.00002	0.00012	0.00243	1.245	0.000121
12:13:23.701	-13	0.00002	0.00012	0.00228	1.358	0.000132
12:13:24.701	-13	0.00002	0.00016	0.00265	1.914	0.000186
12:13:25.701	-13	0.00002	0.00011	0.00276	2.38	0.000231
12:13:26.701	-13	0.00002	0.00018	0.00171	2.545	0.000246
12:13:27.701	-13	0.00002	0.00014	0.00239	2.981	0.000288
12:13:28.701	-13	0.00002	0.00019	0.00285	3.39	0.000328
12:13:29.701	-13	0.00002	0.0002	0.0026	3.869	0.000374
12:13:30.701	-13	0.00003	0.00018	0.00225	4.26	0.000412
12:13:31.701	-13	0.00003	0.00019	0.00223	4.372	0.000423
12:13:32.701	-13	0.00003	0.0001	0.00187	4.253	0.000411
12:13:33.701	-13	0.00002	0.00014	0.00202	4.166	0.000403
12:13:34.701	-13	0.00002	0.00011	0.00207	4.19	0.000405
12:13:35.701	-13	0.00003	0.00017	0.00201	4.525	0.000437
12:13:36.701	-13	0.00003	0.00019	0.00208	4.942	0.000478
12:13:37.701	-13	0.00002	0.00016	0.00229	5.016	0.000485
12:13:38.701	-13	0.00002	0.00015	0.00169	4.136	0.0004
12:13:39.701	-13	0.00002	0.00009	0.00166	3.461	0.000335
12:13:40.701	-13	0.00002	0.00018	0.00215	3.221	0.000312
12:13:41.701	-13	0.00002	0.00016	0.00236	2.927	0.000283
12:13:42.701	-13	0.00002	0.0002	0.00265	3.082	0.000298
12:13:43.701	-13	0.00002	0.00017	0.0024	2.857	0.000277
12:13:44.701	-13	0.00002	0.00019	0.00243	3.126	0.000303
12:13:45.701	-13	0.00002	0.00022	0.00282	3.451	0.000334
12:13:46.701	-13	0.00002	0.00019	0.00289	3.891	0.000376
12:13:47.701	-13	0.00002	0.0002	0.00249	4.128	0.000399

33.1	2.70E+00	2.500	0.900	1.956	0.704	6.700
34.2	2.70E+00	2.500	0.900	1.957	0.705	5.800
37.5	2.70E+00	2.500	0.900	1.966	0.708	8.000
38.2	2.70E+00	2.500	0.900	1.973	0.710	3.500
40.6	2.50E+00	2.300	0.900	1.835	0.706	5.600
40.9	2.10E+00	1.800	0.900	1.428	0.711	4.100
42	1.70E+00	1.200	0.900	0.961	0.716	5.500
41.9	1.30E+00	0.700	0.900	0.588	0.715	4.500
41.4	1.00E+00	0.400	0.900	0.294	0.692	4.000
40.9	6.00E-01	0.000	0.800	0.000	0.642	9.900
39.2	7.00E-01	0.000	0.800	0.000	0.654	8.900
38.7	7.00E-01	-0.100	0.800	0.000	0.664	8.800
37.1	7.00E-01	-0.300	0.800	0.000	0.670	4.600
36.8	6.00E-01	-0.300	0.700	0.000	0.589	7.500
35.8	6.00E-01	-0.400	0.700	0.000	0.591	7.400
35.6	6.00E-01	-0.400	0.700	0.000	0.592	6.800
34.8	6.00E-01	-0.400	0.700	0.000	0.593	9.100
34.7	6.00E-01	-0.400	0.700	0.000	0.594	5.200
34.5	6.00E-01	-0.500	0.700	0.000	0.569	9.700
34.6	5.00E-01	-0.500	0.600	0.000	0.504	6.200
35.1	5.00E-01	-0.400	0.600	0.000	0.499	10.200
35.2	5.00E-01	-0.400	0.600	0.000	0.497	10.300
35.7	6.00E-01	-0.400	0.700	0.000	0.554	9.900
35.9	5.00E-01	-0.400	0.600	0.000	0.489	12.900
36.6	5.00E-01	-0.400	0.600	0.000	0.484	9.100
36.7	5.00E-01	-0.400	0.600	0.000	0.482	14.700
37.2	5.00E-01	-0.400	0.600	0.000	0.481	10.200
37.2	5.00E-01	-0.400	0.600	0.000	0.479	12.600
37.4	5.00E-01	-0.400	0.600	0.000	0.477	12.500
37.5	5.00E-01	-0.400	0.600	0.000	0.476	10.600
37.9	5.00E-01	-0.400	0.600	0.000	0.475	11.000
38.1	5.00E-01	-0.400	0.600	0.000	0.475	6.200
38.7	5.00E-01	-0.300	0.600	0.000	0.474	9.000
38.8	5.00E-01	-0.300	0.600	0.000	0.474	7.200
39.1	5.00E-01	-0.300	0.600	0.000	0.472	10.500
39.2	4.00E-01	-0.300	0.600	0.000	0.446	10.500
39.7	4.00E-01	-0.300	0.500	0.000	0.393	9.000
39.9	4.00E-01	-0.300	0.500	0.000	0.393	10.400
40.7	4.00E-01	-0.300	0.500	0.000	0.395	7.200
40.7	4.00E-01	-0.300	0.500	0.000	0.397	13.800
40.7	4.00E-01	-0.300	0.500	0.000	0.398	12.600
40.7	4.00E-01	-0.300	0.500	0.000	0.400	14.400
40.7	4.00E-01	-0.300	0.500	0.000	0.400	13.400
40.7	4.00E-01	-0.300	0.500	0.000	0.400	13.200
40.7	4.00E-01	-0.300	0.500	0.000	0.400	14.200
40.7	4.00E-01	-0.300	0.500	0.000	0.398	11.800
40.6	4.00E-01	-0.300	0.500	0.000	0.396	12.200

190.9	115.11338	2022	35.602	83.3	331.759885	467.778378
191.3	119.87369	2131	37.46	82.8	330.147688	472.3495
191.7	119.40863	2214	38.816	82.4	313.62406	476.2844
192	86.64097	2064	39.74	80.8	328.802571	457.004452
192.4	97.33963	1940	40.342	72.9	338.236279	467.384353
192.8	53.92391	1935	40.99	65.3	336.754678	457.285371
193.1	38.13032	1591	40.396	48.3	334.119665	440.682059
193.5	14.84644	1551	39.121	13.5	338.793878	419.230468
193.9	14.07715	1505	38.405	0.4	334.587018	393.159041
194	13.59	1457	37.166	0	327.526514	371.86996
194	12.82053	1422	36.02	0	322.1	353.800297
194	12.21612	1390	35.311	0	317.547352	339.255372
194	11.95671	1367	34.636	0	316.052185	326.476035
194	11.85387	1346	34.16	0	311.030879	314.445255
193.7	11.63708	1326	33.53	0	307.224375	304.407508
193.3	11.54785	1315	33.53	0	303.275729	295.3844
193	11.341	1305	32.91	0	299.618789	287.876552
192.6	29.25625	1299	32.91	28.3	295.694615	283.748062
192.3	22.19767	1315	33.857	26.2	294.577104	281.523702
	22.69083	1338	33.843	10.2	293.843908	278.06014
	26.43429	1351	34.16	30.1	291.759363	274.372638
	23.41102	1363	34.451	45.9	291.797727	275.057551
	25.11124	1385	35.088	52.4	293.201767	280.837538
	25.66802	1402	35.4	50.8	297.094063	287.660778
	25.78453	1412	36.02	57.6	299.753638	293.155355
	25.3386	1412	36.02	49	302.71875	296.8
	26.55318	1419	36.02	63.6	302.976939	299.357113
	35.82375	1427	36.331	66.4	306.829167	307.844357
	32.36464	1436	36.64	64.4	311.339691	315.530435
192.2	35.28068	1449	36.64	71.3	314.005773	321.504248
192.2	36.52104	1464	37.26	75.4	318.553828	330.436333
192.2	31.47478	1475	37.26	71.4	320.052305	336.382059
192.2	32.56963	1483	37.88	72.2	320.887558	339.440044
	33.69393	1495	37.88	78.6	321.402486	344.604519
	29.56308	1505	37.88	88.4	325.265	348.07625
	37.8569	1524	38.5	77.3	326.66763	352.3963
	39.16854	1543	39.12	78.6	329.522737	359.064174
	27.63487	1546	39.12	57.6	330.96334	357.756183
192.2	27.08635	1550	39.12	53.7	330.082115	350.610294
192.2	27.64453	1550	39.12	52.2	327.112209	343.69989
192.2	26.79378	1545	39.12	47.1	322.962761	335.891304
192.2	29.2234	1543	39.12	67.4	318.059812	330.572272
192.2	24.76962	1536	39.12	61.1	318.617692	328.863366
192.2	29.3475	1541	39.12	60.2	319.049872	322.92967
192.2	33.96798	1541	39.12	65.4	319.836094	326.188374
192.2	34.94464	1549	39.12	71.9	321.49787	333.331762
192.2	34.76932	1557	39.716	72	322.935529	339.121701

0.27089	0.18871	3.54868	6108.438
0.2714	0.18904	3.55632	6125.262
0.27188	0.18948	3.56272	6140.377
0.27224	0.18962	3.5691	6151.263
0.27259	0.18985	3.57588	6163.048
0.27276	0.18995	3.5788	6169.342
0.27283	0.19002	3.58006	6172.396
0.27286	0.19005	3.58118	6174.274
0.27288	0.19008	3.58214	6175.978
0.27289	0.19014	3.5828	6177.36
0.2729	0.19019	3.58322	6178.257
0.27291	0.19024	3.58361	6178.8
0.27292	0.19027	3.58416	6179.16
0.27293	0.19031	3.5847	6179.418
0.27294	0.19035	3.58548	6179.616
0.27295	0.19039	3.58621	6179.775
0.27296	0.19044	3.58685	6179.916
0.27298	0.1905	3.58828	6180.171
0.273	0.1906	3.58991	6180.446
0.27302	0.19067	3.59263	6181.072
0.27304	0.19079	3.59572	6182.158
0.27306	0.19091	3.59815	6183.403
0.27308	0.19103	3.60043	6184.761
0.2731	0.19119	3.60308	6186.675
0.27312	0.1913	3.60584	6189.055
0.27314	0.19148	3.60755	6191.6
0.27316	0.19162	3.60994	6194.581
0.27318	0.19181	3.61279	6197.971
0.2732	0.19201	3.61539	6201.84
0.27323	0.19219	3.61764	6206.1
0.27326	0.19238	3.61987	6210.472
0.27329	0.19248	3.62174	6214.725
0.27331	0.19262	3.62376	6218.891
0.27333	0.19273	3.62583	6223.081
0.27336	0.1929	3.62784	6227.606
0.27339	0.19309	3.62992	6232.548
0.27341	0.19325	3.63221	6237.564
0.27343	0.1934	3.6339	6241.7
0.27345	0.19349	3.63556	6245.161
0.27347	0.19367	3.63771	6248.382
0.27349	0.19383	3.64007	6251.309
0.27351	0.19403	3.64272	6254.391
0.27353	0.1942	3.64512	6257.248
0.27355	0.19439	3.64755	6260.374
0.27357	0.19461	3.65037	6263.825
0.27359	0.1948	3.65326	6267.716
0.27361	0.195	3.65575	6271.844

12:13:48.701	-13	0.00002	0.00012	0.00189	3.728	0.00036
12:13:49.701	-13	0.00002	0.00016	0.00174	3.343	0.000323
12:13:50.701	-13	0.00002	0.00012	0.00161	2.947	0.000285
12:13:51.701	-13	0.00002	0.00013	0.0019	2.755	0.000267
12:13:52.701	-13	0.00002	0.00022	0.0028	3.615	0.00035
12:13:53.701	-13	0.00002	0.00021	0.00363	4.922	0.000476
12:13:54.701	-13	0.00003	0.00034	0.00351	5.889	0.000569
12:13:55.701	-13	0.00003	0.00019	0.00249	6.583	0.000636
12:13:56.701	-13	0.00002	0.00023	0.00194	5.774	0.000558
12:13:57.701	-13	0.00002	0.00014	0.00195	4.355	0.000421
12:13:58.701	-13	0.00001	0.00012	0.00186	3.159	0.000305
12:13:59.701	-13	0.00001	0.00013	0.00177	2.836	0.000274
12:14:00.701	-13	0.00001	0.00011	0.0018	2.888	0.000279
12:14:01.701	-13	0.00001	0.00019	0.00239	3.566	0.000345
12:14:02.701	-13	0.00002	0.00014	0.00262	4.123	0.000399
12:14:03.701	-13	0.00001	0.00017	0.00211	4.575	0.000442
12:14:04.701	-13	0.00001	0.00015	0.00241	5.016	0.000485
12:14:05.701	-13	0.00001	0.00014	0.00245	4.937	0.000477
12:14:06.701	-13	0.00001	0.00012	0.00198	3.889	0.000376
12:14:07.701	-13	0.00001	0.0001	0.00222	3.653	0.000353
12:14:08.701	-13	0.00001	0.00019	0.00297	4.232	0.000409
12:14:09.701	-13	0.00001	0.00012	0.00289	5.132	0.000496
12:14:10.701	-13	0.00001	0.00015	0.00285	5.783	0.000559
12:14:11.701	-13	0.00001	0.00009	0.00249	5.009	0.000484
12:14:12.701	-13	0.00001	0.00011	0.00217	3.821	0.000369
12:14:13.701	-13	0.00001	0.00011	0.00206	3.169	0.000306
12:14:14.701	-13	0.00001	0.00009	0.00146	3.023	0.000292
12:14:15.701	-13	0.00001	0.00011	0.00176	3.428	0.000331
12:14:16.701	-13	0.00001	0.00004	0.00235	3.9	0.000377
12:14:17.701	-13	0.00001	0.00011	0.00315	4.913	0.000475
12:14:18.701	-13	0.00001	0.00011	0.00375	6.207	0.0006
12:14:19.701	-13	0.00001	0.00011	0.00285	5.2	0.000502
12:14:20.701	-13	0.00001	0.00008	0.00208	3.766	0.000364
12:14:21.701	-13	0.00001	0.00006	0.00209	3.852	0.000372
12:14:22.701	-13	0.00001	0.00017	0.00258	3.981	0.000385
12:14:23.701	-13	0.00001	0.00006	0.00204	3.399	0.000329
12:14:24.701	-13	0	0.00008	0.00124	2.553	0.000247
12:14:25.701	-13	0	0.00005	0.0009	1.783	0.000172
12:14:26.701	-13	0.00001	0.00016	0.00154	3.656	0.000354
12:14:27.701	-13	0.00001	0.00018	0.00066	2.257	0.000219
12:14:28.701	-13	0	0.00009	0.00079	0.804	0.000078
12:14:29.701	-13	0	0.00013	0.00163	0.508	0.000049
12:14:30.701	-13	0	0.00008	0.00302	1.229	0.000119
12:14:31.701	-13	0	0.00008	0.00228	1.232	0.000119
12:14:32.701	-13	0	0.00005	0.00148	1.393	0.000135
12:14:33.701	-13	0	0.00005	0.00102	1.353	0.000131
12:14:34.701	-13	0	0.00004	0.00072	1.052	0.000102

40.7	4.00E-01	-0.300	0.500	0.000	0.396	8.500
41.1	4.00E-01	-0.300	0.500	0.000	0.396	12.200
41.1	4.00E-01	-0.300	0.500	0.000	0.398	10.200
41.1	4.00E-01	-0.300	0.500	0.000	0.399	11.300
41.1	3.00E-01	-0.300	0.400	0.000	0.319	14.100
41	3.00E-01	-0.300	0.400	0.000	0.317	11.100
41.1	4.00E-01	-0.300	0.500	0.000	0.393	16.300
41.4	4.00E-01	-0.300	0.500	0.000	0.368	8.300
41.7	3.00E-01	-0.300	0.400	0.000	0.314	11.600
42.6	3.00E-01	-0.300	0.400	0.000	0.315	8.600
42.7	3.00E-01	-0.300	0.400	0.000	0.316	9.900
43	3.00E-01	-0.300	0.400	0.000	0.317	12.000
43	3.00E-01	-0.300	0.400	0.000	0.317	9.200
42.9	3.00E-01	-0.400	0.400	0.000	0.317	13.600
42.9	3.00E-01	-0.400	0.400	0.000	0.316	9.200
42.8	2.00E-01	-0.400	0.300	0.000	0.236	10.000
42.9	2.00E-01	-0.400	0.300	0.000	0.236	8.100
43.2	2.00E-01	-0.400	0.300	0.000	0.236	7.800
43.2	2.00E-01	-0.400	0.300	0.000	0.237	8.200
43.3	2.00E-01	-0.400	0.300	0.000	0.238	6.600
43.3	2.00E-01	-0.500	0.200	0.000	0.158	11.800
43.4	2.00E-01	-0.500	0.200	0.000	0.157	6.500
43.6	2.00E-01	-0.500	0.200	0.000	0.156	7.900
44.1	2.00E-01	-0.500	0.200	0.000	0.156	5.400
44.2	2.00E-01	-0.500	0.200	0.000	0.158	7.800
44.7	2.00E-01	-0.500	0.200	0.000	0.159	8.800
44.7	2.00E-01	-0.500	0.200	0.000	0.159	7.700
44.7	2.00E-01	-0.500	0.200	0.000	0.159	7.800
44.7	2.00E-01	-0.500	0.200	0.000	0.159	2.400
44.7	2.00E-01	-0.500	0.200	0.000	0.158	6.300
44.9	2.00E-01	-0.500	0.200	0.000	0.156	5.400
45.5	2.00E-01	-0.500	0.200	0.000	0.156	6.600
45.6	2.00E-01	-0.500	0.200	0.000	0.158	6.100
46.1	2.00E-01	-0.500	0.200	0.000	0.159	4.300
46.1	2.00E-01	-0.500	0.200	0.000	0.158	10.700
46.3	2.00E-01	-0.500	0.200	0.000	0.158	4.500
46.2	2.00E-01	-0.500	0.200	0.000	0.158	8.000
46	2.00E-01	-0.500	0.200	0.000	0.159	7.200
45.6	2.00E-01	-0.500	0.200	0.000	0.161	8.800
44.4	1.00E-01	-0.500	0.200	0.000	0.139	9.500
43.9	1.00E-01	-0.500	0.100	0.000	0.084	6.200
42.3	1.00E-01	-0.500	0.100	0.000	0.084	10.500
42	1.00E-01	-0.500	0.100	0.000	0.083	6.300
41.2	1.00E-01	-0.500	0.100	0.000	0.081	10.600
41	1.00E-01	-0.400	0.200	0.000	0.126	7.600
40.2	2.00E-01	-0.300	0.300	0.000	0.240	8.600
39.6	2.00E-01	-0.300	0.300	0.000	0.242	8.100

192.2	30.86324	1560	39.74	61.8	323.09948	342.331538
192.2	27.67761	1560	39.74	52	322.031622	338.091961
192.2	27.15113	1558	39.74	53.7	321.371933	332.405686
192.2	24.50589	1551	39.234	56.5	320.39625	327.94901
192.2	31.91069	1555	39.281	69.2	321.537308	327.733188
192.2	42.85107	1565	39.74	78.7	326.70794	338.888525
	42.47796	1586	40.37	79.6	332.831288	351.438681
	47.10142	1611	40.99	77.3	337.246058	360.728754
	40.14144	1629	41.296	73.3	339.007921	364.64898
	31.69464	1633	41.61	73.2	338.427273	362.348077
	27.238	1493	41.61	69.6	336.213048	359.267391
192.2	23.50169	1350	41.61	48.1	331.115385	352.3
192.2	24.79292	1342	41.61	75	325.192308	346.230349
192.2	29.27815	1347	41.61	69.8	322.632436	345.055785
192.2	34.94885	1346	41.61	73.4	318.008092	347.436129
192.2	35.58165	1352	41.61	74	319.07646	350.653727
192.2	38.73237	1360	41.61	77.2	315.462213	357.639033
192.2	31.70463	1367	42.23	69.3	318.830263	359.950638
192.2	29.3404	1362	42.085	66.1	327.463711	355.5975
192.2	27.10661	1363	42.23	81.9	332.098609	354.257655
192.2	35.66458	1367	42.23	86.4	333.560037	359.425367
192.2	39.22359	1379	42.519	80.6	337.390707	370.433836
192.2	42.217	1392	42.85	84.9	340.330795	380.19316
192.2	31.16293	1401	42.85	56.9	333.422832	379.978834
	27.97575	1403	43.414	65.3	331.560985	371.740762
	27.16043	1404	43.47	58.7	329.457774	365.195105
	25.87558	1401	42.932	53.3	327.538185	359.014426
	31.05701	1400	42.85	77.6	326.062656	356.1
	32.9934	1410	43.47	77.1	324.987963	359.416699
192.2	37.4343	1417	43.47	94.6	327.192308	367.51
192.2	45.55125	1436	44.195	75.7	321.625192	381.107391
192.2	35.46998	1446	44.71	56	318.454904	383.034024
192.2	24.68384	1448	44.71	63.3	310.580179	374.372279
192.2	33.94479	1449	44.71	71.2	315.83	368.795
192.2	36.43257	1453	44.71	72.7	315.097149	372.976832
192.2	28.63602	1448	44.71	56.8	313.029303	371.059785
192.2	21.67475	1435	44.09	27.9	316.554688	359.1152
192.2	12.52575	1411	43.558	5.5	313.757971	342.284023
192.2	41.4044	1376	42.359	0	310.443788	322.649759
192.2	45.5253	1342	41.147	0	308.724048	299.852849
192.2	26.39828	1313	40.551	20.5	307.034451	279.474901
192.2	23.85242	1295	39.74	58.8	308.172481	278.3
192.2	29.64139	1290	39.74	49.3	308.312449	291.565455
192.2	14.13094	1271	39.12	8.1	307.017015	293.290319
192	12.06937	1236	37.864	0.6	303.246122	283.697255
191.6	11.50163	1190	37.26	0	300.822165	275.068404
191.2	11.10638	1151	35.306	0	297.219836	267.626585

0.27363	0.19512	3.65764	6275.572
0.27365	0.19528	3.65938	6278.915
0.27367	0.1954	3.66099	6281.862
0.27369	0.19553	3.66289	6284.617
0.27371	0.19575	3.66569	6288.232
0.27373	0.19596	3.66932	6293.154
0.27376	0.1963	3.67283	6299.043
0.27379	0.19649	3.67532	6305.626
0.27381	0.19672	3.67726	6311.4
0.27383	0.19686	3.67921	6315.755
0.27384	0.19698	3.68107	6318.914
0.27385	0.19711	3.68284	6321.75
0.27386	0.19722	3.68464	6324.638
0.27387	0.19741	3.68703	6328.204
0.27389	0.19755	3.68965	6332.327
0.2739	0.19772	3.69176	6336.902
0.27391	0.19787	3.69417	6341.918
0.27392	0.19801	3.69662	6346.855
0.27393	0.19813	3.6986	6350.744
0.27394	0.19823	3.70082	6354.397
0.27395	0.19842	3.70379	6358.629
0.27396	0.19854	3.70668	6363.761
0.27397	0.19869	3.70953	6369.544
0.27398	0.19878	3.71202	6374.553
0.27399	0.19889	3.71419	6378.374
0.274	0.199	3.71625	6381.543
0.27401	0.19909	3.71771	6384.566
0.27402	0.1992	3.71947	6387.994
0.27403	0.19924	3.72182	6391.894
0.27404	0.19935	3.72497	6396.807
0.27405	0.19946	3.72872	6403.014
0.27406	0.19957	3.73157	6408.214
0.27407	0.19965	3.73365	6411.98
0.27408	0.19971	3.73574	6415.832
0.27409	0.19988	3.73832	6419.813
0.2741	0.19994	3.74036	6423.212
0.2741	0.20002	3.7416	6425.765
0.2741	0.20007	3.7425	6427.548
0.27411	0.20023	3.74404	6431.204
0.27412	0.20041	3.7447	6433.461
0.27412	0.2005	3.74549	6434.265
0.27412	0.20063	3.74712	6434.773
0.27412	0.20071	3.75014	6436.002
0.27412	0.20079	3.75242	6437.234
0.27412	0.20084	3.7539	6438.627
0.27412	0.20089	3.75492	6439.98
0.27412	0.20093	3.75564	6441.032

12:14:35.701	-13	0	0.00005	0.0006	0.806	0.000078
12:14:36.701	-13	0.00001	0.00011	0.00124	1	0.000097
12:14:37.701	-13	0	0.00005	0.00112	0.488	0.000047
12:14:38.701	-13	0	0.00009	0.00253	0.961	0.000093
12:14:39.701	-13	0	0.00004	0.00198	0.98	0.000095
12:14:40.701	-13	0	0.00006	0.00117	0.852	0.000083
12:14:41.701	-13	0	0.00005	0.00084	0.621	0.00006
12:14:42.701	-13	0	0.00004	0.00089	0.494	0.000048
12:14:43.701	-13	0	0.00006	0.00066	0.404	0.000039
12:14:44.701	-13	0	0.00003	0.0006	0.318	0.000031
12:14:45.701	-13	0	0.00004	0.00049	0.22	0.000021
12:14:46.701	-13	0	0.00003	0.00058	0.163	0.000016
12:14:47.701	-13	0	0.00003	0.0007	0.122	0.000012
12:14:48.701	-13	0	0.00004	0.00104	0.137	0.000013
12:14:49.701	-13	0.00001	0.00005	0.00176	0.219	0.000021
12:14:50.701	-13	0.00001	0.00016	0.0026	0.711	0.000069
12:14:51.701	-13	0.00002	0.00011	0.00819	2.843	0.000276
12:14:52.701	-13	0.00003	0.00031	0.01172	8.481	0.000821
12:14:53.701	-13	0.00005	0.00023	0.01202	16.249	0.001569
12:14:54.701	-13	0.00006	0.00036	0.01052	19.799	0.001911
12:14:55.701	-13	0.00107	0.00053	0.01059	25.588	0.002471
12:14:56.701	-13	0.00365	0.0004	0.00763	22.859	0.002208
12:14:57.701	-13	0.00482	0.00059	0.00857	20.017	0.001934
12:14:58.701	-13	0.00509	0.00022	0.00907	19.339	0.001869
12:14:59.701	-13	0.00345	0.00038	0.00606	12.645	0.001222
12:15:00.701	-13	0.00218	0.00017	0.0047	9.322	0.000901
12:15:01.701	-13	0.001	0.00021	0.00406	6.328	0.000612
12:15:02.701	-13	0.00045	0.00013	0.00319	4.431	0.000429
12:15:03.701	-13	0.00033	0.00018	0.00386	5.628	0.000544
12:15:04.701	-13	0.00028	0.00031	0.00542	7.819	0.000756
12:15:05.701	-13	0.00023	0.00023	0.00502	7.846	0.000758
12:15:06.701	-13	0.00014	0.00023	0.0035	6.035	0.000583
12:15:07.701	-13	0.0001	0.0001	0.00368	5.46	0.000528
12:15:08.701	-13	0.00007	0.00013	0.00309	5.024	0.000486
12:15:09.701	-13	0.00006	0.00013	0.00286	4.664	0.000451
12:15:10.701	-13	0.00005	0.00013	0.00301	4.573	0.000442
12:15:11.701	-13	0.00005	0.00018	0.00321	4.993	0.000483
12:15:12.701	-13	0.00004	0.0001	0.00291	5.388	0.00052
12:15:13.701	-13	0.00004	0.00018	0.00248	5.644	0.000545
12:15:14.701	-13	0.00005	0.00011	0.00255	5.84	0.000564
12:15:15.701	-13	0.00005	0.00014	0.00254	5.866	0.000566
12:15:16.701	-13	0.00004	0.00013	0.00232	5.283	0.00051
12:15:17.701	-13	0.00004	0.0001	0.00242	4.921	0.000475
12:15:18.701	-13	0.00004	0.00015	0.00268	4.985	0.000482
12:15:19.701	-13	0.00004	0.00012	0.00279	5.375	0.000519
12:15:20.701	-13	0.00004	0.00018	0.00242	5.258	0.000508
12:15:21.701	-13	0.00004	0.00011	0.00232	5.046	0.000487

37.5	2.00E-01	-0.300	0.300	0.000	0.246	7.900
36.9	2.00E-01	-0.300	0.200	0.000	0.167	8.700
35.1	2.00E-01	-0.300	0.200	0.000	0.168	7.000
34.9	2.00E-01	-0.400	0.200	0.000	0.166	10.200
34.1	2.00E-01	-0.400	0.200	0.000	0.164	6.400
33.6	2.00E-01	-0.400	0.200	0.000	0.164	9.700
32.1	2.00E-01	-0.400	0.200	0.000	0.165	9.200
31.6	2.00E-01	-0.400	0.200	0.000	0.166	8.100
30.2	2.00E-01	-0.400	0.200	0.000	0.167	12.000
29.7	2.00E-01	-0.400	0.200	0.000	0.168	5.300
28	2.00E-01	-0.500	0.200	0.000	0.168	9.600
26.9	2.00E-01	-0.500	0.200	0.000	0.169	6.200
23.5	2.00E-01	-0.500	0.200	0.000	0.169	6.600
22.1	2.00E-01	-0.500	0.200	0.000	0.170	7.500
17.8	2.00E-01	-0.500	0.200	0.000	0.170	4.900
17.5	2.00E-01	-0.500	0.200	0.000	0.168	10.800
16.3	2.00E-01	-0.500	0.300	0.000	0.246	5.300
17	2.00E-01	-0.500	0.300	0.000	0.237	9.600
19.2	3.00E-01	-0.500	0.400	0.000	0.310	4.500
20.6	3.00E-01	-0.100	0.400	0.000	0.310	5.900
25.3	3.90E+00	4.500	0.500	3.477	0.390	6.400
27.5	1.40E+01	17.300	0.500	13.585	0.392	5.000
34.4	2.05E+01	25.500	0.600	20.021	0.496	8.300
36.1	2.22E+01	27.200	1.000	21.403	0.755	3.200
41.5	2.13E+01	25.800	1.100	20.404	0.894	7.700
42.5	1.72E+01	20.400	1.200	16.218	0.954	4.300
45.8	1.14E+01	13.100	1.200	10.420	0.955	7.700
46	7.10E+00	7.800	1.200	6.196	0.932	7.100
46.8	4.30E+00	4.400	1.100	3.458	0.873	7.800
46.8	2.90E+00	2.600	1.100	2.078	0.866	10.800
46.8	2.50E+00	2.100	1.100	1.652	0.862	8.600
47	2.00E+00	1.400	1.100	1.105	0.866	10.400
47.6	1.50E+00	0.800	1.100	0.610	0.841	5.000
47.6	1.10E+00	0.400	1.000	0.315	0.786	7.400
47.8	1.00E+00	0.300	1.000	0.236	0.787	7.400
47.8	9.00E-01	0.300	0.900	0.236	0.709	7.700
47.9	9.00E-01	0.300	0.900	0.211	0.707	10.200
47.8	7.00E-01	0.000	0.900	0.000	0.704	5.400
47.6	7.00E-01	0.000	0.900	0.000	0.704	9.500
47.7	7.00E-01	0.000	0.900	0.000	0.703	5.400
47.9	7.00E-01	0.000	0.900	0.000	0.703	7.200
48.1	6.00E-01	0.000	0.800	0.000	0.625	7.600
48.6	6.00E-01	-0.200	0.800	0.000	0.628	5.900
48.6	6.00E-01	-0.200	0.800	0.000	0.629	8.400
48.7	6.00E-01	-0.300	0.800	0.000	0.627	6.500
48.8	6.00E-01	-0.300	0.800	0.000	0.627	9.800
49	6.00E-01	-0.400	0.800	0.000	0.628	6.400

190.9	9.93667	1117	34.16	0.6	289.88977	260.305501
190.5	29.88152	1350	33.942	46.3	287.6592	259.671094
190.4	18.73302	1304	33.338	23	293.170833	267.809823
190.4	22.26368	1275	32.29	22.5	292.74739	263.12
190.4	13.8182	1245	31.534	9.8	292.595385	256.579121
190.4	10.61903	1206	30.741	0.1	281.644186	250.201583
190.4	10.28151	1170	29.848	0	289.45	244.086135
190.4	9.81854	1132	28.625	0	286.810769	239.797308
190.4	9.67204	1098	27.376	1.1	284.917297	235.309911
190.4	10.47533	1238	26.114	0	283.347083	230.839082
190.4	9.87276	1145	24.141	0	288.924675	227.604251
190.4	9.92183	1212	21.127	0.1	288.953704	224.459785
190	9.24787	1045	18.343	1.4	290.12	220.821961
189.6	9.51195	1118	15.942	6.3	296.331178	218.13913
189.2	22.55685	1152	15.53	41.2	305.834592	219.824346
188.8	27.54247	1186	15.87	87.9	305.30678	233.307851
188.7	44.95249	1296	17.401	91.3	304.286792	267.007616
189.1	63.50442	1460	19.834	87.5	306.537044	309.412647
189.5	96.49179	1680	22.756	89.7	311.019167	357.534348
189.9	126.0824	1961	26.48	92.3	324.308091	406.014463
190.2	171.86627	2292	30.867	91.2	336.945972	448.327811
190.6	175.34167	2612	35.785	84.1	337.082573	477.731868
191	157.69963	2295	38.942	84.1	337.244375	482.177143
191.3	142.60683	2359	41.407	86	341.052555	488.049158
191.7	108.43031	2406	43.522	76.2	352	476.23228
192.1	93.19479	2113	44.71	65.7	344.877245	456.756522
192.2	54.97654	1838	45.33	65.5	361.846282	436.226281
192.2	36.94124	1775	45.11	65.9	355.569632	420.437572
192.2	42.67939	1778	45.33	87.8	346.07697	415.084742
192.2	61.71836	1787	45.538	83.8	355.768228	429.924602
192.2	60.91089	1807	45.95	72.2	358.902079	435.473142
192.5	48.02882	1648	46.126	76.4	354.466667	432.842677
192.9	42.04625	1504	46.58	77.3	352.135031	429.531456
193.2	37.71239	1501	46.58	78.6	355.730201	424.862692
193.6	32.83676	1501	45.95	78.5	361.047619	417.526322
194	34.59943	1495	45.95	78.4	351.266266	412.564875
194	38.96393	1499	45.95	79.2	352.839773	412.349073
194	37.474	1498	45.95	80.3	354.983622	413.02495
194	39.73702	1506	46.58	80.4	354.041458	413.535484
194	40.80631	1511	46.58	79.6	342.681286	416.284598
194	41.89107	1511	46.58	79.1	345.671617	417.983839
194	36.03009	1520	47.124	74.1	347.540265	415.133235
194	34.48152	1521	46.58	74.9	347.027991	409.326518
194	37.7501	1521	47.2	80.7	324.65775	406.534684
194	38.93638	1535	47.2	81.2	316.105278	407.765581
	38.6108	1536	47.2	78.8	324.994112	408
	36.91444	1538	47.2	77.4	322.839571	405.63834

0.27412	0.20098	3.75624	6441.838
0.27413	0.20109	3.75748	6442.838
0.27413	0.20114	3.7586	6443.326
0.27413	0.20123	3.76113	6444.287
0.27413	0.20127	3.76311	6445.267
0.27413	0.20133	3.76428	6446.119
0.27413	0.20138	3.76512	6446.74
0.27413	0.20142	3.76601	6447.234
0.27413	0.20148	3.76667	6447.638
0.27413	0.20151	3.76727	6447.956
0.27413	0.20155	3.76776	6448.176
0.27413	0.20158	3.76834	6448.339
0.27413	0.20161	3.76904	6448.461
0.27413	0.20165	3.77008	6448.598
0.27414	0.2017	3.77184	6448.817
0.27415	0.20186	3.77444	6449.528
0.27417	0.20197	3.78263	6452.371
0.2742	0.20228	3.79435	6460.852
0.27425	0.20251	3.80637	6477.101
0.27431	0.20287	3.81689	6496.9
0.27538	0.2034	3.82748	6522.488
0.27903	0.2038	3.83511	6545.347
0.28385	0.20439	3.84368	6565.364
0.28894	0.20461	3.85275	6584.703
0.29239	0.20499	3.85881	6597.348
0.29457	0.20516	3.86351	6606.67
0.29557	0.20537	3.86757	6612.998
0.29602	0.2055	3.87076	6617.429
0.29635	0.20568	3.87462	6623.057
0.29663	0.20599	3.88004	6630.876
0.29686	0.20622	3.88506	6638.722
0.297	0.20645	3.88856	6644.757
0.2971	0.20655	3.89224	6650.217
0.29717	0.20668	3.89533	6655.241
0.29723	0.20681	3.89819	6659.905
0.29728	0.20694	3.9012	6664.478
0.29733	0.20712	3.90441	6669.471
0.29737	0.20722	3.90732	6674.859
0.29741	0.2074	3.9098	6680.503
0.29746	0.20751	3.91235	6686.343
0.29751	0.20765	3.91489	6692.209
0.29755	0.20778	3.91721	6697.492
0.29759	0.20788	3.91963	6702.413
0.29763	0.20803	3.92231	6707.398
0.29767	0.20815	3.9251	6712.773
0.29771	0.20833	3.92752	6718.031
0.29775	0.20844	3.92984	6723.077

12:15:22.701	-13	0.00004	0.00016	0.00249	4.923	0.000476
12:15:23.701	-13	0.00004	0.00015	0.00272	5.121	0.000495
12:15:24.701	-13	0.00004	0.00013	0.00275	5.497	0.000531
12:15:25.701	-13	0.00004	0.00017	0.0025	5.591	0.00054
12:15:26.701	-13	0.00004	0.00014	0.00246	5.495	0.000531
12:15:27.701	-13	0.00003	0.00015	0.00236	5.21	0.000503
12:15:28.701	-13	0.00003	0.00007	0.00249	4.988	0.000482
12:15:29.701	-13	0.00003	0.00015	0.00259	4.886	0.000472
12:15:30.701	-13	0.00003	0.00013	0.00247	4.635	0.000448
12:15:31.701	-13	0.00003	0.00013	0.00238	4.471	0.000432
12:15:32.701	-13	0.00003	0.00016	0.00241	4.479	0.000433
12:15:33.701	-13	0.00003	0.0001	0.00267	4.508	0.000436
12:15:34.701	-13	0.00003	0.0002	0.00291	4.762	0.00046
12:15:35.701	-13	0.00003	0.00013	0.00291	4.985	0.000482
12:15:36.701	-13	0.00003	0.00019	0.00278	5.125	0.000495
12:15:37.701	-13	0.00002	0.00016	0.00282	5.198	0.000502
12:15:38.701	-13	0.00003	0.00015	0.00291	5.413	0.000523
12:15:39.701	-13	0.00003	0.00019	0.00302	5.729	0.000554
12:15:40.701	-13	0.00003	0.00011	0.00305	5.914	0.000571
12:15:41.701	-13	0.00003	0.00019	0.00283	5.832	0.000563
12:15:42.701	-13	0.00003	0.00012	0.00268	5.51	0.000532
12:15:43.701	-13	0.00002	0.00018	0.00311	5.181	0.000501
12:15:44.701	-13	0.00002	0.00013	0.00295	4.866	0.00047
12:15:45.701	-13	0.00002	0.00013	0.00256	4.183	0.000404
12:15:46.701	-13	0.00002	0.00012	0.00179	3.309	0.00032
12:15:47.701	-13	0.00002	0.00009	0.00159	3.259	0.000315
12:15:48.701	-13	0.00002	0.00014	0.0016	3.274	0.000316
12:15:49.701	-13	0.00002	0.00013	0.00161	3.306	0.000319
12:15:50.701	-13	0.00001	0.00016	0.00151	3.06	0.000296
12:15:51.701	-13	0.00001	0.00012	0.00155	2.787	0.000269
12:15:52.701	-13	0.00001	0.00014	0.00178	2.802	0.000271
12:15:53.701	-13	0.00002	0.00018	0.00198	2.977	0.000288
12:15:54.701	-13	0.00002	0.0002	0.00229	3.532	0.000342
12:15:55.701	-13	0.00002	0.00031	0.00297	5.01	0.000484
12:15:56.701	-13	0.00003	0.00034	0.00527	8.585	0.000829
12:15:57.701	-13	0.00004	0.00044	0.00701	11.255	0.001086
12:15:58.701	-13	0.00004	0.00037	0.00732	11.866	0.001145
12:15:59.701	-13	0.00006	0.00036	0.00726	11.423	0.001103
12:16:00.701	-13	0.00018	0.00043	0.00759	11.388	0.0011
12:16:01.701	-13	0.00035	0.00036	0.00711	11.243	0.001086
12:16:02.701	-13	0.00037	0.00042	0.00631	9.62	0.000929
12:16:03.701	-13	0.00035	0.00024	0.00633	9.104	0.000879
12:16:04.701	-13	0.00036	0.00027	0.00616	9.908	0.000957
12:16:05.701	-13	0.00028	0.00021	0.00453	8.752	0.000845
12:16:06.701	-13	0.00019	0.0002	0.00331	7.659	0.000739
12:16:07.701	-13	0.00013	0.00022	0.00357	7.592	0.000733
12:16:08.701	-13	0.0001	0.00015	0.00321	7.68	0.000741

49	6.00E-01	-0.600	0.800	0.000	0.629	9.100
49.1	6.00E-01	-0.600	0.800	0.000	0.628	8.100
49.2	6.00E-01	-0.600	0.800	0.000	0.626	7.100
49.5	6.00E-01	-0.600	0.800	0.000	0.626	9.000
49.6	6.00E-01	-0.600	0.800	0.000	0.626	7.200
50.1	5.00E-01	-0.600	0.700	0.000	0.548	8.300
50.2	5.00E-01	-0.600	0.700	0.000	0.549	4.000
50.4	5.00E-01	-0.500	0.700	0.000	0.549	8.600
50.4	5.00E-01	-0.500	0.700	0.000	0.550	7.700
50.4	5.00E-01	-0.500	0.700	0.000	0.550	8.200
50.4	5.00E-01	-0.500	0.700	0.000	0.528	9.700
50.4	5.00E-01	-0.500	0.600	0.000	0.472	6.200
50.3	5.00E-01	-0.400	0.600	0.000	0.472	11.400
49.9	5.00E-01	-0.400	0.600	0.000	0.472	7.300
49.9	5.00E-01	-0.400	0.600	0.000	0.472	10.300
49.9	4.00E-01	-0.400	0.500	0.000	0.393	8.400
50	4.00E-01	-0.400	0.500	0.000	0.393	7.900
50.2	4.00E-01	-0.500	0.500	0.000	0.392	9.200
50.2	4.00E-01	-0.500	0.500	0.000	0.392	5.200
50.4	4.00E-01	-0.500	0.500	0.000	0.391	9.600
50.5	4.00E-01	-0.600	0.500	0.000	0.392	6.200
50.9	4.00E-01	-0.600	0.500	0.000	0.393	9.800
51	4.00E-01	-0.600	0.500	0.000	0.393	7.600
51.3	4.00E-01	-0.600	0.500	0.000	0.393	8.700
51.3	4.00E-01	-0.600	0.500	0.000	0.393	10.300
51.2	4.00E-01	-0.600	0.500	0.000	0.394	7.200
51.1	4.00E-01	-0.600	0.500	0.000	0.394	11.400
50.7	4.00E-01	-0.600	0.500	0.000	0.394	10.500
50.6	4.00E-01	-0.600	0.500	0.000	0.394	13.600
50.4	4.00E-01	-0.600	0.500	0.000	0.395	11.300
50.3	4.00E-01	-0.700	0.500	0.000	0.396	13.000
49.8	4.00E-01	-0.700	0.500	0.000	0.396	15.800
49.7	4.00E-01	-0.700	0.500	0.000	0.395	14.900
49.3	4.00E-01	-0.700	0.500	0.000	0.392	17.800
49.3	4.00E-01	-0.700	0.500	0.000	0.387	12.700
49.1	4.00E-01	-0.700	0.500	0.000	0.385	13.600
49.4	4.00E-01	-0.500	0.500	0.000	0.385	10.500
50.5	5.00E-01	0.200	0.500	0.160	0.364	10.500
51	1.60E+00	1.700	0.400	1.280	0.310	12.400
52.5	3.00E+00	3.500	0.400	2.686	0.310	10.300
52.9	3.60E+00	4.200	0.400	3.290	0.311	13.600
54.4	3.70E+00	4.300	0.400	3.343	0.311	8.100
54.8	3.60E+00	4.200	0.400	3.285	0.310	8.900
56.2	3.00E+00	3.500	0.400	2.727	0.311	7.600
56.2	2.30E+00	2.600	0.400	2.008	0.311	8.200
56.2	1.60E+00	1.600	0.400	1.251	0.311	9.000
56.1	1.30E+00	1.300	0.400	0.986	0.311	6.200

	36.88495	1545	47.82	79.3	322.462651	403.926667
	38.62663	1551	47.82	81.4	323.388125	404.64
	39.57267	1558	47.82	81.3	324.926452	407.785285
194	40.63595	1566	48.44	81.2	324.748096	408
194	39.80905	1575	48.44	78.4	335.396182	408.794883
194	37.0998	1576	48.44	77	339.206413	407.102058
194	36.21366	1579	48.448	76.8	344.174146	405.346452
194	36.11759	1578	49.06	75.6	347.345312	403.414615
194	34.18156	1582	48.968	76.3	347.393946	400.928
194	32.6673	1580	48.44	75.6	347.164167	398.302668
194	33.71797	1573	48.44	73.1	346.274187	394.660227
194	34.11787	1570	48.918	72.4	352.896053	392.544617
194	37.2725	1570	48.44	74.3	353.4312	391.9
194	37.99615	1570	48.44	75.5	353.662422	391.9
194	38.93485	1569	48.44	77.4	354.575	392.104
194	39.235	1571	48.44	79.5	355.403542	392.907558
194	39.72833	1574	48.44	81	361.522921	394.624806
194	40.56898	1582	48.775	78.6	364.904331	398.004464
	43.76541	1586	49.06	79	366.399592	401.956055
	40.95725	1588	49.06	78.6	368.45	404.7
	40.12017	1597	49.06	78.8	368.497095	404.3881
	38.53962	1601	49.334	77.5	369.935701	403.174213
	36.09982	1605	49.68	75.6	368.7664	401.262573
	29.52346	1466	49.68	68.9	367.291286	397.602106
	23.54004	1332	49.374	67.5	364.694271	391.325075
	25.26939	1323	49.06	65.4	361.457829	385.632245
	25.89103	1316	49.06	66.4	360.482994	381.478416
	25.99617	1313	48.746	68.3	358.135282	378.118431
194	25.28441	1309	48.44	59.7	355.327964	373.681808
194	22.47756	1302	48.44	56.6	353.79225	367.69902
194	23.63794	1297	47.82	58	348.721429	362.238068
194	24.44427	1282	47.82	65.7	347.209827	358.814371
194	28.5776	1281	47.2	77.4	345.588953	359.771806
194	35.32141	1283	47.2	79.6	344.440865	368.459935
194	57.64581	1290	47.82	80.6	347.043868	389.162427
194	68.75498	1326	48.515	87	353.75791	414.25
194	70.37566	1352	49.68	88.4	359.042788	432.71982
194.1	70.213	1379	50.357	86.9	363.98729	444.244912
194.5	71.24387	1396	51.54	85.9	369.175806	454.266798
194.8	71.51445	1421	52.171	85.4	367.657631	461.742935
195.2	65.15582	1430	53.081	79.8	349.047609	464.956345
195.6	59.66049	1446	53.41	83	347.246015	466.018367
196	64.92319	1460	54.03	82.3	370.935928	471.574583
196.4	58.66478	1466	54.03	79.6	369.557829	472.026673
196.8	52.4195	1461	54.65	82.7	375.046316	468.536329
197.2	50.72295	1461	54.03	83.5	396.45	466.501782
197.6	51.24338	1459	54.03	81.1	402.010769	464.734907

0.29779	0.2086	3.93233	6728
0.29783	0.20875	3.93505	6733.121
0.29787	0.20888	3.9378	6738.618
0.29791	0.20905	3.9403	6744.209
0.29795	0.20919	3.94276	6749.704
0.29798	0.20934	3.94512	6754.914
0.29801	0.20941	3.94761	6759.902
0.29804	0.20956	3.9502	6764.788
0.29807	0.20969	3.95267	6769.423
0.2981	0.20982	3.95505	6773.894
0.29813	0.20998	3.95746	6778.373
0.29816	0.21008	3.96013	6782.881
0.29819	0.21028	3.96304	6787.643
0.29822	0.21041	3.96595	6792.628
0.29825	0.2106	3.96873	6797.753
0.29827	0.21076	3.97155	6802.951
0.2983	0.21091	3.97446	6808.364
0.29833	0.2111	3.97748	6814.093
0.29836	0.21121	3.98053	6820.007
0.29839	0.2114	3.98336	6825.839
0.29842	0.21152	3.98604	6831.349
0.29844	0.2117	3.98915	6836.53
0.29846	0.21183	3.9921	6841.396
0.29848	0.21196	3.99466	6845.579
0.2985	0.21208	3.99645	6848.888
0.29852	0.21217	3.99804	6852.147
0.29854	0.21231	3.99964	6855.421
0.29856	0.21244	4.00125	6858.727
0.29857	0.2126	4.00276	6861.787
0.29858	0.21272	4.00431	6864.574
0.29859	0.21286	4.00609	6867.376
0.29861	0.21304	4.00807	6870.353
0.29863	0.21324	4.01036	6873.885
0.29865	0.21355	4.01333	6878.895
0.29868	0.21389	4.0186	6887.48
0.29872	0.21433	4.02561	6898.735
0.29876	0.2147	4.03293	6910.601
0.29882	0.21506	4.04019	6922.024
0.299	0.21549	4.04778	6933.412
0.29935	0.21585	4.05489	6944.655
0.29972	0.21627	4.0612	6954.275
0.30007	0.21651	4.06753	6963.379
0.30043	0.21678	4.07369	6973.287
0.30071	0.21699	4.07822	6982.039
0.3009	0.21719	4.08153	6989.698
0.30103	0.21741	4.0851	6997.29
0.30113	0.21756	4.08831	7004.97

12:16:09.701	-13	0.00008	0.0003	0.00308	7.499	0.000724
12:16:10.701	-13	0.00006	0.00019	0.00295	7.179	0.000693
12:16:11.701	-13	0.00004	0.00029	0.00328	7.976	0.00077
12:16:12.701	-13	0.00004	0.00026	0.00354	9.317	0.000899
12:16:13.701	-13	0.00003	0.00026	0.00305	8.871	0.000856
12:16:14.701	-13	0.00004	0.00032	0.00348	8.889	0.000858
12:16:15.701	-13	0.00004	0.00023	0.00376	9.437	0.000911
12:16:16.701	-13	0.00003	0.00035	0.00356	8.858	0.000855
12:16:17.701	-13	0.00002	0.0002	0.0033	7.488	0.000723
12:16:18.701	-13	0.00002	0.00026	0.00334	6.635	0.000641
12:16:19.701	-13	0.00002	0.00017	0.00348	6.312	0.00061
12:16:20.701	-13	0.00003	0.0002	0.00307	6.248	0.000603
12:16:21.701	-13	0.00002	0.00021	0.0027	6.185	0.000597
12:16:22.701	-13	0.00002	0.0002	0.00238	5.628	0.000543
12:16:23.701	-13	0.00002	0.00025	0.00272	5.481	0.00053
12:16:24.701	-13	0.00002	0.00015	0.00362	6.577	0.000635
12:16:25.701	-13	0.00002	0.00025	0.0044	8.11	0.000783
12:16:26.701	-13	0.00002	0.0002	0.00329	8.05	0.000777
12:16:27.701	-13	0.00002	0.00018	0.00248	6.619	0.000639
12:16:28.701	-13	0.00002	0.00014	0.00277	5.711	0.000552
12:16:29.701	-13	0.00002	0.00014	0.00311	6.216	0.0006
12:16:30.701	-13	0.00002	0.00021	0.0026	6.958	0.000672
12:16:31.701	-13	0.00002	0.00013	0.00194	6.818	0.000658
12:16:32.701	-13	0.00002	0.00013	0.00177	5.947	0.000574
12:16:33.701	-13	0.00002	0.0001	0.00215	5.402	0.000522
12:16:34.701	-13	0.00002	0.00011	0.00244	5.166	0.000499
12:16:35.701	-13	0.00002	0.00013	0.00251	5.019	0.000485
12:16:36.701	-13	0.00002	0.00009	0.00234	4.858	0.000469
12:16:37.701	-13	0.00002	0.00015	0.00203	4.676	0.000452
12:16:38.701	-13	0.00002	0.00008	0.00205	4.713	0.000455
12:16:39.701	-13	0.00002	0.00016	0.00224	5.288	0.000511
12:16:40.701	-13	0.00002	0.00016	0.00238	7.105	0.000686
12:16:41.701	-13	0.00003	0.0002	0.00247	8.742	0.000843
12:16:42.701	-13	0.00003	0.00021	0.00299	9.422	0.000909
12:16:43.701	-13	0.00003	0.00009	0.00299	8.909	0.00086
12:16:44.701	-13	0.00003	0.00008	0.00312	7.726	0.000746
12:16:45.701	-13	0.00002	0	0.00271	5.65	0.000546
12:16:46.701	-13	0.00002	0.00013	0.00302	5.107	0.000493
12:16:47.701	-13	0.00003	0.0001	0.0036	5.573	0.000538
12:16:48.701	-13	0.00002	0.00013	0.00343	6.123	0.000591
12:16:49.701	-13	0.00002	0.0001	0.0026	6.418	0.00062
12:16:50.701	-13	0.00002	0.00002	0.00236	6.659	0.000643
12:16:51.701	-13	0.00002	0.00006	0.00226	6.541	0.000631
12:16:52.701	-13	0.00002	0.00002	0.00219	5.678	0.000548
12:16:53.701	-13	0.00002	0.00011	0.0021	4.984	0.000481
12:16:54.701	-13	0.00002	0.00004	0.00185	4.593	0.000444
12:16:55.701	-13	0.00001	0.00008	0.00216	4.882	0.000472

55.9	1.10E+00	1.000	0.400	0.754	0.311	12.700
55.8	8.00E-01	0.600	0.400	0.500	0.311	8.600
55.5	5.00E-01	0.300	0.400	0.211	0.311	11.600
55.4	4.00E-01	0.100	0.400	0.077	0.309	9.300
55	4.00E-01	0.100	0.400	0.077	0.310	9.700
55	4.00E-01	0.100	0.400	0.078	0.310	11.500
54.9	4.00E-01	0.100	0.400	0.078	0.310	8.000
54.9	4.00E-01	0.100	0.400	0.053	0.310	12.700
54.9	3.00E-01	0.000	0.400	0.000	0.311	8.300
55	3.00E-01	0.000	0.400	0.000	0.312	11.800
55.2	3.00E-01	0.000	0.400	0.000	0.336	8.200
55.1	4.00E-01	0.000	0.500	0.000	0.390	9.600
54.7	4.00E-01	0.000	0.500	0.000	0.365	10.400
54.8	3.00E-01	0.000	0.400	0.000	0.312	11.200
55	3.00E-01	0.000	0.400	0.000	0.313	13.100
55	3.00E-01	0.000	0.400	0.000	0.311	7.200
54.9	3.00E-01	-0.100	0.400	0.000	0.309	10.200
55	3.00E-01	-0.100	0.400	0.000	0.309	8.300
55.5	3.00E-01	-0.100	0.400	0.000	0.311	8.300
55.5	3.00E-01	-0.100	0.400	0.000	0.313	7.400
55.7	3.00E-01	-0.100	0.400	0.000	0.312	6.700
55.7	3.00E-01	-0.100	0.400	0.000	0.310	10.000
55.7	3.00E-01	-0.100	0.400	0.000	0.310	6.000
55.9	3.00E-01	-0.100	0.400	0.000	0.311	6.900
56.6	3.00E-01	-0.100	0.400	0.000	0.312	5.700
56.6	3.00E-01	-0.200	0.400	0.000	0.313	6.500
56.8	3.00E-01	-0.200	0.400	0.000	0.312	7.500
56.8	3.00E-01	-0.400	0.400	0.000	0.312	5.800
57	3.00E-01	-0.400	0.400	0.000	0.312	9.900
57	3.00E-01	-0.400	0.400	0.000	0.312	5.300
57	3.00E-01	-0.400	0.400	0.000	0.311	9.500
57	3.00E-01	-0.400	0.400	0.000	0.310	7.200
56.8	3.00E-01	-0.500	0.400	0.000	0.308	7.900
57.1	4.00E-01	-0.500	0.500	0.000	0.385	7.800
58	4.00E-01	-0.500	0.500	0.000	0.386	3.300
58.1	4.00E-01	-0.500	0.500	0.000	0.388	3.300
58.5	4.00E-01	-0.500	0.500	0.000	0.390	0.000
58.5	4.00E-01	-0.500	0.500	0.000	0.392	7.400
58.3	4.00E-01	-0.500	0.500	0.000	0.392	5.400
58.3	3.00E-01	-0.500	0.400	0.000	0.311	6.500
58.5	3.00E-01	-0.500	0.400	0.000	0.311	5.200
58.5	3.00E-01	-0.500	0.400	0.000	0.310	1.000
58.3	3.00E-01	-0.500	0.400	0.000	0.310	3.200
58.3	3.00E-01	-0.500	0.400	0.000	0.337	1.200
58.5	4.00E-01	-0.500	0.500	0.000	0.391	6.500
58.3	3.00E-01	-0.400	0.400	0.000	0.313	2.400
57.8	2.00E-01	-0.400	0.300	0.000	0.235	5.000

197.6	50.8655	1448	54.03	81.2	389.231923	462.790879
197.6	46.97428	1442	53.444	82.6	376.92476	459.893882
197.6	52.72033	1433	53.41	85.5	362.50122	461.143878
197.6	59.78945	1428	53.176	83.9	353.93668	468.674429
197.8	55.57487	1430	52.78	83.8	343.491887	472.033913
198.1	55.44046	1427	52.78	86.8	344.127692	474.608891
198.5	61.15732	1426	53.092	85.5	347.198148	480.202159
198.9	56.24111	1438	53.41	81.5	359.228272	481.2
199.3	50.91831	1431	53.41	82.1	377.08	478.068
199.4	44.07476	1433	53.41	80.8	392.760422	471.287188
199.4	42.86043	1429	53.41	83.4	391.730221	466.342914
199.4	42.48963	1429	52.78	83.1	388.838367	464.4
199.4	42.84494	1429	53.127	80.1	402.640338	462.81
199.4	38.17584	1427	52.78	77	400.306276	455.358258
199.4	36.00161	1429	52.78	82.7	395.505509	449.491608
199.4	44.89863	1432	53.41	92.4	396.744167	455.488072
199.4	51.04607	1438	53.41	87.4	400.5152	466.00504
199.4	48.82841	1444	53.41	78	406.560306	468.706387
199.4	42.69294	1446	54.03	80.7	404.275157	463.37952
199.1	40.56902	1447	54.03	85.4	400.816906	460.23874
198.7	42.22584	1455	54.03	88.4	395.489877	462.075602
198.4	45.66755	1464	54.426	84.1	401.719348	465.445855
198	44.39125	1468	54.65	80.4	400.666667	465.928048
197.6	38.81493	1472	54.65	79.7	399.420465	460.459846
197.6	36.87251	1479	54.65	83.1	384.586744	453.65342
197.6	34.78918	1481	54.65	83.6	378.187692	449.574174
197.6	35.52	1482	55.27	82.9	366.048571	446.673165
197.6	33.20947	1483	55.27	78.8	359.689778	442.911613
197.6	32.77199	1484	55.27	80.1	351.241538	439.873449
197.6	33.55078	1483	55.27	80.5	351.853846	436.5862
197.6	37.61435	1481	55.27	85.3	351.870537	437.641059
197.6	46.75962	1489	55.27	90.7	363.865816	447.651899
197.6	52.72	1498	55.27	85.1	379.566623	460.491667
197.6	56.79347	1504	55.89	81.1	395.009476	467.487665
197.6	54.83098	1511	56.103	78.6	399.288935	469.444
197.6	49.96682	1521	56.51	76.2	399.661458	467.187273
197.6	40.55608	1521	56.51	76.4	397.820769	459.823556
197.6	35.5814	1515	56.51	82.3	385.361996	451.473778
197.6	40.40722	1514	56.51	86.7	376.990403	451.316399
197.6	41.08037	1514	56.51	84.4	380.35896	454.08335
197.6	42.3972	1517	56.51	85.2	379.385947	456.385481
197.6	43.51515	1518	56.51	84.9	380.367179	459.007307
	44.9671	1519	56.51	77.7	382.259963	459.9
	36.34831	1515	56.464	73.9	383.961303	454.314371
	34.26333	1507	55.89	80.3	382.543679	446.429077
	32.6575	1501	55.813	78.2	380.687683	440.969167
	35.63	1493	55.27	85.9	378.314176	440.539208

0.30121	0.21786	4.09139	7012.469
0.30127	0.21805	4.09434	7019.648
0.30131	0.21834	4.09762	7027.624
0.30135	0.2186	4.10116	7036.941
0.30138	0.21886	4.10421	7045.812
0.30142	0.21918	4.10769	7054.701
0.30146	0.21941	4.11145	7064.138
0.30149	0.21976	4.11501	7072.996
0.30151	0.21996	4.11831	7080.484
0.30153	0.22022	4.12165	7087.119
0.30155	0.22039	4.12513	7093.431
0.30158	0.22059	4.1282	7099.679
0.3016	0.2208	4.1309	7105.864
0.30162	0.221	4.13328	7111.492
0.30164	0.22125	4.136	7116.973
0.30166	0.2214	4.13962	7123.55
0.30168	0.22165	4.14402	7131.66
0.3017	0.22185	4.14731	7139.71
0.30172	0.22203	4.14979	7146.329
0.30174	0.22217	4.15256	7152.04
0.30176	0.22231	4.15567	7158.256
0.30178	0.22252	4.15827	7165.214
0.3018	0.22265	4.16021	7172.032
0.30182	0.22278	4.16198	7177.979
0.30184	0.22288	4.16413	7183.381
0.30186	0.22299	4.16657	7188.547
0.30188	0.22312	4.16908	7193.566
0.3019	0.22321	4.17142	7198.424
0.30192	0.22336	4.17345	7203.1
0.30194	0.22344	4.1755	7207.813
0.30196	0.2236	4.17774	7213.101
0.30198	0.22376	4.18012	7220.206
0.30201	0.22396	4.18259	7228.948
0.30204	0.22417	4.18558	7238.37
0.30207	0.22426	4.18857	7247.279
0.3021	0.22434	4.19169	7255.005
0.30212	0.22434	4.1944	7260.655
0.30214	0.22447	4.19742	7265.762
0.30217	0.22457	4.20102	7271.335
0.30219	0.2247	4.20445	7277.458
0.30221	0.2248	4.20705	7283.876
0.30223	0.22482	4.20941	7290.535
0.30225	0.22488	4.21167	7297.076
0.30227	0.2249	4.21386	7302.754
0.30229	0.22501	4.21596	7307.738
0.30231	0.22505	4.21781	7312.331
0.30232	0.22513	4.21997	7317.213

12:16:56.701	-13	0.00001	0.00009	0.002	5.347	0.000516
12:16:57.701	-13	0.00001	0.00004	0.00214	6.202	0.000599
12:16:58.701	-13	0.00001	0.00015	0.00308	8.052	0.000777
12:16:59.701	-13	0.00001	0.00003	0.00353	8.785	0.000847
12:17:00.701	-13	0.00001	0.00016	0.00337	8.176	0.000789
12:17:01.701	-13	0.00001	0.00005	0.00319	5.816	0.000562
12:17:02.701	-13	0	0.00008	0.00158	5.108	0.000493
12:17:03.701	-13	0	0.00007	0.00196	4.939	0.000477
12:17:04.701	-13	0	0.00005	0.00222	5.062	0.000489
12:17:05.701	-13	0	0.00008	0.00195	4.812	0.000465
12:17:06.701	-13	0	0.00005	0.00175	4.276	0.000413
12:17:07.701	-13	0	0.00008	0.00219	4.144	0.0004
12:17:08.701	-13	0	0.00005	0.00236	4.045	0.000391
12:17:09.701	-13	0	0.00008	0.00202	4.004	0.000387
12:17:10.701	-13	0	0.00006	0.00202	3.957	0.000382
12:17:11.701	-13	0	0.00003	0.00175	3.245	0.000314
12:17:12.701	-13	0	0.00005	0.00127	2.232	0.000216
12:17:13.701	-13	0	0.00001	0.00097	1.544	0.000149
12:17:14.701	-13	0	0.00008	0.00064	1.214	0.000117
12:17:15.701	-13	0	0.00007	0.00066	0.99	0.000096
12:17:16.701	-13	0	0.00014	0.00083	1.12	0.000109
12:17:17.701	-13	0	0.00013	0.00127	1.068	0.000104
12:17:18.701	-13	0	0.00013	0.00256	1.839	0.000178
12:17:19.701	-13	0	0.00016	0.00337	2.614	0.000253
12:17:20.701	-13	0	0.00009	0.00186	2.599	0.000251
12:17:21.701	-13	0	0.00016	0.0009	2.483	0.00024
12:17:22.701	-13	0	0.0001	0.00147	2.02	0.000196
12:17:23.701	-13	0	0.00013	0.00259	2.516	0.000244
12:17:24.701	-13	0	0.00012	0.00271	3.116	0.000302
12:17:25.701	-13	0	0.00012	0.0017	3.418	0.000331
12:17:26.701	-13	0	0.00017	0.00175	3.75	0.000363
12:17:27.701	-13	0	0.00012	0.00226	4.264	0.000412
12:17:28.701	-13	0	0.00016	0.00244	4.973	0.000481
12:17:29.701	-13	0	0.00009	0.00237	5.867	0.000566
12:17:30.701	-13	0.00001	0.00018	0.0025	7.488	0.000723
12:17:31.701	-13	0.00001	0.00013	0.00227	6.763	0.000653
12:17:32.701	-13	0	0.00013	0.00172	5.328	0.000514
12:17:33.701	-13	0	0.00015	0.00174	4.436	0.000429
12:17:34.701	-13	0	0.00006	0.00149	3.65	0.000353
12:17:35.701	-13	0	0.00012	0.00158	3.938	0.00038
12:17:36.701	-13	0	0.00011	0.00167	4.171	0.000403
12:17:37.701	-13	0	0.00019	0.00218	5.985	0.000578
12:17:38.701	-13	0	0.00025	0.00468	11.261	0.001086
12:17:39.701	-13	0	0.00016	0.00342	12.211	0.001178
12:17:40.701	-13	0	0.00018	0.00324	8.858	0.000855
12:17:41.701	-13	0	0.00002	0.0028	5.732	0.000554
12:17:42.701	-13	0	0.00012	0.00181	4.456	0.000431

57.6	2.00E-01	-0.400	0.300	0.000	0.234	5.300
57	2.00E-01	-0.400	0.200	0.000	0.155	2.000
56.9	1.00E-01	-0.400	0.100	0.000	0.077	6.200
56.6	1.00E-01	-0.400	0.100	0.000	0.077	1.400
56.6	1.00E-01	-0.400	0.100	0.000	0.077	6.400
56.8	1.00E-01	-0.500	0.100	0.000	0.078	2.600
56.8	1.00E-01	-0.400	0.100	0.000	0.078	4.200
56.8	1.00E-01	-0.400	0.100	0.000	0.078	4.100
56.8	1.00E-01	-0.400	0.100	0.000	0.078	2.900
56.7	1.00E-01	-0.400	0.100	0.000	0.078	5.200
56.7	1.00E-01	-0.400	0.100	0.000	0.078	3.200
56.7	1.00E-01	-0.400	0.100	0.000	0.078	5.400
56.7	1.00E-01	-0.400	0.100	0.000	0.078	3.300
56.7	1.00E-01	-0.500	0.100	0.000	0.079	5.300
56.8	1.00E-01	-0.500	0.100	0.000	0.079	4.300
57.1	1.00E-01	-0.400	0.100	0.000	0.079	2.900
57.2	1.00E-01	-0.400	0.100	0.000	0.079	5.900
57.5	1.00E-01	-0.400	0.100	0.000	0.080	2.100
57.4	1.00E-01	-0.500	0.100	0.000	0.081	12.500
57.1	1.00E-01	-0.500	0.100	0.000	0.082	10.400
57	1.00E-01	-0.500	0.100	0.000	0.083	13.300
56.5	0.00E+00	-0.500	0.000	0.000	0.000	10.800
56.5	0.00E+00	-0.500	0.000	0.000	0.000	9.600
56.3	0.00E+00	-0.500	0.000	0.000	0.000	11.800
56.2	0.00E+00	-0.500	0.000	0.000	0.000	7.600
56	0.00E+00	-0.500	0.000	0.000	0.000	11.900
55.9	0.00E+00	-0.500	0.000	0.000	0.000	7.300
55.5	0.00E+00	-0.500	0.000	0.000	0.000	9.500
55.4	0.00E+00	-0.500	0.000	0.000	0.000	8.600
55.2	0.00E+00	-0.500	0.000	0.000	0.000	8.200
55.2	0.00E+00	-0.400	0.000	0.000	0.000	10.900
55	0.00E+00	-0.400	0.000	0.000	0.026	7.400
55	1.00E-01	-0.400	0.100	0.000	0.078	9.300
55	1.00E-01	-0.400	0.100	0.000	0.078	4.500
55.1	1.00E-01	-0.400	0.100	0.000	0.077	7.700
55.4	1.00E-01	-0.400	0.100	0.000	0.077	6.500
55.5	1.00E-01	-0.300	0.100	0.000	0.078	7.400
56	1.00E-01	-0.300	0.100	0.000	0.079	9.400
56	1.00E-01	-0.300	0.100	0.000	0.079	4.200
56	1.00E-01	-0.300	0.100	0.000	0.079	8.400
55.9	0.00E+00	-0.300	0.000	0.000	0.000	7.100
55.6	0.00E+00	-0.300	0.000	0.000	0.000	9.800
55.6	0.00E+00	-0.300	0.000	0.000	0.000	7.700
55.6	0.00E+00	-0.300	0.000	0.000	0.000	4.500
55.8	0.00E+00	-0.300	0.000	0.000	0.000	6.100
56.6	0.00E+00	-0.200	0.000	0.000	0.000	1.100
56.6	0.00E+00	-0.200	0.000	0.000	0.000	6.700

197.6	37.30817	1482	55.219	81.8	380.356955	441.1
197.6	42.66255	1476	54.65	89.3	380.711923	446.3788
197.6	51.14314	1479	54.65	87.5	380.266196	457.798722
197.6	53.274	1478	54.65	79.9	379.529779	466.707449
197.6	51.47538	1483	55.27	79.5	381.072553	468.1264
197.6	36.92231	1481	55.115	76.9	381.632885	457.872028
197.6	36.63769	1480	54.65	91	379.382659	451.2508
197.6	33.47089	1476	54.65	85.6	374.790333	446.423466
197.6	37.05	1479	54.65	82	368.448646	444.576322
197.6	31.42219	1478	54.65	73.3	368.55	440.686733
197.4	29.58749	1477	54.65	71.2	375.031563	434.519121
197	31.13842	1479	54.65	70.8	382.132283	427.593689
196.6	29.1491	1484	55.27	69	383.501943	424.317431
196.3	28.95291	1485	55.27	77.8	392.355823	418.519574
195.9	31.90818	1496	55.27	73	390.024236	414.000592
195.5	23.2701	1497	55.89	52.3	386.807813	405.035005
195.1	22.10027	1498	55.89	28.3	379.565828	389.5819
194.8	13.44621	1493	55.27	3.9	370.458159	370.973278
194.4	13.17296	1483	55.27	21.7	362.711227	354.7945
194	13.09041	1475	54.65	10.2	355.071608	341.303896
193.7	25.82294	1467	54.65	19.2	349.26125	331.1866
193.3	26.08406	1466	54.65	62.1	345.280665	328.6122
192.9	27.85006	1468	54.65	56.8	348.533612	333.552184
192.5	29.34558	1467	54.65	51.9	355.922684	335.617987
192.2	20.86672	1444	54.088	32.9	355.964	328.031133
192.2	30.12806	1448	53.504	43.9	349.991603	320.623343
192.2	27.86567	1443	53.41	47.8	349.694151	322.717845
192.2	28.72853	1439	53.41	59.8	361.2915	327.772308
192.2	28.55947	1436	53.41	49.3	365.824898	331.948681
192.2	30.56719	1430	53.41	64.1	366.035192	335.571853
192.2	32.8431	1427	52.962	81.4	364.601996	345.569296
192.2	34.5938	1428	52.78	85.1	366.393111	356.135522
192.2	38.6253	1433	53.278	84.9	367.399737	369.794891
192.2	39.9981	1435	53.41	88.4	369.675255	382.144618
	49.01998	1452	53.98	86.4	373.445208	402.570763
	46.85904	1455	54.03	72.4	375.115574	414.317976
	33.29116	1460	54.03	72.3	373.371414	404.653521
	33.64419	1459	54.03	77.8	373.123634	400.486373
	26.93048	1452	54.03	68.4	373.000415	399.568317
194	31.32971	1450	54.03	68.3	371.357143	392.677278
194	31.99309	1446	54.005	84.3	372.887344	391.328651
194	42.778	1447	53.563	97.3	377.774534	403.648676
194	68.95331	1457	54.194	93	386.907143	428.139156
194	74.86415	1472	54.65	74.1	394.858628	451.726882
194	60.28519	1475	54.65	65.1	410.912287	455.218567
194	45.29247	1472	54.65	75.7	405.72	445.661281
194	34.42683	1459	54.03	61.9	398.583673	430.992806

0.30233	0.22522	4.22197	7322.56
0.30234	0.22526	4.22411	7328.762
0.30235	0.22541	4.22719	7336.814
0.30236	0.22544	4.23072	7345.599
0.30237	0.2256	4.23409	7353.775
0.30238	0.22565	4.23728	7359.591
0.30238	0.22573	4.23886	7364.699
0.30238	0.2258	4.24082	7369.638
0.30238	0.22585	4.24304	7374.7
0.30238	0.22593	4.24499	7379.512
0.30238	0.22598	4.24674	7383.788
0.30238	0.22606	4.24893	7387.932
0.30238	0.22611	4.25129	7391.977
0.30238	0.22619	4.25331	7395.981
0.30238	0.22625	4.25533	7399.938
0.30238	0.22628	4.25708	7403.183
0.30238	0.22633	4.25835	7405.415
0.30238	0.22634	4.25932	7406.959
0.30238	0.22642	4.25996	7408.173
0.30238	0.22649	4.26062	7409.163
0.30238	0.22663	4.26145	7410.283
0.30238	0.22676	4.26272	7411.351
0.30238	0.22689	4.26528	7413.19
0.30238	0.22705	4.26865	7415.804
0.30238	0.22714	4.27051	7418.403
0.30238	0.2273	4.27141	7420.886
0.30238	0.2274	4.27288	7422.906
0.30238	0.22753	4.27547	7425.422
0.30238	0.22765	4.27818	7428.538
0.30238	0.22777	4.27988	7431.956
0.30238	0.22794	4.28163	7435.706
0.30238	0.22806	4.28389	7439.97
0.30238	0.22822	4.28633	7444.943
0.30238	0.22831	4.2887	7450.81
0.30239	0.22849	4.2912	7458.298
0.3024	0.22862	4.29347	7465.061
0.3024	0.22875	4.29519	7470.389
0.3024	0.2289	4.29693	7474.825
0.3024	0.22896	4.29842	7478.475
0.3024	0.22908	4.3	7482.413
0.3024	0.22919	4.30167	7486.584
0.3024	0.22938	4.30385	7492.569
0.3024	0.22963	4.30853	7503.83
0.3024	0.22979	4.31195	7516.041
0.3024	0.22997	4.31519	7524.899
0.3024	0.22999	4.31799	7530.631
0.3024	0.23011	4.3198	7535.087

12:17:43.701	-13	0	0.00004	0.00167	3.027	0.000293
12:17:44.701	-13	0	0.00009	0.00171	2.598	0.000251
12:17:45.701	-13	0	0.00009	0.00186	2.681	0.000259
12:17:46.701	-13	0	0.00016	0.00248	3.941	0.000381
12:17:47.701	-13	0	0.00032	0.00476	8.216	0.000794
12:17:48.701	-13	0	0.00019	0.00676	11.904	0.001149
12:17:49.701	-13	0	0.00022	0.00192	7.576	0.000731
12:17:50.701	-13	0	0.00008	0.00232	5.252	0.000507
12:17:51.701	-13	0	0.00006	0.00189	4.021	0.000388
12:17:52.701	-13	0	0.00002	0.00143	2.972	0.000287
12:17:53.701	-13	0	0.00008	0.00184	2.93	0.000283
12:17:54.701	-13	0	0.00015	0.00248	3.682	0.000356
12:17:55.701	-13	0	0.00013	0.00183	4.048	0.000391
12:17:56.701	-13	0	0.00014	0.00112	3.768	0.000364
12:17:57.701	-13	0	0.0001	0.00127	3.228	0.000312
12:17:58.701	-13	0	0.00013	0.00162	3.244	0.000314
12:17:59.701	-13	0	0.0001	0.00164	3.304	0.000319
12:18:00.701	-13	0	0.00012	0.00157	3.567	0.000345
12:18:01.701	-13	0	0.0001	0.00148	3.108	0.0003
12:18:02.701	-13	0	0.00006	0.00117	2.757	0.000266
12:18:03.701	-13	0	0.00011	0.00115	2.338	0.000226
12:18:04.701	-13	0	0.0001	0.00104	2.233	0.000216
12:18:05.701	-13	0	0.00018	0.00121	1.835	0.000178
12:18:06.701	-13	0	0.00017	0.00245	2.455	0.000238
12:18:07.701	-13	0	0.0002	0.00498	5.095	0.000493
12:18:08.701	-13	0	0.00032	0.00863	10.578	0.001022
12:18:09.701	-13	0	0.00021	0.00648	12.096	0.001167
12:18:10.701	-13	0	0.00028	0.00533	11.641	0.001124
12:18:11.701	-13	0	0.00015	0.00414	10.505	0.001014
12:18:12.701	-13	0	0.0002	0.00208	6.248	0.000604
12:18:13.701	-13	0	0.00009	0.00246	4.091	0.000395
12:18:14.701	-13	0	0.00011	0.00236	3.472	0.000336
12:18:15.701	-13	0	0.00016	0.00259	3.807	0.000368
12:18:16.701	-13	0	0.00016	0.00291	4.868	0.000471
12:18:17.701	-13	0	0.00026	0.00397	7.829	0.000756
12:18:18.701	-13	0	0.00018	0.0046	9.518	0.000919
12:18:19.701	-13	0	0.00032	0.00393	9.767	0.000943
12:18:20.701	-13	0	0.00021	0.00402	8.274	0.000799
12:18:21.701	-13	0	0.00022	0.00308	6.3	0.000609
12:18:22.701	-13	0	0.00019	0.00271	5.21	0.000503
12:18:23.701	-13	0	0.00016	0.00316	5.44	0.000526
12:18:24.701	-13	0	0.0002	0.00274	5.023	0.000485
12:18:25.701	-13	0	0.00015	0.00192	4.66	0.00045
12:18:26.701	-13	0	0.00018	0.00219	4.104	0.000397
12:18:27.701	-13	0	0.00011	0.00152	2.73	0.000264
12:18:28.701	-13	0	0.00011	0.00132	2.428	0.000235
12:18:29.701	-13	0	0.00013	0.00107	2.052	0.000199

56.4	0.00E+00	-0.200	0.000	0.000	0.000	3.200
56	0.00E+00	-0.200	0.000	0.000	0.000	7.400
54.8	0.00E+00	-0.200	0.000	0.000	0.000	7.500
54.3	0.00E+00	-0.200	0.000	0.000	0.000	9.900
52.9	0.00E+00	-0.200	0.000	0.000	0.000	12.000
52.8	0.00E+00	-0.300	0.000	0.000	0.000	5.400
52.5	0.00E+00	-0.200	0.000	0.000	0.000	8.800
52.6	0.00E+00	-0.200	0.000	0.000	0.000	4.200
53.1	0.00E+00	-0.200	0.000	0.000	0.000	4.000
53	0.00E+00	-0.200	0.000	0.000	0.000	2.100
52.5	0.00E+00	-0.200	0.000	0.000	0.000	6.300
52.2	0.00E+00	-0.200	0.000	0.000	0.000	10.700
51.4	0.00E+00	-0.200	0.000	0.000	0.000	9.000
51.3	0.00E+00	-0.200	0.000	0.000	0.000	10.100
50.9	0.00E+00	-0.300	0.000	0.000	0.000	8.200
50.8	0.00E+00	-0.300	0.000	0.000	0.000	10.100
50.4	0.00E+00	-0.300	0.000	0.000	0.000	7.600
50.3	0.00E+00	-0.400	0.000	0.000	0.000	8.900
49.9	0.00E+00	-0.500	0.000	0.000	0.000	8.700
49.8	0.00E+00	-0.500	0.000	0.000	0.000	6.200
49.4	0.00E+00	-0.500	0.000	0.000	0.000	11.600
49.1	0.00E+00	-0.600	0.000	0.000	0.000	10.000
48	0.00E+00	-0.700	0.000	0.000	0.000	15.600
47.7	0.00E+00	-0.800	0.000	0.000	0.000	11.700
46.8	0.00E+00	-0.800	0.000	0.000	0.000	10.000
46.8	0.00E+00	-0.800	0.000	0.000	0.000	9.500
46.7	0.00E+00	-0.800	0.000	0.000	0.000	5.800
47.1	0.00E+00	-0.600	0.000	0.000	0.000	7.700
48.2	0.00E+00	-0.300	0.000	0.000	0.000	4.300
48.5	0.00E+00	-0.100	0.000	0.000	0.000	8.600
49.6	0.00E+00	0.000	0.000	0.000	0.000	5.300
49.5	0.00E+00	0.000	0.000	0.000	0.000	7.700
49.1	0.00E+00	0.000	0.000	0.000	0.000	10.300
48.9	0.00E+00	0.000	0.000	0.000	0.000	8.800
48.2	0.00E+00	-0.100	0.000	0.000	0.000	10.000
48.2	0.00E+00	-0.100	0.000	0.000	0.000	6.200
48.3	0.00E+00	-0.100	0.000	0.000	0.000	10.600
48.6	0.00E+00	-0.100	0.000	0.000	0.000	7.600
49.5	0.00E+00	-0.200	0.000	0.000	0.000	9.800
49.6	0.00E+00	-0.200	0.000	0.000	0.000	10.000
50.1	0.00E+00	-0.200	0.000	0.000	0.000	8.000
50.1	0.00E+00	-0.200	0.000	0.000	0.000	11.200
50.1	0.00E+00	-0.200	0.000	0.000	0.000	8.700
50	0.00E+00	-0.200	0.000	0.000	0.000	11.800
49.7	0.00E+00	-0.300	0.000	0.000	0.000	11.300
49.5	0.00E+00	-0.300	0.000	0.000	0.000	11.600
49	0.00E+00	-0.400	0.000	0.000	0.000	14.100

194	26.83403	1437	53.41	46.1	390.686151	412.499216
194	22.09423	1412	52.481	59.5	379.859756	395.271009
194	28.4992	1390	51.54	73.8	372.934211	385.458997
194	31.47861	1374	50.92	85.3	370.565432	386.214693
194	54.76706	1368	50.92	91.4	371.821901	403.196552
194	74.21509	1384	50.92	86.8	377.928798	429.624731
194	49.57133	1380	51.54	76.2	381.237162	437.070588
194.4	40.04625	1381	51.448	92.8	372.248372	436.364835
194.8	25.08141	1370	50.92	55.1	366.138847	426.895765
195.2	20.89623	1356	50.3	52.2	362.267347	411.641207
195.5	23.89778	1344	49.68	73.6	360.85	402.409892
195.8	32.01573	1334	49.68	76.4	359.834906	401.080392
195.8	29.09534	1329	49.06	64.7	356.252204	397.581319
195.8	27.00134	1321	49.06	54.9	351.545652	388.412903
195.8	25.99062	1312	48.44	57.8	356.420308	383.395652
195.8	27.03308	1303	48.44	66.6	358.405371	379.611304
	27.05046	1300	48.44	68.8	359.519756	381.417426
	27.92624	1294	47.82	68.3	358.155833	379.61969
	24.86943	1289	47.82	59.9	357.586122	380.058763
	20.74578	1274	47.2	36.8	356.119833	371.647076
	20.63577	1257	46.509	11.3	350.879158	355.205923
194	18.92014	1244	45.888	26.2	346.159091	339.657424
194	23.73617	1229	45.33	69.1	344.502484	335.991935
194	30.66183	1217	45.178	77.7	347.429177	348.740385
194	47.48938	1216	45.15	86.7	350.369098	366.629279
194	68.35834	1553	45.33	94.8	361.699811	400.103718
194	75.49551	1505	46.394	82.2	378.419577	428.857771
194	75.18604	1528	46.992	81.5	388.748764	444.32298
194	68.42858	1551	47.82	66.9	396.011824	449.766667
194	50.79773	1550	47.82	73.1	392.919026	443.334653
	24.69445	1546	47.82	69.3	374.435115	430.167174
	27.74667	1528	47.2	62.2	371.056827	416.572915
	30.53196	1514	46.636	73.5	368.056089	407.134702
	38.71328	1505	46.58	79.6	366.552104	406.960971
	55.66216	1508	46.58	86.9	367.950463	423.485069
194	63.37772	1526	47.1	76.1	375.680251	442.9
194.4	63.91819	1542	47.82	77.9	370.355245	453.811745
194.8	59.59826	1557	47.82	73.6	358.77428	457.777778
195.2	50.31872	1560	48.44	70.1	362.545385	447.919846
195.6	30.69057	1563	48.44	77.1	366.467041	440.80297
	43.95303	1562	48.44	79.6	363.538333	436.1
	33.81166	1563	48.44	74.5	362.309263	435.756944
	34.38157	1560	47.877	72.7	360.170565	426.849693
	34.82129	1549	47.82	61.6	360.827812	421.3389
	19.06261	1308	47.257	43.5	357.033333	406.659091
195.6	18.37688	1268	47.2	32.9	352.805658	390.792
195.2	20.78429	1251	46.58	40.6	350.704928	376.896739

0.3024	0.23015	4.32147	7538.114
0.3024	0.23024	4.32318	7540.712
0.3024	0.23033	4.32504	7543.393
0.3024	0.23049	4.32752	7547.334
0.3024	0.23081	4.33228	7555.55
0.3024	0.231	4.33904	7567.454
0.3024	0.23122	4.34096	7575.03
0.3024	0.2313	4.34328	7580.282
0.3024	0.23136	4.34517	7584.303
0.3024	0.23138	4.3466	7587.275
0.3024	0.23146	4.34844	7590.205
0.3024	0.23161	4.35092	7593.887
0.3024	0.23174	4.35275	7597.935
0.3024	0.23188	4.35387	7601.703
0.3024	0.23198	4.35514	7604.931
0.3024	0.23211	4.35676	7608.175
0.3024	0.23221	4.3584	7611.479
0.3024	0.23233	4.35997	7615.046
0.3024	0.23243	4.36145	7618.154
0.3024	0.23249	4.36262	7620.911
0.3024	0.2326	4.36377	7623.249
0.3024	0.2327	4.36481	7625.482
0.3024	0.23288	4.36602	7627.317
0.3024	0.23305	4.36847	7629.772
0.3024	0.23325	4.37345	7634.867
0.3024	0.23357	4.38208	7645.445
0.3024	0.23378	4.38856	7657.541
0.3024	0.23406	4.39389	7669.182
0.3024	0.23421	4.39803	7679.687
0.3024	0.23441	4.40011	7685.935
0.3024	0.2345	4.40257	7690.026
0.3024	0.23461	4.40493	7693.498
0.3024	0.23477	4.40752	7697.305
0.3024	0.23493	4.41043	7702.173
0.3024	0.23519	4.4144	7710.002
0.3024	0.23537	4.419	7719.52
0.3024	0.23569	4.42293	7729.287
0.3024	0.2359	4.42695	7737.561
0.3024	0.23612	4.43003	7743.861
0.3024	0.23631	4.43274	7749.071
0.3024	0.23647	4.4359	7754.511
0.3024	0.23667	4.43864	7759.534
0.3024	0.23682	4.44056	7764.194
0.3024	0.237	4.44275	7768.298
0.3024	0.23711	4.44427	7771.028
0.3024	0.23722	4.44559	7773.456
0.3024	0.23735	4.44666	7775.508

12:18:30.701	-13	0	0.00014	0.00093	1.942	0.000188
12:18:31.701	-13	0	0.00023	0.00175	2.291	0.000222
12:18:32.701	-13	0	0.0002	0.00236	3.34	0.000323
12:18:33.701	-13	0	0.00025	0.00247	4.408	0.000426
12:18:34.701	-13	0.00001	0.00022	0.00213	5.314	0.000513
12:18:35.701	-13	0.00001	0.00027	0.00254	7.087	0.000684
12:18:36.701	-13	0.00001	0.00026	0.00317	7.461	0.00072
12:18:37.701	-13	0.00001	0.0002	0.00246	6.755	0.000652
12:18:38.701	-13	0.00001	0.00022	0.00231	5.092	0.000492
12:18:39.701	-13	0.00001	0.00017	0.003	4.867	0.00047
12:18:40.701	-13	0.00001	0.0002	0.00244	4.717	0.000456
12:18:41.701	-13	0.00001	0.00019	0.00199	4.512	0.000436
12:18:42.701	-13	0.00001	0.00026	0.00247	6.022	0.000581
12:18:43.701	-13	0.00002	0.00027	0.00237	7.18	0.000693
12:18:44.701	-13	0.00002	0.00019	0.00151	6.167	0.000595
12:18:45.701	-13	0.00002	0.00021	0.00099	4.687	0.000453
12:18:46.701	-13	0.00001	0.00012	0.0011	2.984	0.000288
12:18:47.701	-13	0.00001	0.00012	0.00131	2.564	0.000248
12:18:48.701	-13	0.00001	0.0001	0.00146	2.528	0.000244
12:18:49.701	-13	0.00001	0.00018	0.00209	3.064	0.000296
12:18:50.701	-13	0.00001	0.00019	0.00209	3.493	0.000338
12:18:51.701	-13	0.00001	0.00013	0.00129	3.283	0.000317
12:18:52.701	-13	0.00001	0.00017	0.00117	3.091	0.000299
12:18:53.701	-13	0.00001	0.00013	0.0018	3.178	0.000307
12:18:54.701	-13	0.00001	0.0002	0.00288	4.178	0.000404
12:18:55.701	-13	0.00001	0.00018	0.00255	5.344	0.000516
12:18:56.701	-13	0.00001	0.00019	0.00197	5.272	0.000509
12:18:57.701	-13	0.00001	0.00013	0.00118	3.476	0.000336
12:18:58.701	-13	0.00001	0.0001	0.00146	2.897	0.00028
12:18:59.701	-13	0.00001	0.00013	0.00193	2.979	0.000288
12:19:00.701	-13	0.00001	0.00011	0.00204	3.431	0.000332
12:19:01.701	-13	0.00001	0.00016	0.00153	3.374	0.000326
12:19:02.701	-13	0.00001	0.00009	0.00109	2.94	0.000284
12:19:03.701	-13	0.00001	0.00014	0.00168	3.557	0.000344
12:19:04.701	-13	0.00001	0.00018	0.00273	4.428	0.000428
12:19:05.701	-13	0.00001	0.00011	0.00268	4.886	0.000472
12:19:06.701	-12.3	0.00001	0.00009	0.00132	3.735	0.000361
12:19:07.701	-12	0.00001	0.00002	0.00078	2.838	0.000274
12:19:08.701	-12	0.00001	0.00006	0.00056	1.803	0.000174
12:19:09.701	-12	0.00001	0.00006	0.00083	1.556	0.000151
12:19:10.701	-12.8	0.00001	0.00011	0.00119	1.658	0.00016
12:19:11.701	-13	0.00001	0.00011	0.00122	1.437	0.000139
12:19:12.701	-12.3	0.00001	0.00015	0.00207	2.15	0.000208
12:19:13.701	-12	0.00001	0.00019	0.00512	3.941	0.000382
12:19:14.701	-12.8	0.00001	0.0001	0.00344	4.39	0.000424
12:19:15.701	-12.3	0.00001	0.00011	0.00183	3.68	0.000356
12:19:16.701	-12	0.00001	0.00007	0.00166	3.429	0.000331

48.7	0.00E+00	-0.400	0.000	0.000	0.000	14.000
47.9	0.00E+00	-0.400	0.000	0.000	0.000	20.100
47.8	0.00E+00	-0.400	0.000	0.000	0.000	14.300
47.4	0.00E+00	-0.400	0.000	0.000	0.025	16.000
47.4	2.00E-01	-0.400	0.200	0.000	0.156	12.600
47.4	2.00E-01	-0.400	0.200	0.000	0.155	12.100
47.5	2.00E-01	-0.400	0.200	0.000	0.155	11.500
48	2.00E-01	-0.400	0.200	0.000	0.156	9.100
48.1	2.00E-01	-0.400	0.200	0.000	0.157	12.200
48.4	2.00E-01	-0.400	0.200	0.000	0.157	9.500
48.4	2.00E-01	-0.400	0.200	0.000	0.157	11.900
48.6	2.00E-01	-0.400	0.200	0.000	0.157	11.300
48.6	2.00E-01	-0.400	0.200	0.000	0.156	13.300
48.6	2.00E-01	-0.400	0.300	0.000	0.232	12.300
48.7	3.00E-01	-0.400	0.300	0.000	0.256	9.900
49	3.00E-01	-0.400	0.400	0.000	0.313	12.800
49	3.00E-01	-0.400	0.400	0.000	0.316	10.400
48.8	2.00E-01	-0.400	0.300	0.000	0.237	12.100
48.6	2.00E-01	-0.400	0.300	0.000	0.238	9.200
47.9	2.00E-01	-0.400	0.300	0.000	0.238	14.600
47.8	2.00E-01	-0.400	0.300	0.000	0.235	15.000
47.6	2.00E-01	-0.400	0.300	0.000	0.234	12.000
47.5	2.00E-01	-0.400	0.300	0.000	0.236	14.900
47.1	2.00E-01	-0.400	0.300	0.000	0.237	10.200
47	2.00E-01	-0.400	0.300	0.000	0.235	13.900
46.8	2.00E-01	-0.400	0.300	0.000	0.233	10.300
46.9	2.00E-01	-0.400	0.300	0.000	0.233	11.600
47.4	2.00E-01	-0.400	0.300	0.000	0.235	10.800
47.4	2.00E-01	-0.400	0.300	0.000	0.237	9.300
47.4	2.00E-01	-0.400	0.300	0.000	0.237	11.200
47.4	2.00E-01	-0.400	0.300	0.000	0.236	9.100
47.3	2.00E-01	-0.400	0.300	0.000	0.235	13.500
47.3	2.00E-01	-0.400	0.300	0.000	0.236	8.300
47.1	2.00E-01	-0.400	0.300	0.000	0.237	9.900
47	2.00E-01	-0.400	0.300	0.000	0.236	11.500
46.8	2.00E-01	-0.400	0.300	0.000	0.233	7.300
46.9	2.00E-01	-0.400	0.300	0.000	0.234	7.200
47.2	2.00E-01	-0.400	0.300	0.000	0.236	2.200
47	2.00E-01	-0.400	0.300	0.000	0.238	7.800
46.5	2.00E-01	-0.400	0.300	0.000	0.240	8.200
46.2	2.00E-01	-0.400	0.300	0.000	0.242	12.400
45.1	2.00E-01	-0.500	0.300	0.000	0.245	11.200
44.8	2.00E-01	-0.500	0.300	0.000	0.245	9.800
44	2.00E-01	-0.500	0.300	0.000	0.239	11.100
44.1	2.00E-01	-0.500	0.300	0.000	0.235	6.200
44.4	2.00E-01	-0.500	0.300	0.000	0.235	8.800
44.4	2.00E-01	-0.500	0.300	0.000	0.236	5.700

194.8	22.58941	1241	45.95	61	350.743558	368.680225
194.4	24.01316	1237	45.95	71.8	353.80409	369.664731
194	30.81571	1229	45.657	82.2	357.907486	373.069231
194	35.57555	1228	45.681	78.9	361.326154	381.065165
194	37.43604	1238	45.95	85.7	362.425473	390.486574
194	42.65878	1240	45.95	96.5	368.107879	404.9096
194	48.68519	1253	46.58	75.2	375.244146	419.811178
194	44.46887	1264	46.58	58.3	380.022976	421.809046
194.4	45.90833	1261	46.58	73.8	378.058637	418.521146
194.7	40.46252	1263	46.963	66.7	380.006944	419.694995
195.1	31.16204	1261	46.58	65.6	373.850617	414.533061
195.5	35.43675	1253	46.58	91.3	367.921114	413.683478
195.8	41.06282	1264	46.735	88.6	355.393301	424.81
195.8	47.86006	1274	47.2	78.6	348.240173	439.114286
195.8	42.32042	1276	47.2	72	351.386898	441.783333
195.8	29.39814	1276	47.2	72.4	351.561297	431.418581
195.8	25.7772	1268	46.89	65	352.425333	422.680626
195.8	19.00636	1252	46.58	40.2	354.876	407.29325
195.8	21.2334	1243	45.95	66.7	349.28	397.593913
195.8	27.06262	1241	45.95	84.5	353.38551	399.544831
195.8	25.66176	1239	45.95	53.5	362.62468	399.423736
195.8	20.76224	1229	45.33	63.6	364.149487	387.704452
195.8	23.81734	1222	45.33	81.6	362.82	384.00375
195.8	28.39378	1218	45.33	74.8	367.308885	385.7
195.8	29.82397	1223	45.33	81.7	367.1756	388.488606
195.8	41.64355	1231	45.682	82.5	371.475094	397.53631
195.8	31.66082	1238	45.95	61.7	377.263571	402.143917
195.8	22.45458	1231	45.95	70.2	372.755828	395.043768
195.8	22.9577	1236	45.95	53.5	368.734677	388.671581
195.8	23.44857	1230	45.33	70.8	367.163289	384.036026
195.8	27.98966	1231	45.33	79.5	357.4	384.53939
195.7	23.40834	1231	45.33	37.6	354.116635	378.083787
195.3	20.47726	1220	45.33	55	351.474291	365.87304
195	32.30626	1224	45.33	82.7	351.211494	370.263824
194.6	35.92885	1227	45.33	71.1	351.16639	382.20567
194.2	30.16744	1228	45.33	76.1	351.493077	388.7915
194	26.88408	1224	45.33	63	352.455	385.256446
194	18.9546	1219	45.33	39.4	354.190394	373.275
194	15.76259	1188	44.71	24.4	352.87892	360.55641
194	10.49446	1186	43.773	16.7	350.168646	346.310973
194	14.31994	1166	42.87	10.6	346.353766	331.51197
194	21.46235	1152	42.77	48.4	344.260769	324.663072
194	31.44351	1148	42.301	88.7	343.56975	336.231836
194	39.96905	1154	42.85	76.3	348.353158	356.395233
194	26.18723	1159	42.85	68	350.2925	364.341553
194	27.12161	1161	43.18	85.7	349.541346	368.083077
194	28.46751	1167	43.47	80.2	349.946226	369.184247

0.3024	0.23749	4.44759	7777.45
0.3024	0.23772	4.44934	7779.741
0.3024	0.23792	4.4517	7783.081
0.3024	0.23817	4.45417	7787.489
0.30241	0.23839	4.4563	7792.803
0.30242	0.23866	4.45884	7799.89
0.30243	0.23892	4.46201	7807.351
0.30244	0.23912	4.46447	7814.106
0.30245	0.23934	4.46678	7819.198
0.30246	0.23951	4.46978	7824.065
0.30247	0.23971	4.47222	7828.782
0.30248	0.2399	4.47421	7833.294
0.30249	0.24016	4.47668	7839.316
0.30251	0.24043	4.47905	7846.496
0.30253	0.24062	4.48056	7852.663
0.30255	0.24083	4.48155	7857.35
0.30256	0.24095	4.48265	7860.334
0.30257	0.24107	4.48396	7862.898
0.30258	0.24117	4.48542	7865.426
0.30259	0.24135	4.48751	7868.49
0.3026	0.24154	4.4896	7871.983
0.30261	0.24167	4.49089	7875.266
0.30262	0.24184	4.49206	7878.357
0.30263	0.24197	4.49386	7881.535
0.30264	0.24217	4.49674	7885.713
0.30265	0.24235	4.49929	7891.057
0.30266	0.24254	4.50126	7896.329
0.30267	0.24267	4.50244	7899.805
0.30268	0.24277	4.5039	7902.702
0.30269	0.2429	4.50583	7905.681
0.3027	0.24301	4.50787	7909.112
0.30271	0.24317	4.5094	7912.486
0.30272	0.24326	4.51049	7915.426
0.30273	0.2434	4.51217	7918.983
0.30274	0.24358	4.5149	7923.411
0.30275	0.24369	4.51758	7928.297
0.30276	0.24378	4.5189	7932.032
0.30277	0.2438	4.51968	7934.87
0.30278	0.24386	4.52024	7936.673
0.30279	0.24392	4.52107	7938.229
0.3028	0.24403	4.52226	7939.887
0.30281	0.24414	4.52348	7941.324
0.30282	0.24429	4.52555	7943.474
0.30283	0.24448	4.53067	7947.415
0.30284	0.24458	4.53411	7951.805
0.30285	0.24469	4.53594	7955.485
0.30286	0.24476	4.5376	7958.914

12:19:17.701	-12	0.00001	0.00007	0.00171	3.082	0.000298
12:19:18.701	-12	0.00001	0.00007	0.00155	2.956	0.000286
12:19:19.701	-12	0.00001	0.00009	0.00153	3.094	0.000299
12:19:20.701	-12	0.00001	0.00014	0.00203	3.417	0.00033
12:19:21.701	-12	0.00001	0.00009	0.00213	4.402	0.000425
12:19:22.701	-12	0.00002	0.00023	0.00341	6.818	0.000658
12:19:23.701	-12	0.00003	0.00021	0.00759	12.737	0.001229
12:19:24.701	-12	0.00003	0.00039	0.0111	16.117	0.001555
12:19:25.701	-12	0.00003	0.00021	0.00679	13.326	0.001286
12:19:26.701	-12	0.00003	0.00009	0.00148	6.15	0.000594
12:19:27.701	-12	0.00002	0.00007	0.00055	1.946	0.000188
12:19:28.701	-12	0.00001	0.00002	0.00056	0.657	0.000064
12:19:29.701	-12	0.00001	0.00005	0.00069	0.423	0.000041
12:19:30.701	-12	0.00001	0.00002	0.00059	0.319	0.000031
12:19:31.701	-12	0.00001	0.00003	0.00076	0.282	0.000027
12:19:32.701	-12	0	0.00003	0.00083	0.247	0.000024
12:19:33.701	-12	0.00001	0.00005	0.00112	0.308	0.00003
12:19:34.701	-12	0.00001	0.00007	0.00113	0.299	0.000029
12:19:35.701	-12	0.00001	0.00005	0.0011	0.274	0.000027
12:19:36.701	-12	0	0.00008	0.0012	0.343	0.000033
12:19:37.701	-12	0	0.00005	0.00117	0.462	0.000045
12:19:38.701	-12	0	0.00006	0.00157	0.637	0.000062
12:19:39.701	-12	0	0.00006	0.00141	0.78	0.000076
12:19:40.701	-12.7	0	0.00005	0.00108	0.899	0.000087
12:19:41.701	-12.3	0	0.00006	0.00097	1.017	0.000099
12:19:42.701	-12	0.00001	0.00004	0.00116	1.066	0.000103
12:19:43.701	-12	0.00001	0.00006	0.00115	1.085	0.000105
12:19:44.701	-12	0.00001	0.00005	0.00103	1.1	0.000107
12:19:45.701	-12	0.00001	0.00006	0.00101	1.109	0.000107
12:19:46.701	-12	0.00001	0.00006	0.00101	1.111	0.000108
12:19:47.701	-12	0.00001	0.00006	0.00105	1.155	0.000112
12:19:48.701	-12	0.00001	0.00007	0.00113	1.247	0.000121
12:19:49.701	-12	0.00001	0.00005	0.00107	1.19	0.000115
12:19:50.701	-12	0.00001	0.00008	0.00168	1.341	0.00013
12:19:51.701	-12	0.00001	0.00009	0.00329	3.193	0.000309
12:19:52.701	-12.7	0.00003	0.00028	0.00749	7.654	0.000741
12:19:53.701	-12.3	0.00006	0.00034	0.01115	13.104	0.001268
12:19:54.701	-12	0.00008	0.00032	0.00875	14.695	0.001421
12:19:55.701	-12.7	0.00015	0.00039	0.00971	17.214	0.001664
12:19:56.701	-12.3	0.00026	0.00037	0.00763	17.772	0.001717
12:19:57.701	-12.7	0.00033	0.00058	0.00565	15.915	0.001537
12:19:58.701	-12.3	0.00029	0.0002	0.0048	13.327	0.001287
12:19:59.701	-12	0.00028	0.00028	0.00463	12.788	0.001235
12:20:00.701	-12	0.00025	0.00019	0.00406	12.301	0.001188
12:20:01.701	-12	0.00018	0.00016	0.00406	10.311	0.000996
12:20:02.701	-12	0.00012	0.00018	0.00371	8.053	0.000778
12:20:03.701	-12	0.00009	0.00014	0.00379	7.35	0.00071

44.5	2.00E-01	-0.500	0.300	0.000	0.236	6.600	194	22.63814	1162	43.135	54.5	349.82321	369.3
44.5	2.00E-01	-0.500	0.300	0.000	0.236	6.500	194	20.37	1162	42.85	63.2	350.467188	363.1
44.7	2.00E-01	-0.500	0.300	0.000	0.237	7.500	194	24.84616	1162	42.85	76.2	351.76	363.501077
44.7	2.00E-01	-0.500	0.300	0.000	0.236	11.000	194	23.74917	1162	42.85	79.4	353.277121	367.209772
44.7	2.00E-01	-0.500	0.300	0.000	0.235	6.100	194	33.91503	1163	42.85	81	356.338	370.963996
44.7	2.00E-01	-0.500	0.300	0.000	0.233	10.800	194	44.15295	1220	43.47	95.3	360.172349	384.797203
44.7	2.00E-01	-0.500	0.300	0.000	0.230	6.100	194	82.18933	1460	43.916	99.6	368.388292	417.772609
45	2.00E-01	-0.500	0.300	0.000	0.229	8.800		91.26417	1478	45.295	94.2	376.198654	456.55762
46	2.00E-01	-0.500	0.300	0.000	0.233	4.900		80.06277	1516	46.551	81.5	384.516123	466.712255
46.6	3.00E-01	0.100	0.300	0.099	0.238	3.700		47.975	1519	47.2	51.4	384.65	445.992408
48.6	6.00E-01	0.500	0.300	0.404	0.243	6.800		30.58793	1249	45.979	10.4	373.432465	405.848417
48.1	7.00E-01	0.500	0.300	0.412	0.247	4.200		12.60135	1155	43.032	0.5	359.53125	373.887911
46.4	6.00E-01	0.400	0.300	0.364	0.250	9.600	195.8	10.77463	1085	38.756	3.4	352.478042	355.589296
44.5	4.00E-01	0.200	0.300	0.141	0.251	4.400	195.8	10.30927	1135	35.066	0	346.622936	342.211313
38.6	3.00E-01	0.100	0.300	0.084	0.251	7.300	195.8	9.71923	1170	30.54	0.5	342.860694	329.858333
36.4	3.00E-01	0.000	0.300	0.000	0.252	5.600	195.8	9.30747	1067	25.356	6.5	342.259615	319.99987
29.3	3.00E-01	0.000	0.300	0.000	0.252	6.800	195.8	10.16811	954	19.66	5.5	340.15102	311.940791
26.6	3.00E-01	0.000	0.300	0.000	0.253	9.000		16.04045	834	14.195	14.4	339.189796	301.180118
18.1	3.00E-01	0.000	0.300	0.000	0.253	6.200		14.9977	803	8.708	25.4	338.9375	296.316471
15.5	2.00E-01	0.000	0.200	0.000	0.168	11.200		15.68597	820	4.712	30.5	339.609596	294.139726
7.2	2.00E-01	-0.100	0.200	0.000	0.167	7.200		14.76702	768	2.794	35.7	337.964063	292.759877
6.1	2.00E-01	-0.100	0.200	0.000	0.166	7.700		16.07557	799	1.441	40	339.473022	293.89375
2.5	2.00E-01	-0.100	0.200	0.000	0.165	7.600	194	15.42212	782	0	38.4	335.064092	294.010781
1.9	2.00E-01	-0.100	0.200	0.000	0.164	6.800	194	15.42894	777	0	38.6	330.403279	294.7
0	2.00E-01	-0.100	0.200	0.000	0.188	8.400	194	15.30397	777	0	39.6	325.943585	294.544268
0	2.00E-01	-0.100	0.300	0.000	0.245	5.600	194	15.45973	781	0	39.1	319.644583	294
0	2.00E-01	-0.200	0.300	0.000	0.245	8.600	194	15.26582	777	0	39.1	321.066667	293.630725
0	2.00E-01	-0.200	0.300	0.000	0.245	6.200	194	15.55098	777	0	39.2	321.650305	292.519242
0	2.00E-01	-0.200	0.300	0.000	0.245	8.500	194	15.47858	779	0	38.9	321.302296	291.820979
0	3.00E-01	-0.200	0.300	0.000	0.271	7.900	194	15.18427	777	0	39.7	320.743333	291.094591
0	3.00E-01	-0.200	0.400	0.000	0.326	7.400	194	15.54342	781	0	39.6	320.579327	290.345495
0	3.00E-01	-0.200	0.400	0.000	0.326	8.300	194	17.70978	927	0	49.4	324.180132	290.310098
0	3.00E-01	-0.100	0.400	0.000	0.326	6.800	194	16.29698	855	0	37.9	323.179717	289.89334
0	2.00E-01	-0.100	0.300	0.000	0.244	9.500	194	16.09277	897	0	53.1	322.446154	289.3
0	2.00E-01	-0.100	0.300	0.000	0.243	5.200	194	26.40376	1150	1.801	64.6	323.155602	294.979666
0.9	3.00E-01	-0.100	0.300	0.000	0.264	7.900	194	71.85229	1727	5.917	73.9	330.792692	321.861111
3.9	3.00E-01	-0.100	0.400	0.000	0.341	6.400	193.9	110.71888	2350	10.785	68.9	338.728902	358.608084
6.2	4.00E-01	0.000	0.500	0.000	0.396	5.600	193.6	123.01685	2362	15.122	74.1	346.407102	388.7815
13.5	7.00E-01	0.400	0.500	0.322	0.394	6.000	193.2	125.21869	2395	19.47	80.8	351.672308	415.23907
15.5	1.20E+00	0.900	0.600	0.705	0.497	5.700	192.8	132.09122	2507	23.902	78.9	356.16449	440.00124
22.2	1.70E+00	1.500	0.700	1.175	0.549	10.100	192.5	122.66594	2354	27.316	78.3	348.547547	457.404772
24	1.90E+00	1.700	0.700	1.355	0.548	4.300	192.2	100.25223	2066	30.172	76.6	350.807605	463.479668
30	1.90E+00	1.800	0.700	1.385	0.547	6.300	192.2	91.3662	1874	32.86	80.4	340.879468	467.835301
31.2	1.80E+00	1.600	0.700	1.254	0.547	4.500	192.2	88.89358	1995	35.094	80.4	332.665039	469.568085
35.2	1.50E+00	1.200	0.700	0.948	0.549	4.400	192.2	77.21583	1873	37.077	78.7	349.025257	466.947912
36.1	1.20E+00	0.800	0.700	0.659	0.550	6.300	192.2	59.78005	1827	38.5	78.5	365.003	458.64087
38.9	1.10E+00	0.600	0.700	0.504	0.550	5.200	192.7	57.59769	1835	39.257	74.8	376.949744	454.183478

0.30287	0.24483	4.53931	7961.996
0.30288	0.2449	4.54086	7964.952
0.30289	0.24499	4.54239	7968.046
0.3029	0.24513	4.54442	7971.463
0.30291	0.24522	4.54655	7975.865
0.30293	0.24545	4.54996	7982.683
0.30296	0.24566	4.55755	7995.42
0.30299	0.24605	4.56865	8011.537
0.30302	0.24626	4.57544	8024.863
0.30305	0.24635	4.57692	8031.013
0.30307	0.24642	4.57747	8032.959
0.30308	0.24644	4.57803	8033.616
0.30309	0.24649	4.57872	8034.039
0.3031	0.24651	4.57931	8034.358
0.30311	0.24654	4.58007	8034.64
0.30311	0.24657	4.5809	8034.887
0.30312	0.24662	4.58202	8035.195
0.30313	0.24669	4.58315	8035.494
0.30314	0.24674	4.58425	8035.768
0.30314	0.24682	4.58545	8036.111
0.30314	0.24687	4.58662	8036.573
0.30314	0.24693	4.58819	8037.21
0.30314	0.24699	4.5896	8037.99
0.30314	0.24704	4.59068	8038.889
0.30314	0.2471	4.59165	8039.906
0.30315	0.24714	4.59281	8040.972
0.30316	0.2472	4.59396	8042.057
0.30317	0.24725	4.59499	8043.157
0.30318	0.24731	4.596	8044.266
0.30319	0.24737	4.59701	8045.377
0.3032	0.24743	4.59806	8046.532
0.30321	0.2475	4.59919	8047.779
0.30322	0.24755	4.60026	8048.969
0.30323	0.24763	4.60194	8050.31
0.30324	0.24772	4.60523	8053.503
0.30327	0.248	4.61272	8061.157
0.30333	0.24834	4.62387	8074.261
0.30341	0.24866	4.63262	8088.956
0.30356	0.24905	4.64233	8106.17
0.30382	0.24942	4.64996	8123.942
0.30415	0.25	4.65561	8139.857
0.30444	0.2502	4.66041	8153.184
0.30472	0.25048	4.66504	8165.972
0.30497	0.25067	4.6691	8178.273
0.30515	0.25083	4.67316	8188.584
0.30527	0.25101	4.67687	8196.637
0.30536	0.25115	4.68066	8203.987

12:20:04.701	-12	0.00006	0.00018	0.0035	6.671	0.000645
12:20:05.701	-12	0.00004	0.00007	0.00302	5.723	0.000553
12:20:06.701	-12	0.00003	0.00014	0.00284	4.921	0.000476
12:20:07.701	-12	0.00003	0.00008	0.00297	4.263	0.000412
12:20:08.701	-12	0.00002	0.00009	0.00221	3.359	0.000325
12:20:09.701	-12	0.00002	0.00011	0.00165	3.184	0.000308
12:20:10.701	-12	0.00002	0.0001	0.00154	3.198	0.000309
12:20:11.701	-12	0.00002	0.00013	0.00155	2.979	0.000288
12:20:12.701	-12	0.00002	0.00006	0.00135	2.564	0.000248
12:20:13.701	-12	0.00002	0.00009	0.00133	2.352	0.000227
12:20:14.701	-12	0.00001	0.0001	0.00106	2.157	0.000209
12:20:15.701	-12	0.00001	0.00012	0.0013	1.947	0.000189
12:20:16.701	-12	0.00001	0.0001	0.00194	1.929	0.000187
12:20:17.701	-12	0.00002	0.00009	0.00217	2.186	0.000212
12:20:18.701	-12	0.00002	0.00016	0.0017	2.376	0.00023
12:20:19.701	-12	0.00002	0.00011	0.00134	2.389	0.000231
12:20:20.701	-12	0.00002	0.00016	0.0015	2.326	0.000225
12:20:21.701	-12	0.00001	0.00012	0.00151	2.264	0.000219
12:20:22.701	-12	0.00001	0.00012	0.00147	2.118	0.000205
12:20:23.701	-12	0.00001	0.00013	0.00162	1.782	0.000173
12:20:24.701	-12	0.00001	0.0001	0.00196	1.602	0.000155
12:20:25.701	-12	0.00001	0.00013	0.00159	1.464	0.000142
12:20:26.701	-12	0.00001	0.00009	0.00187	1.458	0.000141
12:20:27.701	-12	0.00002	0.00013	0.00213	1.592	0.000154
12:20:28.701	-12	0.00002	0.00011	0.00253	1.97	0.000191
12:20:29.701	-12	0.00002	0.00014	0.00273	2.611	0.000253
12:20:30.701	-12	0.00002	0.00014	0.00204	3.056	0.000296
12:20:31.701	-12	0.00002	0.00009	0.00164	2.874	0.000278
12:20:32.701	-12	0.00002	0.0001	0.00136	2.614	0.000253
12:20:33.701	-12	0.00001	0.0001	0.00167	2.627	0.000254
12:20:34.701	-12	0.00001	0.00016	0.00179	2.889	0.000279
12:20:35.701	-12	0.00001	0.00014	0.00181	3.252	0.000315
12:20:36.701	-12	0.00002	0.00015	0.00186	3.556	0.000344
12:20:37.701	-12	0.00002	0.00017	0.00185	4.025	0.000389
12:20:38.701	-12	0.00002	0.00015	0.00281	4.582	0.000443
12:20:39.701	-12	0.00002	0.00016	0.00235	4.919	0.000475
12:20:40.701	-12	0.00002	0.00007	0.00192	4.729	0.000457
12:20:41.701	-12	0.00002	0.00016	0.00197	4.428	0.000428
12:20:42.701	-12	0.00002	0.00011	0.00229	4.56	0.000441
12:20:43.701	-12	0.00002	0.00013	0.00292	5.636	0.000545
12:20:44.701	-12	0.00002	0.00016	0.00282	6.439	0.000622
12:20:45.701	-12	0.00002	0.0001	0.00229	5.915	0.000571
12:20:46.701	-12	0.00002	0.00014	0.00158	4.838	0.000467
12:20:47.701	-12	0.00002	0.0001	0.00138	4.24	0.00041
12:20:48.701	-12	0.00002	0.00017	0.00179	4.165	0.000403
12:20:49.701	-12	0.00002	0.00016	0.00218	4.618	0.000446
12:20:50.701	-12	0.00002	0.00023	0.00422	6.685	0.000646

39.5	7.00E-01	0.200	0.700	0.165	0.549	7.600
41.3	5.00E-01	0.000	0.700	0.000	0.549	3.400
41.7	6.00E-01	0.000	0.700	0.000	0.551	7.500
43.2	6.00E-01	0.000	0.700	0.000	0.551	5.300
43.5	6.00E-01	0.000	0.700	0.000	0.553	6.900
44.3	5.00E-01	0.000	0.700	0.000	0.529	8.800
44.5	5.00E-01	-0.100	0.600	0.000	0.475	7.700
45.1	5.00E-01	-0.200	0.600	0.000	0.475	10.900
45.2	5.00E-01	-0.300	0.600	0.000	0.475	6.000
45.6	5.00E-01	-0.300	0.600	0.000	0.477	9.300
45.6	4.00E-01	-0.300	0.500	0.000	0.401	9.300
45.7	4.00E-01	-0.300	0.500	0.000	0.404	11.300
45.7	4.00E-01	-0.400	0.500	0.000	0.405	8.800
45.9	4.00E-01	-0.500	0.500	0.000	0.403	8.000
45.9	4.00E-01	-0.500	0.500	0.000	0.401	13.600
45.9	4.00E-01	-0.500	0.500	0.000	0.401	9.100
45.9	4.00E-01	-0.500	0.500	0.000	0.402	13.500
46	4.00E-01	-0.600	0.500	0.000	0.402	10.500
46	4.00E-01	-0.600	0.500	0.000	0.403	11.100
46	4.00E-01	-0.600	0.500	0.000	0.406	12.100
45.9	4.00E-01	-0.600	0.500	0.000	0.407	9.900
45.5	4.00E-01	-0.600	0.500	0.000	0.409	12.800
45.4	4.00E-01	-0.600	0.500	0.000	0.410	8.300
45.1	4.00E-01	-0.600	0.500	0.000	0.409	11.700
45.1	4.00E-01	-0.600	0.500	0.000	0.406	9.200
45.1	4.00E-01	-0.600	0.500	0.000	0.402	10.400
45.2	4.00E-01	-0.700	0.500	0.000	0.399	10.100
45.5	4.00E-01	-0.700	0.500	0.000	0.398	7.600
45.5	4.00E-01	-0.700	0.500	0.000	0.399	8.700
45.5	4.00E-01	-0.700	0.500	0.000	0.377	8.200
45.5	3.00E-01	-0.700	0.400	0.000	0.319	12.600
45.3	3.00E-01	-0.700	0.400	0.000	0.318	10.300
45.3	3.00E-01	-0.600	0.400	0.000	0.317	10.600
45.2	3.00E-01	-0.600	0.400	0.000	0.317	10.400
45.2	3.00E-01	-0.600	0.400	0.000	0.340	8.300
45.1	4.00E-01	-0.600	0.500	0.000	0.393	9.200
45.3	4.00E-01	-0.600	0.500	0.000	0.393	4.200
45.8	4.00E-01	-0.600	0.500	0.000	0.394	9.700
45.9	3.00E-01	-0.500	0.400	0.000	0.315	6.300
46.3	3.00E-01	-0.500	0.400	0.000	0.313	6.600
46.4	3.00E-01	-0.500	0.400	0.000	0.312	7.400
46.8	3.00E-01	-0.500	0.400	0.000	0.312	5.400
47	3.00E-01	-0.400	0.400	0.000	0.313	8.000
47.5	3.00E-01	-0.500	0.400	0.000	0.315	6.100
47.5	3.00E-01	-0.500	0.400	0.000	0.315	11.000
47.4	3.00E-01	-0.500	0.400	0.000	0.314	9.700
47.4	3.00E-01	-0.400	0.400	0.000	0.312	10.700

193.5	50.46462	1600	40.582	72.1	377.093319	450.2848
194.3	42.24336	1624	41.22	71.5	374.098753	442.36085
195.1	37.97358	1654	42.054	75.8	369.54605	432.119934
195.8	29.86958	1667	42.23	62.1	356.770231	422.129
195.8	25.3829	1397	42.85	63.4	346.161959	410.964339
195.8	26.03815	1405	43.47	60.5	345.256926	401.466272
195.8	26.41	1419	43.573	60.2	341.661563	393.038115
195.8	25.71552	1427	44.09	51.4	340.192857	385.222941
195.7	20.88736	1426	44.09	42.8	338.033846	374.460753
195.4	21.23381	1432	44.09	35.6	335.780843	361.126706
195	21.70859	1427	44.09	35.8	333.009944	348.616796
194.6	22.91235	1437	44.09	44.6	328.230793	340.048709
194.3	23.77749	1440	44.25	49.8	326.302771	335.865217
194	24.04321	1441	44.71	49.8	326.08327	332.390588
194	24.84571	1443	44.71	47.2	325.11875	328.402673
194	23.566	1442	44.71	46.2	324.313427	323.02753
194	24.50733	1443	44.71	47.5	324.491176	322.333262
194	23.24582	1438	44.09	36.4	322.72249	316.437363
193.8	22.33686	1433	44.09	34.7	320.565714	307.882745
193.4	22.11944	1424	44.09	32.7	319.049102	300.726709
193	21.51413	1427	44.09	32	315.567857	294.268706
192.7	20.95084	1414	43.47	25.3	312.751198	288.198904
192.3	22.92748	1414	43.47	39.5	311.532438	284.385149
192.2	24.1427	1417	43.47	49.8	306.465517	288.238749
192.2	24.59434	1418	43.47	49.8	312.343774	293.964821
192.2	26.85464	1421	44.09	58.7	317.551357	300.201399
192.2	28.94841	1428	44.09	55.2	321.027209	307.485342
192.2	25.14766	1427	44.09	41.3	325.424808	307.543333
192.2	24.24439	1422	44.09	58.6	325.329921	308.15975
192.2	25.16438	1417	43.47	53.9	323.472123	310.621124
192.2	25.67293	1417	43.47	59.9	321.893862	312.48
192.2	27.68307	1414	43.47	61.5	323.314442	315.717717
192.2	29.55	1414	43.47	61.7	325.332328	318.986359
192.2	33.47125	1415	43.47	72.6	326.804878	322.510543
192.2	37.86104	1423	44.09	83.1	329.943776	333.129213
192.2	36.26627	1433	44.09	72.1	336.948571	344.46495
192.2	34.82102	1440	44.355	70.3	338.922756	347.709989
192.2	33.6998	1446	44.457	71.6	340.677358	350.035034
192.2	36.01538	1454	44.71	79.6	340.632471	355.066038
192.2	40.63353	1463	45.33	82.8	341.459375	366.052736
192.2	44.90885	1478	45.356	81.9	344.210983	378.625
192.2	42.03258	1491	45.95	74.2	347.568302	383.828317
192.2	34.34969	1486	45.95	71.8	345.917299	381.525407
192.2	30.1174	1485	45.95	72.9	340.26474	376.723432
192.2	31.69716	1479	45.33	74.4	335.91625	374.273864
192.2	34.9724	1479	45.484	79.1	339.991603	374.1
192.2	45.09926	1490	45.95	87.2	343.573878	383.318082

0.30542	0.25133	4.68416	8210.658
0.30546	0.2514	4.68718	8216.381
0.30549	0.25154	4.69002	8221.302
0.30552	0.25162	4.69299	8225.565
0.30554	0.25171	4.6952	8228.924
0.30556	0.25182	4.69685	8232.108
0.30558	0.25192	4.69839	8235.306
0.3056	0.25205	4.69994	8238.285
0.30562	0.25211	4.70129	8240.849
0.30564	0.2522	4.70262	8243.201
0.30565	0.2523	4.70368	8245.358
0.30566	0.25242	4.70498	8247.305
0.30567	0.25252	4.70692	8249.234
0.30569	0.25261	4.70909	8251.42
0.30571	0.25277	4.71079	8253.796
0.30573	0.25288	4.71213	8256.185
0.30575	0.25304	4.71363	8258.511
0.30576	0.25316	4.71514	8260.775
0.30577	0.25328	4.71661	8262.893
0.30578	0.25341	4.71823	8264.675
0.30579	0.25351	4.72019	8266.277
0.3058	0.25364	4.72178	8267.741
0.30581	0.25373	4.72365	8269.199
0.30583	0.25386	4.72578	8270.791
0.30585	0.25397	4.72831	8272.761
0.30587	0.25411	4.73104	8275.372
0.30589	0.25425	4.73308	8278.428
0.30591	0.25434	4.73472	8281.302
0.30593	0.25444	4.73608	8283.916
0.30594	0.25454	4.73775	8286.543
0.30595	0.2547	4.73954	8289.432
0.30596	0.25484	4.74135	8292.684
0.30598	0.25499	4.74321	8296.24
0.306	0.25516	4.74506	8300.265
0.30602	0.25531	4.74787	8304.847
0.30604	0.25547	4.75022	8309.766
0.30606	0.25554	4.75214	8314.495
0.30608	0.2557	4.75411	8318.923
0.3061	0.25581	4.7564	8323.483
0.30612	0.25594	4.75932	8329.119
0.30614	0.2561	4.76214	8335.558
0.30616	0.2562	4.76443	8341.473
0.30618	0.25634	4.76601	8346.311
0.3062	0.25644	4.76739	8350.551
0.30622	0.25661	4.76918	8354.716
0.30624	0.25677	4.77136	8359.334
0.30626	0.257	4.77558	8366.019

12:20:51.701	-12	0.00003	0.0003	0.00441	9.51	0.000918
12:20:52.701	-12	0.00003	0.00027	0.00371	10.345	0.000998
12:20:53.701	-12	0.00003	0.00029	0.0036	8.012	0.000774
12:20:54.701	-12	0.00002	0.00013	0.0038	5.867	0.000567
12:20:55.701	-12	0.00002	0.0002	0.00265	4.823	0.000466
12:20:56.701	-12	0.00001	0.00011	0.002	3.671	0.000355
12:20:57.701	-12	0.00001	0.00011	0.00141	2.81	0.000272
12:20:58.701	-12	0.00002	0.00018	0.00252	4.314	0.000417
12:20:59.701	-12	0.00003	0.00052	0.00464	8.007	0.000773
12:21:00.701	-12	0.00003	0.00053	0.00484	8.812	0.00085
12:21:01.701	-12	0.00003	0.00022	0.00261	7.406	0.000715
12:21:02.701	-12	0.00002	0.00022	0.00294	4.847	0.000468
12:21:03.701	-12	0.00002	0.00009	0.00255	3.252	0.000314
12:21:04.701	-12	0.00001	0.0001	0.00182	2.62	0.000253
12:21:05.701	-12	0.00001	0.00011	0.00144	2.42	0.000234
12:21:06.701	-12	0.00001	0.00016	0.00169	2.294	0.000222
12:21:07.701	-12	0.00001	0.00019	0.00147	2.258	0.000219
12:21:08.701	-12	0.00002	0.00017	0.00266	3.311	0.00032
12:21:09.701	-12	0.00002	0.00019	0.00341	4.289	0.000415
12:21:10.701	-12	0.00002	0.00012	0.00296	4.715	0.000456
12:21:11.701	-12	0.00001	0.00013	0.0019	3.888	0.000376
12:21:12.701	-12	0.00001	0.00011	0.00161	3.087	0.000298
12:21:13.701	-12	0.00001	0.00012	0.00231	3.23	0.000312
12:21:14.701	-12	0.00001	0.00017	0.00254	3.758	0.000363
12:21:15.701	-12	0.00001	0.00015	0.00193	3.729	0.00036
12:21:16.701	-12	0.00001	0.00016	0.00155	3.339	0.000323
12:21:17.701	-12	0.00001	0.00012	0.00167	3.05	0.000295
12:21:18.701	-12	0.00001	0.00012	0.00181	2.922	0.000282
12:21:19.701	-12	0.00001	0.00016	0.00176	3.367	0.000325
12:21:20.701	-12	0.00002	0.00024	0.0036	5.221	0.000505
12:21:21.701	-12	0.00003	0.00031	0.00529	8.408	0.000812
12:21:22.701	-12	0.00003	0.00019	0.0049	10.167	0.000981
12:21:23.701	-12	0.00003	0.00022	0.00356	8.023	0.000775
12:21:24.701	-12	0.00002	0.00012	0.00297	4.805	0.000464
12:21:25.701	-12	0.00002	0.00014	0.00251	3.841	0.000371
12:21:26.701	-12	0.00001	0.00009	0.0023	3.334	0.000322
12:21:27.701	-12	0.00001	0.00006	0.002	3.743	0.000362
12:21:28.701	-12	0.00001	0.00007	0.00235	4.581	0.000443
12:21:29.701	-12	0.00001	0.00004	0.00325	6.213	0.0006
12:21:30.701	-12	0.00001	0.00016	0.0033	6.312	0.000609
12:21:31.701	-12	0.00001	0.00006	0.00268	5.777	0.000558
12:21:32.701	-12	0.00001	0.00013	0.0031	5.959	0.000575
12:21:33.701	-12	0.00002	0.00009	0.00311	6.637	0.000641
12:21:34.701	-12	0.00001	0.0001	0.00249	6.475	0.000625
12:21:35.701	-12	0.00001	0.0001	0.00193	5.146	0.000497
12:21:36.701	-12	0.00001	0.00005	0.00166	3.576	0.000345
12:21:37.701	-12	0.00001	0.00006	0.00153	3.094	0.000299

47.3	3.00E-01	-0.400	0.400	0.000	0.309	10.300
47.6	3.00E-01	-0.400	0.400	0.000	0.309	8.800
48.7	3.00E-01	-0.400	0.400	0.000	0.312	10.900
49.1	3.00E-01	-0.400	0.400	0.000	0.314	6.300
50.2	3.00E-01	-0.400	0.400	0.000	0.315	11.500
50.3	3.00E-01	-0.400	0.400	0.000	0.314	8.300
50.6	3.00E-01	-0.300	0.400	0.000	0.315	10.400
50.5	3.00E-01	-0.300	0.400	0.000	0.315	11.200
50.3	3.00E-01	-0.300	0.400	0.000	0.309	21.200
50.5	4.00E-01	-0.200	0.500	0.000	0.385	20.400
51.1	4.00E-01	-0.100	0.500	0.000	0.388	9.400
51.3	4.00E-01	-0.100	0.500	0.000	0.391	12.800
52	4.00E-01	-0.100	0.500	0.000	0.394	7.300
52	4.00E-01	-0.100	0.500	0.000	0.372	10.100
52.1	3.00E-01	-0.100	0.400	0.000	0.317	11.500
51.9	4.00E-01	-0.100	0.500	0.000	0.374	15.200
51.1	3.00E-01	-0.100	0.400	0.000	0.321	17.200
50.9	3.00E-01	-0.200	0.400	0.000	0.319	11.400
50.2	3.00E-01	-0.300	0.400	0.000	0.315	11.900
50.2	3.00E-01	-0.300	0.400	0.000	0.312	7.300
50.2	3.00E-01	-0.300	0.400	0.000	0.313	9.600
50.2	3.00E-01	-0.300	0.400	0.000	0.315	9.600
50.1	3.00E-01	-0.300	0.400	0.000	0.316	9.900
50	3.00E-01	-0.300	0.400	0.000	0.314	12.900
49.7	3.00E-01	-0.400	0.400	0.000	0.313	11.300
49.6	3.00E-01	-0.400	0.400	0.000	0.314	13.600
49.1	3.00E-01	-0.400	0.400	0.000	0.316	10.100
48.9	3.00E-01	-0.400	0.400	0.000	0.316	11.200
48.4	3.00E-01	-0.400	0.400	0.000	0.317	11.700
48.2	3.00E-01	-0.300	0.400	0.000	0.314	12.600
47.6	3.00E-01	-0.300	0.400	0.000	0.310	12.100
47.8	3.00E-01	-0.300	0.400	0.000	0.308	6.400
48.6	3.00E-01	-0.200	0.400	0.000	0.310	8.600
48.9	3.00E-01	-0.200	0.400	0.000	0.315	6.900
49.8	3.00E-01	-0.200	0.400	0.000	0.316	9.500
49.8	2.00E-01	-0.200	0.300	0.000	0.236	7.600
49.9	2.00E-01	-0.200	0.300	0.000	0.235	4.200
49.9	2.00E-01	-0.300	0.300	0.000	0.235	4.200
49.8	2.00E-01	-0.400	0.300	0.000	0.232	1.900
49.9	2.00E-01	-0.300	0.300	0.000	0.231	8.600
50.4	2.00E-01	-0.300	0.300	0.000	0.233	3.200
50.4	2.00E-01	-0.300	0.300	0.000	0.233	6.700
50.4	2.00E-01	-0.300	0.300	0.000	0.232	4.700
50.5	2.00E-01	-0.300	0.300	0.000	0.231	5.100
50.9	2.00E-01	-0.300	0.300	0.000	0.233	6.200
50.9	2.00E-01	-0.300	0.300	0.000	0.235	4.300
50.9	2.00E-01	-0.300	0.300	0.000	0.237	5.600

192.2	61.47583	1511	46.554	83.4	347.509186	409.081918
192.2	65.18996	1543	47.795	77.3	350.572037	427.32634
192.2	54.67979	1563	48.44	77.5	365.296674	430.724
192.2	43.25708	1576	48.703	75.3	372.362029	423.451778
192.5	37.38296	1586	49.06	71.8	370.568119	416.126304
193	27.71209	1584	49.06	63.3	349.213365	408.828321
193.4	20.3301	1319	48.44	53.4	329.1	393.673913
193.8	31.30241	1313	48.44	97.6	334.918919	389.605111
194	58.08462	1323	49.06	86.9	347.886735	407.010419
194	53.70581	1343	49.68	83.4	353.699389	422.175219
194	44.5966	1353	50.3	78	350.472278	425.970745
194	35.54349	1359	50.3	71	354.391939	417.948368
194	23.92431	1357	50.3	60.6	357.240206	408.820217
	21.08923	1350	50.089	48.3	352.703681	395.160137
	20.98825	1338	49.68	37.4	345.771636	380.609851
	22.35978	1323	49.06	34.8	338.869661	366.706359
	23.96008	1309	48.44	68.7	336.409129	358.631532
	32.90044	1305	48.44	82.5	336.509896	362.6798
194	34.22293	1305	48.44	79.1	341.207516	373.817582
194	31.96869	1310	48.44	75.6	343.693319	377.9
194	27.16695	1305	48.44	62.5	343.646875	376.024651
194	21.97998	1302	48.44	71.8	344.272902	370.937793
194	26.25154	1294	47.947	77.1	338.227689	370.1
194	28.47283	1289	47.82	76.9	335.893774	371.39445
194	27.21167	1283	47.82	55.1	339.226606	369.103419
194	23.80763	1276	47.2	68.9	337.46833	364.167007
194	24.38194	1261	47.2	60.8	336.116092	360.2759
194	22.82656	1252	46.58	44	333.86314	354.061093
194	24.25031	1242	45.95	80.5	327.743462	351.633738
194	44.01476	1246	45.95	89	325.937885	366.995901
194	58.52455	1259	46.58	90.4	329.757055	391.389899
194	60.16939	1282	47.391	85.6	334.933829	412.654883
194.1	50.80877	1293	47.82	76.2	340.020755	422.67998
194.5	31.53375	1302	48.44	70.1	329.645946	417.31
194.9	27.36326	1303	48.44	78.8	339.358625	412.102714
195.3	25.32238	1300	48.44	70.4	355.331677	408.582948
195.8	26.51415	1297	48.44	75	365.4	401.850806
	35.3053	1300	48.44	85.5	365.35	405.458713
	39.85628	1310	48.44	94.8	370.632917	417.790196
	38.26584	1315	48.747	73.3	374.716049	425.378169
	38.62597	1313	49.06	87.7	374.122794	423.726858
	39.19661	1317	49.06	88.9	375.028081	429.117717
195.8	42.31587	1321	49.06	80.8	377.010204	435.877412
195.8	45.36853	1324	49.06	68.7	381.346235	439.279487
195.8	28.9588	1323	49.554	66.7	371.392655	431.69403
195.8	26.05143	1317	49.06	65.9	350.306215	418.756352
	24.40612	1311	48.44	59.4	340.978531	406.070076

0.30629	0.2573	4.77999	8375.529
0.30632	0.25757	4.7837	8385.874
0.30635	0.25786	4.7873	8393.886
0.30637	0.25799	4.7911	8399.753
0.30639	0.25819	4.79375	8404.576
0.3064	0.2583	4.79575	8408.247
0.30641	0.25841	4.79716	8411.057
0.30643	0.25859	4.79968	8415.371
0.30646	0.25911	4.80432	8423.378
0.30649	0.25964	4.80916	8432.19
0.30652	0.25986	4.81177	8439.596
0.30654	0.26008	4.81471	8444.443
0.30656	0.26017	4.81726	8447.695
0.30657	0.26027	4.81908	8450.315
0.30658	0.26038	4.82052	8452.735
0.30659	0.26054	4.82221	8455.029
0.3066	0.26073	4.82368	8457.287
0.30662	0.2609	4.82634	8460.598
0.30664	0.26109	4.82975	8464.887
0.30666	0.26121	4.83271	8469.602
0.30667	0.26134	4.83461	8473.49
0.30668	0.26145	4.83622	8476.577
0.30669	0.26157	4.83853	8479.807
0.3067	0.26174	4.84107	8483.565
0.30671	0.26189	4.843	8487.294
0.30672	0.26205	4.84455	8490.633
0.30673	0.26217	4.84622	8493.683
0.30674	0.26229	4.84803	8496.605
0.30675	0.26245	4.84979	8499.972
0.30677	0.26269	4.85339	8505.193
0.3068	0.263	4.85868	8513.601
0.30683	0.26319	4.86358	8523.768
0.30686	0.26341	4.86714	8531.791
0.30688	0.26353	4.87011	8536.596
0.3069	0.26367	4.87262	8540.437
0.30691	0.26376	4.87492	8543.771
0.30692	0.26382	4.87692	8547.514
0.30693	0.26389	4.87927	8552.095
0.30694	0.26393	4.88252	8558.308
0.30695	0.26409	4.88582	8564.62
0.30696	0.26415	4.8885	8570.397
0.30697	0.26428	4.8916	8576.356
0.30699	0.26437	4.89471	8582.993
0.307	0.26447	4.8972	8589.468
0.30701	0.26457	4.89913	8594.614
0.30702	0.26462	4.90079	8598.19
0.30703	0.26468	4.90232	8601.284

12:21:38.701	-12	0.00001	0.00004	0.00151	2.577	0.000249
12:21:39.701	-12	0.00001	0.00009	0.00184	2.533	0.000245
12:21:40.701	-12	0.00001	0.00011	0.00243	3	0.00029
12:21:41.701	-12	0.00001	0.00014	0.0027	4.059	0.000392
12:21:42.701	-12	0.00001	0.00017	0.00214	4.616	0.000446
12:21:43.701	-12	0.00001	0.00009	0.00268	4.837	0.000467
12:21:44.701	-12	0.00001	0.00014	0.00216	4.164	0.000402
12:21:45.701	-12	0.00001	0.00005	0.00159	2.945	0.000285
12:21:46.701	-12	0.00001	0.00012	0.00193	3.115	0.000301
12:21:47.701	-12	0	0.00012	0.00244	3.827	0.00037
12:21:48.701	-12	0	0.00015	0.00243	4.593	0.000444
12:21:49.701	-12	0	0.00015	0.00185	5.111	0.000493
12:21:50.701	-12	0	0.00009	0.00186	5.132	0.000495
12:21:51.701	-12	0	0.00015	0.00191	4.607	0.000445
12:21:52.701	-12	0	0.00007	0.00197	3.729	0.00036
12:21:53.701	-12	0	0.00012	0.00227	3.26	0.000315
12:21:54.701	-12	0	0.00008	0.00228	2.832	0.000274
12:21:55.701	-12	0	0.00008	0.00204	2.577	0.000249
12:21:56.701	-12	0	0.00008	0.00118	1.774	0.000172
12:21:57.701	-12	0	0.00006	0.00063	1.231	0.000119
12:21:58.701	-12	0	0.00017	0.00085	1.785	0.000173
12:21:59.701	-12	0	0.00016	0.00114	1.376	0.000133
12:22:00.701	-12	0	0.0002	0.00155	0.888	0.000086
12:22:01.701	-12	0	0.00012	0.00189	0.546	0.000053
12:22:02.701	-12	0	0.00012	0.00173	0.293	0.000029
12:22:03.701	-12	0	0.00008	0.00154	0.18	0.000016
12:22:04.701	-12	0	0.00004	0.00111	0.134	0.000013
12:22:05.701	-12	0	0.00008	0.00155	0.293	0.000029
12:22:06.701	-12	0	0.00004	0.00152	0.333	0.000033
12:22:07.701	-12	0	0.00008	0.00124	0.435	0.000042
12:22:08.701	-12	0	0.00006	0.00171	0.569	0.000055
12:22:09.701	-12	0	0.00006	0.0015	0.635	0.000062
12:22:10.701	-12	0	0.00006	0.00109	0.534	0.000052
12:22:11.701	-12	0	0.00004	0.00093	0.392	0.000038
12:22:12.701	-12	0	0.00006	0.00101	0.301	0.000029
12:22:13.701	-12	0	0.00005	0.00066	0.231	0.000022
12:22:14.701	-12	0	0.00007	0.00084	0.181	0.000018
12:22:15.701	-12	0	0.00004	0.00066	0.133	0.000013
12:22:16.701	-12	0	0.00004	0.00056	0.105	0.00001
12:22:17.701	-12	0	0.00004	0.0006	0.088	0.000009
12:22:18.701	-12	0	0.00003	0.00077	0.094	0.000009
12:22:19.701	-12	0	0.00012	0.00175	0.203	0.00002
12:22:20.701	-12	0	0.00009	0.0027	0.711	0.000069
12:22:21.701	-12	0.00001	0.00014	0.00474	1.77	0.000172
12:22:22.701	-12	0.00001	0.00007	0.0041	2.651	0.000257
12:22:23.701	-12	0.00001	0.00009	0.00216	2.341	0.000227
12:22:24.701	-12	0.00001	0.00011	0.0016	2.113	0.000205

50.7	2.00E-01	-0.300	0.300	0.000	0.237	4.000		20.26719	1305	48.44	49.8	340.819813	393.696569
50.2	2.00E-01	-0.300	0.300	0.000	0.214	8.300		22.65455	1300	48.44	69	340.179383	386.466047
50.1	2.00E-01	-0.300	0.200	0.000	0.159	9.000		26.61326	1298	48.44	75.4	339.260947	384.327071
49.9	2.00E-01	-0.300	0.200	0.000	0.157	9.700		31.43925	1302	48.44	86.2	339.148062	386.331131
49.9	2.00E-01	-0.300	0.200	0.000	0.156	10.600	195.7	32.94509	1302	48.44	74.8	336.077011	389.704348
49.9	2.00E-01	-0.300	0.200	0.000	0.156	5.400	195.3	33.52679	1308	48.44	72.3	331.098849	393.034468
50	2.00E-01	-0.300	0.200	0.000	0.156	9.600	194.9	27.3829	1308	48.933	59	338.500897	389.683608
50.2	2.00E-01	-0.300	0.200	0.000	0.157	5.100	194.5	21.60595	1303	48.44	58.3	351.07561	381.426041
50.2	2.00E-01	-0.300	0.200	0.000	0.158	9.700	194.1	24.56779	1300	48.44	75.7	353.461809	377.983315
50.2	1.00E-01	-0.300	0.100	0.000	0.079	8.300	194	32.6452	1305	48.44	84.3	354.544468	382.802552
50.2	1.00E-01	-0.300	0.100	0.000	0.078	9.700	194	31.41675	1310	48.44	76.1	356.85092	388.222696
50.2	1.00E-01	-0.300	0.100	0.000	0.078	9.100	194	34.49122	1315	48.723	94.7	356.026489	390.699593
50.3	1.00E-01	-0.300	0.100	0.000	0.078	5.300	194	32.083	1322	49.06	82.6	360.082209	395
50.5	1.00E-01	-0.300	0.100	0.000	0.078	9.700	194	27.93445	1323	49.06	71.4	361.687958	393.545
50.5	1.00E-01	-0.200	0.100	0.000	0.078	5.300	194	26.33136	1318	49.06	43.8	354.4638	386.958145
50.6	0.00E+00	-0.200	0.000	0.000	0.000	9.400	194	25.29774	1317	49.06	66.8	352.624811	381.409766
50.6	0.00E+00	-0.200	0.000	0.000	0.000	7.200	194	25.82537	1313	48.642	34.7	352.984388	376.618654
50.6	0.00E+00	-0.200	0.000	0.000	0.000	7.700	194	18.31456	1300	48.011	19.8	347.413198	362.391908
50.4	0.00E+00	-0.200	0.000	0.000	0.000	10.300	194	12.60216	1284	47.399	5.6	339.222358	344.249757
49.7	0.00E+00	-0.200	0.000	0.000	0.000	10.100	193.6	11.16296	1266	46.822	0.9	332.177187	328.960435
49.4	0.00E+00	-0.200	0.000	0.000	0.000	13.500	193.2	19.64911	1246	45.975	0	327.502637	315.90913
48.3	0.00E+00	-0.200	0.000	0.000	0.000	9.300	192.8	38.75385	1226	45.33	0	327.415748	299.519231
47.9	0.00E+00	-0.200	0.000	0.000	0.000	10.800	192.4	39.94517	1209	44.964	0	330.13509	281.751045
46.8	0.00E+00	-0.200	0.000	0.000	0.000	6.600		39.50827	1191	44.238	0	324.75611	265.894783
46.5	0.00E+00	-0.200	0.000	0.000	0.000	7.900		37.54446	1172	43.644	6.5	325.14878	252.930069
45.5	0.00E+00	-0.200	0.000	0.000	0.000	7.100		23.356	1161	42.85	14.5	326.361914	245.091254
45.2	0.00E+00	-0.200	0.000	0.000	0.000	5.100		9.39781	1146	42.394	8.1	324.355846	242.031205
44.3	0.00E+00	-0.200	0.000	0.000	0.000	8.200		24.59318	1131	41.796	22.4	326.044898	239.578223
44	0.00E+00	-0.200	0.000	0.000	0.000	5.500	192	18.04178	1113	41.61	34.2	327.693402	244.057833
43.2	0.00E+00	-0.200	0.000	0.000	0.000	9.700	191.6	23.03	1262	40.99	9	329.58	245.036471
42.9	0.00E+00	-0.200	0.000	0.000	0.000	7.200	191.3	13.30842	1305	40.37	20.9	319.482609	242.581868
42.1	0.00E+00	-0.200	0.000	0.000	0.000	8.300	190.9	12.23808	1279	39.12	10.1	301.284394	239.935244
41.7	0.00E+00	-0.200	0.000	0.000	0.000	9.800	190.5	10.93279	1242	38.286	0	293.418814	236.674603
40.4	0.00E+00	-0.200	0.000	0.000	0.000	7.000	190.4	10.39954	1193	36.437	0	293.4675	233.833333
39.7	0.00E+00	-0.200	0.000	0.000	0.000	11.800	190.4	9.86008	1136	35.069	0	295.071837	231.976529
37.4	0.00E+00	-0.200	0.000	0.000	0.000	10.100	190.4	9.72113	1123	32.584	0	295.315702	229.949351
36.3	0.00E+00	-0.200	0.000	0.000	0.000	14.900	190.4	10.37942	1212	30.744	0	294.478157	227.463765
32.9	0.00E+00	-0.200	0.000	0.000	0.000	8.000	190.4	9.8112	1131	28.573	0	280.309159	225.377399
31.9	0.00E+00	-0.200	0.000	0.000	0.028	7.900	190.1	9.48069	1158	26.098	0	279.206538	223.142442
28.8	1.00E-01	-0.200	0.100	0.000	0.085	8.400	189.7	10.04426	1170	24.555	0	279.907243	220.835
27.9	1.00E-01	-0.200	0.100	0.000	0.085	6.000	189.3	9.77092	1158	23.206	0	278.68744	218.706667
25	1.00E-01	-0.200	0.100	0.000	0.085	9.800	188.9	25.51434	1297	22.98	32	288.061342	222.425966
24.7	1.00E-01	-0.200	0.100	0.000	0.084	6.400	188.6	29.69307	1306	22.98	66.7	304.706047	236.427406
23.7	1.00E-01	-0.100	0.100	0.000	0.108	9.700	189	34.95342	1341	23.6	63.7	321.092692	259.524
23.9	2.00E-01	-0.100	0.300	0.000	0.213	5.300	189.4	27.94594	1338	23.6	24.3	330.521402	261.223432
24.7	3.00E-01	-0.100	0.400	0.000	0.322	7.400	189.8	23.13	1346	23.6	39.3	321.218462	258.51837
24.7	3.00E-01	-0.100	0.400	0.000	0.325	8.400	190.2	25.19429	1364	24.186	61.7	319.191476	262.385563

0.30704	0.26472	4.90383	8603.861
0.30705	0.26481	4.90567	8606.394
0.30706	0.26492	4.9081	8609.394
0.30707	0.26506	4.9108	8613.453
0.30708	0.26523	4.91294	8618.069
0.30709	0.26532	4.91562	8622.906
0.3071	0.26546	4.91778	8627.07
0.30711	0.26551	4.91937	8630.015
0.30712	0.26563	4.9213	8633.13
0.30712	0.26575	4.92374	8636.957
0.30712	0.2659	4.92617	8641.55
0.30712	0.26605	4.92802	8646.661
0.30712	0.26614	4.92988	8651.793
0.30712	0.26629	4.93179	8656.4
0.30712	0.26636	4.93376	8660.129
0.30712	0.26648	4.93603	8663.389
0.30712	0.26656	4.93831	8666.221
0.30712	0.26664	4.94035	8668.798
0.30712	0.26672	4.94153	8670.572
0.30712	0.26678	4.94216	8671.803
0.30712	0.26695	4.94301	8673.588
0.30712	0.26711	4.94415	8674.964
0.30712	0.26731	4.9457	8675.852
0.30712	0.26743	4.94759	8676.398
0.30712	0.26755	4.94932	8676.691
0.30712	0.26763	4.95086	8676.871
0.30712	0.26767	4.95197	8677.005
0.30712	0.26775	4.95352	8677.298
0.30712	0.26779	4.95504	8677.631
0.30712	0.26787	4.95628	8678.066
0.30712	0.26793	4.95799	8678.635
0.30712	0.26799	4.95949	8679.27
0.30712	0.26805	4.96058	8679.804
0.30712	0.26809	4.96151	8680.196
0.30712	0.26815	4.96252	8680.497
0.30712	0.2682	4.96318	8680.728
0.30712	0.26827	4.96402	8680.909
0.30712	0.26831	4.96468	8681.042
0.30712	0.26835	4.96524	8681.147
0.30712	0.26839	4.96584	8681.235
0.30712	0.26842	4.96661	8681.329
0.30712	0.26854	4.96836	8681.532
0.30712	0.26863	4.97106	8682.243
0.30713	0.26877	4.9758	8684.013
0.30714	0.26884	4.9799	8686.664
0.30715	0.26893	4.98206	8689.005
0.30716	0.26904	4.98366	8691.118

12:22:25.701	-12	0.00002	0.00012	0.00327	3.265	0.000316
12:22:26.701	-12	0.00003	0.00024	0.00707	7.136	0.00069
12:22:27.701	-12	0.00004	0.0002	0.00783	9.864	0.000953
12:22:28.701	-12	0.00006	0.00027	0.00571	10.38	0.001003
12:22:29.701	-12	0.00004	0.00012	0.00234	5.792	0.00056
12:22:30.701	-12	0.00003	0.00013	0.00208	4.456	0.000431
12:22:31.701	-12	0.00003	0.00011	0.0026	3.932	0.00038
12:22:32.701	-12	0.00002	0.00006	0.00233	3.033	0.000293
12:22:33.701	-12	0.00002	0.0001	0.00198	2.632	0.000255
12:22:34.701	-12	0.00002	0.00004	0.00141	2.237	0.000216
12:22:35.701	-12	0.00002	0.00009	0.00115	1.968	0.000191
12:22:36.701	-12	0.00002	0.00007	0.00169	2.01	0.000195
12:22:37.701	-12	0.00002	0.0001	0.00405	2.507	0.000243
12:22:38.701	-12	0.00002	0.00008	0.00259	2.888	0.00028
12:22:39.701	-12	0.00002	0.00007	0.00182	3.17	0.000307
12:22:40.701	-12	0.00002	0.00012	0.0021	3.188	0.000308
12:22:41.701	-12	0.00002	0.00004	0.00217	2.99	0.000289
12:22:42.701	-12	0.00001	0.00006	0.00126	1.994	0.000193
12:22:43.701	-12	0.00001	0.00004	0.00114	1.38	0.000134
12:22:44.701	-12	0.00001	0.00005	0.00103	1.157	0.000112
12:22:45.701	-12	0.00001	0.00004	0.00099	1.004	0.000097
12:22:46.701	-12	0.00001	0.00007	0.00145	1.648	0.00016
12:22:47.701	-12	0.00002	0.00011	0.0016	1.154	0.000112
12:22:48.701	-12	0.00002	0.00006	0.00388	1.73	0.000168
12:22:49.701	-12	0.00003	0.00024	0.00803	5.38	0.000521
12:22:50.701	-12	0.00005	0.00035	0.01476	11.236	0.001087
12:22:51.701	-12	0.00005	0.00034	0.01128	12.969	0.001253
12:22:52.701	-12	0.00005	0.00022	0.00673	11.191	0.001081
12:22:53.701	-12	0.00004	0.00009	0.00538	9.347	0.000903
12:22:54.701	-12	0.00004	0.00018	0.00639	9.089	0.000878
12:22:55.701	-12	0.00004	0.00007	0.00574	8.834	0.000854
12:22:56.701	-12	0.00003	0.00017	0.0043	7.165	0.000692
12:22:57.701	-12	0.00003	0.00007	0.00363	6.032	0.000583
12:22:58.701	-12	0.00003	0.00011	0.00341	5.284	0.000511
12:22:59.701	-12	0.00002	0.00009	0.0029	4.654	0.00045
12:23:00.701	-12	0.00002	0.00008	0.00186	3.678	0.000355
12:23:01.701	-12	0.00002	0.00011	0.00187	3.196	0.000309
12:23:02.701	-12	0.00001	0.00006	0.00188	2.867	0.000277
12:23:03.701	-12	0.00002	0.00016	0.00235	3.888	0.000376
12:23:04.701	-12	0.00003	0.00018	0.00499	6.583	0.000636
12:23:05.701	-12	0.00006	0.00057	0.01257	15.531	0.001499
12:23:06.701	-12	0.00008	0.00056	0.01483	18.589	0.001795
12:23:07.701	-12	0.0001	0.00024	0.00603	11.576	0.001118
12:23:08.701	-12	0.0001	0.00016	0.00359	5.82	0.000563
12:23:09.701	-12	0.00008	0.00006	0.00306	3.94	0.000381
12:23:10.701	-12	0.00007	0.00015	0.00316	3.732	0.000361
12:23:11.701	-12	0.00004	0.00008	0.00303	3.951	0.000382

24.7	3.00E-01	-0.100	0.400	0.000	0.322	7.200
25	3.00E-01	-0.100	0.400	0.000	0.317	8.300
26.1	3.00E-01	-0.100	0.400	0.000	0.336	6.000
27.1	5.00E-01	-0.100	0.600	0.000	0.469	7.500
30.3	5.00E-01	-0.100	0.600	0.000	0.477	4.800
30.9	5.00E-01	-0.100	0.600	0.000	0.479	6.400
32.7	5.00E-01	-0.200	0.600	0.000	0.478	6.400
33	5.00E-01	-0.200	0.600	0.000	0.477	5.100
33.9	5.00E-01	-0.200	0.600	0.000	0.477	8.700
33.9	5.00E-01	-0.300	0.600	0.000	0.480	3.500
33.8	5.00E-01	-0.300	0.600	0.000	0.487	7.700
33.7	5.00E-01	-0.400	0.600	0.000	0.489	5.200
33.4	5.00E-01	-0.400	0.600	0.000	0.484	7.600
33.4	5.00E-01	-0.400	0.600	0.000	0.480	6.200
33.6	5.00E-01	-0.400	0.600	0.000	0.478	5.500
33.6	5.00E-01	-0.400	0.600	0.000	0.476	9.000
33.6	5.00E-01	-0.400	0.600	0.000	0.474	3.400
33.6	5.00E-01	-0.400	0.600	0.000	0.476	8.000
33.7	5.00E-01	-0.400	0.600	0.000	0.478	6.700
33.1	5.00E-01	-0.500	0.600	0.000	0.481	8.600
31.2	4.00E-01	-0.500	0.500	0.000	0.403	7.500
30.7	4.00E-01	-0.500	0.500	0.000	0.407	7.000
29.2	4.00E-01	-0.500	0.500	0.000	0.415	9.200
29.2	4.00E-01	-0.500	0.500	0.000	0.412	4.400
29.2	4.00E-01	-0.500	0.500	0.000	0.400	9.700
29.7	4.00E-01	-0.400	0.500	0.000	0.390	9.200
31.3	4.00E-01	-0.200	0.500	0.000	0.387	8.700
32.6	4.00E-01	-0.100	0.500	0.000	0.389	6.000
37.1	4.00E-01	0.000	0.500	0.000	0.391	2.900
37.7	4.00E-01	0.000	0.500	0.000	0.392	5.700
39.7	4.00E-01	0.000	0.500	0.000	0.392	2.200
40.2	4.00E-01	0.000	0.500	0.000	0.392	6.800
41.8	4.00E-01	0.000	0.500	0.000	0.393	3.300
42	4.00E-01	0.000	0.500	0.000	0.393	5.800
42.6	4.00E-01	0.000	0.500	0.000	0.393	5.400
42.6	4.00E-01	0.000	0.500	0.000	0.394	5.900
42.8	4.00E-01	0.000	0.500	0.000	0.395	9.000
42.6	4.00E-01	-0.100	0.500	0.000	0.396	5.100
42.1	4.00E-01	-0.100	0.500	0.000	0.395	10.600
42	4.00E-01	-0.100	0.500	0.000	0.392	8.000
41.8	4.00E-01	-0.100	0.500	0.000	0.408	13.300
42.2	5.00E-01	-0.100	0.600	0.000	0.462	10.200
43.5	7.00E-01	0.400	0.600	0.280	0.470	6.000
44.2	1.20E+00	0.900	0.600	0.739	0.476	6.700
46.4	1.40E+00	1.100	0.600	0.878	0.479	3.300
46.3	1.30E+00	1.000	0.600	0.825	0.478	9.400
46	8.00E-01	0.500	0.600	0.372	0.475	5.300

190.4	37.0069	1398	24.758	83.1	324.206211	273.929099
190.4	57.95237	1482	26.101	86.7	324.272296	307.550433
190.4	71.66825	1602	27.975	77.1	334.846	345.159039
190.4	70.39726	1704	30.36	68.3	341.071563	364.915652
190.4	54.79848	1774	31.05	61.7	343.255678	360.49904
190.8	42.32118	1536	32.164	68.8	338.809328	353.226228
191.2	33.04904	1554	32.387	65.8	334.11094	349.341353
191.6	29.55846	1562	32.91	59	329.708078	344.467318
192	20.45219	1290	32.91	25	328.013	329.528211
	14.54044	1283	32.29	18.9	323.874428	311.45233
	25.36286	1268	32.29	45.4	322.268969	303.215941
	27.76229	1274	32.29	62.5	322.010373	303.99664
	30.64804	1282	32.29	53.2	321.49625	311.085185
	24.1167	1278	32.29	55.4	320.132881	307.616192
192.2	29.13214	1279	32.29	72.9	319.794898	311.303264
192.2	28.77	1282	32.29	56.2	319.6018	318.099225
192.2	22.03118	1280	32.29	43.4	317.493558	313.680023
192.2	15.42996	1263	32.163	27.8	314.582535	306.231118
192.2	11.0394	1216	30.875	6.2	311.049167	295.750147
191.9	10.21472	1142	29.125	0	307.598447	284.585644
191.6	9.78221	1116	28.532	0.2	304.866112	275.123427
191.2	24.75598	1264	27.95	22.4	293.808924	266.10519
190.8	27.71792	1335	27.95	62.3	290.082696	265.916974
190.4	29.66288	1354	28.254	70.9	291.30442	273.750698
	55.47164	1405	29.512	94.5	295.818033	299.501552
	84.05	1509	31.659	99.6	318.9825	350.502595
	78.28309	1634	34.169	94.7	342.592857	396.696213
	75.29465	1735	36.342	72.6	357.801455	417.158276
	65.20323	1802	37.559	78.5	357.112112	420.760374
192.5	64.17925	1857	38.78	81.4	353.991684	422.972391
192.9	65.27658	1904	40.202	79.3	346.321147	426.2
193.3	54.26158	1616	40.37	75.4	345.53727	424.880394
193.7	43.31238	1614	40.99	73.2	309.315714	418.207885
194	41.98593	1623	40.99	74.7	309.593333	411.791242
194	32.73703	1624	40.99	62.3	309.504127	402.337625
194	29.10732	1564	40.99	56.7	307.47027	391.408709
194	27.92556	1323	40.99	65.1	296.22425	382.781229
194	24.1104	1315	40.37	60.8	303.818703	373.539846
194	25.4977	1306	40.37	81.4	306.866875	366.211759
194	54.24344	1315	40.37	99.6	308.635789	382.300495
194	73.09645	1350	41.553	99.6	313.582515	416.788012
194	128.11181	1731	42.82	85.8	326.024375	459.391209
194	79.71113	1750	44.68	66.8	329.515	463.097297
194.2	46.18424	1761	44.71	64.8	327.047917	439.211
194.6	33.45805	1455	44.71	73.2	324.010417	420.037129
194.9	31.09586	1450	44.71	76.2	321.59959	411.779817
195.3	31.38411	1444	44.71	75.1	327.961954	406.960352

0.30718	0.26916	4.98693	8694.383
0.30721	0.2694	4.994	8701.519
0.30725	0.2696	5.00183	8711.383
0.30731	0.26987	5.00754	8721.763
0.30735	0.26999	5.00988	8727.555
0.30738	0.27012	5.01196	8732.011
0.30741	0.27023	5.01456	8735.943
0.30743	0.27029	5.01689	8738.976
0.30745	0.27039	5.01887	8741.608
0.30747	0.27043	5.02028	8743.845
0.30749	0.27052	5.02143	8745.813
0.30751	0.27059	5.02312	8747.823
0.30753	0.27069	5.02717	8750.33
0.30755	0.27077	5.02976	8753.218
0.30757	0.27084	5.03158	8756.388
0.30759	0.27096	5.03368	8759.576
0.30761	0.271	5.03585	8762.566
0.30762	0.27106	5.03711	8764.56
0.30763	0.2711	5.03825	8765.94
0.30764	0.27115	5.03928	8767.097
0.30765	0.27119	5.04027	8768.101
0.30766	0.27126	5.04172	8769.749
0.30768	0.27137	5.04332	8770.903
0.3077	0.27143	5.0472	8772.633
0.30773	0.27167	5.05523	8778.013
0.30778	0.27202	5.06999	8789.249
0.30783	0.27236	5.08127	8802.218
0.30788	0.27258	5.088	8813.409
0.30792	0.27267	5.09338	8822.756
0.30796	0.27285	5.09977	8831.845
0.308	0.27292	5.10551	8840.679
0.30803	0.27309	5.10981	8847.844
0.30806	0.27316	5.11344	8853.876
0.30809	0.27327	5.11685	8859.16
0.30811	0.27336	5.11975	8863.814
0.30813	0.27344	5.12161	8867.492
0.30815	0.27355	5.12348	8870.688
0.30816	0.27361	5.12536	8873.555
0.30818	0.27377	5.12771	8877.443
0.30821	0.27395	5.1327	8884.026
0.30827	0.27452	5.14527	8899.557
0.30835	0.27508	5.1601	8918.146
0.30845	0.27532	5.16613	8929.722
0.30855	0.27548	5.16972	8935.542
0.30863	0.27554	5.17278	8939.482
0.3087	0.27569	5.17594	8943.214
0.30874	0.27577	5.17897	8947.165

12:23:12.701	-12	0.00004	0.00013	0.00261	4.307	0.000416
12:23:13.701	-12	0.00004	0.00011	0.00216	4.546	0.000439
12:23:14.701	-12	0.00004	0.00012	0.00221	4.745	0.000458
12:23:15.701	-12	0.00004	0.0002	0.00265	5.325	0.000514
12:23:16.701	-12	0.00003	0.00012	0.0027	5.773	0.000558
12:23:17.701	-12	0.00003	0.00018	0.00251	5.733	0.000554
12:23:18.701	-12	0.00003	0.00013	0.00254	5.69	0.00055
12:23:19.701	-12	0.00003	0.00016	0.00268	5.305	0.000512
12:23:20.701	-12	0.00003	0.00017	0.00257	4.939	0.000477
12:23:21.701	-12	0.00003	0.00013	0.00289	4.685	0.000453
12:23:22.701	-12	0.00002	0.00017	0.00257	4.482	0.000433
12:23:23.701	-12	0.00002	0.00011	0.00198	4.241	0.00041
12:23:24.701	-12	0.00002	0.00019	0.00197	4.23	0.000409
12:23:25.701	-12	0.00002	0.00017	0.00189	4.006	0.000387
12:23:26.701	-12	0.00002	0.00018	0.00211	3.955	0.000382
12:23:27.701	-12	0.00003	0.00013	0.00226	3.778	0.000365
12:23:28.701	-12	0.00002	0.00014	0.00229	3.669	0.000355
12:23:29.701	-12	0.00002	0.00017	0.00217	3.479	0.000336
12:23:30.701	-12	0.00002	0.00013	0.00217	3.358	0.000325
12:23:31.701	-12	0.00002	0.00015	0.00216	3.233	0.000313
12:23:32.701	-12	0.00002	0.00013	0.00236	3.188	0.000308
12:23:33.701	-12	0.00002	0.00018	0.00254	3.349	0.000324
12:23:34.701	-12	0.00002	0.00014	0.00253	3.509	0.000339
12:23:35.701	-12	0.00002	0.00017	0.00265	3.996	0.000386
12:23:36.701	-12	0.00003	0.00022	0.00351	5.457	0.000528
12:23:37.701	-12	0.00004	0.00015	0.00487	7.157	0.000691
12:23:38.701	-12	0.00004	0.00028	0.00377	8.173	0.000789
12:23:39.701	-12	0.00004	0.00015	0.00311	7.364	0.000711
12:23:40.701	-12	0.00003	0.00017	0.0021	5.358	0.000518
12:23:41.701	-12	0.00003	0.00014	0.00196	4.664	0.000451
12:23:42.701	-12	0.00003	0.00016	0.0031	5.231	0.000506
12:23:43.701	-12	0.00004	0.00024	0.00565	7.335	0.000709
12:23:44.701	-12	0.00004	0.00014	0.0045	8.981	0.000867
12:23:45.701	-12	0.00005	0.0003	0.00389	9.477	0.000915
12:23:46.701	-12	0.00005	0.00017	0.00377	8.571	0.000827
12:23:47.701	-12	0.00004	0.00015	0.00326	6.236	0.000603
12:23:48.701	-12	0.00004	0.00005	0.00301	5.704	0.000551
12:23:49.701	-12	0.00004	0.00006	0.00305	5.93	0.000573
12:23:50.701	-12	0.00004	0.00009	0.00414	7.21	0.000696
12:23:51.701	-12	0.00005	0.00005	0.00539	9.741	0.00094
12:23:52.701	-12	0.00006	0.00016	0.0056	11.564	0.001116
12:23:53.701	-12	0.00007	0.00001	0.00521	11.864	0.001145
12:23:54.701	-12	0.00006	0.00019	0.00455	9.109	0.00088
12:23:55.701	-12	0.00005	0.0001	0.00436	6.716	0.000649
12:23:56.701	-12	0.00004	0.0001	0.00266	5.123	0.000495
12:23:57.701	-12	0.00004	0.00013	0.00299	5.897	0.00057
12:23:58.701	-12	0.00005	0.00007	0.00374	6.877	0.000664

46	7.00E-01	0.300	0.600	0.213	0.473	8.100
45.9	7.00E-01	0.200	0.600	0.157	0.494	6.600
45.9	7.00E-01	0.200	0.700	0.157	0.549	6.900
45.9	6.00E-01	0.100	0.700	0.053	0.548	10.700
45.9	5.00E-01	-0.100	0.700	0.000	0.546	6.100
46	5.00E-01	-0.200	0.600	0.000	0.468	9.600
46.1	5.00E-01	-0.200	0.600	0.000	0.468	7.000
46.3	5.00E-01	-0.200	0.600	0.000	0.469	9.100
46.3	5.00E-01	-0.200	0.600	0.000	0.470	9.900
46.3	5.00E-01	-0.200	0.600	0.000	0.471	7.900
46.4	5.00E-01	-0.200	0.600	0.000	0.471	10.400
46.6	5.00E-01	-0.200	0.600	0.000	0.471	7.200
46.6	5.00E-01	-0.200	0.600	0.000	0.471	12.600
46.8	5.00E-01	-0.200	0.600	0.000	0.471	12.100
46.9	5.00E-01	-0.200	0.600	0.000	0.497	12.200
47.1	6.00E-01	-0.200	0.700	0.000	0.551	9.200
47.1	6.00E-01	-0.200	0.700	0.000	0.551	10.100
47.2	6.00E-01	-0.200	0.700	0.000	0.551	13.100
47.2	6.00E-01	-0.200	0.700	0.000	0.552	10.300
47.2	6.00E-01	-0.200	0.700	0.000	0.554	11.600
47.2	5.00E-01	-0.200	0.700	0.000	0.530	10.200
47.1	5.00E-01	-0.200	0.600	0.000	0.475	13.700
47.1	5.00E-01	-0.200	0.600	0.000	0.475	10.300
47.1	5.00E-01	-0.200	0.600	0.000	0.474	10.900
47.1	5.00E-01	-0.200	0.600	0.000	0.472	10.900
47.1	5.00E-01	-0.200	0.600	0.000	0.468	6.300
47.3	5.00E-01	-0.200	0.600	0.000	0.466	10.800
47.9	5.00E-01	-0.200	0.600	0.000	0.467	6.300
48	5.00E-01	-0.100	0.600	0.000	0.470	9.100
48.4	5.00E-01	-0.100	0.600	0.000	0.473	8.200
48.3	5.00E-01	-0.100	0.600	0.000	0.472	8.700
48.1	5.00E-01	-0.100	0.600	0.000	0.467	10.100
48.2	5.00E-01	-0.100	0.600	0.000	0.464	5.100
48.4	5.00E-01	-0.100	0.700	0.000	0.541	10.400
48.6	5.00E-01	0.000	0.700	0.000	0.544	6.200
49.3	5.00E-01	0.000	0.700	0.000	0.549	6.900
49.3	5.00E-01	0.000	0.700	0.000	0.549	2.300
49.4	5.00E-01	0.000	0.700	0.000	0.548	2.800
49.3	5.00E-01	0.000	0.700	0.000	0.544	3.800
49.1	5.00E-01	0.000	0.700	0.000	0.540	1.600
49.2	5.00E-01	0.000	0.700	0.000	0.538	4.700
49.5	6.00E-01	0.000	0.800	0.000	0.617	0.300
49.7	6.00E-01	0.000	0.800	0.000	0.623	6.300
50.5	6.00E-01	0.000	0.800	0.000	0.627	4.400
50.5	6.00E-01	0.000	0.800	0.000	0.629	5.500
50.6	6.00E-01	0.000	0.800	0.000	0.628	6.100
50.4	6.00E-01	0.000	0.800	0.000	0.623	3.000

195.7	33.42838	1442	44.09	77.9	333.016667	403.5348
195.8	34.05911	1439	44.09	78.1	333.029167	401.975449
195.8	34.81761	1438	44.09	78.3	332.986013	401.824124
195.8	40.71781	1438	44.188	76	334.844271	405.475
195.8	40.17289	1444	44.71	76.5	347.130921	409.911111
195.8	40.06626	1449	44.71	78.1	351.238542	411.411538
195.8	41.28388	1453	44.71	77.3	348.058921	412.59902
195.8	36.77672	1456	44.71	74.4	348.1555	413.418681
195.8	34.96396	1456	44.71	77	355.931381	408.469101
195.8	34.40555	1459	44.71	78	354.417925	405.563041
195.8	33.80479	1465	45.33	77.3	343.718483	403.672
195.8	27.69579	1469	45.33	62.9	338.809452	399.582711
195.8	32.19836	1470	45.33	74.2	333.079026	396.299891
195.8	29.10747	1474	45.33	71	320.933857	393.035526
195.8	30.39958	1476	45.33	71.8	329.194154	389.557381
195.6	29.59806	1478	45.33	67.7	336.08875	386.84668
195.2	28.40937	1480	45.33	63.3	335.392945	383.522772
194.8	27.64511	1478	45.33	55.6	337.445714	377.931987
194.5	26.52738	1476	45.33	53.9	338.849488	371.336599
194.1	27.09036	1472	45.33	55.5	338.929925	366.452155
194	26.61488	1469	45.33	56.2	338.337917	362.984179
194	27.85508	1471	45.33	64.6	337.395	359.820333
194	29.31154	1474	45.33	65.9	341.274844	359.542618
194	33.59856	1475	45.33	71.3	339.722414	361.265581
194	43.08981	1484	45.776	91.3	341.671111	371.433497
194	52.52242	1493	45.95	84.1	351.966667	390.02449
194	53.36483	1508	46.58	77.6	362.049763	406.512871
194	51.74094	1518	46.58	76.9	361.620367	415.075102
194	38.68796	1514	46.58	69.4	361.93871	411.636471
194	33.94181	1509	46.711	79.3	360.087288	404.646667
194	40.13973	1504	46.58	87.8	353.298462	407.712889
194	49.43184	1514	46.58	90.7	348.530347	423.276529
194	58.16834	1524	47.2	82.2	340.186667	438.013357
194	60.56069	1538	47.2	79.4	341.010769	448.3784
194.1	55.28161	1545	47.82	74.3	338.937293	451.007033
194.5	43.3823	1548	47.82	79	351.551372	441.94044
194.9	41.70127	1544	47.82	81.5	356.315918	439.349272
195.3	40.89542	1538	47.2	82.3	357.981729	437.378462
195.6	48.54877	1538	47.2	86.9	356.493333	442.006294
195.8	62.13867	1547	47.793	84.1	359.542204	458.08022
195.8	72.3768	1560	47.82	79	362.597297	471.97663
195.8	74.26811	1577	48.44	77.9	364.823333	480.187326
195.8	64.15744	1587	49.06	75.1	384.088673	476.694239
195.8	45.92253	1585	49.06	73.5	402.615094	466.746137
196.1	38.31065	1573	48.44	73.3	399.779898	455.327525
196.5	41.94788	1563	48.44	85.3	391.216	449.372727
196.9	50.20892	1556	48.107	83.2	394.419351	455.406569

0.30878	0.2759	5.18158	8951.472
0.30882	0.27601	5.18374	8956.018
0.30886	0.27613	5.18595	8960.763
0.3089	0.27633	5.1886	8966.088
0.30893	0.27645	5.1913	8971.861
0.30896	0.27663	5.19381	8977.594
0.30899	0.27676	5.19635	8983.284
0.30902	0.27692	5.19903	8988.589
0.30905	0.27709	5.2016	8993.528
0.30908	0.27722	5.20449	8998.213
0.3091	0.27739	5.20706	9002.695
0.30912	0.2775	5.20904	9006.936
0.30914	0.27769	5.21101	9011.166
0.30916	0.27786	5.2129	9015.172
0.30918	0.27804	5.21501	9019.127
0.30921	0.27817	5.21727	9022.905
0.30923	0.27831	5.21956	9026.574
0.30925	0.27848	5.22173	9030.053
0.30927	0.27861	5.2239	9033.411
0.30929	0.27876	5.22606	9036.644
0.30931	0.27889	5.22842	9039.832
0.30933	0.27907	5.23096	9043.181
0.30935	0.27921	5.23349	9046.69
0.30937	0.27938	5.23614	9050.686
0.3094	0.2796	5.23965	9056.143
0.30944	0.27975	5.24452	9063.3
0.30948	0.28003	5.24829	9071.473
0.30952	0.28018	5.2514	9078.837
0.30955	0.28035	5.2535	9084.195
0.30958	0.28049	5.25546	9088.859
0.30961	0.28065	5.25856	9094.09
0.30965	0.28089	5.26421	9101.425
0.30969	0.28103	5.26871	9110.406
0.30974	0.28133	5.2726	9119.883
0.30979	0.2815	5.27637	9128.454
0.30983	0.28165	5.27963	9134.69
0.30987	0.2817	5.28264	9140.394
0.30991	0.28176	5.28569	9146.324
0.30995	0.28185	5.28983	9153.534
0.31	0.2819	5.29522	9163.275
0.31006	0.28206	5.30082	9174.839
0.31013	0.28207	5.30603	9186.703
0.31019	0.28226	5.31058	9195.812
0.31024	0.28236	5.31494	9202.528
0.31028	0.28246	5.3176	9207.651
0.31032	0.28259	5.32059	9213.548
0.31037	0.28266	5.32433	9220.425

12:23:59.701	-12	0.00004	0.00013	0.00293	5.343	0.000516
12:24:00.701	-12	0.00003	0.00004	0.00173	3.607	0.000348
12:24:01.701	-12	0.00003	0.00012	0.00223	3.743	0.000362
12:24:02.701	-12	0.00003	0.00015	0.00372	5.437	0.000526
12:24:03.701	-12	0.00004	0.00019	0.00522	7.961	0.000769
12:24:04.701	-12	0.00005	0.00019	0.00532	9.817	0.000948
12:24:05.701	-12	0.00005	0.00012	0.0047	10.476	0.001011
12:24:06.701	-12	0.00005	0.00026	0.00489	10.859	0.001048
12:24:07.701	-12	0.00006	0.00011	0.00487	10.405	0.001004
12:24:08.701	-12	0.00005	0.00016	0.00335	7.253	0.000701
12:24:09.701	-12	0.00005	0.00007	0.00362	5.462	0.000528
12:24:10.701	-12	0.00004	0.0001	0.00372	4.882	0.000472
12:24:11.701	-12	0.00004	0.00011	0.00307	4.442	0.000429
12:24:12.701	-12	0.00003	0.00008	0.00219	3.618	0.00035
12:24:13.701	-12	0.00003	0.00013	0.00173	3.41	0.00033
12:24:14.701	-12	0.00003	0.00008	0.00173	3.029	0.000293
12:24:15.701	-12	0.00002	0.0001	0.00158	2.409	0.000233
12:24:16.701	-12	0.00002	0.00006	0.00123	1.678	0.000162
12:24:17.701	-12	0.00003	0.00019	0.00253	3.749	0.000363
12:24:18.701	-12	0.00004	0.00021	0.00131	2.538	0.000246
12:24:19.701	-12	0.00004	0.00012	0.00197	1.317	0.000128
12:24:20.701	-12	0.00002	0.00012	0.00126	0.439	0.000043
12:24:21.701	-12	0.00001	0.00004	0.00099	0.165	0.000016
12:24:22.701	-12	0.00001	0.00006	0.00093	0.121	0.000012
12:24:23.701	-12	0.00001	0.00003	0.00078	0.101	0.00001
12:24:24.701	-12	0.00001	0.00004	0.00073	0.094	0.000009
12:24:25.701	-12	0.00001	0.00004	0.00071	0.09	0.000009
12:24:26.701	-12	0.00001	0.00003	0.00068	0.084	0.000008
12:24:27.701	-12	0.00001	0.00004	0.00066	0.081	0.000008
12:24:28.701	-12	0.00001	0.00003	0.00064	0.078	0.000008
12:24:29.701	-12	0.00001	0.00005	0.0008	0.096	0.000009
12:24:30.701	-12	0.00001	0.00004	0.00087	0.111	0.00001
12:24:31.701	-12	0.00002	0.00011	0.00148	0.257	0.000025
12:24:32.701	-12	0.00006	0.0003	0.01184	3.389	0.00033
12:24:33.701	-12	0.00008	0.00024	0.01589	8.769	0.00085
12:24:34.701	-12	0.00014	0.00033	0.01257	12.088	0.00117
12:24:35.701	-12	0.00019	0.00021	0.00819	13.346	0.00129
12:24:36.701	-12	0.0002	0.00036	0.00561	10.763	0.00104
12:24:37.701	-12	0.00016	0.00016	0.0043	7.449	0.00072
12:24:38.701	-12	0.00015	0.00018	0.00407	7.325	0.000708
12:24:39.701	-12	0.00015	0.00017	0.00412	7.903	0.000763
12:24:40.701	-12	0.00018	0.00013	0.00471	10.009	0.000967
12:24:41.701	-12	0.00019	0.00028	0.00457	10.475	0.001012
12:24:42.701	-12	0.00015	0.00022	0.0039	7.913	0.000765
12:24:43.701	-12	0.00013	0.00031	0.00462	6.887	0.000666
12:24:44.701	-12	0.00012	0.00013	0.00446	6.601	0.000638
12:24:45.701	-12	0.00011	0.00016	0.00361	5.776	0.000558

49.8	6.00E-01	0.000	0.800	0.000	0.622	7.600
49.6	6.00E-01	0.000	0.800	0.000	0.605	3.400
49	6.00E-01	0.000	0.700	0.000	0.554	7.800
48.6	5.00E-01	-0.200	0.600	0.000	0.473	7.100
47.4	5.00E-01	-0.200	0.600	0.000	0.468	7.300
47.4	5.00E-01	-0.100	0.600	0.000	0.464	6.500
47.4	5.00E-01	0.000	0.600	0.000	0.464	3.700
47.6	5.00E-01	0.000	0.600	0.000	0.464	7.900
48.3	5.00E-01	0.000	0.700	0.000	0.543	3.400
48.6	6.00E-01	0.100	0.700	0.102	0.547	6.600
49.4	7.00E-01	0.200	0.700	0.157	0.551	3.300
49.3	7.00E-01	0.200	0.700	0.157	0.551	5.500
49	7.00E-01	0.200	0.700	0.157	0.549	7.000
48.8	7.00E-01	0.200	0.700	0.157	0.551	6.100
48.2	7.00E-01	0.200	0.700	0.158	0.552	9.900
48	7.00E-01	0.200	0.700	0.158	0.553	7.000
47.3	7.00E-01	0.200	0.700	0.135	0.555	10.300
47.1	6.00E-01	0.100	0.700	0.080	0.557	7.800
46.3	6.00E-01	0.000	0.700	0.000	0.561	10.500
45.6	6.00E-01	-0.100	0.700	0.000	0.576	10.100
43.2	6.00E-01	-0.200	0.700	0.000	0.585	6.100
42	6.00E-01	-0.300	0.700	0.000	0.591	9.700
38.1	6.00E-01	-0.300	0.700	0.000	0.593	5.100
36.8	5.00E-01	-0.300	0.600	0.000	0.508	9.500
32.7	5.00E-01	-0.300	0.600	0.000	0.509	6.300
31.5	5.00E-01	-0.300	0.600	0.000	0.509	7.000
27.6	5.00E-01	-0.300	0.600	0.000	0.509	7.600
26.1	5.00E-01	-0.300	0.600	0.000	0.509	6.700
21.3	5.00E-01	-0.300	0.600	0.000	0.509	9.400
20.2	5.00E-01	-0.300	0.600	0.000	0.509	6.900
16.7	5.00E-01	-0.300	0.600	0.000	0.509	9.100
15.9	5.00E-01	-0.300	0.600	0.000	0.508	5.400
13.5	5.00E-01	-0.300	0.600	0.000	0.508	8.700
12.9	5.00E-01	-0.300	0.600	0.000	0.498	8.000
10.9	5.00E-01	-0.300	0.600	0.000	0.510	5.100
12.4	8.00E-01	-0.100	1.000	0.000	0.817	6.700
17.1	1.10E+00	0.200	1.200	0.147	0.971	4.000
18.7	1.50E+00	0.500	1.400	0.395	1.072	8.700
23.9	1.70E+00	0.600	1.500	0.474	1.185	5.400
25	1.70E+00	0.600	1.500	0.472	1.181	6.600
28.5	1.60E+00	0.600	1.500	0.470	1.175	6.300
29.3	1.60E+00	0.600	1.500	0.468	1.171	4.000
32.1	1.60E+00	0.600	1.500	0.468	1.171	7.900
32.9	1.60E+00	0.600	1.500	0.471	1.177	7.600
35.4	1.60E+00	0.600	1.400	0.472	1.101	12.400
36	1.60E+00	0.600	1.400	0.471	1.100	5.500
37.9	1.60E+00	0.600	1.400	0.471	1.099	7.700

197.3	34.43246	1548	47.82	67.4	386.38166	451.372111
197.6	27.24803	1520	47.259	58.7	371.521053	433.354397
197.2	24.37992	1501	46.002	48.9	367.067726	416.606406
196.8	49.50158	1478	45.95	88.3	361.891923	419.301502
196.4	55.71379	1483	45.949	78.8	362.654859	435.008037
196.1	64.12642	1494	45.95	82	353.889327	448.723953
	65.82054	1508	46.58	80.1	356.180636	458.721678
	67.67103	1527	47.2	81.5	358.410269	466.783117
	66.5117	1543	47.82	77.4	363.196038	472.033006
	48.75024	1547	47.82	68	365.222424	463.450199
	38.11635	1537	47.2	79.2	366.551894	451.900387
197.6	39.67143	1530	47.2	72.9	358.300714	447.980244
197.6	26.24979	1516	46.58	71.7	349.892674	439.129341
197.6	28.28827	1501	46.082	63.7	359.388654	429.020242
197.6	27.70077	1490	45.95	53.9	366.125306	418.137758
197.6	25.79083	1478	45.33	46	368.875625	406.470588
197.3	21.75148	1457	45.068	43.1	370.7	394.164674
196.9	11.60898	1430	44.267	2.8	363.29887	378.979565
196.5	38.82105	1376	42.486	0	356.588391	359.819114
196.1	45.61798	1310	40.416	0	350.084906	338.123702
	44.28145	1226	37.735	0	345.833427	316.040812
	39.3381	1138	35.252	0.2	340.569942	296.562151
	13.6417	1198	32.244	1.7	336.253409	283.932745
	11.55237	1193	30.311	0.1	333.198323	276.904396
	10.6942	1097	27.898	0.7	330.942035	272.7639
194	10.7635	1206	24.789	0.2	329.743951	269.357639
194	10.5135	1101	22.318	2	331.24095	265.751792
194	10.32462	1079	18.785	2.9	340.261731	262.483077
194	9.58	1164	16.897	2.8	337.400626	259.805128
194	9.76835	1119	14.9	2.4	324.687775	256.315484
193.8	14.59482	985	13.519	4.8	322.0456	254.00664
193.4	15.85625	994	11.731	8.9	321.775681	251.564036
193	16.72625	1068	10.56	32.1	320.27044	248.84
192.7	62.01301	1793	10.973	81.5	314.091176	272.644968
192.3	104.63588	2201	14.841	75.4	341.626495	336.271173
192.2	101.43091	2176	17.96	71.4	356.395407	372.367562
192.2	107.04137	2273	21.602	75.7	368.015595	402.303953
192.2	98.73875	2192	24.772	70.7	380.225	418.374157
192.2	63.59673	1878	26.652	85.7	383.408571	422.85976
192.2	55.41946	1610	28.237	86.7	384.734304	427.538462
192.5	53.02219	1695	29.761	93.1	386.33048	431.9582
192.9	71.36833	1794	31.618	81.4	388.048125	438.737838
193.2	77.44906	1900	33.514	72.2	391.813235	446.1
193.6	57.29217	1833	35.085	83.2	393.518351	444.948551
193.9	46.52347	1720	36.02	83.3	390.851775	441.887988
194	50.91652	1762	36.948	70.8	388.829418	438.094854
194	48.33353	1591	37.523	81.8	381.919472	433.898711

0.31041	0.28279	5.32726	9225.768
0.31044	0.28283	5.32899	9229.375
0.31047	0.28295	5.33122	9233.118
0.3105	0.2831	5.33494	9238.555
0.31054	0.28329	5.34016	9246.516
0.31059	0.28348	5.34548	9256.333
0.31064	0.2836	5.35018	9266.809
0.31069	0.28386	5.35507	9277.668
0.31075	0.28397	5.35994	9288.073
0.3108	0.28413	5.36329	9295.326
0.31085	0.2842	5.36691	9300.788
0.31089	0.2843	5.37063	9305.67
0.31093	0.28441	5.3737	9310.112
0.31096	0.28449	5.37589	9313.73
0.31099	0.28462	5.37762	9317.14
0.31102	0.2847	5.37935	9320.169
0.31104	0.2848	5.38093	9322.578
0.31106	0.28486	5.38216	9324.256
0.31109	0.28505	5.38469	9328.005
0.31113	0.28526	5.386	9330.543
0.31117	0.28538	5.38797	9331.86
0.31119	0.2855	5.38923	9332.299
0.3112	0.28554	5.39022	9332.464
0.31121	0.2856	5.39115	9332.585
0.31122	0.28563	5.39193	9332.686
0.31123	0.28567	5.39266	9332.78
0.31124	0.28571	5.39337	9332.87
0.31125	0.28574	5.39405	9332.954
0.31126	0.28578	5.39471	9333.035
0.31127	0.28581	5.39535	9333.113
0.31128	0.28586	5.39615	9333.209
0.31129	0.2859	5.39702	9333.32
0.31131	0.28601	5.3985	9333.577
0.31137	0.28631	5.41034	9336.966
0.31145	0.28655	5.42623	9345.735
0.31159	0.28688	5.4388	9357.823
0.31178	0.28709	5.44699	9371.169
0.31198	0.28745	5.4526	9381.932
0.31214	0.28761	5.4569	9389.381
0.31229	0.28779	5.46097	9396.706
0.31244	0.28796	5.46509	9404.609
0.31262	0.28809	5.4698	9414.618
0.31281	0.28837	5.47437	9425.093
0.31296	0.28859	5.47827	9433.006
0.31309	0.2889	5.48289	9439.893
0.31321	0.28903	5.48735	9446.494
0.31332	0.28919	5.49096	9452.27

12:24:46.701	-12	0.00008	0.00012	0.00247	4.607	0.000445
12:24:47.701	-12	0.00008	0.0001	0.00206	3.902	0.000377
12:24:48.701	-12	0.00007	0.00013	0.00218	3.206	0.00031
12:24:49.701	-12	0.00006	0.0001	0.00177	2.997	0.00029
12:24:50.701	-12	0.00005	0.00014	0.00185	2.555	0.000247
12:24:51.701	-12	0.00004	0.00009	0.00173	2.489	0.000241
12:24:52.701	-12	0.00004	0.00016	0.00194	2.75	0.000266
12:24:53.701	-12	0.00004	0.0002	0.00236	2.897	0.00028
12:24:54.701	-12	0.00005	0.00016	0.00301	3.592	0.000348
12:24:55.701	-12	0.00005	0.00023	0.00285	4.555	0.00044
12:24:56.701	-12	0.00005	0.00011	0.00278	4.404	0.000426
12:24:57.701	-12	0.00004	0.00014	0.00235	3.945	0.000381
12:24:58.701	-12	0.00004	0.00008	0.00178	3.143	0.000304
12:24:59.701	-12	0.00004	0.00012	0.00182	2.984	0.000289
12:25:00.701	-12	0.00003	0.00009	0.002	2.911	0.000282
12:25:01.701	-12	0.00004	0.00007	0.00234	3.967	0.000384
12:25:02.701	-12	0.00004	0.00008	0.00317	4.534	0.000438
12:25:03.701	-12	0.00004	0.00004	0.00227	4.137	0.0004
12:25:04.701	-12	0.00004	0.00011	0.00193	3.764	0.000364
12:25:05.701	-12	0.00004	0.00007	0.00217	3.532	0.000341
12:25:06.701	-12	0.00003	0.00008	0.00191	2.853	0.000276
12:25:07.701	-12	0.00003	0.00007	0.00155	2.645	0.000256
12:25:08.701	-12	0.00003	0.0001	0.00178	3.191	0.000309
12:25:09.701	-12	0.00004	0.00019	0.00248	4.004	0.000387
12:25:10.701	-12	0.00004	0.00011	0.00312	5.038	0.000487
12:25:11.701	-12	0.00004	0.00017	0.00304	4.92	0.000475
12:25:12.701	-12	0.00004	0.00011	0.00264	4.593	0.000444
12:25:13.701	-12	0.00004	0.00015	0.00324	4.945	0.000478
12:25:14.701	-12	0.00004	0.00013	0.00234	4.699	0.000454
12:25:15.701	-12	0.00004	0.00012	0.00243	4.821	0.000466
12:25:16.701	-12	0.00005	0.00019	0.00292	5.847	0.000565
12:25:17.701	-12	0.00005	0.00007	0.00239	5.405	0.000522
12:25:18.701	-12	0.00004	0.00012	0.0017	4.279	0.000413
12:25:19.701	-12	0.00004	0.00007	0.00136	3.753	0.000363
12:25:20.701	-12	0.00004	0.00011	0.00175	3.303	0.000319
12:25:21.701	-12	0.00003	0.00007	0.00166	2.869	0.000277
12:25:22.701	-12	0.00011	0.00008	0.00144	2.688	0.00026
12:25:23.701	-12	0.00007	0.00013	0.00132	2.928	0.000283
12:25:24.701	-12	0.00005	0.0001	0.00138	2.997	0.00029
12:25:25.701	-12	0.00006	0.00015	0.00184	3.107	0.0003
12:25:26.701	-12	0.00005	0.0001	0.00189	3.156	0.000305
12:25:27.701	-12	0.00005	0.00015	0.00204	3.484	0.000337
12:25:28.701	-12	0.00005	0.00012	0.0019	3.453	0.000334
12:25:29.701	-12	0.00005	0.00013	0.00206	3.839	0.000371
12:25:30.701	-12	0.00006	0.00019	0.00285	5.104	0.000493
12:25:31.701	-12	0.00006	0.00012	0.00379	5.498	0.000531
12:25:32.701	-12	0.00006	0.00017	0.00214	5.218	0.000504

38.3	1.60E+00	0.600	1.400	0.471	1.098	7.600
39.6	1.60E+00	0.600	1.400	0.473	1.103	6.800
39.7	1.50E+00	0.500	1.400	0.397	1.111	9.900
39.9	1.50E+00	0.500	1.400	0.375	1.093	7.800
39.9	1.30E+00	0.300	1.300	0.239	1.037	12.800
39.9	1.10E+00	0.200	1.200	0.159	0.957	8.200
39.9	1.00E+00	0.100	1.200	0.080	0.960	12.300
39.8	9.00E-01	0.100	1.100	0.057	0.884	13.600
39.8	9.00E-01	0.000	1.100	0.000	0.879	9.700
39.9	9.00E-01	0.000	1.100	0.000	0.873	12.100
40.1	9.00E-01	0.000	1.100	0.000	0.868	6.300
40.6	9.00E-01	0.000	1.100	0.000	0.868	9.700
40.7	9.00E-01	0.000	1.100	0.000	0.871	6.200
41.1	9.00E-01	0.000	1.100	0.000	0.876	9.700
41.1	8.00E-01	0.000	1.100	0.000	0.849	7.300
41.2	8.00E-01	0.000	1.000	0.000	0.791	4.300
41.3	8.00E-01	-0.100	1.000	0.000	0.786	4.900
41.7	8.00E-01	0.000	1.000	0.000	0.783	3.100
41.8	8.00E-01	0.000	1.000	0.000	0.787	7.800
42.2	8.00E-01	0.000	1.000	0.000	0.790	4.800
42.3	8.00E-01	0.000	1.000	0.000	0.787	7.600
42.6	8.00E-01	0.000	1.000	0.000	0.790	7.300
42.5	8.00E-01	0.000	1.000	0.000	0.794	7.300
42.3	8.00E-01	0.000	1.000	0.000	0.792	12.100
42.4	7.00E-01	0.000	0.900	0.000	0.706	6.400
42.8	7.00E-01	0.000	0.900	0.000	0.729	9.800
42.9	8.00E-01	-0.100	1.000	0.000	0.788	6.600
43.3	7.00E-01	-0.100	0.900	0.000	0.706	8.400
43.4	8.00E-01	-0.100	1.000	0.000	0.784	7.900
43.8	8.00E-01	-0.100	1.000	0.000	0.785	7.200
43.8	8.00E-01	-0.200	1.000	0.000	0.781	9.500
44	9.00E-01	-0.200	1.100	0.000	0.855	4.200
44.1	9.00E-01	-0.100	1.100	0.000	0.865	7.600
44.3	9.00E-01	-0.100	1.100	0.000	0.868	5.000
44.2	9.00E-01	-0.100	1.100	0.000	0.868	8.600
44	9.00E-01	-0.200	1.100	0.000	0.869	6.200
43.8	3.00E+00	-0.200	3.800	0.000	3.023	7.100
43.2	1.80E+00	-0.300	2.200	0.000	1.754	11.000
43.1	1.40E+00	-0.300	1.800	0.000	1.401	8.100
42.6	1.30E+00	-0.300	1.700	0.000	1.346	12.400
42.5	1.20E+00	-0.200	1.600	0.000	1.245	8.200
42.1	1.20E+00	-0.200	1.500	0.000	1.186	10.800
42.1	1.10E+00	-0.200	1.400	0.000	1.106	9.300
41.9	1.00E+00	-0.200	1.300	0.000	1.028	8.800
42	1.00E+00	-0.200	1.300	0.000	1.021	10.300
42.2	1.00E+00	-0.200	1.300	0.000	1.016	6.400
42.4	1.00E+00	-0.200	1.300	0.000	1.018	9.600

194	31.13719	1513	38.5	58.8	375.3	428.691385
194	24.50282	1522	38.5	51.5	365.454398	411.416975
194	23.24162	1515	38.5	38.6	352.027251	394.354324
194	29.95927	1514	38.5	60.8	347.488818	386.439499
194	24.41932	1515	38.5	44.4	347.084	376.819687
194	24.02998	1511	38.5	50.9	342.581875	365.677188
194	23.38342	1503	38.276	43.3	337.490076	351.51284
194	31.02515	1506	38.5	75.4	335.708091	349.817195
194	34.4879	1519	38.5	69	334.213576	353.715667
194	38.21975	1536	39.12	73.9	334.42729	359.0045
194	29.74205	1552	39.457	68.7	332.975	367.901141
194	30.15668	1560	39.74	51.4	333.058208	365.364153
194	25.4189	1437	39.74	54.9	332.407048	358.842604
194	27.874	1288	39.74	66.8	330.929667	357.6
194	23.80079	1294	39.74	70.9	332.688367	357.6
194	32.8177	1305	40.37	83.7	338.202558	361.541164
194	34.68192	1315	40.37	75.5	347.225	375.890584
194	29.44594	1323	40.99	61.3	348.145399	376.351468
194	27.64707	1326	40.99	74.6	346.326531	373.893195
194	32.53804	1330	40.99	58.2	344.582209	373.0248
194	21.25611	1331	40.99	55.4	348.493023	370.329366
194	20.98589	1328	40.99	51.3	345.423819	360.108696
194	28.61307	1324	40.99	80.9	340.465116	354.361142
194	35.80705	1333	40.99	77.6	337.454335	361.421001
194	36.59913	1344	41.61	71.1	333.918542	370.166148
194	33.10149	1352	41.61	70.3	331.352308	370.281518
194	32.52771	1364	42.081	80.2	334.362245	368.666058
194	41.64947	1372	42.23	74.3	335.360429	384.09227
194	32.51634	1370	42.23	62.1	334.505882	380.474827
194	34.21794	1375	42.723	87.9	338.749614	381.768333
194	44.26206	1384	42.796	77.5	344.471856	398.971571
	33.9606	1388	42.85	64	344.45	400.164264
	28.86417	1384	42.85	70.6	343.523597	391.808
	31.23645	1377	42.23	65.8	343.566667	389.348988
	25.20869	1371	42.23	54.3	343.151272	382.966667
	23.13544	1360	41.685	54.7	340.57362	374.629412
194	22.85029	1349	41.61	57.7	338.458246	366.1
194	25.24719	1342	40.99	63.2	341.596292	360.657066
194	25.18309	1332	40.99	52	341.808448	358.042286
194	25.31697	1324	40.99	74.5	343.182703	352.443478
194	25.38682	1315	40.37	51.3	343.75	351.848
	26.59457	1312	40.37	63.4	342.15	350.64789
	26.77305	1309	40.37	61.3	342.98048	350.91703
	31.35722	1314	40.37	79.7	340.923053	352.081531
	41.34089	1333	40.99	84.2	346.446327	365.461538
	36.13346	1344	41.61	65.9	355.240336	376.337106
194	37.93514	1357	41.61	79	353.4	376.738713

0.3134	0.28931	5.49343	9456.877
0.31348	0.28941	5.49549	9460.779
0.31355	0.28954	5.49767	9463.985
0.31361	0.28964	5.49944	9466.982
0.31366	0.28978	5.50129	9469.537
0.3137	0.28987	5.50302	9472.026
0.31374	0.29003	5.50496	9474.776
0.31378	0.29023	5.50732	9477.673
0.31383	0.29039	5.51033	9481.265
0.31388	0.29062	5.51318	9485.82
0.31393	0.29073	5.51596	9490.224
0.31397	0.29087	5.51831	9494.169
0.31401	0.29095	5.52009	9497.312
0.31405	0.29107	5.52191	9500.296
0.31408	0.29116	5.52391	9503.207
0.31412	0.29123	5.52625	9507.174
0.31416	0.29131	5.52942	9511.708
0.3142	0.29135	5.53169	9515.845
0.31424	0.29146	5.53362	9519.609
0.31428	0.29153	5.53579	9523.141
0.31431	0.29161	5.5377	9525.994
0.31434	0.29168	5.53925	9528.639
0.31437	0.29178	5.54103	9531.83
0.31441	0.29197	5.54351	9535.834
0.31445	0.29208	5.54663	9540.872
0.31449	0.29225	5.54967	9545.792
0.31453	0.29236	5.55231	9550.385
0.31457	0.29251	5.55555	9555.33
0.31461	0.29264	5.55789	9560.029
0.31465	0.29276	5.56032	9564.85
0.3147	0.29295	5.56324	9570.697
0.31475	0.29302	5.56563	9576.102
0.31479	0.29314	5.56733	9580.381
0.31483	0.29321	5.56869	9584.134
0.31487	0.29332	5.57044	9587.437
0.3149	0.29339	5.5721	9590.306
0.31501	0.29347	5.57354	9592.994
0.31508	0.2936	5.57486	9595.922
0.31513	0.2937	5.57624	9598.919
0.31519	0.29385	5.57808	9602.026
0.31524	0.29395	5.57997	9605.182
0.31529	0.2941	5.58201	9608.666
0.31534	0.29422	5.58391	9612.119
0.31539	0.29435	5.58597	9615.958
0.31545	0.29454	5.58882	9621.062
0.31551	0.29466	5.59261	9626.56
0.31557	0.29483	5.59475	9631.778

12:25:33.701	-12	0.00006	0.00009	0.00195	4.62	0.000446
12:25:34.701	-12	0.00005	0.00012	0.00181	3.772	0.000365
12:25:35.701	-12	0.00004	0.00009	0.00166	3.037	0.000294
12:25:36.701	-12	0.00003	0.00006	0.0013	1.984	0.000192
12:25:37.701	-12	0.00005	0.00014	0.00238	3.487	0.000337
12:25:38.701	-12	0.00007	0.00017	0.00314	4.595	0.000445
12:25:39.701	-12	0.00008	0.00026	0.00474	6.011	0.000581
12:25:40.701	-12	0.00007	0.00012	0.00433	5.769	0.000558
12:25:41.701	-12	0.00006	0.00012	0.00338	5.35	0.000517
12:25:42.701	-12	0.00004	0.00004	0.00224	3.567	0.000345
12:25:43.701	-12	0.00006	0.00007	0.0017	3.633	0.000351
12:25:44.701	-12	0.00006	0.00011	0.00364	3.759	0.000364
12:25:45.701	-12	0.00008	0.0001	0.00626	6.059	0.000586
12:25:46.701	-12	0.0001	0.00016	0.00596	8.193	0.000792
12:25:47.701	-12	0.00011	0.0001	0.00314	6.986	0.000675
12:25:48.701	-12	0.0001	0.00014	0.00189	4.837	0.000468
12:25:49.701	-12	0.0001	0.00014	0.00253	4.688	0.000453
12:25:50.701	-12	0.00012	0.00012	0.00469	6.241	0.000603
12:25:51.701	-12	0.00011	0.00016	0.00359	6.493	0.000627
12:25:52.701	-12	0.00007	0.00007	0.00144	3.815	0.000369
12:25:53.701	-12	0.00007	0.00014	0.00145	3.103	0.0003
12:25:54.701	-12	0.00003	0.00006	0.00137	1.613	0.000156
12:25:55.701	-12	0.00005	0.00014	0.00229	2.817	0.000273
12:25:56.701	-12	0.00005	0.00012	0.00151	2.504	0.000242
12:25:57.701	-12	0.00004	0.00011	0.0019	1.93	0.000187
12:25:58.701	-12	0.00004	0.00012	0.00211	2.128	0.000206
12:25:59.701	-12	0.00003	0.0001	0.00145	1.788	0.000173
12:26:00.701	-12	0.00004	0.00013	0.00119	1.429	0.000138
12:26:01.701	-12	0.00004	0.00009	0.0011	0.912	0.000088
12:26:02.701	-12	0.00007	0.00014	0.00254	1.044	0.000101
12:26:03.701	-12	0.00006	0.00011	0.00292	1.133	0.00011
12:26:04.701	-12	0.00006	0.00014	0.00332	1.446	0.00014
12:26:05.701	-12	0.00007	0.00013	0.00394	2.295	0.000223
12:26:06.701	-12	0.00006	0.00008	0.00444	3.144	0.000305
12:26:07.701	-12	0.00005	0.00011	0.00186	2.591	0.000251
12:26:08.701	-12	0.00005	0.00003	0.00168	2.113	0.000205
12:26:09.701	-12	0.00005	0.00005	0.00153	1.571	0.000152
12:26:10.701	-12	0.00009	0.00003	0.00247	1.684	0.000163
12:26:11.701	-12	0.0001	0.00007	0.00453	3.739	0.000362
12:26:12.701	-12	0.00012	0.00007	0.00537	6.03	0.000583
12:26:13.701	-12	0.0001	0	0.0029	5.315	0.000514
12:26:14.701	-12	0.00006	0.00003	0.00188	2.786	0.000269
12:26:15.701	-12	0.00005	0	0.00146	2.098	0.000203
12:26:16.701	-12	0.00006	0.00009	0.00169	2.555	0.000247
12:26:17.701	-12	0.00005	0.00007	0.00204	2.273	0.00022
12:26:18.701	-12	0.00004	0.00008	0.00271	2.278	0.000221
12:26:19.701	-12	0.00004	0.0001	0.00324	2.705	0.000262

43	1.00E+00	-0.200	1.300	0.000	1.022	5.400
43.1	1.00E+00	-0.200	1.300	0.000	1.023	8.500
43.5	1.00E+00	-0.200	1.300	0.000	1.027	7.800
43.4	1.00E+00	-0.200	1.300	0.000	1.028	7.600
43	1.00E+00	-0.200	1.300	0.000	1.038	9.200
42.7	1.00E+00	-0.200	1.300	0.000	1.038	8.300
41.9	1.00E+00	-0.200	1.300	0.000	1.005	10.900
42.1	9.00E-01	-0.200	1.200	0.000	0.946	5.500
42.7	9.00E-01	-0.100	1.200	0.000	0.946	5.900
42.8	1.00E+00	-0.100	1.200	0.000	0.975	3.000
43.3	1.00E+00	-0.100	1.300	0.000	1.042	3.800
43.2	1.00E+00	-0.100	1.300	0.000	1.043	6.100
42.8	1.10E+00	0.000	1.300	0.000	1.056	4.300
43	1.10E+00	0.000	1.500	0.000	1.140	6.000
43.5	1.40E+00	0.200	1.600	0.180	1.251	4.100
43.7	1.60E+00	0.400	1.600	0.317	1.267	7.100
44.5	1.60E+00	0.400	1.600	0.318	1.271	7.500
44.6	1.60E+00	0.400	1.600	0.315	1.260	5.400
45	1.60E+00	0.400	1.600	0.312	1.248	7.400
45.2	1.60E+00	0.400	1.600	0.314	1.256	5.200
45.9	1.50E+00	0.400	1.600	0.294	1.250	10.400
45.9	1.30E+00	0.300	1.400	0.212	1.091	8.400
45.7	1.20E+00	0.200	1.300	0.160	1.042	10.900
45.6	1.20E+00	0.200	1.300	0.137	1.050	9.200
45.2	1.00E+00	0.000	1.200	0.000	0.974	9.700
45.3	1.00E+00	0.000	1.200	0.000	0.969	10.400
45.5	1.00E+00	0.000	1.200	0.000	0.974	9.200
45.2	9.00E-01	0.000	1.100	0.000	0.906	11.100
44.3	1.30E+00	-0.100	1.500	0.000	1.281	9.100
44.2	1.80E+00	-0.100	2.200	0.000	1.831	12.500
43.7	1.50E+00	-0.100	1.800	0.000	1.467	9.400
43.5	1.30E+00	-0.100	1.600	0.000	1.325	9.800
43	1.30E+00	-0.100	1.600	0.000	1.307	8.500
43	1.20E+00	-0.100	1.500	0.000	1.204	5.200
42.8	1.30E+00	0.000	1.600	0.000	1.279	9.700
42.5	1.30E+00	0.000	1.600	0.000	1.290	2.500
41.4	1.30E+00	0.000	1.600	0.000	1.282	4.700
41.1	2.10E+00	-0.200	2.500	0.000	2.085	2.400
40.2	1.70E+00	-0.200	2.200	0.000	1.742	3.800
40.1	1.60E+00	-0.200	2.100	0.000	1.649	3.100
39.6	1.60E+00	-0.200	2.100	0.000	1.646	0.100
39.5	1.70E+00	-0.200	2.100	0.000	1.656	2.800
39.2	1.60E+00	-0.200	2.000	0.000	1.565	0.500
38.7	1.40E+00	-0.200	1.800	0.000	1.422	7.500
37.1	1.20E+00	-0.200	1.500	0.000	1.195	5.200
36.8	1.00E+00	-0.300	1.300	0.000	1.022	6.500
35.7	1.00E+00	-0.300	1.200	0.000	0.964	7.500

194	35.66738	1360	42.23	81.9	355.66087	380.661032
194	25.7455	1357	41.723	50.6	351.559375	377.742662
194	25.20302	1354	41.61	51	347.974194	369.873152
194	15.92533	1344	41.61	21.5	342.006643	357.448242
194	22.93098	1318	40.37	16.1	338.137051	341.957549
194	49.35002	1318	40.45	84.7	334.963269	349.922647
194	52.098	1330	41.096	77.4	339.586122	366.621407
194	40.24802	1344	41.61	84.6	338.948844	373.966446
194	41.61211	1354	41.61	67.9	339.756522	381.216406
194	17.55046	1342	41.61	28.1	341.472075	369.376676
194	36.70893	1342	41.457	66.8	337.558156	357.246464
194	38.34833	1345	41.61	92.8	337.768163	358.627949
194	51.79467	1357	41.61	88.3	342.8048	379.399018
194	58.03877	1381	42.23	78.1	346.238437	400.379371
194	53.5975	1394	42.85	78.4	347.530364	412.580454
194	33.40342	1402	42.85	80.9	344.141975	400.280888
194	40.47228	1403	43.425	79.6	344.57759	390.843562
194	48.5123	1417	43.519	82.2	350.093976	401.095172
194.2	47.67195	1432	44.09	69.3	368.2	417.758779
194.6	23.3655	1429	44.439	36.7	370.358868	402.238436
195	31.14683	1426	44.09	62.3	360.697551	387.892857
195.4	16.32358	1422	43.904	14.2	352.721387	376.691731
195.8	14.48732	1424	43.47	27.1	346.529944	359.56875
195.4	30.34461	1422	43.894	46.5	339.645369	349.347792
195.1	26.30847	1424	44.09	21.9	338.627483	342.340152
194.7	15.05271	1426	44.09	31.3	332.999804	329.725
194.3	15.27399	1408	43.47	1.7	328.513462	315.497715
194	26.55089	1390	42.85	39.9	325.060606	305.776364
193.6	14.39738	1390	42.783	21.5	324.213806	296.752918
193.2	18.13543	1365	42.198	23.8	320.425	287.63648
192.9	22.42412	1352	41.61	45.9	318.449898	284.059072
192.5	30.14466	1338	40.99	51.3	317.900189	286.316192
192.2	36.98823	1340	41.61	95.9	320.21535	302.982151
192.2	28.17819	1341	41.57	58.3	324.587659	314.258052
192.2	23.96293	1315	40.37	5.8	326.185315	306.361972
192.2	23.3607	1286	39.74	22	323.742391	294.306768
192.2	21.4659	1258	38.953	57.2	324.231663	290.758433
192.2	28.37593	1244	38.5	84.2	327.9	300.152632
192.2	42.08335	1242	37.88	88.4	327.436816	321.746868
192.2	47.49541	1241	38.5	77.2	329.345407	348.980849
192.2	37.3678	1233	38.026	61.8	330.688163	357.321429
192.2	21.27016	1220	37.455	37.5	329.073156	351.95794
192.2	12.8925	1184	36.64	20.7	328.868866	335.956531
192.2	23.62962	1157	35.378	48.4	325.684615	322.88
192.2	36.13277	1414	34.625	67.2	325.373462	324.030489
192.2	22.48	1336	33.909	44.1	326.211022	323.543985
192.2	25.15875	1312	33.339	67.8	322.99451	319.425994

0.31563	0.29492	5.5967	9636.398
0.31568	0.29504	5.59851	9640.17
0.31572	0.29513	5.60017	9643.207
0.31575	0.29519	5.60147	9645.191
0.3158	0.29533	5.60385	9648.678
0.31587	0.2955	5.60699	9653.273
0.31595	0.29576	5.61173	9659.284
0.31602	0.29588	5.61606	9665.053
0.31608	0.296	5.61944	9670.403
0.31612	0.29604	5.62168	9673.97
0.31618	0.29611	5.62338	9677.603
0.31624	0.29622	5.62702	9681.362
0.31632	0.29632	5.63328	9687.421
0.31642	0.29648	5.63924	9695.614
0.31653	0.29658	5.64238	9702.6
0.31663	0.29672	5.64427	9707.437
0.31673	0.29686	5.6468	9712.125
0.31685	0.29698	5.65149	9718.366
0.31696	0.29714	5.65508	9724.859
0.31703	0.29721	5.65652	9728.674
0.3171	0.29735	5.65797	9731.777
0.31713	0.29741	5.65934	9733.39
0.31718	0.29755	5.66163	9736.207
0.31723	0.29767	5.66314	9738.711
0.31727	0.29778	5.66504	9740.641
0.31731	0.2979	5.66715	9742.769
0.31734	0.298	5.6686	9744.557
0.31738	0.29813	5.66979	9745.986
0.31742	0.29822	5.67089	9746.898
0.31749	0.29836	5.67343	9747.942
0.31755	0.29847	5.67635	9749.075
0.31761	0.29861	5.67967	9750.521
0.31768	0.29874	5.68361	9752.816
0.31774	0.29882	5.68805	9755.96
0.31779	0.29893	5.68991	9758.551
0.31784	0.29896	5.69159	9760.664
0.31789	0.29901	5.69312	9762.235
0.31798	0.29904	5.69559	9763.919
0.31808	0.29911	5.70012	9767.658
0.3182	0.29918	5.70549	9773.688
0.3183	0.29918	5.70839	9779.003
0.31836	0.29921	5.71027	9781.789
0.31841	0.29921	5.71173	9783.887
0.31847	0.2993	5.71342	9786.442
0.31852	0.29937	5.71546	9788.715
0.31856	0.29945	5.71817	9790.993
0.3186	0.29955	5.72141	9793.698

12:26:20.701	-12	0.00004	0.00008	0.00275	2.776	0.000269
12:26:21.701	-12	0.00004	0.00012	0.0023	2.797	0.000271
12:26:22.701	-12	0.00004	0.00007	0.00227	3.302	0.000319
12:26:23.701	-12	0.00005	0.00016	0.00255	3.856	0.000373
12:26:24.701	-12	0.00003	0.00005	0.00181	2.597	0.000251
12:26:25.701	-12	0.00002	0.00004	0.00118	1.928	0.000186
12:26:26.701	-12	0.00002	0.00005	0.00069	1.876	0.000181
12:26:27.701	-12	0.00003	0.00005	0.00065	2.042	0.000198
12:26:28.701	-12	0.00005	0.00009	0.00183	2.017	0.000195
12:26:29.701	-12	0.00006	0.00005	0.00515	3.912	0.000379
12:26:30.701	-12	0.00007	0.00016	0.00958	7.784	0.000753
12:26:31.701	-12	0.0001	0.00005	0.0072	10.615	0.001025
12:26:32.701	-12	0.00011	0.00013	0.00591	11.546	0.001115
12:26:33.701	-12	0.00009	0.00009	0.00385	8.147	0.000787
12:26:34.701	-12	0.00007	0.00004	0.00283	5.482	0.00053
12:26:35.701	-12	0.00006	0.0001	0.00272	4.525	0.000437
12:26:36.701	-12	0.00004	0.00004	0.00216	3.377	0.000327
12:26:37.701	-12	0.00004	0.00008	0.00185	3.189	0.000308
12:26:38.701	-12	0.00004	0.00006	0.00207	3.242	0.000313
12:26:39.701	-12	0.00003	0.00009	0.00203	3.057	0.000296
12:26:40.701	-12	0.00003	0.00008	0.00179	2.677	0.000259
12:26:41.701	-12	0.00003	0.00006	0.00148	2.362	0.000228
12:26:42.701	-12	0.00002	0.00008	0.00074	1.694	0.000164
12:26:43.701	-12	0.00002	0.00006	0.00087	1.377	0.000133
12:26:44.701	-12	0.00001	0.00009	0.00084	1.06	0.000103
12:26:45.701	-12	0.00001	0.00005	0.00066	0.71	0.000069
12:26:46.701	-12	0.00001	0.00006	0.0006	0.449	0.000044
12:26:47.701	-12	0.00001	0.00004	0.00067	0.307	0.00003
12:26:48.701	-12	0.00001	0.00003	0.00072	0.232	0.000023
12:26:49.701	-12	0.00001	0.00004	0.00083	0.182	0.000018
12:26:50.701	-12	0.00001	0.00002	0.00085	0.158	0.000015
12:26:51.701	-12	0.00001	0.00004	0.00082	0.143	0.000014
12:26:52.701	-12	0.00001	0.00002	0.00076	0.128	0.000012
12:26:53.701	-12	0.00001	0.00003	0.00078	0.116	0.000011
12:26:54.701	-12	0.00001	0.00003	0.0008	0.105	0.00001
12:26:55.701	-12	0.00001	0.00002	0.00068	0.092	0.000009
12:26:56.701	-12	0.00001	0.00004	0.00065	0.082	0.000008
12:26:57.701	-12	0.00001	0.00001	0.00065	0.077	0.000008
12:26:58.701	-12	0.00001	0.00003	0.00068	0.079	0.000008
12:26:59.701	-12	0.00001	0.00002	0.00068	0.069	0.000007
12:27:00.701	-12	0.00001	0.00004	0.00104	0.086	0.000009
12:27:01.701	-12	0.00001	0.00004	0.00114	0.092	0.00001
12:27:02.701	-12	0.00001	0.00005	0.00098	0.102	0.00001
12:27:03.701	-12	0.00001	0.00008	0.00097	0.142	0.000014
12:27:04.701	-12	0.00001	0.00005	0.0011	0.215	0.000021
12:27:05.701	-12	0.00002	0.00008	0.00144	0.328	0.000032
12:27:06.701	-12	0.00002	0.00006	0.00275	0.739	0.000072

35.4	1.00E+00	-0.300	1.200	0.000	0.960	6.100
34.3	1.00E+00	-0.300	1.200	0.000	0.954	9.900
34.1	1.00E+00	-0.300	1.200	0.000	0.977	5.400
33.6	1.00E+00	-0.300	1.300	0.000	1.030	10.600
33.6	1.00E+00	-0.300	1.300	0.000	1.017	5.600
33.6	1.00E+00	-0.300	1.300	0.000	1.013	6.900
33.1	1.00E+00	-0.200	1.300	0.000	1.023	7.400
31.5	1.00E+00	-0.200	1.300	0.000	1.019	5.300
31.1	1.00E+00	-0.300	1.200	0.000	0.958	5.800
29.7	9.00E-01	-0.300	1.100	0.000	0.865	2.600
29.8	8.00E-01	-0.400	1.000	0.000	0.786	5.800
30.3	9.00E-01	-0.400	1.100	0.000	0.854	1.500
31	9.00E-01	-0.400	1.200	0.000	0.933	3.600
33.4	1.00E+00	-0.300	1.300	0.000	1.017	3.100
34.1	1.00E+00	-0.300	1.300	0.000	1.024	1.800
36.5	1.00E+00	-0.300	1.300	0.000	1.005	5.900
36.7	9.00E-01	-0.300	1.200	0.000	0.948	3.400
37.5	9.00E-01	-0.300	1.200	0.000	0.948	6.400
37.5	9.00E-01	-0.400	1.200	0.000	0.924	4.700
37.6	8.00E-01	-0.400	1.100	0.000	0.847	7.300
37.7	8.00E-01	-0.400	1.000	0.000	0.792	8.000
37.9	8.00E-01	-0.400	1.000	0.000	0.794	5.900
37.9	8.00E-01	-0.500	1.000	0.000	0.774	10.600
38	7.00E-01	-0.500	0.900	0.000	0.723	9.100
37.7	7.00E-01	-0.600	0.900	0.000	0.705	14.500
36.9	7.00E-01	-0.600	0.800	0.000	0.659	9.300
36.4	7.00E-01	-0.600	0.800	0.000	0.666	10.400
35	7.00E-01	-0.600	0.800	0.000	0.671	8.000
34.3	7.00E-01	-0.600	0.800	0.000	0.673	5.200
32.2	7.00E-01	-0.600	0.800	0.000	0.674	7.800
31.5	7.00E-01	-0.700	0.800	0.000	0.675	3.200
29.1	7.00E-01	-0.700	0.800	0.000	0.676	7.600
28.4	7.00E-01	-0.700	0.800	0.000	0.651	3.300
26	6.00E-01	-0.700	0.700	0.000	0.593	6.700
25.5	6.00E-01	-0.700	0.700	0.000	0.593	6.500
23.7	6.00E-01	-0.700	0.700	0.000	0.593	4.700
23.1	6.00E-01	-0.700	0.700	0.000	0.594	8.000
21.1	6.00E-01	-0.700	0.700	0.000	0.594	3.100
20.4	6.00E-01	-0.700	0.700	0.000	0.594	6.000
18.4	6.00E-01	-0.700	0.700	0.000	0.593	4.100
17.6	6.00E-01	-0.700	0.700	0.000	0.593	6.700
15	6.00E-01	-0.600	0.700	0.000	0.593	5.100
14	6.00E-01	-0.500	0.700	0.000	0.593	8.000
10.8	6.00E-01	-0.500	0.700	0.000	0.593	11.300
10.2	6.00E-01	-0.600	0.700	0.000	0.592	6.300
8.4	6.00E-01	-0.600	0.700	0.000	0.590	9.500
8.1	6.00E-01	-0.600	0.700	0.000	0.587	4.400

192.2	27.17631	1302	32.91	56.2	325.756338	324.903008
192.2	22.13183	1287	32.606	35.5	326.470888	324.627391
192.2	29.00688	1270	32.29	83.5	323.925126	323.751733
192.2	36.36009	1273	32.29	76.1	326.07215	335.978168
192.2	19.87	1250	32.219	15	329.228814	335.477668
192.2	10.96083	1221	31.008	0	326.967675	323.651176
192.2	10.70274	1173	29.786	2.2	323.798812	310.494059
192.2	20.45473	1145	29.006	24.1	323.428916	297.955982
192.2	31.41686	1379	27.95	51	321.777593	295.5
192.2	46.46731	1378	28.925	83.3	323.39	318.947667
192.2	59.42197	1429	29.675	81.5	327.533333	348.960932
192.2	67.73539	1514	31.627	80.7	335.389184	381.791237
192.2	73.4983	1596	33.553	75.9	345.584447	405.276823
192.2	60.94146	1655	34.889	72.5	348.254601	410.131014
	37.8019	1689	35.4	75.5	345.130061	407.766799
	37.42879	1678	36.02	72.9	341.883644	400.572
	23.97487	1426	36.02	64.2	339.389228	394.258522
	24.53558	1432	36.02	60	337.742449	383.480431
	26.05386	1432	36.64	61.1	333.477593	374.871019
194	26.20429	1441	36.64	49.3	330.35	368.749674
194	22.16607	1444	36.64	45.6	331.032684	357.724615
194	20.18884	1439	36.64	20.8	329.832164	345.933333
194	12.30244	1426	36.249	1.6	325.395216	330.28
194	12.97694	1410	36.02	0.7	316.511111	314.555274
193.6	12.76535	1387	34.86	0	312.136705	302.539088
193.2	12.36798	1342	34.14	0	308.929647	291.431922
192.8	11.9388	1299	32.91	0	310.5045	283.011538
192.4	11.61812	1247	31.334	0	310.553571	275.071336
192.2	10.91995	1190	30.435	0	300.869129	268.290222
192.2	9.97653	1136	28.922	0	292.114042	261.691186
192.2	9.595	1143	27.093	0	289.926096	256.376744
192.2	10.46856	1216	25.73	0	282.137662	251.216619
192.2	10.00575	1166	24.511	0	278.974479	247.166066
191.9	9.91936	1207	23.277	0	277.966598	243.565418
191.5	10.75029	1264	22.083	0	277.685253	239.539651
191.1	10.36915	1191	20.62	0	284.1375	235.897977
190.7	9.78926	1132	19.896	0.2	286.798336	232.790403
190.4	9.35743	1073	18.485	3.4	290.552404	229.713671
190.4	10.27553	1237	16.724	0	289.004545	227.282813
190.4	9.81923	1120	14.866	1.9	286.112712	224.611406
190.4	12.39397	935	12.944	15.9	285.4305	221.83591
190.4	13.89819	977	11.123	4	290.696181	218.574916
190.4	13.58455	854	9.15	14.8	291.613107	215.800294
190.4	14.32667	805	7.901	23.3	295.955114	214.167682
190.4	15.00869	807	7.45	27.8	293.069023	214.481707
190.4	16.63342	833	6.83	34.1	268.935	215.925733
190.4	19.11145	1199	6.83	57.8	262.57344	221.261021

0.31864	0.29963	5.72416	9796.474
0.31868	0.29975	5.72646	9799.271
0.31872	0.29982	5.72873	9802.573
0.31877	0.29998	5.73128	9806.429
0.3188	0.30003	5.73309	9809.026
0.31882	0.30007	5.73427	9810.954
0.31884	0.30012	5.73496	9812.83
0.31887	0.30017	5.73561	9814.872
0.31892	0.30026	5.73744	9816.889
0.31898	0.30031	5.74259	9820.801
0.31905	0.30047	5.75217	9828.585
0.31915	0.30052	5.75937	9839.2
0.31926	0.30065	5.76528	9850.746
0.31935	0.30074	5.76913	9858.893
0.31942	0.30078	5.77196	9864.375
0.31948	0.30088	5.77468	9868.9
0.31952	0.30092	5.77684	9872.277
0.31956	0.301	5.77869	9875.466
0.3196	0.30106	5.78076	9878.708
0.31963	0.30115	5.78279	9881.765
0.31966	0.30123	5.78458	9884.442
0.31969	0.30129	5.78606	9886.804
0.31971	0.30137	5.7868	9888.498
0.31973	0.30143	5.78767	9889.875
0.31974	0.30152	5.78851	9890.935
0.31975	0.30157	5.78917	9891.645
0.31976	0.30163	5.78977	9892.094
0.31977	0.30167	5.79044	9892.401
0.31978	0.3017	5.79116	9892.633
0.31979	0.30174	5.79199	9892.815
0.3198	0.30176	5.79284	9892.973
0.31981	0.3018	5.79366	9893.116
0.31982	0.30182	5.79442	9893.244
0.31983	0.30185	5.7952	9893.36
0.31984	0.30188	5.796	9893.465
0.31985	0.3019	5.79668	9893.557
0.31986	0.30194	5.79733	9893.639
0.31987	0.30195	5.79798	9893.716
0.31988	0.30198	5.79866	9893.795
0.31989	0.302	5.79934	9893.864
0.3199	0.30204	5.80038	9893.95
0.31991	0.30208	5.80152	9894.042
0.31992	0.30213	5.8025	9894.144
0.31993	0.30221	5.80347	9894.286
0.31994	0.30226	5.80457	9894.501
0.31996	0.30234	5.80601	9894.829
0.31998	0.3024	5.80876	9895.568

12:27:07.701	-12	0.00003	0.00011	0.00362	1.574	0.000153
12:27:08.701	-12	0.00004	0.00014	0.00512	3.213	0.000312
12:27:09.701	-12	0.00005	0.00012	0.00608	4.94	0.000479
12:27:10.701	-12	0.00005	0.00015	0.00584	6.029	0.000583
12:27:11.701	-12	0.00004	0.00005	0.00412	5.187	0.000502
12:27:12.701	-12	0.00003	0.00014	0.00322	4.386	0.000424
12:27:13.701	-12	0.00003	0.00004	0.00344	4.078	0.000395
12:27:14.701	-12	0.00004	0.00008	0.00408	6.17	0.000596
12:27:15.701	-12	0.00005	0.00009	0.00528	8.065	0.000779
12:27:16.701	-12	0.00005	0.00004	0.0035	5.502	0.000532
12:27:17.701	-12	0.00003	0.00007	0.00158	2.847	0.000275
12:27:18.701	-12	0.00003	0.00004	0.00144	2.625	0.000254
12:27:19.701	-12	0.00003	0.00013	0.00169	2.312	0.000224
12:27:20.701	-12	0.00002	0.00011	0.00131	1.819	0.000176
12:27:21.701	-12	0.00003	0.00015	0.00176	1.826	0.000177
12:27:22.701	-12	0.00002	0.00011	0.00204	1.645	0.000159
12:27:23.701	-12	0.00002	0.0001	0.00186	1.164	0.000113
12:27:24.701	-12	0.00001	0.00006	0.00126	0.693	0.000067
12:27:25.701	-12	0.00001	0.00004	0.00111	0.582	0.000056
12:27:26.701	-12	0.00001	0.00007	0.00154	0.866	0.000084
12:27:27.701	-12	0.00001	0.00006	0.00102	0.637	0.000062
12:27:28.701	-12	0.00001	0.00008	0.00098	0.444	0.000043
12:27:29.701	-12	0.00001	0.00009	0.00142	0.5	0.000049
12:27:30.701	-12	0.00001	0.00007	0.00136	0.483	0.000047
12:27:31.701	-12	0.00001	0.00006	0.00122	0.418	0.000041
12:27:32.701	-12	0.00001	0.00003	0.00116	0.38	0.000037
12:27:33.701	-12	0.00001	0.00007	0.00127	0.399	0.000039
12:27:34.701	-12	0.00001	0.00004	0.00133	0.365	0.000036
12:27:35.701	-12	0.00001	0.00007	0.0014	0.327	0.000032
12:27:36.701	-12	0.00001	0.00005	0.00145	0.347	0.000034
12:27:37.701	-12	0.00001	0.00005	0.00142	0.402	0.000039
12:27:38.701	-12	0.00001	0.00005	0.0017	0.503	0.000049
12:27:39.701	-12	0.00001	0.00005	0.00193	0.642	0.000062
12:27:40.701	-12	0.00001	0.00007	0.00195	0.737	0.000072
12:27:41.701	-12	0.00001	0.00005	0.00181	0.793	0.000077
12:27:42.701	-12	0.00001	0.00006	0.00169	0.894	0.000087
12:27:43.701	-12	0.00001	0.00005	0.00169	0.986	0.000096
12:27:44.701	-12	0.00001	0.00006	0.00159	1.05	0.000102
12:27:45.701	-12	0.00001	0.00006	0.00155	1.082	0.000105
12:27:46.701	-12	0.00001	0.00004	0.00161	1.095	0.000106
12:27:47.701	-12	0.00001	0.00008	0.00168	1.093	0.000106
12:27:48.701	-12	0.00001	0.00005	0.00169	1.096	0.000106
12:27:49.701	-12	0.00001	0.00006	0.00168	1.094	0.000106
12:27:50.701	-12	0.00001	0.00005	0.00168	1.098	0.000107
12:27:51.701	-12	0.00001	0.00005	0.00177	1.108	0.000107
12:27:52.701	-12	0.00001	0.00006	0.00182	1.11	0.000108
12:27:53.701	-12	0.00001	0.00005	0.00178	1.116	0.000108

7	6.00E-01	-0.600	0.700	0.000	0.581	6.700
7.3	6.00E-01	-0.600	0.700	0.000	0.573	6.400
8.1	6.00E-01	-0.600	0.700	0.000	0.564	4.800
8.9	6.00E-01	-0.600	0.700	0.000	0.557	5.900
11.6	6.00E-01	-0.600	0.700	0.000	0.555	2.300
12.6	6.00E-01	-0.600	0.700	0.000	0.557	7.600
15.8	6.00E-01	-0.500	0.700	0.000	0.556	2.300
16.3	6.00E-01	-0.500	0.700	0.000	0.552	3.700
18	6.00E-01	-0.500	0.700	0.000	0.572	3.400
18.8	7.00E-01	-0.400	0.900	0.000	0.706	2.000
21.5	7.00E-01	-0.300	0.900	0.000	0.711	6.100
21.8	7.00E-01	-0.200	0.900	0.000	0.715	3.900
22.6	7.00E-01	-0.200	0.900	0.000	0.722	11.600
22.4	6.00E-01	-0.200	0.800	0.000	0.649	10.100
21.9	7.00E-01	-0.300	0.800	0.000	0.652	12.500
21.6	6.00E-01	-0.300	0.700	0.000	0.573	9.400
20.8	6.00E-01	-0.300	0.700	0.000	0.551	9.900
20.6	5.00E-01	-0.400	0.600	0.000	0.496	9.500
19.9	5.00E-01	-0.400	0.600	0.000	0.469	6.800
19.5	5.00E-01	-0.400	0.600	0.000	0.470	8.000
18.1	4.00E-01	-0.400	0.500	0.000	0.416	7.100
17.8	4.00E-01	-0.400	0.500	0.000	0.419	10.500
16.7	4.00E-01	-0.400	0.500	0.000	0.419	11.700
16.3	4.00E-01	-0.400	0.500	0.000	0.419	9.900
15.1	4.00E-01	-0.400	0.500	0.000	0.419	9.100
14.4	4.00E-01	-0.400	0.500	0.000	0.419	5.400
12.3	4.00E-01	-0.400	0.500	0.000	0.419	9.700
11.7	4.00E-01	-0.400	0.500	0.000	0.420	5.300
10	4.00E-01	-0.400	0.500	0.000	0.421	9.400
9.2	4.00E-01	-0.500	0.500	0.000	0.420	7.200
6.7	4.00E-01	-0.500	0.500	0.000	0.419	7.000
6.1	4.00E-01	-0.500	0.500	0.000	0.417	7.200
4.4	4.00E-01	-0.600	0.500	0.000	0.415	6.300
3.9	4.00E-01	-0.600	0.500	0.000	0.414	9.300
2.5	4.00E-01	-0.600	0.500	0.000	0.413	6.400
2.1	4.00E-01	-0.600	0.500	0.000	0.411	8.800
0.8	4.00E-01	-0.500	0.500	0.000	0.410	7.400
0.8	4.00E-01	-0.500	0.500	0.000	0.409	7.600
0.7	4.00E-01	-0.500	0.500	0.000	0.408	8.900
0.5	4.00E-01	-0.500	0.500	0.000	0.408	6.000
0	4.00E-01	-0.500	0.500	0.000	0.408	10.600
0	4.00E-01	-0.500	0.500	0.000	0.408	6.200
0	4.00E-01	-0.500	0.500	0.000	0.408	7.900
0	4.00E-01	-0.500	0.500	0.000	0.408	7.200
0	4.00E-01	-0.500	0.500	0.000	0.408	6.900
0.2	4.00E-01	-0.500	0.500	0.000	0.407	8.200
0.9	4.00E-01	-0.500	0.500	0.000	0.407	7.300

190.4	13.74573	1470	6.83	43.6	265.644388	229.716766
190.4	50.57982	1846	8.069	66.4	270.770981	245.950485
190.4	52.06296	1712	10.523	79.6	286.91747	275.386364
190.4	52.56242	1837	12.998	77.7	299.448196	300.392857
190.4	42.60591	1691	14.667	60.9	307.805114	312.518743
190.4	38.73895	1645	15.53	83.2	307.055744	317.486319
190.4	31.22873	1532	16.719	75	309.5875	323.439225
190.4	45.30421	1790	17.98	98.7	310.866112	336.19517
190.4	64.72096	1960	19.971	82.3	312.539306	360.945949
190.5	43.20143	1787	21.339	67.7	311.283654	367.775862
190.9	28.01869	1658	21.73	48.7	306.844604	357.955567
191.2	22.18957	1604	21.11	32.8	305.961692	338.096432
191.6	23.78846	1579	21.11	40.9	304.379123	320.860656
192	24.38363	1574	20.792	27.2	304.250962	306.68431
192.2	31.7175	1434	20.183	5.9	303.289017	292.411799
192.2	24.85527	1468	19.87	18.3	302.616154	280.246092
192.2	19.80468	1314	19.25	22.8	302.144509	271.447495
192.2	10.428	1043	18.63	2.9	302.33125	260.123045
192.2	8.80653	974	17.548	8.5	298.507813	252.600441
	8.8415	1039	16.95	14.3	297.602479	247.351953
	18.41849	1082	16.15	15.7	298.256314	242.2468
	8.28069	890	15.53	10	297.895918	237.313386
	16.83725	845	14.9	13.7	296.991213	232.05935
	15.34751	837	13.843	14.1	295.991268	228.144177
190.4	15.1763	985	12.169	8.9	295.759896	223.688
190.4	12.58525	956	10.745	8	294.952929	219.2816
190.4	16.02413	892	9.94	11.6	294.611667	215.9112
190.4	13.94772	842	8.822	17.5	288.735969	213.2625
190.4	14.36004	791	6.925	26.7	284.089684	212.078932
190.4	15.37621	822	5.643	32.8	284.667769	213.977655
190.4	15.13611	798	4.412	32.9	284.850104	216.438187
190.4	14.77	783	3.73	33.3	287.879268	217.595371
190.4	14.94186	775	2.535	37.9	285.466701	220.357282
190.4	15.4367	789	1.97	41.2	285.339091	224.716404
190.4	15.08376	780	0.647	40.8	284.603132	227.475824
190.4	14.98426	777	0.028	41.2	284.619624	230.56493
190.4	15.05859	779	0	41.1	284.865	231.823865
190.4	15.04584	779	0.481	40.8	276.109592	233.877766
190.4	15.11577	779	0	40.8	271.828916	235.061923
190.4	15.06237	778	0	40.8	271.986486	235.653754
190.4	15.07142	777	0	41.4	272.173125	236.1
190.4	14.98469	783	0	41.6	271.858958	236.1
190.4	14.94561	779	0	40.9	266.751607	236.412157
190.4	15.08	775	0	40.8	271.213868	236.9
190.4	14.99058	777	0.451	41.2	270.785934	236.9
190.4	15.30655	778	0.62	40.8	270.360385	236.9
190.4	15.14909	782	0.62	41.9	271.964615	237.211591

0.32001	0.30251	5.81238	9897.142
0.32005	0.30265	5.8175	9900.355
0.3201	0.30277	5.82358	9905.295
0.32015	0.30292	5.82942	9911.324
0.32019	0.30297	5.83354	9916.511
0.32022	0.30311	5.83676	9920.897
0.32025	0.30315	5.8402	9924.975
0.32029	0.30323	5.84428	9931.145
0.32034	0.30332	5.84956	9939.21
0.32039	0.30336	5.85306	9944.712
0.32042	0.30343	5.85464	9947.559
0.32045	0.30347	5.85608	9950.184
0.32048	0.3036	5.85777	9952.496
0.3205	0.30371	5.85908	9954.315
0.32053	0.30386	5.86084	9956.141
0.32055	0.30397	5.86288	9957.786
0.32057	0.30407	5.86474	9958.95
0.32058	0.30413	5.866	9959.643
0.32059	0.30417	5.86711	9960.225
0.3206	0.30424	5.86865	9961.091
0.32061	0.3043	5.86967	9961.728
0.32062	0.30438	5.87065	9962.172
0.32063	0.30447	5.87207	9962.672
0.32064	0.30454	5.87343	9963.155
0.32065	0.3046	5.87465	9963.573
0.32066	0.30463	5.87581	9963.953
0.32067	0.3047	5.87708	9964.352
0.32068	0.30474	5.87841	9964.717
0.32069	0.30481	5.87981	9965.044
0.3207	0.30486	5.88126	9965.391
0.32071	0.30491	5.88268	9965.793
0.32072	0.30496	5.88438	9966.296
0.32073	0.30501	5.88631	9966.938
0.32074	0.30508	5.88826	9967.675
0.32075	0.30513	5.89007	9968.468
0.32076	0.30519	5.89176	9969.362
0.32077	0.30524	5.89345	9970.348
0.32078	0.3053	5.89504	9971.398
0.32079	0.30536	5.89659	9972.48
0.3208	0.3054	5.8982	9973.575
0.32081	0.30548	5.89988	9974.668
0.32082	0.30553	5.90157	9975.764
0.32083	0.30559	5.90325	9976.858
0.32084	0.30564	5.90493	9977.956
0.32085	0.30569	5.9067	9979.064
0.32086	0.30575	5.90852	9980.174
0.32087	0.3058	5.9103	9981.29

12:27:54.701	-12	0.00001	0.00007	0.00168	1.121	0.000109
12:27:55.701	-12	0.00001	0.00004	0.00174	1.16	0.000112
12:27:56.701	-12	0.00001	0.00008	0.00195	1.309	0.000127
12:27:57.701	-12	0.00001	0.00006	0.002	1.346	0.00013
12:27:58.701	-12	0.00001	0.00006	0.00197	1.284	0.000125
12:27:59.701	-12	0.00001	0.00007	0.00212	1.324	0.000128
12:28:00.701	-12	0.00002	0.00006	0.00306	1.788	0.000173
12:28:01.701	-12	0.00002	0.00015	0.0041	2.635	0.000255
12:28:02.701	-12	0.00003	0.00008	0.00555	3.772	0.000365
12:28:03.701	-12	0.00004	0.00017	0.00467	4.345	0.000421
12:28:04.701	-12	0.00005	0.00015	0.00502	5.891	0.00057
12:28:05.701	-12	0.00005	0.00012	0.00368	5.335	0.000516
12:28:06.701	-12	0.00005	0.00013	0.00248	4.77	0.000461
12:28:07.701	-12	0.00004	0.00008	0.00232	3.797	0.000367
12:28:08.701	-12	0.00003	0.00011	0.00187	2.757	0.000267
12:28:09.701	-12	0.00005	0.00009	0.00272	4.404	0.000426
12:28:10.701	-12	0.00007	0.00023	0.00336	6.643	0.000642
12:28:11.701	-12	0.00008	0.00019	0.00346	8.182	0.00079
12:28:12.701	-12	0.00009	0.00021	0.00362	9.7	0.000937
12:28:13.701	-12	0.00007	0.00016	0.00266	6.722	0.000649
12:28:14.701	-12	0.00005	0.00012	0.00283	4.78	0.000462
12:28:15.701	-12	0.00005	0.00018	0.00344	4.673	0.000452
12:28:16.701	-12	0.00004	0.00008	0.00273	4.539	0.000439
12:28:17.701	-12	0.00004	0.00011	0.00176	3.652	0.000353
12:28:18.701	-12	0.00004	0.00009	0.00186	2.943	0.000285
12:28:19.701	-12	0.00003	0.00014	0.00101	2.298	0.000222
12:28:20.701	-12	0.00003	0.00014	0.00189	2.165	0.00021
12:28:21.701	-12	0.00003	0.00012	0.00198	2.207	0.000214
12:28:22.701	-12	0.00003	0.0002	0.00177	2.334	0.000226
12:28:23.701	-12	0.00002	0.00017	0.00184	2.419	0.000234
12:28:24.701	-12	0.00003	0.00021	0.00218	2.681	0.00026
12:28:25.701	-12	0.00002	0.00015	0.00197	2.765	0.000268
12:28:26.701	-12	0.00002	0.00016	0.0018	2.628	0.000254
12:28:27.701	-12	0.00002	0.00016	0.00191	2.637	0.000255
12:28:28.701	-12	0.00003	0.00015	0.00218	2.804	0.000271
12:28:29.701	-12	0.00002	0.00021	0.00249	3.288	0.000318
12:28:30.701	-12	0.00002	0.00016	0.0029	3.804	0.000368
12:28:31.701	-12	0.00003	0.00024	0.003	4.594	0.000444
12:28:32.701	-12	0.00004	0.00017	0.00396	5.673	0.000548
12:28:33.701	-12	0.00004	0.00018	0.00323	5.572	0.000538
12:28:34.701	-12	0.00004	0.00015	0.00275	5.039	0.000487
12:28:35.701	-12	0.00003	0.00011	0.00281	4.484	0.000433
12:28:36.701	-12	0.00003	0.00017	0.0027	4.281	0.000414
12:28:37.701	-12	0.00003	0.00011	0.00261	4.141	0.0004
12:28:38.701	-12	0.00003	0.00018	0.00257	4.11	0.000397
12:28:39.701	-12	0.00003	0.00012	0.00255	4.122	0.000398
12:28:40.701	-12	0.00003	0.00017	0.0024	4.051	0.000392

0.9	4.00E-01	-0.600	0.500	0.000	0.407	9.500
1	4.00E-01	-0.600	0.500	0.000	0.407	5.300
1.1	4.00E-01	-0.600	0.500	0.000	0.407	9.700
1.5	5.00E-01	-0.600	0.600	0.000	0.464	7.300
1.9	5.00E-01	-0.600	0.600	0.000	0.489	7.000
3.1	5.00E-01	-0.600	0.600	0.000	0.489	7.900
3.2	5.00E-01	-0.600	0.600	0.000	0.490	5.100
3.6	5.00E-01	-0.600	0.600	0.000	0.486	9.600
4.5	5.00E-01	-0.500	0.600	0.000	0.481	4.300
7.2	6.00E-01	-0.300	0.700	0.000	0.581	9.500
8	7.00E-01	-0.300	0.800	0.000	0.659	6.200
10.5	8.00E-01	-0.300	1.000	0.000	0.787	6.300
11.5	8.00E-01	-0.100	1.000	0.000	0.815	7.000
14.5	9.00E-01	0.000	1.100	0.000	0.873	5.100
15	9.00E-01	0.000	1.100	0.000	0.873	9.900
16.8	9.00E-01	0.000	1.100	0.000	0.869	5.200
17.1	9.00E-01	0.000	1.100	0.000	0.863	9.900
18.2	9.00E-01	0.000	1.100	0.000	0.859	6.900
19	9.00E-01	0.000	1.100	0.000	0.858	6.600
21.7	9.00E-01	0.000	1.100	0.000	0.863	6.800
22.6	9.00E-01	0.000	1.100	0.000	0.868	6.700
25.3	9.00E-01	0.000	1.100	0.000	0.869	9.900
25.8	9.00E-01	0.000	1.100	0.000	0.862	5.100
27.5	9.00E-01	0.000	1.100	0.000	0.863	8.600
27.7	9.00E-01	0.000	1.100	0.000	0.853	7.100
28.3	8.00E-01	0.000	1.000	0.000	0.783	11.300
28.4	7.00E-01	0.000	0.900	0.000	0.730	11.100
28.7	6.00E-01	-0.100	0.800	0.000	0.647	10.100
28.8	6.00E-01	-0.100	0.800	0.000	0.645	16.500
29	6.00E-01	-0.300	0.700	0.000	0.566	13.100
29	6.00E-01	-0.300	0.700	0.000	0.565	15.100
28.9	6.00E-01	-0.300	0.700	0.000	0.561	11.300
28.8	6.00E-01	-0.400	0.700	0.000	0.559	13.800
28.5	6.00E-01	-0.400	0.700	0.000	0.561	12.700
28.3	6.00E-01	-0.400	0.700	0.000	0.562	10.900
27.7	5.00E-01	-0.400	0.600	0.000	0.478	15.000
27.6	5.00E-01	-0.400	0.600	0.000	0.476	10.100
27.2	6.00E-01	-0.400	0.700	0.000	0.553	13.600
27.1	5.00E-01	-0.400	0.700	0.000	0.549	8.700
26.9	6.00E-01	-0.400	0.700	0.000	0.572	9.700
27.2	6.00E-01	-0.400	0.800	0.000	0.627	8.800
28	6.00E-01	-0.300	0.800	0.000	0.630	6.900
28.1	6.00E-01	-0.300	0.800	0.000	0.630	10.900
28.5	6.00E-01	-0.300	0.800	0.000	0.630	7.300
28.7	6.00E-01	-0.300	0.800	0.000	0.630	11.700
29.2	6.00E-01	-0.300	0.700	0.000	0.551	8.300
29.6	6.00E-01	-0.300	0.700	0.000	0.551	11.500

190.4	15.0245	777	0.62	41.6	285.899043	237.066708
190.4	15.12369	780	0.62	40.2	292.539038	237.418667
190.4	16.74744	778	1.24	36.3	286.992813	236.928013
190.4	19.48	837	2.323	34.1	287.1	238.7183
190.4	16.33992	769	2.48	34.3	277.354474	237.3635
190.4	16.38818	817	3.11	33.7	268.927699	236.3174
190.4	18.37093	1094	3.324	62.5	269.455625	239.472927
190.4	35.97756	1514	6.018	64.6	273.232432	250.755445
190.4	35.70276	1722	7.671	63	279.14501	265.377254
190.4	36.13	1587	9.136	67.6	284.008417	277.256569
190.4	50.4266	1689	10.977	84.3	286.160125	288.538304
190.4	38.5921	1761	13.208	67.3	296.058893	309.491965
190.4	38.12431	1698	14.423	66.6	295.837247	311.651466
190.4	34.34724	1566	15.53	76.4	299.758212	314.525378
190.4	20.63346	1326	16.15	36.7	300.485701	312.7946
190.4	33.40577	1602	16.553	92.8	295.206923	313.752871
190.8	53.33	1823	18.162	83.4	302.937288	331.234851
191.1	50.22154	1830	20.143	75.9	307.146257	345.658043
191.5	68.96632	2083	21.782	90.5	301.494583	358.859767
191.9	53.0105	1943	23.626	69.1	303.163846	365.667832
	36.44154	1523	24.865	71.5	301.915	361.076677
	39.68038	1471	26.106	89.1	299.291171	363.7148
	30.73019	1534	27.32	66.7	301.127168	364.5898
	23.8268	1540	27.32	17.6	298.466071	350.162195
	27.63758	1554	27.32	32.7	293.075092	331.737463
192.2	26.43631	1567	27.32	47	289.468868	318.895549
192.2	25.51149	1571	27.32	46.2	286.967736	309.230392
192.2	27.19906	1587	27.95	50.5	283.829623	302.806667
192.2	24.80513	1581	27.95	42	280.755499	295.262997
192.2	27.10361	1575	27.95	55.4	275.440926	290.01099
192.2	30.13634	1580	27.95	59.4	274.199808	294.398318
192.2	27.60776	1575	27.793	50.6	275.753137	296.1
192.2	23.48877	1547	27.32	50.4	273.764318	291.342266
192.2	26.74273	1523	26.7	67.1	271.9904	291.059653
192.2	27.95691	1507	26.7	59.7	272.06225	295.076369
192.2	29.06842	1484	26.08	60.1	270.399424	298.987773
192.2	32.55969	1466	26.08	70.7	271.614167	304.262947
192.2	37.28888	1467	25.877	81.5	271.762577	315.360333
192.2	42.29074	1493	26.08	81.9	274.118257	332.215789
192.2	41.06834	1519	26.7	75.9	273.178182	345.408812
192.2	34.44	1536	27.115	72	272.245053	346.2
192.2	35.29512	1546	27.32	74.4	271.482922	345.563069
192.2	32.70898	1568	27.806	74.1	280.323573	346.194651
192.2	31.75406	1588	27.95	71.9	288.042029	346.295295
192.2	31.20802	1621	28.57	69.3	288.794606	347.084
192.2	31.84413	1651	29.19	63.3	289.05	347.265982
192.2	31.77737	1683	29.81	55.1	286.632187	343.307903

0.32088	0.30587	5.91198	9982.411
0.32089	0.30591	5.91372	9983.571
0.3209	0.30599	5.91567	9984.88
0.32091	0.30605	5.91767	9986.226
0.32092	0.30611	5.91964	9987.51
0.32093	0.30618	5.92176	9988.834
0.32095	0.30624	5.92482	9990.622
0.32097	0.30639	5.92892	9993.257
0.321	0.30647	5.93447	9997.029
0.32104	0.30664	5.93914	10001.374
0.32109	0.30679	5.94416	10007.265
0.32114	0.30691	5.94784	10012.6
0.32119	0.30704	5.95032	10017.37
0.32123	0.30712	5.95264	10021.167
0.32126	0.30723	5.95451	10023.924
0.32131	0.30732	5.95723	10028.328
0.32138	0.30755	5.96059	10034.971
0.32146	0.30774	5.96405	10043.153
0.32155	0.30795	5.96767	10052.853
0.32162	0.30811	5.97033	10059.575
0.32167	0.30823	5.97316	10064.355
0.32172	0.30841	5.9766	10069.028
0.32176	0.30849	5.97933	10073.567
0.3218	0.3086	5.98109	10077.219
0.32184	0.30869	5.98295	10080.162
0.32187	0.30883	5.98396	10082.46
0.3219	0.30897	5.98585	10084.625
0.32193	0.30909	5.98783	10086.832
0.32196	0.30929	5.9896	10089.166
0.32198	0.30946	5.99144	10091.585
0.32201	0.30967	5.99362	10094.266
0.32203	0.30982	5.99559	10097.031
0.32205	0.30998	5.99739	10099.659
0.32207	0.31014	5.9993	10102.296
0.3221	0.31029	6.00148	10105.1
0.32212	0.3105	6.00397	10108.388
0.32214	0.31066	6.00687	10112.192
0.32217	0.3109	6.00987	10116.786
0.32221	0.31107	6.01383	10122.459
0.32225	0.31125	6.01706	10128.031
0.32229	0.3114	6.01981	10133.07
0.32232	0.31151	6.02262	10137.554
0.32235	0.31168	6.02532	10141.835
0.32238	0.31179	6.02793	10145.976
0.32241	0.31197	6.0305	10150.086
0.32244	0.31209	6.03305	10154.208
0.32247	0.31226	6.03545	10158.259

12:28:41.701	-12	0.00003	0.00016	0.00219	3.59	0.000347
12:28:42.701	-12	0.00002	0.00014	0.00221	2.993	0.00029
12:28:43.701	-12	0.00002	0.00016	0.00252	2.631	0.000255
12:28:44.701	-12	0.00002	0.00007	0.00212	2.46	0.000238
12:28:45.701	-12	0.00002	0.00008	0.00158	2.244	0.000217
12:28:46.701	-12	0.00002	0.00007	0.00151	1.935	0.000187
12:28:47.701	-12	0.00001	0.00008	0.00176	1.687	0.000163
12:28:48.701	-12	0.00001	0.00006	0.0017	1.486	0.000144
12:28:49.701	-12	0.00001	0.00005	0.00168	1.27	0.000123
12:28:50.701	-12	0.00001	0.00006	0.00107	1.051	0.000102
12:28:51.701	-12	0.00001	0.00005	0.00124	0.862	0.000084
12:28:52.701	-12	0.00001	0.0001	0.00164	0.741	0.000072
12:28:53.701	-12	0.00001	0.00009	0.00219	0.857	0.000083
12:28:54.701	-12	0.00002	0.00012	0.00252	0.922	0.00009
12:28:55.701	-12	0.00002	0.00012	0.00263	1.121	0.000109
12:28:56.701	-12	0.00002	0.00011	0.00299	1.532	0.000149
12:28:57.701	-12	0.00001	0.00014	0.00288	1.796	0.000174
12:28:58.701	-12	0.00001	0.00007	0.00196	1.601	0.000155
12:28:59.701	-12	0.00001	0.00009	0.00125	1.346	0.00013
12:29:00.701	-12	0.00001	0.00006	0.00099	1.018	0.000099
12:29:01.701	-12	0.00001	0.00008	0.00077	0.929	0.00009
12:29:02.701	-12	0.00002	0.00008	0.00082	0.776	0.000075
12:29:03.701	-12	0.00001	0.00003	0.00079	0.34	0.000033
12:29:04.701	-12	0.00001	0.00002	0.00084	0.249	0.000024
12:29:05.701	-12	0.00001	0.00001	0.00091	0.293	0.000028
12:29:06.701	-12	0.00001	0.00005	0.0015	0.451	0.000044
12:29:07.701	-12	0.00002	0.00004	0.00219	0.569	0.000055
12:29:08.701	-12	0.00002	0.00004	0.00379	1.273	0.000124
12:29:09.701	-12	0.00002	0.00004	0.0044	2.398	0.000233
12:29:10.701	-12	0.00003	0.00003	0.00364	3.37	0.000326
12:29:11.701	-12	0.00004	0.00007	0.00241	3.572	0.000345
12:29:12.701	-12	0.00004	0	0.00229	3.466	0.000335
12:29:13.701	-12	0.00003	0.00006	0.00199	3.004	0.00029
12:29:14.701	-12	0.00002	0.00001	0.00134	2.083	0.000201
12:29:15.701	-12	0.00002	0.00003	0.0012	1.409	0.000136
12:29:16.701	-12	0.00002	0.00003	0.00111	1.141	0.00011
12:29:17.701	-12	0.00001	0.00003	0.00086	0.956	0.000093
12:29:18.701	-12	0.00001	0.00004	0.00081	0.714	0.000069
12:29:19.701	-12	0.00001	0.00001	0.00055	0.508	0.000049
12:29:20.701	-12	0.00001	0.00004	0.0006	0.354	0.000034
12:29:21.701	-12	0.00001	0.00001	0.00069	0.258	0.000025
12:29:22.701	-12	0.00001	0.00002	0.00078	0.192	0.000019
12:29:23.701	-12	0.00002	0.00003	0.00158	0.273	0.000027
12:29:24.701	-12	0.00002	0.00002	0.0021	0.271	0.000027
12:29:25.701	-12	0.00002	0.00004	0.00164	0.307	0.00003
12:29:26.701	-12	0.00001	0.00002	0.00157	0.372	0.000036
12:29:27.701	-12	0.00001	0.00003	0.00133	0.438	0.000043

30.7	6.00E-01	-0.300	0.700	0.000	0.554	11.600
31	6.00E-01	-0.400	0.700	0.000	0.556	11.000
31.8	5.00E-01	-0.400	0.700	0.000	0.532	13.900
32.1	5.00E-01	-0.400	0.600	0.000	0.503	6.400
32.9	5.00E-01	-0.400	0.700	0.000	0.534	8.400
33.1	5.00E-01	-0.400	0.600	0.000	0.482	7.400
33.9	5.00E-01	-0.500	0.600	0.000	0.485	9.300
34.1	5.00E-01	-0.700	0.600	0.000	0.487	7.200
34.8	5.00E-01	-0.900	0.600	0.000	0.490	5.300
34.8	5.00E-01	-0.900	0.600	0.000	0.468	6.900
35	4.00E-01	-0.900	0.500	0.000	0.414	6.100
35	4.00E-01	-0.900	0.500	0.000	0.416	11.600
35	4.00E-01	-0.900	0.500	0.000	0.416	8.800
35	4.00E-01	-0.800	0.500	0.000	0.416	10.800
34.9	4.00E-01	-0.800	0.500	0.000	0.414	11.100
35.1	4.00E-01	-0.800	0.500	0.000	0.410	10.100
35.6	4.00E-01	-0.800	0.500	0.000	0.406	13.200
35.7	4.00E-01	-0.700	0.500	0.000	0.427	8.300
36	5.00E-01	-0.500	0.600	0.000	0.482	13.600
35.8	5.00E-01	-0.300	0.600	0.000	0.486	9.700
35.2	5.00E-01	-0.300	0.600	0.000	0.493	10.500
34.9	5.00E-01	-0.300	0.600	0.000	0.500	8.200
33.8	5.00E-01	-0.300	0.600	0.000	0.475	4.100
33.7	4.00E-01	-0.300	0.500	0.000	0.421	3.800
33.3	4.00E-01	-0.300	0.500	0.000	0.420	1.400
32.8	4.00E-01	-0.200	0.500	0.000	0.421	4.400
31.4	4.00E-01	-0.100	0.500	0.000	0.420	3.200
31.5	4.00E-01	-0.200	0.500	0.000	0.414	3.400
31.8	5.00E-01	-0.200	0.600	0.000	0.455	2.800
32	7.00E-01	-0.200	0.800	0.000	0.661	2.000
32.6	8.00E-01	-0.200	1.000	0.000	0.792	5.000
32.8	8.00E-01	-0.200	1.000	0.000	0.791	0.400
33.4	8.00E-01	-0.200	1.000	0.000	0.791	5.400
33.6	8.00E-01	-0.200	1.000	0.000	0.794	1.300
34.2	8.00E-01	-0.200	1.000	0.000	0.800	4.100
34.1	8.00E-01	-0.200	1.000	0.000	0.806	5.800
33.9	8.00E-01	-0.200	1.000	0.000	0.811	5.000
34	8.00E-01	-0.200	1.000	0.000	0.820	7.100
34.5	8.00E-01	-0.200	1.000	0.000	0.829	2.300
34.6	8.00E-01	-0.100	1.000	0.000	0.836	6.800
34.8	8.00E-01	-0.100	1.000	0.000	0.840	1.500
34.8	8.00E-01	-0.100	1.000	0.000	0.817	4.400
34.8	8.00E-01	-0.100	0.900	0.000	0.760	2.800
34.6	7.00E-01	-0.200	0.800	0.000	0.677	2.000
34.1	7.00E-01	-0.200	0.800	0.000	0.674	5.000
34.2	6.00E-01	-0.300	0.700	0.000	0.587	3.900
34.5	6.00E-01	-0.300	0.700	0.000	0.583	5.600

192.2	29.44043	1573	29.988	51.5	296.946154	336.554965
192.2	25.94603	1475	30.714	56.4	299.174689	331.693407
192.2	25.33539	1510	31.67	46.5	296.736837	326.168804
192.2	21.91184	1532	32.053	45.9	294.076	317.39736
192.2	21.28719	1357	32.712	38.8	288.656685	308.093224
192.2	19.63739	1301	32.91	32.9	285.209034	299.184583
192.2	18.91761	1310	33.358	16.7	280.722404	289.001898
192.2	18.40062	1318	33.53	16.8	276.186756	278.387313
	17.9877	1322	33.53	18	272.027589	268.488679
	18.10121	1325	33.53	17	268.362095	259.648974
	18.45948	1327	33.53	20.2	264.600937	252.062731
	18.17159	1326	33.53	15.7	262.011368	246.064067
	12.32906	1332	33.53	35.7	259.889564	242.135294
192.2	24.77424	1334	33.944	40.1	258.447287	243.033566
192.2	24.01316	1346	34.16	43.5	261.249438	249.111176
192.2	23.72073	1359	34.655	53.3	265.780602	255.768942
192.2	23.48733	1364	34.78	31	268.712214	259.828
192.2	17.77921	1361	34.78	17.6	269.461753	255.555055
192.2	11.60234	1342	34.16	0	266.128517	246.619683
192.2	11.23445	1321	33.53	0	263.87907	239.358086
192.2	11.51	1306	32.91	2.7	270.412468	233.970125
192.2	20.0211	1285	32.596	11.4	273.604884	227.988255
192	10.81668	1258	31.806	4.2	268.257692	222.269565
191.7	10.59151	1231	31.111	0	266.008907	218.289009
191.3	10.47459	1216	30.518	7.4	265.918634	214.493871
190.9	22.83573	1195	30.43	30.4	265.264509	214.191584
190.6	22.64082	1199	30.43	59.7	267.38252	223.821824
190.4	27.82147	1212	30.457	71.8	267.953491	243.427473
190.4	28.32315	1229	31.05	70.1	268.003964	258.146939
190.4	28.61922	1245	31.67	70.8	272.707407	269.982394
190.4	28.94485	1264	32.121	70.6	276.869653	279.425
190.4	28.82645	1285	32.734	68.8	280.169582	285.311851
190.4	22.18441	1296	32.91	43.5	282.15161	284.547233
190.4	19.35727	1302	32.91	21.5	279.489884	276.332391
190.4	11.67822	1295	32.91	0	275.595971	265.176531
190.4	11.31392	1298	32.91	0	272.3	254.146596
	11.20503	1304	32.91	0	272.354614	244.78957
	11.28713	1307	33.53	0	269.983895	237.388119
	11.18733	1323	33.53	0	268.173333	230.470582
	11.23367	1325	33.53	0	266.64749	224.175665
	11.14429	1316	33.53	0	265.692395	218.428048
190.4	11.04189	1301	32.91	1.9	262.587594	213.634902
190.4	18.89198	1302	32.91	18.1	264.102989	210.248807
190.4	21.93917	1306	32.91	26.2	271.051655	208.861123
190.4	20.20437	1310	33.53	18	275.3275	208.7
190.4	11.27979	1312	33.53	1.4	275.577376	203.502277
190.2	11.00764	1265	32.428	0	266.231026	200.524457

0.3225	0.31242	6.03764	10161.849
0.32252	0.31256	6.03985	10164.842
0.32254	0.31272	6.04237	10167.473
0.32256	0.31279	6.04449	10169.933
0.32258	0.31287	6.04607	10172.177
0.3226	0.31294	6.04758	10174.112
0.32261	0.31302	6.04934	10175.799
0.32262	0.31308	6.05104	10177.285
0.32263	0.31313	6.05272	10178.555
0.32264	0.31319	6.05379	10179.606
0.32265	0.31324	6.05503	10180.468
0.32266	0.31334	6.05667	10181.209
0.32267	0.31343	6.05886	10182.066
0.32269	0.31355	6.06138	10182.988
0.32271	0.31367	6.06401	10184.109
0.32273	0.31378	6.067	10185.641
0.32274	0.31392	6.06988	10187.437
0.32275	0.31399	6.07184	10189.038
0.32276	0.31408	6.07309	10190.384
0.32277	0.31414	6.07408	10191.402
0.32278	0.31422	6.07485	10192.331
0.3228	0.3143	6.07567	10193.107
0.32281	0.31433	6.07646	10193.447
0.32282	0.31435	6.0773	10193.696
0.32283	0.31436	6.07821	10193.989
0.32284	0.31441	6.07971	10194.44
0.32286	0.31445	6.0819	10195.009
0.32288	0.31449	6.08569	10196.282
0.3229	0.31453	6.09009	10198.68
0.32293	0.31456	6.09373	10202.05
0.32297	0.31463	6.09614	10205.622
0.32301	0.31463	6.09843	10209.088
0.32304	0.31469	6.10042	10212.092
0.32306	0.3147	6.10176	10214.175
0.32308	0.31473	6.10296	10215.584
0.3231	0.31476	6.10407	10216.725
0.32311	0.31479	6.10493	10217.681
0.32312	0.31483	6.10574	10218.395
0.32313	0.31484	6.10629	10218.903
0.32314	0.31488	6.10689	10219.257
0.32315	0.31489	6.10758	10219.515
0.32316	0.31491	6.10836	10219.707
0.32318	0.31494	6.10994	10219.98
0.3232	0.31496	6.11204	10220.251
0.32322	0.315	6.11368	10220.558
0.32323	0.31502	6.11525	10220.93
0.32324	0.31505	6.11658	10221.368

12:29:28.701	-12	0.00001	0.00002	0.00106	0.452	0.000044
12:29:29.701	-12	0.00001	0.00002	0.00093	0.386	0.000038
12:29:30.701	-12	0.00001	0.00002	0.0009	0.298	0.000029
12:29:31.701	-12	0.00001	0.00001	0.00062	0.224	0.000022
12:29:32.701	-12	0.00001	0.00002	0.00065	0.153	0.000015
12:29:33.701	-12	0.00001	0	0.00077	0.114	0.000011
12:29:34.701	-12	0.00001	0.00002	0.00082	0.091	0.000009
12:29:35.701	-12	0.00001	0.00001	0.00075	0.075	0.000007
12:29:36.701	-12	0.00001	0.00002	0.00076	0.075	0.000007
12:29:37.701	-12	0.00001	0.00002	0.00121	0.11	0.000011
12:29:38.701	-12	0.00001	0.00002	0.00128	0.11	0.00001
12:29:39.701	-12	0.00001	0.00008	0.00136	0.149	0.000015
12:29:40.701	-12	0.00002	0.00009	0.00162	0.257	0.000025
12:29:41.701	-12	0.00002	0.00009	0.00178	0.33	0.000032
12:29:42.701	-12	0.00002	0.00002	0.00169	0.442	0.000043
12:29:43.701	-12	0.00002	0.00004	0.00204	0.599	0.000058
12:29:44.701	-12	0.00001	0.00002	0.00204	0.761	0.000074
12:29:45.701	-12	0.00001	0.00002	0.00156	0.826	0.00008
12:29:46.701	-12	0.00001	0.00003	0.00135	0.737	0.000072
12:29:47.701	-12	0.00001	0.00001	0.00158	0.583	0.000057
12:29:48.701	-12	0.00001	0.00003	0.0017	0.566	0.000055
12:29:49.701	-12	0.00001	0	0.00167	0.643	0.000062
12:29:50.701	-12	0.00001	0.00003	0.00184	0.778	0.000076
12:29:51.701	-12	0.00001	0.00001	0.00168	0.918	0.000089
12:29:52.701	-12	0.00001	0.00002	0.00159	1.096	0.000106
12:29:53.701	-12	0.00002	0.00004	0.00166	1.245	0.000121
12:29:54.701	-12	0.00002	0.00001	0.00231	1.783	0.000173
12:29:55.701	-12	0.00005	0.00011	0.00596	4.719	0.000457
12:29:56.701	-12	0.00006	0.00005	0.00836	7.401	0.000716
12:29:57.701	-12	0.00006	0.00006	0.00563	6.934	0.000671
12:29:58.701	-12	0.00009	0.00002	0.0055	8.182	0.000791
12:29:59.701	-12	0.00011	0.00003	0.00634	9.319	0.000901
12:30:00.701	-12	0.00014	0.00002	0.00756	11.074	0.00107
12:30:01.701	-12	0.00016	0	0.00677	12.292	0.001188
12:30:02.701	-12	0.00013	0.00009	0.00524	9.938	0.00096
12:30:03.701	-12	0.00014	0.00001	0.00511	9.892	0.000956
12:30:04.701	-12	0.00016	0.00003	0.00558	11.374	0.001098
12:30:05.701	-12	0.00017	0.00003	0.00579	12.432	0.0012
12:30:06.701	-12	0.00015	0	0.00465	10.323	0.000997
12:30:07.701	-12	0.00008	0.00004	0.00335	5.744	0.000555
12:30:08.701	-12	0.00005	0	0.00202	2.988	0.000289
12:30:09.701	-12	0.00003	0.00003	0.00098	1.775	0.000172
12:30:10.701	-12	0.00003	0.00001	0.00057	1.388	0.000134
12:30:11.701	-12	0.00002	0.00004	0.00047	0.986	0.000095
12:30:12.701	-12	0.00002	0.00002	0.00052	0.718	0.00007
12:30:13.701	-12	0.00003	0.00003	0.00126	0.821	0.00008
12:30:14.701	-12	0.00003	0.00005	0.00163	0.698	0.000068

34.1	6.00E-01	-0.300	0.800	0.000	0.640	3.100
32.7	6.00E-01	-0.300	0.700	0.000	0.607	3.700
32	7.00E-01	-0.200	0.800	0.000	0.669	3.600
29.7	6.00E-01	-0.200	0.800	0.000	0.647	2.800
28.9	6.00E-01	-0.200	0.700	0.000	0.591	3.900
26.2	6.00E-01	-0.200	0.700	0.000	0.592	0.200
25.2	6.00E-01	-0.200	0.700	0.000	0.593	4.700
22.1	6.00E-01	-0.200	0.700	0.000	0.593	1.200
20.9	6.00E-01	-0.200	0.700	0.000	0.594	3.500
17.1	6.00E-01	-0.200	0.700	0.000	0.593	2.800
15.9	6.00E-01	-0.200	0.700	0.000	0.593	2.600
12.2	6.00E-01	-0.300	0.700	0.000	0.593	10.600
11.9	6.00E-01	-0.300	0.700	0.000	0.591	10.000
10.9	6.00E-01	-0.300	0.700	0.000	0.590	10.000
10.9	6.00E-01	-0.300	0.700	0.000	0.588	2.300
11	6.00E-01	-0.300	0.700	0.000	0.584	4.700
11	6.00E-01	-0.300	0.700	0.000	0.579	2.600
11	6.00E-01	-0.300	0.700	0.000	0.577	3.100
9.6	6.00E-01	-0.300	0.700	0.000	0.579	4.600
5.4	6.00E-01	-0.300	0.700	0.000	0.583	1.200
4.7	6.00E-01	-0.300	0.700	0.000	0.583	4.900
2.4	6.00E-01	-0.300	0.700	0.000	0.581	0.300
1.8	6.00E-01	-0.300	0.700	0.000	0.577	3.600
0	6.00E-01	-0.300	0.700	0.000	0.574	2.100
0	6.00E-01	-0.300	0.700	0.000	0.572	2.000
0	6.00E-01	-0.300	0.700	0.000	0.572	4.200
0.6	6.00E-01	-0.300	0.700	0.000	0.571	1.200
2.6	6.00E-01	-0.300	0.700	0.000	0.564	4.500
4.1	6.00E-01	-0.300	0.700	0.000	0.557	1.600
8.9	7.00E-01	-0.300	0.800	0.000	0.659	2.200
10.2	8.00E-01	-0.300	1.000	0.000	0.768	0.500
14.2	9.00E-01	-0.200	1.100	0.000	0.896	0.900
15.7	1.00E+00	-0.100	1.300	0.000	1.046	0.400
20.4	1.10E+00	-0.100	1.400	0.000	1.098	-2.100
22	1.10E+00	0.000	1.400	0.025	1.097	2.600
27	1.30E+00	0.100	1.500	0.078	1.174	0.200
28.2	1.20E+00	0.100	1.500	0.078	1.168	0.800
32.3	1.20E+00	0.100	1.500	0.078	1.166	0.700
33.5	1.30E+00	0.100	1.500	0.103	1.171	0.100
37.2	1.30E+00	0.200	1.400	0.157	1.097	1.800
37.8	1.30E+00	0.200	1.400	0.157	1.102	0.400
40	1.20E+00	0.200	1.400	0.158	1.085	3.600
39.8	1.20E+00	0.200	1.300	0.137	1.040	1.300
39.1	1.00E+00	0.100	1.200	0.057	0.951	6.400
38.8	9.00E-01	0.000	1.100	0.000	0.881	2.500
37.9	8.00E-01	-0.200	1.000	0.000	0.834	2.900
37.7	8.00E-01	-0.300	1.000	0.000	0.835	5.000

189.9	10.48781	1194	30.289	0	248.087125	197.553879
189.5	9.87354	1142	28.985	0	247.009572	194.9125
189.1	9.50914	1095	27.518	2	244.107449	192.161943
188.7	10.024	1221	25.881	4.7	244.253021	190.311719
188.6	10.02059	1173	24.482	1.6	245.87362	187.96378
188.6	9.8873	1142	22.515	0	245.908487	185.824783
188.6	9.897	1125	19.813	0.3	233.616701	184.330725
188.6	8.74695	1021	17.207	6.7	235.99814	182.604343
188.6	9.4857	1077	14.53	5.5	244.944076	180.909011
188.6	18.7114	877	12.231	13.6	258.209756	180.1
188.6	16.06879	937	10.974	7.7	266.465163	178.346957
188.6	14.84576	913	10.56	13.9	267.68	175.858367
188.6	17.91398	1096	9.94	29	276.418269	175.809011
188.6	19.92911	1199	9.94	36.1	274.603962	178.939373
188.6	20.57023	1264	10.56	32.4	273.81758	184.451914
188.6	8.7527	1019	10.56	11.6	276.203125	186.036087
188.6	13.84657	907	9.262	13.7	273.280777	183.403299
188.6	13.99483	792	6.431	26.3	265.47	181.328235
188.6	14.89826	818	3.948	33	264.816923	183.681176
188.6	14.49126	772	2.488	38	254.267179	185.83304
188.6	15.1384	794	1.106	41.5	245.961	190.316062
188.6	14.67273	780	0.178	40.4	245.332231	193.664061
188.6	14.85758	779	0	40	245.328148	196.440432
	14.756	778	0	40.4	245.103352	198.837037
	15.01819	776	0	41.1	243.646008	200.950296
	18.11	950	1.041	48.4	244.170513	204.255856
	19.58015	1082	3.284	59.6	245.654074	212.217425
	50.34863	1687	6.43	73.9	253.679096	232.637832
188.6	73.23622	2117	9.969	77.4	265.906616	264.265059
188.6	52.08833	1739	12.604	63.2	278.199263	283.671262
188.6	82.83957	2095	15.264	79.9	278.207179	301.495391
188.6	77.86372	2028	17.976	76	283.651163	329.174928
188.6	79.77698	2101	21.026	79.9	289.651731	349.081532
189	97.71873	2282	24.65	77.3	295.642075	370.19521
189.4	78.55246	2068	27.716	80.4	302.538365	385.050602
189.7	73.89653	1705	29.746	80.3	301.331524	393.978876
190.1	77.22334	1847	32.48	95.3	286.645873	408.526593
190.5	84.9909	1988	34.922	81.3	290.807386	421.689505
190.9	73.6071	1971	36.782	77.4	293.042871	422.7227
191.2	48.95087	1829	38.5	73.6	290.833493	416.4025
191.6	20.29447	1498	38.5	23.4	272.558553	394.21
192	13.33585	1499	38.139	0	253.418926	365.244348
192.2	12.66974	1473	37.396	0	264.148158	341.036
192.2	12.30798	1450	36.659	9.5	269.370619	321.844615
192.2	11.66445	1425	36.02	25.6	268.257434	306.98602
192.2	25.63228	1417	35.911	31	265.413238	294.495362
192.2	20.68235	1398	35.4	16.8	261.597959	284.622542

0.32325	0.31507	6.11764	10221.82
0.32326	0.31509	6.11857	10222.206
0.32327	0.31511	6.11947	10222.504
0.32328	0.31512	6.12009	10222.728
0.32329	0.31514	6.12074	10222.881
0.3233	0.31514	6.12151	10222.995
0.32331	0.31516	6.12233	10223.086
0.32332	0.31517	6.12308	10223.161
0.32333	0.31519	6.12384	10223.236
0.32334	0.31521	6.12505	10223.346
0.32335	0.31523	6.12633	10223.456
0.32336	0.31531	6.12769	10223.605
0.32338	0.3154	6.12931	10223.862
0.3234	0.31549	6.13109	10224.192
0.32342	0.31551	6.13278	10224.634
0.32344	0.31555	6.13482	10225.233
0.32345	0.31557	6.13686	10225.994
0.32346	0.31559	6.13842	10226.82
0.32347	0.31562	6.13977	10227.557
0.32348	0.31563	6.14135	10228.14
0.32349	0.31566	6.14305	10228.706
0.3235	0.31566	6.14472	10229.349
0.32351	0.31569	6.14656	10230.127
0.32352	0.3157	6.14824	10231.045
0.32353	0.31572	6.14983	10232.141
0.32355	0.31576	6.15149	10233.386
0.32357	0.31577	6.1538	10235.169
0.32362	0.31588	6.15976	10239.888
0.32368	0.31593	6.16812	10247.289
0.32374	0.31599	6.17375	10254.223
0.32383	0.31601	6.17925	10262.405
0.32394	0.31604	6.18559	10271.724
0.32408	0.31606	6.19315	10282.798
0.32424	0.31606	6.19992	10295.09
0.32437	0.31615	6.20516	10305.028
0.32451	0.31616	6.21027	10314.92
0.32467	0.31619	6.21585	10326.294
0.32484	0.31622	6.22164	10338.726
0.32499	0.31622	6.22629	10349.049
0.32507	0.31626	6.22964	10354.793
0.32512	0.31626	6.23166	10357.781
0.32515	0.31629	6.23264	10359.556
0.32518	0.3163	6.23321	10360.944
0.3252	0.31634	6.23368	10361.93
0.32522	0.31636	6.2342	10362.648
0.32525	0.31639	6.23546	10363.469
0.32528	0.31644	6.23709	10364.167

12:30:15.701	-12	0.00002	0.00003	0.00169	0.83	0.000081
12:30:16.701	-12	0.00002	0.00004	0.00141	0.906	0.000088
12:30:17.701	-12	0.00001	0.00003	0.00089	0.592	0.000057
12:30:18.701	-12	0.00001	0.00004	0.00078	0.408	0.00004
12:30:19.701	-12	0.00001	0.00003	0.00092	0.33	0.000032
12:30:20.701	-12	0.00001	0.00003	0.00089	0.284	0.000028
12:30:21.701	-12	0.00001	0.00004	0.00086	0.244	0.000024
12:30:22.701	-12	0.00001	0.00003	0.00077	0.198	0.000019
12:30:23.701	-12	0.00001	0.00005	0.00066	0.159	0.000015
12:30:24.701	-12	0.00001	0.00001	0.00074	0.131	0.000013
12:30:25.701	-12	0.00001	0.00003	0.00073	0.11	0.000011
12:30:26.701	-12	0.00001	0.00001	0.00078	0.095	0.000009
12:30:27.701	-12	0.00001	0.00002	0.00081	0.083	0.000008
12:30:28.701	-12	0.00001	0.00002	0.00067	0.075	0.000007
12:30:29.701	-12	0.00001	0	0.00048	0.069	0.000007
12:30:30.701	-12	0.00001	0.00001	0.00047	0.063	0.000007
12:30:31.701	-12	0.00001	0	0.00038	0.058	0.000007
12:30:32.701	-12	0.00001	0.00001	0.00038	0.054	0.000007
12:30:33.701	-12	0.00001	0.00001	0.00043	0.051	0.000007
12:30:34.701	-12	0.00001	0.00001	0.00047	0.046	0.000007
12:30:35.701	-12	0.00001	0.00002	0.00074	0.072	0.000011
12:30:36.701	-12	0.00003	0	0.00185	0.285	0.000028
12:30:37.701	-12	0.00004	0.00006	0.00784	2.479	0.000241
12:30:38.701	-12	0.00006	0.00005	0.01155	7.59	0.000735
12:30:39.701	-12	0.00009	0.00012	0.01073	11.668	0.001128
12:30:40.701	-12	0.00015	0.00008	0.00785	12.724	0.001229
12:30:41.701	-12	0.00017	0.00008	0.00435	9.63	0.00093
12:30:42.701	-12	0.00013	0.00006	0.00439	7.066	0.000683
12:30:43.701	-12	0.00009	0.00002	0.00305	4.775	0.000462
12:30:44.701	-12	0.00007	0.00008	0.00269	4.119	0.000398
12:30:45.701	-12	0.00005	0.00001	0.00225	3.246	0.000314
12:30:46.701	-12	0.00004	0.00004	0.00179	2.705	0.000262
12:30:47.701	-12	0.00003	0.00003	0.00127	2.356	0.000228
12:30:48.701	-12	0.00003	0.00007	0.00057	2.014	0.000195
12:30:49.701	-12	0.00003	0.00009	0.00132	1.762	0.000171
12:30:50.701	-12	0.00002	0.00009	0.00128	1.539	0.000149
12:30:51.701	-12	0.00002	0.00009	0.00133	1.144	0.000111
12:30:52.701	-12	0.00002	0.00004	0.0011	0.765	0.000074
12:30:53.701	-12	0.00001	0.00006	0.00085	0.592	0.000057
12:30:54.701	-12	0.00003	0.00007	0.00138	0.759	0.000074
12:30:55.701	-12	0.00002	0.00009	0.0014	0.57	0.000055
12:30:56.701	-12	0.00002	0.00007	0.00147	0.645	0.000063
12:30:57.701	-12	0.00001	0.00005	0.00141	0.655	0.000064
12:30:58.701	-12	0.00001	0.00007	0.00125	0.601	0.000058
12:30:59.701	-12	0.00001	0.00004	0.00106	0.522	0.000051
12:31:00.701	-12	0.00002	0.00007	0.00183	0.632	0.000061
12:31:01.701	-12	0.00002	0.00006	0.00123	0.509	0.000049

36.9	7.00E-01	-0.300	0.900	0.000	0.748	3.300
36.9	6.00E-01	-0.300	0.700	0.000	0.580	4.600
36.9	6.00E-01	-0.300	0.700	0.000	0.583	4.200
36.9	6.00E-01	-0.400	0.700	0.000	0.585	5.800
36.7	6.00E-01	-0.400	0.700	0.000	0.587	4.600
36.5	6.00E-01	-0.400	0.700	0.000	0.588	5.600
36	6.00E-01	-0.400	0.700	0.000	0.589	6.900
35.8	6.00E-01	-0.400	0.700	0.000	0.590	5.800
35.3	6.00E-01	-0.400	0.700	0.000	0.591	8.800
35.1	6.00E-01	-0.400	0.700	0.000	0.567	2.500
34.5	5.00E-01	-0.400	0.600	0.000	0.508	6.000
34.3	5.00E-01	-0.400	0.600	0.000	0.508	2.400
33.6	5.00E-01	-0.400	0.600	0.000	0.509	3.800
33.4	5.00E-01	-0.400	0.600	0.000	0.508	3.600
32.8	5.00E-01	-0.400	0.600	0.000	0.508	1.000
32.2	5.00E-01	-0.400	0.600	0.000	0.508	3.100
30.5	5.00E-01	-0.300	0.600	0.000	0.508	0.300
29.6	5.00E-01	-0.200	0.600	0.000	0.508	2.900
26.8	5.00E-01	-0.200	0.600	0.000	0.508	1.400
25.5	5.00E-01	-0.200	0.600	0.000	0.508	2.700
21.2	5.00E-01	-0.200	0.600	0.000	0.508	2.100
20.8	5.00E-01	-0.200	0.600	0.000	0.508	0.000
19.4	5.00E-01	-0.200	0.600	0.000	0.495	2.700
20.2	6.00E-01	-0.200	0.700	0.000	0.559	1.400
22.6	7.00E-01	-0.100	0.900	0.000	0.704	3.000
24	1.00E+00	0.300	1.000	0.229	0.806	1.700
28.5	1.40E+00	0.700	1.100	0.575	0.865	2.400
29.4	1.50E+00	0.800	1.100	0.629	0.865	2.400
32.5	1.50E+00	0.800	1.100	0.631	0.867	1.100
33.2	1.40E+00	0.700	1.100	0.527	0.869	5.000
35.4	1.20E+00	0.500	1.100	0.369	0.869	0.400
35.3	1.20E+00	0.400	1.100	0.290	0.868	3.900
34.8	1.10E+00	0.200	1.100	0.190	0.873	3.200
34.9	1.00E+00	0.100	1.100	0.080	0.881	7.500
35.4	9.00E-01	0.100	1.000	0.081	0.783	9.400
35.7	8.00E-01	0.100	0.900	0.081	0.730	10.100
36.5	7.00E-01	0.000	0.900	0.000	0.735	11.500
36.4	7.00E-01	0.000	0.900	0.000	0.716	6.200
35.9	7.00E-01	0.000	0.800	0.000	0.664	9.000
35.8	7.00E-01	0.000	0.800	0.000	0.669	6.300
35.3	6.00E-01	-0.100	0.800	0.000	0.643	8.300
35.4	6.00E-01	-0.200	0.700	0.000	0.585	7.200
35.6	6.00E-01	-0.200	0.700	0.000	0.581	6.900
35.6	6.00E-01	-0.200	0.700	0.000	0.580	10.800
35.8	6.00E-01	-0.200	0.700	0.000	0.581	6.800
35.9	6.00E-01	-0.200	0.700	0.000	0.585	8.000
36.4	6.00E-01	-0.200	0.700	0.000	0.589	5.700

192.2	19.97092	1394	35.4	10.1	257.103434	271.127112
192.2	18.84031	1395	35.4	10.5	253.48449	258.79173
192.2	14.16396	1390	35.4	7.8	251.195842	249.958614
192.2	11.95526	1386	35.239	2.8	248.297143	242.082857
192.2	11.8	1375	34.78	1.2	245.399383	236.604934
191.9	11.60038	1366	34.78	0.1	244.319057	231.427778
191.5	11.50316	1354	34.16	0	241.526326	226.413235
191.1	11.39737	1332	33.667	0	239.306667	222.205005
190.7	11.26713	1318	33.53	0	242.896528	218.614321
190.4	11.02036	1300	32.91	0	245.819282	215.317546
190.4	10.94987	1291	32.714	0	245.005932	211.590415
190.4	10.87306	1265	32.29	0	244.118644	208.757242
190.4	10.64065	1255	31.67	0	243.616028	205.738554
190.4	10.56837	1228	31.05	0	245.45	202.90486
190.4	10.05055	1175	29.81	0	248.170395	200.720978
190.4	9.86844	1148	29.19	0	242.217391	198.044004
190.4	9.52504	1080	27.342	0	238.078878	195.567738
190.4	10.11472	1172	24.574	0	231.678144	193.540137
190.4	9.58367	1133	21.46	0	226.969845	191.678478
190.1	9.76563	1120	19.661	0.6	225.704167	189.9952
189.7	9.77119	1196	18.63	13.2	225.570313	189.4048
189.4	29.89667	1382	18.858	70	226.036563	197.707118
189	53.68	1503	20.286	95.3	236.119943	236.414946
188.6	77.98511	1697	23.082	82.1	257.751538	291.121321
189	88.98267	1924	25.736	83	282.017146	339.95005
189.4	87.71577	2112	28.847	78.4	300.535453	367.968168
189.8	66.98164	1790	30.297	80.7	303.386016	377.654016
190.2	49.42719	1822	32.29	80.5	275.645602	380.2
190.5	39.25567	1599	32.91	79.7	265.160075	374.235909
190.9	34.21828	1586	33.371	82.3	271.770772	365.025743
191.3	31.81636	1607	33.53	56.4	271.789002	360.215768
191.7	22.27071	1416	34.025	37.3	274.588684	340.901022
192	20.11261	1353	34.16	38.6	277.533333	326.7678
192.2	19.93532	1362	34.776	34.2	277.311711	311.521691
192.2	19.93806	1374	34.78	25.9	277.848507	297.056391
192.2	18.57444	1377	34.78	11.7	273.332985	282.918349
192.2	14.22148	1373	34.78	2	268.292188	268.754599
192.2	11.83659	1361	34.596	0	263.442608	257.004348
191.9	11.6283	1347	34.16	12.4	260.41988	248.585561
191.5	22.39282	1343	34.16	23.9	255.750304	242.436235
191.1	21.61102	1350	34.16	26.3	255.9515	239.281973
190.7	19.52253	1351	34.776	14.7	259.727273	234.349248
190.4	16.55792	1359	34.259	0.1	259.931132	227.630392
190.4	11.83033	1366	34.78	0.7	257.214679	222.008696
190.4	11.72634	1374	34.78	0	255.420467	217.018713
190.4	17.15145	1385	34.84	3.6	253.582863	213.538454
190.4	23.32746	1395	35.429	29.9	256.232584	212.186681

0.3253	0.31647	6.23878	10364.997
0.32532	0.31651	6.24019	10365.903
0.32533	0.31654	6.24108	10366.495
0.32534	0.31658	6.24186	10366.903
0.32535	0.31661	6.24278	10367.233
0.32536	0.31664	6.24367	10367.517
0.32537	0.31668	6.24453	10367.761
0.32538	0.31671	6.2453	10367.959
0.32539	0.31676	6.24596	10368.118
0.3254	0.31677	6.2467	10368.249
0.32541	0.3168	6.24743	10368.359
0.32542	0.31681	6.24821	10368.454
0.32543	0.31683	6.24902	10368.537
0.32544	0.31685	6.24969	10368.612
0.32545	0.31685	6.25017	10368.681
0.32546	0.31686	6.25064	10368.744
0.32547	0.31686	6.25102	10368.802
0.32548	0.31687	6.2514	10368.856
0.32549	0.31688	6.25183	10368.907
0.3255	0.31689	6.2523	10368.953
0.32551	0.31691	6.25304	10369.025
0.32554	0.31691	6.25489	10369.31
0.32558	0.31697	6.26273	10371.789
0.32564	0.31702	6.27428	10379.379
0.32573	0.31714	6.28501	10391.047
0.32588	0.31722	6.29286	10403.771
0.32605	0.3173	6.29721	10413.401
0.32618	0.31736	6.3016	10420.467
0.32627	0.31738	6.30465	10425.242
0.32634	0.31746	6.30734	10429.361
0.32639	0.31747	6.30959	10432.607
0.32643	0.31751	6.31138	10435.312
0.32646	0.31754	6.31265	10437.668
0.32649	0.31761	6.31322	10439.682
0.32652	0.3177	6.31454	10441.444
0.32654	0.31779	6.31582	10442.983
0.32656	0.31788	6.31715	10444.127
0.32658	0.31792	6.31825	10444.892
0.32659	0.31798	6.3191	10445.484
0.32662	0.31805	6.32048	10446.243
0.32664	0.31814	6.32188	10446.813
0.32666	0.31821	6.32335	10447.458
0.32667	0.31826	6.32476	10448.113
0.32668	0.31833	6.32601	10448.714
0.32669	0.31837	6.32707	10449.236
0.32671	0.31844	6.3289	10449.868
0.32673	0.3185	6.33013	10450.377

12:31:02.701	-12	0.00002	0.00008	0.00172	0.478	0.000046
12:31:03.701	-12	0.00002	0.00007	0.00235	0.782	0.000076
12:31:04.701	-12	0.00002	0.00008	0.00267	1.319	0.000128
12:31:05.701	-12	0.00002	0.00012	0.00271	1.969	0.000191
12:31:06.701	-12	0.00003	0.0001	0.0028	2.59	0.000251
12:31:07.701	-12	0.00002	0.00016	0.00186	2.782	0.000269
12:31:08.701	-12	0.00002	0.00009	0.00154	2.547	0.000246
12:31:09.701	-12	0.00002	0.00012	0.0016	2.32	0.000224
12:31:10.701	-12	0.00002	0.0001	0.00171	2.148	0.000208
12:31:11.701	-12	0.00002	0.00006	0.00172	2.034	0.000197
12:31:12.701	-12	0.00001	0.00005	0.00122	1.31	0.000127
12:31:13.701	-12	0.00001	0.00002	0.00106	1.172	0.000113
12:31:14.701	-12	0.00001	0.00003	0.00085	1.034	0.0001
12:31:15.701	-12	0.00001	0.00002	0.00074	0.879	0.000085
12:31:16.701	-12	0.00001	0.00003	0.00063	0.692	0.000067
12:31:17.701	-12	0.00001	0.00002	0.00051	0.515	0.00005
12:31:18.701	-12	0	0.00003	0.00052	0.374	0.000036
12:31:19.701	-12	0.00001	0.00006	0.00079	0.403	0.000039
12:31:20.701	-12	0.00001	0.00004	0.00099	0.332	0.000032
12:31:21.701	-12	0.00001	0.00009	0.00108	0.282	0.000028
12:31:22.701	-12	0.00001	0.00006	0.00113	0.311	0.00003
12:31:23.701	-12	0.00001	0.00007	0.0012	0.376	0.000037
12:31:24.701	-12	0.00001	0.00004	0.00145	0.537	0.000052
12:31:25.701	-12	0.00001	0.00003	0.00154	0.719	0.00007
12:31:26.701	-12	0.00001	0.00005	0.0015	0.871	0.000085
12:31:27.701	-12	0.00001	0.00002	0.00136	0.997	0.000097
12:31:28.701	-12	0.00001	0.00007	0.0012	1.064	0.000103
12:31:29.701	-12	0.00001	0.00003	0.00112	1.09	0.000106
12:31:30.701	-12	0.00001	0.00006	0.00111	1.083	0.000105
12:31:31.701	-12	0.00001	0.00004	0.00111	1.085	0.000105
12:31:32.701	-12	0.00001	0.00003	0.0011	1.087	0.000105
12:31:33.701	-12	0.00001	0.00004	0.00133	1.088	0.000105
12:31:34.701	-11.2	0.00001	0.00001	0.00147	1.091	0.000106
12:31:35.701	-11.8	0.00001	0.00003	0.00138	1.093	0.000106
12:31:36.701	-11.3	0.00001	0.00001	0.00138	1.093	0.000106
12:31:37.701	-11	0.00001	0.00003	0.00138	1.103	0.000107
12:31:38.701	-11	0.00001	0.00003	0.00139	1.114	0.000108
12:31:39.701	-11	0.00001	0.00002	0.00139	1.116	0.000108
12:31:40.701	-11.7	0.00001	0.00003	0.00139	1.115	0.000108
12:31:41.701	-11.3	0.00001	0.00001	0.00139	1.114	0.000108
12:31:42.701	-11	0.00001	0.00004	0.00139	1.113	0.000108
12:31:43.701	-11	0.00001	0.00001	0.00139	1.113	0.000108
12:31:44.701	-11	0.00001	0.00003	0.00139	1.117	0.000108
12:31:45.701	-11	0.00001	0.00002	0.00143	1.148	0.000111
12:31:46.701	-11	0.00001	0.00002	0.00163	1.31	0.000127
12:31:47.701	-11	0.00001	0.00003	0.00214	1.663	0.000161
12:31:48.701	-11	0.00003	0	0.00468	3.996	0.000387

36.5	6.00E-01	-0.200	0.700	0.000	0.589	7.200
36.8	6.00E-01	-0.300	0.700	0.000	0.584	6.100
37.1	6.00E-01	-0.300	0.700	0.000	0.577	6.700
38.1	6.00E-01	-0.300	0.700	0.000	0.570	9.200
38.3	6.00E-01	-0.200	0.700	0.000	0.564	7.100
38.9	6.00E-01	-0.200	0.700	0.000	0.560	12.600
39	6.00E-01	-0.300	0.700	0.000	0.559	7.500
39.2	6.00E-01	-0.300	0.700	0.000	0.561	10.800
39.1	5.00E-01	-0.400	0.600	0.000	0.483	8.600
38.9	5.00E-01	-0.400	0.600	0.000	0.484	5.700
38.9	5.00E-01	-0.400	0.600	0.000	0.484	7.800
38.7	5.00E-01	-0.400	0.600	0.000	0.484	3.200
37.3	5.00E-01	-0.400	0.600	0.000	0.483	6.500
33	5.00E-01	-0.400	0.600	0.000	0.461	3.500
31	4.00E-01	-0.400	0.500	0.000	0.407	5.800
24.4	4.00E-01	-0.400	0.500	0.000	0.412	5.100
22.9	3.00E-01	-0.400	0.400	0.000	0.332	5.900
18.1	3.00E-01	-0.400	0.400	0.000	0.335	8.500
16.4	3.00E-01	-0.400	0.400	0.000	0.336	5.400
11.2	3.00E-01	-0.400	0.400	0.000	0.337	12.500
9.7	3.00E-01	-0.500	0.400	0.000	0.336	8.300
4.9	3.00E-01	-0.500	0.400	0.000	0.336	9.400
3.7	3.00E-01	-0.500	0.400	0.000	0.334	5.700
0	3.00E-01	-0.500	0.400	0.000	0.331	4.600
0	3.00E-01	-0.500	0.400	0.000	0.329	7.200
0	3.00E-01	-0.400	0.400	0.000	0.327	3.300
0	3.00E-01	-0.400	0.400	0.000	0.326	9.600
0	3.00E-01	-0.500	0.400	0.000	0.326	4.400
0	3.00E-01	-0.400	0.400	0.000	0.326	8.400
0	3.00E-01	-0.400	0.400	0.000	0.326	5.000
0	3.00E-01	-0.400	0.400	0.000	0.326	3.700
0	3.00E-01	-0.400	0.400	0.000	0.326	5.200
0	3.00E-01	-0.400	0.400	0.000	0.326	1.500
0	3.00E-01	-0.400	0.400	0.000	0.326	4.000
0	3.00E-01	-0.400	0.400	0.000	0.326	1.300
0	3.00E-01	-0.400	0.400	0.000	0.326	4.700
0	3.00E-01	-0.400	0.400	0.000	0.326	3.900
0	3.00E-01	-0.400	0.400	0.000	0.326	2.800
0	3.00E-01	-0.400	0.400	0.000	0.326	4.100
0	3.00E-01	-0.400	0.400	0.000	0.326	1.300
0	3.00E-01	-0.400	0.400	0.000	0.326	5.600
0	3.00E-01	-0.500	0.400	0.000	0.326	1.400
0	3.00E-01	-0.600	0.400	0.000	0.326	3.800
0	3.00E-01	-0.500	0.400	0.000	0.326	2.600
0	4.00E-01	-0.400	0.500	0.000	0.408	1.900
0	3.00E-01	-0.400	0.400	0.000	0.326	2.900
0.4	4.00E-01	-0.400	0.500	0.000	0.403	0.200

190.4	22.89094	1424	36.02	41	257.570998	214.170911
190.4	23.61906	1443	36.64	47.5	261.617448	219.938344
190.4	24.59349	1454	36.908	55.9	266.482692	227.966667
190.4	26.28112	1474	37.26	63.8	263.803061	237.46129
190.4	28.3815	1491	37.88	59.8	264.831003	247.343053
190.4	27.39418	1492	37.88	48.4	264.144079	254.838362
190.4	23.27093	1493	37.88	47.4	263.5	252.800388
190.4	22.97	1486	37.88	48.7	263.542331	251.290031
190.4	23.3866	1479	37.26	47.4	262.750484	249
190.4	24.01302	1467	37.231	52.1	263.071166	248.837281
190.1	13.1191	1442	36.465	16.6	259.160789	245.613983
189.7	11.69953	1333	33.659	0.2	254.159165	236.160064
189.3	10.31761	1172	29.585	0	253.733846	228.743729
188.9	9.37966	1049	25.158	5.9	258.661946	221.909131
	9.23929	1057	21.945	0.3	261.181192	215.860738
	9.13979	1065	18.878	1.9	259.333021	210.707692
	8.84164	1023	15.804	8.4	257.491233	207.055446
	14.12497	893	12.496	9.8	256.563988	202.918282
	14.98439	846	8.87	16	254.272453	199.086337
188.6	14.68595	788	5.891	31.2	258.553938	197.073754
188.6	14.97376	779	3.035	37.9	264.979307	198.831557
188.6	15.55601	800	1.2	42.4	263.656979	202.958882
188.6	15.14332	798	0	40.8	264.292974	207.009007
188.6	15.29272	792	0	41.6	259.125594	209.880565
188.6	14.84385	780	0	41.4	255.030937	212.108084
188.6	14.94	778	0	41.4	255.714033	213.933
188.6	15.1243	779	0	41.6	255.401141	214.574915
188.6	15.09614	780	0	41.3	245.514031	215.835786
188.6	14.9753	778	0	41.2	240.682576	216.580065
188.6	14.9757	778	0	41.5	241.047401	217.212613
188.6	14.79029	780	0	41.9	241.246875	217.6
188.6	14.75068	778	0	42.3	241.295021	217.6
188.6	14.99	782	0	41.6	250.914176	218.023111
188.6	14.89765	779	0	41.5	251.113873	218.4
188.6	14.86572	778	0	41.2	254.662141	217.899349
188.6	15.03472	778	0	41.2	253.986898	218.117787
188.6	15.02013	778	0	41.6	254.384969	218.4
188.6	15.01204	782	0	41.4	259.475145	217.798002
188.6	14.86812	780	0	40.8	259.413436	217.6
188.6	14.92347	779	0	40.8	264.016226	217.6
188.6	14.91952	778	0	40.6	262.973846	217.6
188.6	14.97322	775	0	40.5	258.518864	217.6
188.6	14.94612	782	0	40.6	260.307143	217.026462
188.6	14.98566	779	0	43	261.1619	217
188.6	19.07973	953	0	44	261.292531	218.873621
188.6	18.88893	1048	0.438	64.5	261.473805	221.9047
188.6	50.04171	1627	3.337	95.3	261.324934	243.377708

0.32675	0.31858	6.33185	10450.855
0.32677	0.31865	6.3342	10451.637
0.32679	0.31873	6.33687	10452.956
0.32681	0.31885	6.33958	10454.925
0.32684	0.31895	6.34238	10457.515
0.32686	0.31911	6.34424	10460.297
0.32688	0.3192	6.34578	10462.844
0.3269	0.31932	6.34738	10465.164
0.32692	0.31942	6.34909	10467.312
0.32694	0.31948	6.35081	10469.346
0.32695	0.31953	6.35203	10470.656
0.32696	0.31955	6.35309	10471.828
0.32697	0.31958	6.35394	10472.862
0.32698	0.3196	6.35468	10473.741
0.32699	0.31963	6.35531	10474.433
0.327	0.31965	6.35582	10474.948
0.327	0.31968	6.35634	10475.322
0.32701	0.31974	6.35713	10475.725
0.32702	0.31978	6.35812	10476.057
0.32703	0.31987	6.3592	10476.339
0.32704	0.31993	6.36033	10476.65
0.32705	0.32	6.36153	10477.026
0.32706	0.32004	6.36298	10477.563
0.32707	0.32007	6.36452	10478.282
0.32708	0.32012	6.36602	10479.153
0.32709	0.32014	6.36738	10480.15
0.3271	0.32021	6.36858	10481.214
0.32711	0.32024	6.3697	10482.304
0.32712	0.3203	6.37081	10483.387
0.32713	0.32034	6.37192	10484.472
0.32714	0.32037	6.37302	10485.559
0.32715	0.32041	6.37435	10486.647
0.32716	0.32042	6.37582	10487.738
0.32717	0.32045	6.3772	10488.831
0.32718	0.32046	6.37858	10489.924
0.32719	0.32049	6.37996	10491.027
0.3272	0.32052	6.38135	10492.141
0.32721	0.32054	6.38274	10493.257
0.32722	0.32057	6.38413	10494.372
0.32723	0.32058	6.38552	10495.486
0.32724	0.32062	6.38691	10496.599
0.32725	0.32063	6.3883	10497.712
0.32726	0.32066	6.38969	10498.829
0.32727	0.32068	6.39112	10499.977
0.32728	0.3207	6.39275	10501.287
0.32729	0.32073	6.39489	10502.95
0.32732	0.32073	6.39957	10506.946

12:31:49.701	-11	0.00005	0.00022	0.0087	9.215	0.000892
12:31:50.701	-11	0.00009	0.00011	0.00787	13.289	0.001284
12:31:51.701	-11	0.00046	0.00018	0.00671	15.169	0.001466
12:31:52.701	-11	0.00091	0.00016	0.0072	15.971	0.001543
12:31:53.701	-11	0.00221	0.00013	0.00935	17.478	0.001689
12:31:54.701	-11	0.00208	0.00022	0.0061	10.755	0.00104
12:31:55.701	-11	0.0011	0.00004	0.00328	5.02	0.000485
12:31:56.701	-11	0.00092	0.00011	0.00364	5.156	0.000499
12:31:57.701	-11	0.00056	0.00003	0.00363	5.301	0.000512
12:31:58.701	-11	0.00031	0.0001	0.00306	5.066	0.00049
12:31:59.701	-11	0.00025	0.00014	0.00323	6.038	0.000583
12:32:00.701	-11	0.00021	0.00024	0.00445	7.68	0.000742
12:32:01.701	-11	0.00023	0.00015	0.0039	9.312	0.000899
12:32:02.701	-11	0.00026	0.00001	0.00461	10.443	0.001008
12:32:03.701	-11	0.00018	0.00009	0.00245	5.87	0.000567
12:32:04.701	-11	0.00016	0.00003	0.00153	3.415	0.00033
12:32:05.701	-11	0.00018	0.00007	0.00185	3.116	0.000301
12:32:06.701	-11	0.00017	0.00009	0.00222	3.269	0.000316
12:32:07.701	-11	0.00012	0.00011	0.00205	3.235	0.000313
12:32:08.701	-11	0.00008	0.00012	0.00146	3.104	0.0003
12:32:09.701	-11	0.00006	0.00009	0.00222	3.245	0.000314
12:32:10.701	-11	0.00005	0.00017	0.00292	3.529	0.000342
12:32:11.701	-11	0.00004	0.00008	0.00236	3.736	0.000361
12:32:12.701	-11	0.00004	0.00011	0.00156	3.235	0.000313
12:32:13.701	-11	0.00003	0.0001	0.00197	3.16	0.000306
12:32:14.701	-11	0.00002	0.00008	0.00212	3.485	0.000337
12:32:15.701	-11	0.00002	0.00009	0.00204	3.878	0.000375
12:32:16.701	-11	0.00002	0.00007	0.00204	4.241	0.00041
12:32:17.701	-11	0.00002	0.00012	0.00215	4.478	0.000433
12:32:18.701	-11	0.00002	0.00001	0.00208	4.474	0.000432
12:32:19.701	-11	0.00002	0.00006	0.00175	4.269	0.000412
12:32:20.701	-11	0.00002	0.00004	0.00192	4.242	0.00041
12:32:21.701	-11	0.00002	0.00005	0.00199	4.219	0.000408
12:32:22.701	-11	0.00002	0.00005	0.00194	4.137	0.0004
12:32:23.701	-11	0.00002	0.00004	0.00209	4.329	0.000418
12:32:24.701	-11	0.00002	0.00007	0.00259	5.095	0.000492
12:32:25.701	-11	0.00002	0.00003	0.00284	6.69	0.000646
12:32:26.701	-11	0.00002	0.00006	0.00217	6.678	0.000645
12:32:27.701	-11	0.00001	0.00002	0.00159	5.22	0.000504
12:32:28.701	-11	0.00001	0.00003	0.00146	3.307	0.000319
12:32:29.701	-11	0.00001	0.00003	0.00119	1.817	0.000176
12:32:30.701	-11	0	0.00001	0.00116	1.576	0.000152
12:32:31.701	-11	0	0.00004	0.00081	1.294	0.000125
12:32:32.701	-11	0	0.00002	0.00049	0.935	0.00009
12:32:33.701	-11	0	0.00003	0.00049	0.607	0.000059
12:32:34.701	-11	0	0.00001	0.00059	0.394	0.000038
12:32:35.701	-11	0	0.00001	0.00059	0.296	0.000029

1.8	4.00E-01	-0.500	0.500	0.000	0.398	5.800
3.8	5.00E-01	0.200	0.500	0.126	0.394	2.200
10.1	2.50E+00	2.600	0.500	2.068	0.418	3.300
12	4.80E+00	5.500	0.600	4.320	0.472	2.800
17.7	1.07E+01	12.900	0.700	10.163	0.521	2.100
19.5	1.55E+01	18.800	0.900	14.831	0.710	5.400
25.5	1.68E+01	20.300	0.900	16.106	0.713	2.300
26	1.39E+01	16.600	0.900	13.171	0.712	5.600
27.6	8.70E+00	10.100	0.900	7.966	0.709	1.400
27.6	5.20E+00	5.800	0.900	4.528	0.706	5.500
27.7	3.60E+00	3.700	0.900	2.933	0.705	6.900
27.7	2.70E+00	2.500	0.900	1.952	0.700	9.700
27.7	2.40E+00	2.200	0.900	1.705	0.698	5.200
28.1	2.40E+00	2.200	0.900	1.707	0.698	0.300
29.5	2.90E+00	2.800	0.900	2.173	0.677	4.800
29.9	3.70E+00	3.900	0.800	3.094	0.631	2.000
31.3	4.00E+00	4.300	0.800	3.407	0.638	5.500
31.1	3.60E+00	3.800	0.700	3.041	0.560	6.100
30.4	2.70E+00	2.700	0.700	2.132	0.557	8.400
30.4	1.90E+00	1.700	0.700	1.391	0.557	9.000
30.2	1.30E+00	0.900	0.700	0.728	0.537	6.200
30.1	9.00E-01	0.600	0.600	0.455	0.480	10.700
29.9	8.00E-01	0.500	0.600	0.372	0.476	5.200
29.9	8.00E-01	0.400	0.600	0.318	0.477	8.500
29.9	6.00E-01	0.300	0.500	0.239	0.398	7.200
30	5.00E-01	0.200	0.500	0.136	0.397	5.900
30.3	5.00E-01	0.100	0.500	0.079	0.395	6.400
30.2	4.00E-01	0.100	0.500	0.055	0.394	4.700
29.9	4.00E-01	-0.100	0.500	0.000	0.394	7.200
30.2	4.00E-01	-0.200	0.500	0.000	0.393	0.500
31.1	4.00E-01	-0.100	0.500	0.000	0.393	3.700
31.1	4.00E-01	-0.300	0.500	0.000	0.393	2.300
31.2	4.00E-01	-0.400	0.500	0.000	0.370	3.300
31.3	3.00E-01	-0.400	0.400	0.000	0.314	3.200
31.5	3.00E-01	-0.400	0.400	0.000	0.314	2.700
31.6	3.00E-01	-0.400	0.400	0.000	0.313	4.200
31.8	3.00E-01	-0.400	0.400	0.000	0.311	1.500
32.1	3.00E-01	-0.300	0.400	0.000	0.287	2.800
32.9	2.00E-01	-0.100	0.300	0.000	0.234	1.400
33	2.00E-01	0.000	0.300	0.000	0.236	2.200
33.3	3.00E-01	0.100	0.300	0.079	0.237	3.900
32.8	2.00E-01	0.100	0.200	0.079	0.158	1.000
31.2	2.00E-01	0.100	0.200	0.080	0.160	7.800
30.4	2.00E-01	0.100	0.200	0.081	0.162	3.300
27.8	2.00E-01	0.100	0.200	0.082	0.165	6.800
26.8	2.00E-01	0.100	0.200	0.083	0.167	2.400
23.5	2.00E-01	0.100	0.100	0.084	0.084	3.100

188.6	95.84124	2129	7.964	82.6	267.86051	289.516384
188.8	105.98267	2171	11.722	76.8	274.147495	328.753946
189.2	115.59446	2416	15.448	76.6	279.209771	366.908991
189.5	137.97366	2485	19.169	78.1	282.750522	393.535955
189.9	137.6458	2546	22.976	79.5	297.647172	420.969412
190.3	91.28036	2267	26.15	77.4	302.128858	424.565873
	42.68637	1738	26.7	69	296.46263	412.2952
	40.16967	1508	26.7	84.1	292.015866	397.4
	39.52286	1513	26.7	85.4	289.686992	397.195306
	35.16166	1509	26.7	75.4	290.83875	394.874706
	43.85837	1508	26.7	86.8	286.558061	391.364158
192.4	51.31031	1539	27.32	84.2	287.281417	404.887622
192.8	56.19081	1583	27.613	85.3	310.966125	409.70712
193.2	69.27307	1681	29.376	79.5	313.511377	425.077062
193.6	32.88867	1703	30.254	55.5	318.81023	423.302232
193.9	24.92542	1685	29.81	52.5	319.011715	398.035294
194	26.03038	1663	29.19	58.9	303.983333	378.662174
194	31.91769	1666	29.19	76.6	300.840192	368.699001
194	26.71678	1660	29.19	39.2	294.966053	357.409197
194	25.23292	1628	28.57	47.9	280.956309	341.234476
	35.13491	1628	28.57	70.9	271.052552	336.142391
	34.19833	1643	29.19	68.6	272.941825	339.086863
	29.11147	1643	29.139	43.6	275.299615	335.7426
	29.27662	1472	28.57	58.2	273.270436	332.642886
	28.12969	1386	29.19	74.6	272.855299	333.772997
	29.18377	1390	29.19	72.5	276.182049	336.391368
	30.49027	1397	29.19	71.8	278.170058	337.932867
	32.27451	1398	29.217	72.5	278.951058	340.833697
	35.43319	1415	29.81	78.8	281.23811	346.129394
	33.23211	1431	29.81	75.5	282.94952	350.3189
194	29.74335	1436	29.81	73.1	286.945455	351.912667
194	32.68714	1441	29.81	70.5	282.629576	353.20044
194	32.64789	1446	30.43	76.9	285.32983	355.28598
194	29.6012	1448	30.43	74.4	285.325156	356.1
194	31.91911	1447	30.43	75.4	286.5725	357.089521
	39.20832	1476	31.05	85.6	288.0725	366.3647
	45.17589	1502	31.121	83	292.47375	379.129271
	44.91381	1521	31.747	80.7	296.765259	388.411474
	30.43937	1527	32.29	81.3	299.125204	385.476789
	26.84168	1509	31.602	54.5	299.436944	374.956152
194	12.87055	1456	30.378	0.7	298.485377	356.025249
194	12.25809	1390	29.139	0	293.808092	336.0063
194	11.58169	1308	27.272	0	289.580614	319.6233
194	10.88639	1232	25.871	0	285.197803	305.771011
194	10.0937	1135	23.787	0	280.113208	293.986957
194	9.87396	1137	20.559	1.2	279.480636	283.780307
194	9.1844	1031	17.654	4.3	277.855125	275.132209

0.32737	0.32095	6.40827	10516.161
0.32746	0.32106	6.41614	10529.45
0.32792	0.32124	6.42285	10544.619
0.32883	0.3214	6.43005	10560.59
0.33104	0.32153	6.4394	10578.068
0.33312	0.32175	6.4455	10588.823
0.33422	0.32179	6.44878	10593.843
0.33514	0.3219	6.45242	10598.999
0.3357	0.32193	6.45605	10604.3
0.33601	0.32203	6.45911	10609.366
0.33626	0.32217	6.46234	10615.404
0.33647	0.32241	6.46679	10623.084
0.3367	0.32256	6.47069	10632.396
0.33696	0.32257	6.4753	10642.839
0.33714	0.32266	6.47775	10648.709
0.3373	0.32269	6.47928	10652.124
0.33748	0.32276	6.48113	10655.24
0.33765	0.32285	6.48335	10658.509
0.33777	0.32296	6.4854	10661.744
0.33785	0.32308	6.48686	10664.848
0.33791	0.32317	6.48908	10668.093
0.33796	0.32334	6.492	10671.622
0.338	0.32342	6.49436	10675.358
0.33804	0.32353	6.49592	10678.593
0.33807	0.32363	6.49789	10681.753
0.33809	0.32371	6.50001	10685.238
0.33811	0.3238	6.50205	10689.116
0.33813	0.32387	6.50409	10693.357
0.33815	0.32399	6.50624	10697.835
0.33817	0.324	6.50832	10702.309
0.33819	0.32406	6.51007	10706.578
0.33821	0.3241	6.51199	10710.82
0.33823	0.32415	6.51398	10715.039
0.33825	0.3242	6.51592	10719.176
0.33827	0.32424	6.51801	10723.505
0.33829	0.32431	6.5206	10728.6
0.33831	0.32434	6.52344	10735.29
0.33833	0.3244	6.52561	10741.968
0.33834	0.32442	6.5272	10747.188
0.33835	0.32445	6.52866	10750.495
0.33836	0.32448	6.52985	10752.312
0.33836	0.32449	6.53101	10753.888
0.33836	0.32453	6.53182	10755.182
0.33836	0.32455	6.53231	10756.117
0.33836	0.32458	6.5328	10756.724
0.33836	0.32459	6.53339	10757.118
0.33836	0.3246	6.53398	10757.414

12:32:36.701	-11	0	0.00002	0.0006	0.3	0.000029
12:32:37.701	-11	0	0.00004	0.00202	0.732	0.000071
12:32:38.701	-11	0.00001	0.0001	0.01106	3.716	0.000361
12:32:39.701	-11	0.00006	0	0.01507	10.246	0.000992
12:32:40.701	-11	0.00049	0.00004	0.00994	12.722	0.00123
12:32:41.701	-11	0.0008	0	0.00591	10.447	0.00101
12:32:42.701	-11	0.00078	0	0.00465	8.295	0.000802
12:32:43.701	-11	0.00061	0	0.00342	6.125	0.000592
12:32:44.701	-11	0.00048	0	0.00287	5.09	0.000492
12:32:45.701	-11	0.00032	0.00001	0.0026	4.541	0.000439
12:32:46.701	-11	0.00014	0	0.0017	2.945	0.000285
12:32:47.701	-11	0.00005	0.00003	0.00097	1.509	0.000146
12:32:48.701	-11	0.00003	0.00001	0.00058	0.987	0.000096
12:32:49.701	-11	0.00002	0.00002	0.00051	0.641	0.000062
12:32:50.701	-11	0.00001	0.00002	0.00061	0.452	0.000044
12:32:51.701	-11	0.00001	0	0.00073	0.34	0.000033
12:32:52.701	-11	0.00002	0.00002	0.00107	0.352	0.000034
12:32:53.701	-11	0.00002	0	0.00113	0.308	0.00003
12:32:54.701	-11	0.00002	0.00002	0.00107	0.259	0.000025
12:32:55.701	-11	0.00002	0.00001	0.00124	0.298	0.000029
12:32:56.701	-11	0.00001	0.00001	0.00106	0.356	0.000035
12:32:57.701	-11	0.00001	0.00002	0.00107	0.453	0.000044
12:32:58.701	-11	0.00001	0	0.0013	0.606	0.000059
12:32:59.701	-11	0.00001	0.00002	0.00155	0.781	0.000076
12:33:00.701	-11	0.00001	0	0.00111	0.926	0.00009
12:33:01.701	-11	0.00001	0.00003	0.00135	1.006	0.000097
12:33:02.701	-11	0.00001	0.00001	0.00129	1.034	0.0001
12:33:03.701	-11	0.00001	0.00005	0.00125	1.041	0.000101
12:33:04.701	-11	0.00001	0.00001	0.00126	1.051	0.000102
12:33:05.701	-11	0.00001	0	0.00126	1.064	0.000103
12:33:06.701	-11	0.00001	0.00001	0.00125	1.067	0.000103
12:33:07.701	-11	0.00001	0.00001	0.00114	1.073	0.000104
12:33:08.701	-11	0.00001	0.00002	0.00112	1.077	0.000104
12:33:09.701	-11	0.00001	0.00001	0.00111	1.073	0.000104
12:33:10.701	-11	0.00001	0.00002	0.00112	1.077	0.000104
12:33:11.701	-11	0.00001	0.00001	0.0011	1.081	0.000105
12:33:12.701	-11	0.00001	0.00001	0.0011	1.078	0.000104
12:33:13.701	-11	0.00001	0.00002	0.0011	1.08	0.000105
12:33:14.701	-11	0.00001	0.00001	0.0011	1.083	0.000105
12:33:15.701	-11	0.00001	0.00003	0.00118	1.085	0.000105
12:33:16.701	-11	0.00001	0.00001	0.00124	1.091	0.000106
12:33:17.701	-11	0.00001	0.00002	0.00124	1.09	0.000106
12:33:18.701	-11	0.00001	0.00002	0.00124	1.084	0.000105
12:33:19.701	-11	0.00001	0.00002	0.00124	1.083	0.000105
12:33:20.701	-11	0.00001	0.00005	0.00123	1.084	0.000105
12:33:21.701	-11	0.00001	0.00001	0.00124	1.092	0.000106
12:33:22.701	-11	0.00001	0.00004	0.00123	1.087	0.000105

22	2.00E-01	0.100	0.100	0.084	0.084	4.200
17.4	1.00E-01	0.000	0.100	0.000	0.084	2.700
16.9	1.00E-01	0.000	0.100	0.000	0.082	3.300
15.5	4.00E-01	0.300	0.100	0.276	0.103	-0.900
16.4	3.10E+00	3.700	0.300	2.890	0.237	0.900
19.6	6.20E+00	7.500	0.300	5.920	0.237	-1.800
21.3	7.60E+00	9.300	0.300	7.321	0.237	-0.400
26.7	8.00E+00	9.900	0.300	7.802	0.236	0.000
27.5	7.60E+00	9.400	0.300	7.377	0.237	-0.900
30	5.60E+00	6.800	0.300	5.369	0.237	0.600
30.5	3.70E+00	4.300	0.300	3.413	0.237	0.400
32.2	2.20E+00	2.500	0.300	1.987	0.240	4.600
31.3	1.50E+00	1.500	0.300	1.228	0.244	2.300
28.5	1.10E+00	1.000	0.300	0.823	0.247	3.100
27.1	9.00E-01	0.800	0.300	0.664	0.249	4.000
22.6	9.00E-01	0.800	0.300	0.668	0.250	0.000
21	9.00E-01	0.800	0.300	0.671	0.252	2.800
15.7	8.00E-01	0.700	0.300	0.589	0.253	-0.800
14.2	8.00E-01	0.700	0.300	0.590	0.253	2.800
9.4	7.00E-01	0.500	0.300	0.421	0.253	1.800
8.1	6.00E-01	0.400	0.300	0.336	0.252	2.100
4.1	5.00E-01	0.300	0.300	0.251	0.251	2.900
3.1	5.00E-01	0.300	0.300	0.224	0.250	0.000
0	4.00E-01	0.200	0.300	0.140	0.248	2.200
0	2.00E-01	0.000	0.300	0.000	0.246	0.100
0	2.00E-01	0.000	0.300	0.000	0.246	3.700
0	2.00E-01	0.000	0.300	0.000	0.245	1.200
0	2.00E-01	0.000	0.300	0.000	0.245	7.500
0	2.00E-01	-0.100	0.300	0.000	0.245	1.200
0	2.00E-01	-0.200	0.300	0.000	0.245	-2.800
0	2.00E-01	-0.300	0.300	0.000	0.245	1.100
0	2.00E-01	-0.300	0.300	0.000	0.245	1.900
0	2.00E-01	-0.300	0.300	0.000	0.245	3.400
0	2.00E-01	-0.300	0.300	0.000	0.245	1.800
0	2.00E-01	-0.300	0.300	0.000	0.245	2.600
0	2.00E-01	-0.400	0.300	0.000	0.245	2.100
0	2.00E-01	-0.400	0.300	0.000	0.245	0.700
0	2.00E-01	-0.400	0.300	0.000	0.245	2.800
0	2.00E-01	-0.400	0.300	0.000	0.245	1.500
0	2.00E-01	-0.400	0.300	0.000	0.245	3.800
0	2.00E-01	-0.400	0.300	0.000	0.245	1.700
0	2.00E-01	-0.400	0.300	0.000	0.245	2.500
0	2.00E-01	-0.400	0.300	0.000	0.245	2.100
0	2.00E-01	-0.400	0.300	0.000	0.245	2.100
0	2.00E-01	-0.400	0.300	0.000	0.245	6.800
0	2.00E-01	-0.500	0.300	0.000	0.245	1.100
0	2.00E-01	-0.500	0.300	0.000	0.245	5.500

194	9.76426	1128	15.204	8.8	277.483835	268.055434
194	23.91833	1244	14.305	55	275.071443	265.84582
194	67.58974	1841	15.201	86.3	280.072365	293.413261
	95.58039	2166	18.437	81.3	307.368367	355.093261
	101.14462	2240	22.136	77.7	323.966667	388.548915
	83.77823	2144	24.836	79.3	330.205882	402.535946
	66.69843	1913	27.548	72.3	339.976994	411.2
	50.18452	1665	28.771	70.4	338.2389	409.457804
192.2	38.624	1707	30.087	77.9	343.144444	402.915385
192.2	37.26973	1729	30.43	57.9	345.997505	393.208696
192.2	17.70764	1499	30.686	30.6	336.45	370.013636
192.2	12.40577	1365	28.595	0	311.207721	345.910989
192.2	11.36519	1248	26.213	0	307.03453	328.264142
192.2	10.24649	1108	23.162	0	301.717457	313.448968
192.2	9.996	1114	19.242	0.7	295.916824	300.881345
192.2	9.35242	1059	16.294	7.8	292.1	290.470934
192.2	15.92285	962	13.345	9.7	290.274419	281.9599
	14.92561	892	10.138	12.7	288.721402	273.415083
	13.86854	800	7.252	23	288.235	266.226765
	14.97059	813	5.075	33.3	286.954244	263.134634
	14.72735	763	2.695	33.4	287.114523	261.561798
	15.2723	802	1.066	41.7	286.534579	262.734932
192.3	14.83302	782	0	39	285.552636	263.774743
192.6	15.0305	781	0	38	284.507263	264.384
193	15.01492	776	0	38.1	284.209756	264.6
193.4	14.87762	781	0	38.4	283.667879	264.232278
193.7	14.97	778	0	38.5	285.063488	264
194	14.84719	775	0	38.8	287.669053	263.477979
194	14.82667	780	0	38.8	287.807264	263.3
194	14.56946	778	0	38.7	287.246328	262.200695
194	14.94483	780	0	38.6	286.895132	261.8
194	14.74672	781	0	39.2	287.22809	260.838462
193.9	14.89246	778	0	39.1	286.469202	259.997856
193.5	14.83	784	0	38.8	288.28125	259.253846
193.1	14.77418	779	0	38.5	290.158625	258.577693
192.7	14.98238	777	0	38	283.606889	257.722393
192.3	14.70417	780	0	38.6	277.546939	256.960806
192.2	14.74234	776	0	38.8	277.457965	255.893791
192.2	14.74301	784	0	38.5	276.567803	255
192.2	14.86285	777	0	38.8	275.938229	254.373684
192.2	14.8316	780	0	39.2	275.02375	253.6
192.2	14.83605	779	0	38.9	274.871734	253.011505
192.2	14.86284	777	0	39.6	279.931132	251.926413
192.2	14.98023	780	0	39.6	283.3619	251.6
192.2	14.8727	777	0	39.4	286.387404	251.156136
192.2	14.82015	777	0	40	286.680871	249.952039
192.2	14.72347	776	0	40.2	285.668053	249.6

0.33836	0.32462	6.53458	10757.714
0.33836	0.32466	6.5366	10758.446
0.33837	0.32476	6.54766	10762.162
0.33843	0.32476	6.56273	10772.408
0.33892	0.3248	6.57267	10785.13
0.33972	0.3248	6.57858	10795.577
0.3405	0.3248	6.58323	10803.872
0.34111	0.3248	6.58665	10809.997
0.34159	0.3248	6.58952	10815.087
0.34191	0.32481	6.59212	10819.628
0.34205	0.32481	6.59382	10822.573
0.3421	0.32484	6.59479	10824.082
0.34213	0.32485	6.59537	10825.069
0.34215	0.32487	6.59588	10825.71
0.34216	0.32489	6.59649	10826.162
0.34217	0.32489	6.59722	10826.502
0.34219	0.32491	6.59829	10826.854
0.34221	0.32491	6.59942	10827.162
0.34223	0.32493	6.60049	10827.421
0.34225	0.32494	6.60173	10827.719
0.34226	0.32495	6.60279	10828.075
0.34227	0.32497	6.60386	10828.528
0.34228	0.32497	6.60516	10829.134
0.34229	0.32499	6.60671	10829.915
0.3423	0.32499	6.60782	10830.841
0.34231	0.32502	6.60917	10831.847
0.34232	0.32503	6.61046	10832.881
0.34233	0.32508	6.61171	10833.922
0.34234	0.32509	6.61297	10834.973
0.34235	0.32509	6.61423	10836.037
0.34236	0.3251	6.61548	10837.104
0.34237	0.32511	6.61662	10838.177
0.34238	0.32513	6.61774	10839.254
0.34239	0.32514	6.61885	10840.327
0.3424	0.32516	6.61997	10841.404
0.34241	0.32517	6.62107	10842.485
0.34242	0.32518	6.62217	10843.563
0.34243	0.3252	6.62327	10844.643
0.34244	0.32521	6.62437	10845.726
0.34245	0.32524	6.62555	10846.811
0.34246	0.32525	6.62679	10847.902
0.34247	0.32527	6.62803	10848.992
0.34248	0.32529	6.62927	10850.076
0.34249	0.32531	6.63051	10851.159
0.3425	0.32536	6.63174	10852.243
0.34251	0.32537	6.63298	10853.335
0.34252	0.32541	6.63421	10854.422

12:33:23.701	-11	0.00001	0.00002	0.00123	1.089	0.000106
12:33:24.701	-11	0.00001	0.00001	0.00135	1.192	0.000115
12:33:25.701	-11	0.00001	0	0.0014	1.237	0.00012
12:33:26.701	-11	0.00001	0	0.00151	1.371	0.000133
12:33:27.701	-11	0.00001	0	0.00301	2.912	0.000282
12:33:28.701	-11	0.00002	0	0.00531	6.021	0.000583
12:33:29.701	-11	0.00003	0.00006	0.00621	7.313	0.000707
12:33:30.701	-11	0.00004	0.00001	0.00398	6.436	0.000622
12:33:31.701	-11	0.00012	0.00005	0.00471	7.121	0.000689
12:33:32.701	-11	0.00015	0.00004	0.00405	7.573	0.000732
12:33:33.701	-11	0.00019	0.00003	0.00282	6.968	0.000673
12:33:34.701	-11	0.00017	0.00007	0.00216	5.815	0.000562
12:33:35.701	-11	0.00013	0	0.00191	4.291	0.000415
12:33:36.701	-11	0.0001	0.0001	0.00167	3.3	0.000319
12:33:37.701	-11	0.00007	0.00004	0.00143	2.779	0.000269
12:33:38.701	-11	0.00005	0.00005	0.00148	2.473	0.000239
12:33:39.701	-11	0.00004	0.00008	0.00131	2.344	0.000227
12:33:40.701	-11	0.00003	0.0001	0.00134	2.101	0.000203
12:33:41.701	-11	0.00002	0.00013	0.00181	1.962	0.00019
12:33:42.701	-11	0.00001	0.00005	0.00144	1.891	0.000183
12:33:43.701	-11	0.00001	0.00013	0.00148	1.843	0.000178
12:33:44.701	-11	0.00001	0.00007	0.0013	1.232	0.000119
12:33:45.701	-11	0.00001	0.00006	0.00126	0.928	0.00009
12:33:46.701	-11	0.00001	0.00005	0.00162	1.214	0.000118
12:33:47.701	-11	0.00002	0.00007	0.00145	1.028	0.0001
12:33:48.701	-11	0.00001	0.00007	0.00128	0.764	0.000074
12:33:49.701	-11	0.00001	0.00002	0.00119	0.718	0.00007
12:33:50.701	-11	0.00001	0.00005	0.00128	0.791	0.000077
12:33:51.701	-11	0.00001	0.00004	0.00129	0.928	0.00009
12:33:52.701	-11	0.00002	0.00013	0.00151	1.041	0.000101
12:33:53.701	-11	0.00001	0.0001	0.00103	0.629	0.000061
12:33:54.701	-11	0.00001	0.00007	0.00106	0.523	0.000051
12:33:55.701	-11	0.00001	0.00007	0.00089	0.49	0.000048
12:33:56.701	-11	0.00001	0.00004	0.00092	0.425	0.000041
12:33:57.701	-11	0.00001	0.00006	0.00102	0.324	0.000032
12:33:58.701	-11	0.00001	0.00003	0.00103	0.217	0.000021
12:33:59.701	-11	0.00001	0.00004	0.00094	0.168	0.000016
12:34:00.701	-11	0.00001	0.00003	0.00095	0.148	0.000014
12:34:01.701	-11	0.00001	0.00002	0.00095	0.136	0.000013
12:34:02.701	-11	0.00001	0.00003	0.00109	0.138	0.000014
12:34:03.701	-11	0.00001	0	0.00163	0.214	0.000021
12:34:04.701	-11	0.00002	0.00007	0.00319	0.557	0.000054
12:34:05.701	-11	0.00003	0.00005	0.00536	2.098	0.000204
12:34:06.701	-11	0.00003	0.00013	0.00517	3.388	0.000328
12:34:07.701	-11	0.00004	0.00009	0.00448	5.19	0.000502
12:34:08.701	-11	0.00005	0.00006	0.00398	7.04	0.00068
12:34:09.701	-11	0.00006	0.00008	0.00329	7.896	0.000762

0	2.00E-01	-0.600	0.300	0.000	0.245	2.400	192.2	14.7958	776	0	40.8	285.454757	249.1674
0	2.00E-01	-0.600	0.300	0.000	0.245	1.000	192.2	16.59774	819	0.14	41.2	284.504587	248.51
0	2.00E-01	-0.600	0.300	0.000	0.245	-0.600	192.2	16.9505	864	1.556	42.8	291.524082	249.421473
0.6	2.00E-01	-0.700	0.300	0.000	0.244	-2.100	192.2	19.28259	982	2.934	51.7	288.070833	250.278649
2.5	2.00E-01	-0.700	0.300	0.000	0.243	0.000		25.69077	1388	4.809	71.4	289.58398	254.774437
3.4	2.00E-01	-0.700	0.300	0.000	0.239	0.000		51.72125	1909	8.363	76.8	292.389375	285.6222
6.4	3.00E-01	-0.500	0.400	0.000	0.317	2.000		60.4754	1908	11.257	71.9	295.537323	305.528024
8	5.00E-01	0.200	0.400	0.149	0.317	0.300		48.40184	1832	13.986	72.8	297.6567	318.739794
13.1	1.20E+00	1.200	0.400	0.919	0.317	1.900		69.21581	1839	16.421	78.1	298.489583	332.298338
14.3	1.60E+00	1.600	0.400	1.278	0.315	1.500	192.2	56.85749	1900	18.854	79.1	298.363609	349.276326
18.3	2.20E+00	2.500	0.400	1.933	0.314	1.000	192.2	52.18525	1911	21.488	79.9	303.493542	358.4
19.6	2.40E+00	2.600	0.400	2.047	0.315	3.300	192.2	43.20319	1905	23.378	78.5	304.474165	358.4
23.6	2.30E+00	2.600	0.400	2.028	0.316	0.200	192.2	37.55029	1703	24.876	72.5	309.833196	357.036226
24.1	2.30E+00	2.500	0.400	1.949	0.316	7.500	192.2	24.73836	1457	25.624	59.1	317.660668	351.001402
25.8	1.90E+00	2.000	0.400	1.612	0.316	3.300		22.68467	1491	26.08	52	313.089474	340.093732
26.2	1.50E+00	1.500	0.400	1.224	0.318	5.100		20.93197	1502	26.7	34.6	307.074636	326.901567
27.5	1.20E+00	1.100	0.400	0.856	0.320	7.300		21.61056	1490	26.08	44.5	299.819657	311.950153
27.5	9.00E-01	0.700	0.400	0.573	0.322	8.900		23.3318	1516	26.7	42.1	296.657084	302.426462
27.5	5.00E-01	0.300	0.400	0.219	0.324	12.100		23.19908	1520	26.7	41.3	292.539437	293.406957
27.6	4.00E-01	0.100	0.400	0.081	0.324	5.100	192.2	22.3318	1529	26.7	28.6	289.101224	284.249097
28.1	4.00E-01	0.100	0.400	0.081	0.325	11.500	192.2	22.01688	1517	26.7	46.8	284.2532	275.838732
28.1	3.00E-01	0.000	0.400	0.000	0.326	9.200	192.2	13.58192	1513	26.7	8.3	281.095312	267.694
28.1	4.00E-01	0.000	0.500	0.000	0.410	8.300	192.2	12.61813	1488	26.08	0	274.943333	257.321083
27.8	4.00E-01	0.000	0.500	0.000	0.411	5.500	192.2	18.41615	1465	25.735	28.1	271.536549	249.255484
27	4.00E-01	0.000	0.500	0.000	0.416	5.800		25.05766	1461	25.803	39	266.786731	246.241193
26.9	4.00E-01	0.000	0.500	0.000	0.416	8.100		21.76459	1481	26.08	18.9	267.490625	245.486765
26.5	4.00E-01	-0.100	0.500	0.000	0.414	3.100		12.53637	1482	26.08	11.8	266.173642	240.637178
26	4.00E-01	-0.100	0.500	0.000	0.411	8.700		12.44	1477	26.08	14	261.4625	235.317582
24.5	4.00E-01	-0.200	0.500	0.000	0.411	5.300		12.20332	1475	26.08	29.6	258.840104	231.256565
25.2	4.00E-01	-0.200	0.500	0.000	0.415	11.200	191.9	24.40205	1486	26.08	24.4	257.817551	228.059484
27.3	4.00E-01	-0.200	0.500	0.000	0.417	12.300	191.5	12.87531	1487	26.08	4.8	256.515528	223.919057
27	4.00E-01	-0.200	0.500	0.000	0.417	10.900	191.2	12.61	1488	26.08	0.1	254.56436	218.165682
26.2	4.00E-01	-0.200	0.500	0.000	0.417	10.500	190.8	12.49	1497	26.08	0	250.314137	213.831925
26.4	4.00E-01	-0.200	0.500	0.000	0.418	6.400	190.4	12.44222	1501	26.426	0	249.909722	210.349457
27.2	4.00E-01	-0.200	0.500	0.000	0.420	10.800	190.4	12.72536	1511	26.7	0	256.241928	207.471875
27.5	4.00E-01	-0.200	0.500	0.000	0.422	5.300	190.4	12.50387	1514	26.7	0	265.966226	204.522307
28.4	4.00E-01	-0.200	0.500	0.000	0.423	6.700	190.4	12.37839	1503	26.549	0	270.545625	201.762486
28.2	4.00E-01	-0.200	0.500	0.000	0.423	4.300	190.4	12.35048	1494	26.08	0	270.101731	199.21504
27.4	4.00E-01	-0.200	0.500	0.000	0.423	2.800		12.26654	1500	26.278	0	269.123608	196.7928
27.4	4.00E-01	-0.200	0.500	0.000	0.424	4.000		12.46009	1510	26.7	7	267.726515	194.502059
27.4	4.00E-01	-0.300	0.500	0.000	0.424	0.300		28.10774	1540	26.868	37.4	265.890787	196.872601
27.6	4.00E-01	-0.400	0.500	0.000	0.447	4.900		31.44712	1610	28.141	62.6	267.020253	211.555918
28.4	5.00E-01	-0.400	0.600	0.000	0.493	3.000		38.07625	1627	29.358	73.2	268.434423	233.584691
29	6.00E-01	-0.400	0.700	0.000	0.563	7.400	190.4	37.0693	1468	30.613	85	273.640162	256.110326
30.8	6.00E-01	-0.400	0.800	0.000	0.632	4.500	190.4	42.39108	1509	31.534	83.1	274.76588	280.769903
31.3	6.00E-01	-0.400	0.800	0.000	0.625	2.700	190.4	55.68552	1549	32.619	85.3	275.905838	311.538478
32.8	7.00E-01	-0.100	0.900	0.000	0.700	3.200	190.4	53.58211	1578	32.91	77.5	283.13727	336.074091

0.34253	0.32543	6.63544	10855.511
0.34254	0.32544	6.63679	10856.703
0.34255	0.32544	6.63819	10857.94
0.34256	0.32544	6.6397	10859.311
0.34257	0.32544	6.64271	10862.223
0.34259	0.32544	6.64802	10868.244
0.34262	0.3255	6.65423	10875.557
0.34266	0.32551	6.65821	10881.993
0.34278	0.32556	6.66292	10889.114
0.34293	0.3256	6.66697	10896.687
0.34312	0.32563	6.66979	10903.655
0.34329	0.3257	6.67195	10909.47
0.34342	0.3257	6.67386	10913.761
0.34352	0.3258	6.67553	10917.061
0.34359	0.32584	6.67696	10919.84
0.34364	0.32589	6.67844	10922.313
0.34368	0.32597	6.67975	10924.657
0.34371	0.32607	6.68109	10926.758
0.34373	0.3262	6.6829	10928.72
0.34374	0.32625	6.68434	10930.611
0.34375	0.32638	6.68582	10932.454
0.34376	0.32645	6.68712	10933.686
0.34377	0.32651	6.68838	10934.614
0.34378	0.32656	6.69	10935.828
0.3438	0.32663	6.69145	10936.856
0.34381	0.3267	6.69273	10937.62
0.34382	0.32672	6.69392	10938.338
0.34383	0.32677	6.6952	10939.129
0.34384	0.32681	6.69649	10940.057
0.34386	0.32694	6.698	10941.098
0.34387	0.32704	6.69903	10941.727
0.34388	0.32711	6.70009	10942.25
0.34389	0.32718	6.70098	10942.74
0.3439	0.32722	6.7019	10943.165
0.34391	0.32728	6.70292	10943.489
0.34392	0.32731	6.70395	10943.706
0.34393	0.32735	6.70489	10943.874
0.34394	0.32738	6.70584	10944.022
0.34395	0.3274	6.70679	10944.158
0.34396	0.32743	6.70788	10944.296
0.34397	0.32743	6.70951	10944.51
0.34399	0.3275	6.7127	10945.067
0.34402	0.32755	6.71806	10947.165
0.34405	0.32768	6.72323	10950.553
0.34409	0.32777	6.72771	10955.743
0.34414	0.32783	6.73169	10962.783
0.3442	0.32791	6.73498	10970.679

12:34:10.701	-11	0.00009	0	0.00216	5.681	0.000549
12:34:11.701	-11	0.0001	0.00007	0.00194	4.165	0.000402
12:34:12.701	-11	0.00008	0.00002	0.00228	3.434	0.000332
12:34:13.701	-11	0.00007	0.00007	0.00209	2.848	0.000275
12:34:14.701	-11	0.00005	0.00004	0.0016	2.11	0.000204
12:34:15.701	-11	0.00003	0.00006	0.0012	1.518	0.000147
12:34:16.701	-11	0.00002	0.00006	0.00097	1.235	0.00012
12:34:17.701	-11	0.00002	0.00004	0.00068	0.987	0.000095
12:34:18.701	-11	0.00001	0.00005	0.00051	0.748	0.000072
12:34:19.701	-11	0.00001	0.00003	0.00059	0.555	0.000054
12:34:20.701	-11	0.00001	0.00004	0.00048	0.398	0.000039
12:34:21.701	-11	0.00001	0.00002	0.00063	0.283	0.000027
12:34:22.701	-11	0.00001	0.00002	0.00088	0.217	0.000021
12:34:23.701	-11	0.00001	0.00002	0.0009	0.182	0.000018
12:34:24.701	-11	0.00001	0	0.00064	0.158	0.000015
12:34:25.701	-11	0.00001	0.00002	0.00072	0.138	0.000014
12:34:26.701	-11	0.00001	0.00001	0.00073	0.122	0.000012
12:34:27.701	-11	0.00001	0.00003	0.00076	0.108	0.000011
12:34:28.701	-11	0.00001	0.00001	0.00079	0.094	0.000009
12:34:29.701	-11	0.00001	0.00001	0.00077	0.091	0.000009
12:34:30.701	-11	0.00001	0.00002	0.00076	0.08	0.000008
12:34:31.701	-11	0.00001	0.00002	0.00077	0.073	0.000007
12:34:32.701	-11	0.00001	0.00006	0.00136	0.116	0.000012
12:34:33.701	-11	0.00001	0.00001	0.00101	0.077	0.000009
12:34:34.701	-11	0.00001	0.00003	0.00088	0.067	0.000008
12:34:35.701	-11	0.00001	0.00001	0.00078	0.098	0.00001
12:34:36.701	-11	0.00001	0.00002	0.0006	0.19	0.000018
12:34:37.701	-11	0.00001	0.00002	0.00073	0.235	0.000023
12:34:38.701	-11	0.00001	0.00001	0.00066	0.218	0.000021
12:34:39.701	-11	0.00001	0.00003	0.00067	0.171	0.000017
12:34:40.701	-11	0.00001	0.00001	0.00071	0.149	0.000015
12:34:41.701	-11	0.00001	0.00003	0.00047	0.123	0.000012
12:34:42.701	-11	0.00001	0.00002	0.00085	0.107	0.00001
12:34:43.701	-11	0.00001	0.00003	0.00093	0.135	0.000013
12:34:44.701	-11	0.00001	0.00007	0.00105	0.223	0.000022
12:34:45.701	-11	0.00002	0.00005	0.00291	0.739	0.000072
12:34:46.701	-11	0.00003	0.00015	0.00691	2.792	0.000271
12:34:47.701	-11	0.00004	0.00006	0.00991	6.44	0.000624
12:34:48.701	-11	0.00004	0.00011	0.00732	7.653	0.00074
12:34:49.701	-11	0.00004	0.00003	0.00445	6.301	0.000609
12:34:50.701	-11	0.00007	0.00005	0.00296	4.528	0.000438
12:34:51.701	-11	0.00006	0.00005	0.00195	2.932	0.000284
12:34:52.701	-11	0.00005	0	0.00177	2.304	0.000223
12:34:53.701	-11	0.00005	0.00006	0.00185	1.96	0.00019
12:34:54.701	-11	0.00003	0.00002	0.00135	1.369	0.000133
12:34:55.701	-11	0.00002	0.00005	0.00109	1.202	0.000116
12:34:56.701	-11	0.00002	0.00005	0.00094	1.352	0.000131

33.2	1.30E+00	0.900	0.800	0.705	0.625	0.100
34.3	1.90E+00	1.600	0.800	1.262	0.631	4.600
34.3	1.90E+00	1.600	0.800	1.265	0.633	1.300
34.1	1.90E+00	1.600	0.800	1.266	0.633	6.300
34	1.80E+00	1.500	0.800	1.163	0.634	5.200
33.7	1.50E+00	1.100	0.800	0.881	0.636	8.800
33.5	1.10E+00	0.600	0.800	0.491	0.640	10.800
32.9	9.00E-01	0.300	0.800	0.215	0.646	7.200
32.9	7.00E-01	0.100	0.800	0.082	0.654	10.400
32.9	6.00E-01	0.000	0.700	0.000	0.579	6.100
33.1	6.00E-01	-0.200	0.700	0.000	0.584	6.900
33.6	6.00E-01	-0.300	0.700	0.000	0.588	4.500
33.8	6.00E-01	-0.300	0.700	0.000	0.565	3.300
34.4	5.00E-01	-0.400	0.600	0.000	0.506	3.300
34.5	5.00E-01	-0.500	0.600	0.000	0.507	0.200
35	5.00E-01	-0.500	0.600	0.000	0.507	4.700
34.9	5.00E-01	-0.500	0.600	0.000	0.508	2.000
34.5	5.00E-01	-0.600	0.600	0.000	0.508	5.500
34.1	5.00E-01	-0.600	0.600	0.000	0.508	2.500
32.7	5.00E-01	-0.600	0.600	0.000	0.509	2.900
32.2	5.00E-01	-0.600	0.600	0.000	0.485	4.400
30.8	4.00E-01	-0.600	0.500	0.000	0.423	3.400
30.3	4.00E-01	-0.600	0.500	0.000	0.423	6.800
28.8	4.00E-01	-0.700	0.500	0.000	0.423	1.200
28.3	4.00E-01	-0.700	0.500	0.000	0.423	4.700
26.5	4.00E-01	-0.700	0.500	0.000	0.424	2.500
25.9	4.00E-01	-0.800	0.500	0.000	0.422	3.800
23.8	4.00E-01	-0.800	0.500	0.000	0.420	4.900
23.2	4.00E-01	-0.900	0.500	0.000	0.420	3.200
21.2	4.00E-01	-0.800	0.500	0.000	0.422	6.700
19.9	4.00E-01	-0.800	0.500	0.000	0.423	1.200
15.8	4.00E-01	-0.800	0.500	0.000	0.424	4.700
14.7	4.00E-01	-0.800	0.500	0.000	0.423	2.200
11.3	4.00E-01	-0.800	0.500	0.000	0.424	4.500
10.5	4.00E-01	-0.900	0.500	0.000	0.423	7.600
8.1	4.00E-01	-0.900	0.500	0.000	0.420	3.300
8.2	4.00E-01	-0.900	0.500	0.000	0.411	6.800
8.7	4.00E-01	-0.900	0.500	0.000	0.400	2.100
9.9	4.00E-01	-0.600	0.500	0.000	0.419	3.600
14	5.00E-01	-0.100	0.600	0.000	0.474	1.300
15	1.20E+00	0.900	0.600	0.682	0.477	2.600
18.2	1.40E+00	1.100	0.600	0.881	0.480	3.600
18.4	1.40E+00	1.100	0.600	0.887	0.484	0.100
19.2	1.30E+00	1.100	0.600	0.863	0.484	5.700
19	1.20E+00	0.800	0.600	0.675	0.484	2.200
18.5	9.00E-01	0.500	0.600	0.379	0.484	7.600
17.7	7.00E-01	0.300	0.600	0.216	0.486	6.300

190.4	37.63967	1588	33.5	74.4	286.508265	337.334156
190.6	24.35371	1570	32.91	69.7	284.35	334.25549
191	27.7114	1563	32.91	60.2	282.60982	328.549554
191.3	25.59885	1550	32.374	45.6	280.28375	321.902035
191.7	15.89983	1275	32.29	16.6	279.066458	307.666704
192.1	11.33526	1258	31.67	0.2	278.285132	290.691142
191.9	11.08188	1246	31.67	0	273.669675	275.615475
191.6	10.88744	1250	32.266	0	270.238303	263.709467
191.2	10.81568	1256	31.67	0	265.513333	254.105195
190.8	10.83091	1269	32.29	0	260.483962	244.986561
190.4	11.02	1284	32.29	0	260.10362	236.933007
190.4	11.10754	1300	32.91	0	259.869364	229.98018
190.4	11.15326	1315	33.53	0	261.613793	223.602661
190.4	11.25028	1333	33.802	0	265.944064	217.595222
190.4	11.3	1331	33.53	0	264.240076	213.008155
190.4	11.25758	1316	33.53	0	262.575626	208.138355
190.4	11.11	1301	32.91	0	261.830962	204.413473
190.4	10.87479	1258	32.088	0	260.948362	200.819461
190.4	10.60619	1224	31.05	0	267.778758	197.183431
190.4	10.11534	1185	30.073	0	267.590019	194.258235
	9.90792	1151	29.19	0	266.198459	191.843529
	9.64108	1113	28.239	0.3	266.157514	189.9628
	23.41191	1217	27.011	4.3	264.030684	188.694308
	11.70276	1243	25.737	7.4	266.01609	189.010703
	10.16017	1184	24.515	0	264.580639	187.070693
188.6	9.6496	1152	23.306	0	263.297353	184.714118
188.6	10.65721	1260	22.003	0	263.640229	182.757269
188.6	10.27512	1199	21.213	0	254.541996	180.674338
188.6	9.42501	1068	18.74	4.1	252.348649	178.842227
188.6	9.23519	1121	15.642	6	251.709186	177.053385
188.6	8.86737	1032	13.595	13.5	241.837006	175.581584
188.6	14.56998	995	11.69	16.4	242.184306	173.259742
188.6	13.99314	890	9.653	13.7	234.9736	171.7
188.6	15.4007	803	7.774	21.8	219.85	171.7
188.6	16.93574	837	7.013	28	228.85	173.196
188.6	25.64509	1234	7.45	71.8	238.531154	184.411333
188.6	46.40162	1609	9.503	79.4	250.969712	213.438696
188.6	62.49024	1867	12.117	82.2	260.254974	253.833023
188.6	63.37056	2000	14.988	77.5	264.588679	285.892934
	55.46156	1789	16.481	67.1	264.640655	302.493532
	39.26936	1564	17.72	49.8	264.294701	302.037562
	30.92335	1470	18.01	44	264.221928	293.001564
	25.60093	1471	18.01	51.3	262.982275	284.907692
	20.32815	1332	17.684	36.2	262.54717	276.172277
190.4	13.36974	1094	17.091	19.3	262.363089	261.29383
190.4	8.74827	936	15.583	13.2	261.029637	250.168317
190.4	16.38291	822	12.685	14.8	259.833857	240.783889

0.34429	0.32791	6.73714	10976.36
0.34439	0.32798	6.73908	10980.525
0.34447	0.328	6.74136	10983.959
0.34454	0.32807	6.74345	10986.807
0.34459	0.32811	6.74505	10988.917
0.34462	0.32817	6.74625	10990.435
0.34464	0.32823	6.74722	10991.67
0.34466	0.32827	6.7479	10992.657
0.34467	0.32832	6.74841	10993.405
0.34468	0.32835	6.749	10993.96
0.34469	0.32839	6.74948	10994.358
0.3447	0.32841	6.75011	10994.641
0.34471	0.32843	6.75099	10994.858
0.34472	0.32845	6.75189	10995.04
0.34473	0.32845	6.75253	10995.198
0.34474	0.32847	6.75325	10995.336
0.34475	0.32848	6.75398	10995.458
0.34476	0.32851	6.75474	10995.566
0.34477	0.32852	6.75553	10995.66
0.34478	0.32853	6.7563	10995.751
0.34479	0.32855	6.75706	10995.831
0.3448	0.32857	6.75783	10995.904
0.34481	0.32863	6.75919	10996.02
0.34482	0.32864	6.7602	10996.097
0.34483	0.32867	6.76108	10996.164
0.34484	0.32868	6.76186	10996.262
0.34485	0.3287	6.76246	10996.452
0.34486	0.32872	6.76319	10996.687
0.34487	0.32873	6.76385	10996.905
0.34488	0.32876	6.76452	10997.076
0.34489	0.32877	6.76523	10997.225
0.3449	0.3288	6.7657	10997.348
0.34491	0.32882	6.76655	10997.455
0.34492	0.32885	6.76748	10997.59
0.34493	0.32892	6.76853	10997.813
0.34495	0.32897	6.77144	10998.552
0.34498	0.32912	6.77835	11001.344
0.34502	0.32918	6.78826	11007.784
0.34506	0.32929	6.79558	11015.437
0.3451	0.32932	6.80003	11021.738
0.34517	0.32937	6.80299	11026.266
0.34523	0.32942	6.80494	11029.198
0.34528	0.32942	6.80671	11031.502
0.34533	0.32948	6.80856	11033.462
0.34536	0.3295	6.80991	11034.831
0.34538	0.32955	6.811	11036.033
0.3454	0.3296	6.81194	11037.385

12:34:57.701	-11	0.00002	0.00005	0.00057	1.017	0.000098
12:34:58.701	-11	0.00001	0.00005	0.00071	0.714	0.000069
12:34:59.701	-11	0.00001	0.00002	0.00125	0.603	0.000059
12:35:00.701	-11	0.00001	0.00005	0.00113	0.53	0.000051
12:35:01.701	-11	0.00001	0.00002	0.00125	0.566	0.000055
12:35:02.701	-11	0.00001	0.00004	0.00145	0.659	0.000064
12:35:03.701	-11	0.00001	0.00002	0.00165	0.77	0.000075
12:35:04.701	-11	0.00001	0.00003	0.00162	0.899	0.000087
12:35:05.701	-11	0.00001	0.00004	0.00131	1.004	0.000097
12:35:06.701	-11	0.00001	0.00002	0.0011	1.05	0.000102
12:35:07.701	-11	0.00001	0.00006	0.00122	1.073	0.000104
12:35:08.701	-11	0.00001	0.00002	0.00126	1.086	0.000105
12:35:09.701	-11	0.00001	0.00005	0.00126	1.087	0.000105
12:35:10.701	-11	0.00001	0.00002	0.00124	1.077	0.000104
12:35:11.701	-11	0.00001	0.00002	0.00124	1.074	0.000104
12:35:12.701	-11	0.00001	0.00003	0.00123	1.072	0.000104
12:35:13.701	-11	0.00001	0.00002	0.00124	1.076	0.000104
12:35:14.701	-11	0.00001	0.00004	0.00124	1.076	0.000104
12:35:15.701	-11	0.00001	0.00003	0.00122	1.063	0.000103
12:35:16.701	-11	0.00001	0.00005	0.00124	1.092	0.000106
12:35:17.701	-11	0.00001	0.00003	0.00123	1.088	0.000105
12:35:18.701	-11	0.00001	0.00005	0.00124	1.089	0.000106
12:35:19.701	-11	0.00001	0.00004	0.00123	1.082	0.000105
12:35:20.701	-11	0.00001	0.00003	0.00123	1.085	0.000105
12:35:21.701	-11	0.00001	0.00005	0.00131	1.09	0.000106
12:35:22.701	-11	0.00001	0.00003	0.00137	1.084	0.000105
12:35:23.701	-11	0.00001	0.00004	0.00137	1.091	0.000106
12:35:24.701	-11	0.00001	0.00003	0.00137	1.09	0.000106
12:35:25.701	-11	0.00001	0.00004	0.00137	1.091	0.000106
12:35:26.701	-11	0.00001	0.00004	0.00136	1.084	0.000105
12:35:27.701	-11	0.00001	0.00003	0.00137	1.099	0.000106
12:35:28.701	-11	0.00001	0.00007	0.00137	1.095	0.000106
12:35:29.701	-11	0.00001	0.00003	0.00137	1.095	0.000106
12:35:30.701	-11	0.00001	0.00004	0.00136	1.088	0.000105
12:35:31.701	-11	0.00001	0.00003	0.00136	1.093	0.000106
12:35:32.701	-11	0.00001	0.00001	0.00136	1.091	0.000106
12:35:33.701	-11	0.00001	0.00002	0.00137	1.094	0.000106
12:35:34.701	-11	0.00001	0.00002	0.00136	1.093	0.000106
12:35:35.701	-11	0.00001	0.00005	0.00136	1.088	0.000105
12:35:36.701	-11	0.00001	0.00002	0.00137	1.098	0.000106
12:35:37.701	-11	0.00001	0.00005	0.00136	1.098	0.000106
12:35:38.701	-11	0.00001	0.00002	0.00137	1.099	0.000106
12:35:39.701	-11	0.00001	0.00004	0.00136	1.097	0.000106
12:35:40.701	-11	0.00001	0.00004	0.00137	1.096	0.000106
12:35:41.701	-11	0.00001	0.00003	0.00153	1.227	0.000119
12:35:42.701	-11	0.00001	0.00007	0.00195	1.564	0.000152
12:35:43.701	-11	0.00002	0.00005	0.00394	3.473	0.000336

15.2	7.00E-01	0.200	0.600	0.164	0.492	6.600	190.4	15.31446	849	9.685	18.8	258.741919	232.25841
13.8	6.00E-01	0.100	0.600	0.083	0.470	6.700	190.4	14.26917	792	7.242	24.5	258.364182	224.649216
9.2	4.00E-01	0.000	0.500	0.000	0.416	3.100	190.4	14.93857	814	5.279	32.9	254.251338	221.569149
8.1	4.00E-01	0.000	0.500	0.000	0.417	6.800	190.4	14.82331	761	3.216	36	252.108617	219.6
4.7	4.00E-01	0.000	0.500	0.000	0.417	3.000	190.4	15.44708	807	1.927	39.3	251.992814	219.621212
3.5	4.00E-01	-0.100	0.500	0.000	0.415	5.000	190.4	14.977	782	0.659	40	251.850418	220.261514
0	4.00E-01	-0.100	0.500	0.000	0.413	2.500	190.4	14.8382	782	0	39.6	249.687295	221.555348
0	4.00E-01	-0.100	0.500	0.000	0.411	4.500	190.4	14.61641	778	0	39.7	249.890814	222.055
0	4.00E-01	-0.100	0.500	0.000	0.433	5.300	190.4	14.74685	778	0	40	247.965789	221.54886
0	5.00E-01	-0.100	0.600	0.000	0.490	2.200	190.4	14.67488	779	0	40	246.53102	222.1
0	5.00E-01	-0.200	0.600	0.000	0.490	7.900	190.4	14.77506	775	0	40.3	239.405405	222.1
0	5.00E-01	-0.200	0.600	0.000	0.490	2.400	190.4	15.08643	781	0	40.4	239.118164	222.1
0	5.00E-01	-0.300	0.600	0.000	0.490	6.700	190.4	14.84201	778	0	40.4	238.765625	222.1
0	5.00E-01	-0.300	0.600	0.000	0.490	2.900	190.4	14.90732	778	0	39.7	238.754772	221.890119
0	5.00E-01	-0.300	0.600	0.000	0.490	3.500	190.4	14.74319	781	0	39.9	238.775628	221.5
0	5.00E-01	-0.300	0.600	0.000	0.490	4.800	190.4	14.63852	777	0	40.7	241.15261	221.5
0	5.00E-01	-0.300	0.600	0.000	0.490	2.600	190.4	14.874	782	0	40.8	242.708929	221.5
0	5.00E-01	-0.300	0.600	0.000	0.490	5.700	190.4	14.76769	779	0	40.4	246.338399	221.107261
0	5.00E-01	-0.300	0.600	0.000	0.489	4.000	190.4	14.91775	777	0	40.1	250.292197	220.9
0	5.00E-01	-0.300	0.600	0.000	0.489	7.600	190.4	14.66727	780	0	40.2	252.506135	220.284222
0	5.00E-01	-0.300	0.600	0.000	0.489	4.400	190.4	14.86605	778	0	40.3	252.878491	220.814735
0	5.00E-01	-0.300	0.600	0.000	0.489	6.800	190.4	14.82066	783	0	40.4	248.255906	220.218667
0	5.00E-01	-0.400	0.600	0.000	0.489	5.300	190.4	14.72575	778	0	40.6	246.339293	220.2
0	5.00E-01	-0.400	0.600	0.000	0.489	4.700	190.4	14.70628	781	0	40.7	243.244075	220.11682
0	5.00E-01	-0.400	0.600	0.000	0.489	7.700	190.4	14.82466	782	0	40.6	241.914	219.508824
0	5.00E-01	-0.500	0.600	0.000	0.489	4.400	190.4	14.67365	779	0	41.5	242.311925	219
0	5.00E-01	-0.500	0.600	0.000	0.489	5.800	190.4	14.90349	783	0	41.2	242.466667	219
0	5.00E-01	-0.500	0.600	0.000	0.489	4.800	190.4	14.73612	778	0	40.5	241.748852	218.92028
0	5.00E-01	-0.500	0.600	0.000	0.489	5.500	190.4	14.61343	779	0	40.9	241.295198	218.4
0	5.00E-01	-0.500	0.600	0.000	0.489	5.100	190.4	14.60438	779	0	40.9	237.43937	218.4
0	5.00E-01	-0.500	0.600	0.000	0.489	3.700	190.4	14.75947	777	0	40.5	234.169866	218.155556
0	5.00E-01	-0.500	0.600	0.000	0.464	10.600	190.4	14.69255	780	0	41.5	236.492706	217.6
0	4.00E-01	-0.500	0.500	0.000	0.408	4.100	190.4	14.83329	779	0	40.5	235.696234	217.6
0	5.00E-01	-0.500	0.600	0.000	0.489	6.400	190.4	14.59537	778	0	40.8	235.439355	217.6
0	4.00E-01	-0.500	0.500	0.000	0.408	3.900	190.4	14.61185	779	0	40.4	235.057627	217.6
0	4.00E-01	-0.500	0.500	0.000	0.408	0.700	190.4	14.7835	779	0	40.7	234.424277	217.339701
0	4.00E-01	-0.500	0.500	0.000	0.408	2.600	190.4	14.82283	783	0	40.8	233.83125	217
0	4.00E-01	-0.600	0.500	0.000	0.408	2.800	190.4	14.63	779	0	40.4	232.620882	216.74183
0	4.00E-01	-0.700	0.500	0.000	0.408	7.000	190.4	14.71886	778	0	40.4	238.008607	216.4
0	4.00E-01	-0.700	0.500	0.000	0.408	2.400	190.4	14.62766	780	0	40.4	237.4	216.4
0	4.00E-01	-0.700	0.500	0.000	0.408	7.600	190.4	14.62601	779	0	40.4	236.365217	216.4
0	4.00E-01	-0.700	0.500	0.000	0.408	3.400	190.4	14.69936	782	0	41.2	235.813113	216.4
0	4.00E-01	-0.800	0.500	0.000	0.408	5.800	190.4	14.85132	779	0	40	235.643295	216.0241
0	4.00E-01	-0.900	0.500	0.000	0.408	5.100	190.4	14.69415	779	0	40.1	235.417842	215.364375
0	3.00E-01	-0.900	0.400	0.000	0.326	3.800	190.4	16.16985	824	0	41.8	238.272414	215.932519
0	3.00E-01	-0.900	0.400	0.000	0.326	6.800	190.4	17.86852	988	1.364	51.1	237.752041	218.482002
0	3.00E-01	-0.900	0.400	0.000	0.323	2.500	190.4	36.34154	1507	3.867	88.3	238.223745	232.5948

0.34542	0.32965	6.81251	11038.402
0.34543	0.3297	6.81322	11039.116
0.34544	0.32972	6.81447	11039.719
0.34545	0.32977	6.8156	11040.249
0.34546	0.32979	6.81685	11040.815
0.34547	0.32983	6.8183	11041.474
0.34548	0.32985	6.81995	11042.244
0.34549	0.32988	6.82157	11043.143
0.3455	0.32992	6.82288	11044.147
0.34551	0.32994	6.82398	11045.197
0.34552	0.33	6.8252	11046.27
0.34553	0.33002	6.82646	11047.356
0.34554	0.33007	6.82772	11048.443
0.34555	0.33009	6.82896	11049.52
0.34556	0.33011	6.8302	11050.594
0.34557	0.33014	6.83143	11051.666
0.34558	0.33016	6.83267	11052.742
0.34559	0.3302	6.83391	11053.818
0.3456	0.33023	6.83513	11054.881
0.34561	0.33028	6.83637	11055.973
0.34562	0.33031	6.8376	11057.061
0.34563	0.33036	6.83884	11058.15
0.34564	0.3304	6.84007	11059.232
0.34565	0.33043	6.8413	11060.317
0.34566	0.33048	6.84261	11061.407
0.34567	0.33051	6.84398	11062.491
0.34568	0.33055	6.84535	11063.582
0.34569	0.33058	6.84672	11064.672
0.3457	0.33062	6.84809	11065.763
0.34571	0.33066	6.84945	11066.847
0.34572	0.33069	6.85082	11067.946
0.34573	0.33076	6.85219	11069.041
0.34574	0.33079	6.85356	11070.136
0.34575	0.33083	6.85492	11071.224
0.34576	0.33086	6.85628	11072.317
0.34577	0.33087	6.85764	11073.408
0.34578	0.33089	6.85901	11074.502
0.34579	0.33091	6.86037	11075.595
0.3458	0.33096	6.86173	11076.683
0.34581	0.33098	6.8631	11077.781
0.34582	0.33103	6.86446	11078.879
0.34583	0.33105	6.86583	11079.978
0.34584	0.33109	6.86719	11081.075
0.34585	0.33113	6.86856	11082.171
0.34586	0.33116	6.87009	11083.398
0.34587	0.33123	6.87204	11084.962
0.34589	0.33128	6.87598	11088.435

12:35:44.701	-11	0.00003	0.00018	0.0081	7.477	0.000724
12:35:45.701	-11	0.00004	0.00017	0.00865	10.532	0.001018
12:35:46.701	-11	0.00025	0.00025	0.00667	10.765	0.001041
12:35:47.701	-11	0.00049	0.00016	0.00523	8.756	0.000847
12:35:48.701	-11	0.00065	0.00011	0.006	9.636	0.000931
12:35:49.701	-11	0.00065	0.00024	0.00471	9.55	0.000923
12:35:50.701	-11	0.00049	0.00002	0.00344	7.085	0.000685
12:35:51.701	-11	0.00038	0.00006	0.00316	5.457	0.000528
12:35:52.701	-11	0.00031	0.00001	0.00453	6.319	0.000611
12:35:53.701	-11	0.0003	0.00002	0.00673	8.811	0.000851
12:35:54.701	-11	0.00024	0.00005	0.00418	8.135	0.000785
12:35:55.701	-11	0.00018	0.00007	0.00261	5.789	0.000559
12:35:56.701	-11	0.00017	0.00013	0.00225	4.693	0.000454
12:35:57.701	-11	0.00016	0.00007	0.00245	4.367	0.000422
12:35:58.701	-11	0.00013	0.00014	0.00252	4.52	0.000437
12:35:59.701	-11	0.00009	0.00008	0.00195	4.44	0.000429
12:36:00.701	-11	0.00008	0.00011	0.00167	4.36	0.000421
12:36:01.701	-11	0.00006	0.0001	0.00153	3.959	0.000382
12:36:02.701	-11	0.00003	0.00009	0.00136	3.093	0.000299
12:36:03.701	-11	0.00002	0.00013	0.00145	2.914	0.000282
12:36:04.701	-11	0.00001	0.00013	0.00191	2.985	0.000289
12:36:05.701	-11	0.00001	0.0002	0.00261	3.803	0.000368
12:36:06.701	-11	0.00001	0.00018	0.00236	5.188	0.000501
12:36:07.701	-11	0.00003	0.00021	0.00391	7.718	0.000745
12:36:08.701	-11	0.00003	0.0002	0.00342	8.911	0.00086
12:36:09.701	-11	0.00006	0.00012	0.00278	8.239	0.000795
12:36:10.701	-11	0.00011	0.00015	0.00294	6.371	0.000615
12:36:11.701	-11	0.00013	0.00006	0.00343	5.099	0.000493
12:36:12.701	-11	0.00013	0.00013	0.00345	5.17	0.0005
12:36:13.701	-11	0.00013	0.00009	0.00341	6.065	0.000586
12:36:14.701	-11	0.00011	0.00014	0.0036	6.517	0.000629
12:36:15.701	-11	0.00009	0.00013	0.00243	5.963	0.000576
12:36:16.701	-11	0.00008	0.0001	0.00171	5.001	0.000483
12:36:17.701	-11	0.00007	0.00011	0.0024	4.554	0.00044
12:36:18.701	-11	0.00006	0.00007	0.00219	4.155	0.000401
12:36:19.701	-11	0.00004	0.00011	0.00208	3.979	0.000384
12:36:20.701	-11	0.00003	0.00005	0.00213	4.062	0.000392
12:36:21.701	-11	0.00003	0.00011	0.00188	4.088	0.000395
12:36:22.701	-11	0.00003	0.0001	0.00172	4.115	0.000397
12:36:23.701	-11	0.00003	0.0001	0.00198	4.296	0.000415
12:36:24.701	-11	0.00003	0.00014	0.00205	4.467	0.000432
12:36:25.701	-11	0.00003	0.00007	0.00198	4.321	0.000417
12:36:26.701	-11	0.00003	0.00006	0.00182	3.959	0.000382
12:36:27.701	-11	0.00003	0.00002	0.00179	3.579	0.000346
12:36:28.701	-11	0.00002	0.00005	0.00168	3.197	0.000309
12:36:29.701	-11	0.00002	0.00004	0.00128	2.499	0.000242
12:36:30.701	-11	0.00001	0.00003	0.0009	1.632	0.000158

1.1	3.00E-01	-0.800	0.400	0.000	0.319	5.400
4.9	3.00E-01	-0.600	0.400	0.000	0.316	4.300
7	1.80E+00	1.900	0.400	1.509	0.316	6.000
13.8	4.30E+00	5.100	0.400	3.996	0.316	4.600
15.2	5.50E+00	6.600	0.400	5.191	0.315	3.100
19.9	5.70E+00	6.900	0.400	5.422	0.314	7.000
21	5.70E+00	6.900	0.300	5.434	0.236	0.600
24.5	5.40E+00	6.500	0.300	5.158	0.237	2.800
25.1	4.20E+00	5.000	0.300	3.922	0.236	0.200
27	3.20E+00	3.900	0.300	3.012	0.233	0.700
27.8	2.90E+00	3.500	0.300	2.689	0.232	2.200
30.3	2.90E+00	3.400	0.300	2.654	0.234	3.600
30.8	3.00E+00	3.500	0.300	2.755	0.236	7.900
32.3	2.90E+00	3.300	0.300	2.638	0.237	4.000
32.6	2.40E+00	2.800	0.300	2.211	0.236	8.800
33.7	1.80E+00	2.000	0.300	1.598	0.235	5.200
34.1	1.60E+00	1.700	0.300	1.338	0.235	7.400
35.2	1.30E+00	1.300	0.300	1.043	0.235	7.400
35.5	8.00E-01	0.800	0.300	0.612	0.236	7.900
36.5	5.00E-01	0.300	0.300	0.270	0.237	11.900
36.4	3.00E-01	0.100	0.300	0.080	0.239	10.300
36	2.00E-01	0.000	0.300	0.000	0.237	13.800
36.1	2.00E-01	0.000	0.300	0.000	0.235	9.900
36.4	3.00E-01	0.000	0.400	0.000	0.311	8.700
36.6	3.00E-01	0.000	0.400	0.000	0.309	7.400
37.3	7.00E-01	0.500	0.400	0.372	0.310	4.800
37.6	1.50E+00	1.500	0.400	1.182	0.313	6.800
38.8	2.10E+00	2.200	0.400	1.756	0.314	3.100
38.8	2.10E+00	2.300	0.400	1.782	0.314	7.000
38.8	1.90E+00	2.000	0.400	1.590	0.312	4.500
38.8	1.70E+00	1.700	0.400	1.348	0.310	7.200
38.8	1.50E+00	1.500	0.400	1.164	0.310	6.900
38.8	1.50E+00	1.500	0.400	1.149	0.313	5.600
38.9	1.30E+00	1.300	0.400	1.020	0.314	7.100
38.9	1.20E+00	1.200	0.400	0.917	0.314	4.800
38.9	1.00E+00	0.800	0.400	0.655	0.314	8.000
38.9	7.00E-01	0.500	0.400	0.392	0.314	3.300
39	6.00E-01	0.400	0.400	0.314	0.314	7.700
39	6.00E-01	0.400	0.400	0.314	0.314	6.600
39	6.00E-01	0.400	0.400	0.290	0.314	6.600
39	5.00E-01	0.300	0.400	0.210	0.339	8.700
39	5.00E-01	0.300	0.400	0.206	0.314	4.400
39	7.00E-01	0.400	0.400	0.314	0.339	4.600
39	7.00E-01	0.400	0.500	0.289	0.392	1.600
38.9	6.00E-01	0.300	0.500	0.212	0.369	4.500
38.7	6.00E-01	0.200	0.500	0.158	0.395	4.100
38.4	5.00E-01	0.100	0.500	0.080	0.373	4.000

190.4	65.63299	1941	8.173	75.7	242.51087	266.567713
190.4	89.25568	2083	11.392	65.4	251.430705	300.9564
190.4	90.90019	2176	15.056	78	255.849133	331.284116
190.5	65.59	1986	17.545	78.6	261.828269	346.125275
190.8	82.64922	2065	20.565	69.2	262.474952	362.007853
191.2	73.4249	2111	22.462	78.9	268.120339	374.809773
191.5	46.035	1917	24.323	71.3	266.757203	372.716301
191.9	43.6596	1547	25.549	88.3	264.994915	370.1
192.2	45.80205	1514	26.771	92.7	265.387861	377.142545
192.2	56.77887	1598	27.986	90	270.595669	392.75257
192.2	56.04648	1688	29.834	78.4	278.084848	400.679624
192.2	38.4614	1708	30.453	78	280.828063	393.2136
192.2	33.39835	1499	31.05	81	268.905569	383.318004
192.3	33.03229	1532	31.898	82.9	249.845019	378.02591
192.7	33.13823	1564	32.91	82.1	239.327586	375.832646
193	28.16058	1599	33.53	78	238.586494	372.868526
193.4	31.28787	1628	34.16	73.8	237.761633	369.758342
193.8	29.67623	1651	34.78	62.6	240.917274	366.611243
194	21.23174	1368	34.78	51.5	242.405104	352.119627
194	22.3639	1374	34.78	76.1	243.697538	342.625692
194	27.5522	1383	34.78	71.4	237.147179	338.553428
194	30.87308	1388	35.4	75.1	250.612474	338.942581
194	39.78478	1387	35.4	84.5	264.1289	344.730911
	51.30278	1411	36.02	84.8	273.507996	363.112267
	55.61766	1442	36.64	82.9	277.098755	382.2424
	53.25331	1471	37.26	75	281.101822	394.888372
	42.11106	1481	37.319	74.6	284.057714	393.405911
	34.06711	1480	37.831	78	279.870564	388.525893
195.8	37.9265	1472	37.26	84	279.85092	387.941822
195.8	41.79355	1476	37.26	88.1	295.394572	395.834603
195.8	47.82041	1482	37.571	75.4	325.116195	406.450448
195.8	38.22287	1481	37.378	79.5	309.557011	406.032665
195.8	33.99828	1482	37.88	78.2	315.751156	399.250642
195.8	32.78688	1480	37.88	78	315.540661	393.724706
195.8	31.20409	1483	37.88	77.3	313.755581	389.691522
195.8	29.44657	1485	37.88	77.2	304.337675	386.016139
195.8	30.80514	1482	37.88	73.7	301.70019	382.097923
195.8	30.38	1477	37.376	74.1	298.521114	378.914631
195.8	30.64148	1478	37.26	74.3	285.586342	376.370921
195.8	32.90734	1479	37.88	76.7	273.569376	375.6
195.8	33.9999	1484	37.88	76.6	264.764194	376.910345
195.8	32.72199	1483	37.88	76.5	275.988037	376.416136
	29.10776	1482	37.88	70.9	274.827041	374.879223
	27.12033	1475	37.26	58.3	273.907287	369.008858
	24.43039	1462	37.26	52.5	272.408896	360.034452
	20.16729	1435	36.64	33.5	272.848765	347.984
	12.32919	1402	35.604	4.5	273.164182	332.832

0.34592	0.33146	6.88408	11095.912
0.34596	0.33163	6.89273	11106.444
0.34621	0.33188	6.8994	11117.209
0.3467	0.33204	6.90463	11125.965
0.34735	0.33215	6.91063	11135.601
0.348	0.33239	6.91534	11145.151
0.34849	0.33241	6.91878	11152.236
0.34887	0.33247	6.92194	11157.693
0.34918	0.33248	6.92647	11164.012
0.34948	0.3325	6.9332	11172.823
0.34972	0.33255	6.93738	11180.958
0.3499	0.33262	6.93999	11186.747
0.35007	0.33275	6.94224	11191.44
0.35023	0.33282	6.94469	11195.807
0.35036	0.33296	6.94721	11200.327
0.35045	0.33304	6.94916	11204.767
0.35053	0.33315	6.95083	11209.127
0.35059	0.33325	6.95236	11213.086
0.35062	0.33334	6.95372	11216.179
0.35064	0.33347	6.95517	11219.093
0.35065	0.3336	6.95708	11222.078
0.35066	0.3338	6.95969	11225.881
0.35067	0.33398	6.96205	11231.069
0.3507	0.33419	6.96596	11238.787
0.35073	0.33439	6.96938	11247.698
0.35079	0.33451	6.97216	11255.937
0.3509	0.33466	6.9751	11262.308
0.35103	0.33472	6.97853	11267.407
0.35116	0.33485	6.98198	11272.577
0.35129	0.33494	6.98539	11278.642
0.3514	0.33508	6.98899	11285.159
0.35149	0.33521	6.99142	11291.122
0.35157	0.33531	6.99313	11296.123
0.35164	0.33542	6.99553	11300.677
0.3517	0.33549	6.99772	11304.832
0.35174	0.3356	6.9998	11308.811
0.35177	0.33565	7.00193	11312.873
0.3518	0.33576	7.00381	11316.961
0.35183	0.33586	7.00553	11321.076
0.35186	0.33596	7.00751	11325.372
0.35189	0.3361	7.00956	11329.839
0.35192	0.33617	7.01154	11334.16
0.35195	0.33623	7.01336	11338.119
0.35198	0.33625	7.01515	11341.698
0.352	0.3363	7.01683	11344.895
0.35202	0.33634	7.01811	11347.394
0.35203	0.33637	7.01901	11349.026

12:36:31.701	-11	0.00001	0.00004	0.00081	1.354	0.000131
12:36:32.701	-11	0.00001	0.00002	0.00089	1.133	0.00011
12:36:33.701	-11	0.00001	0.00007	0.00074	1.11	0.000108
12:36:34.701	-11	0.00001	0.00005	0.00055	0.968	0.000094
12:36:35.701	-11	0.00001	0.00006	0.00085	0.544	0.000053
12:36:36.701	-11	0.00001	0.00004	0.00108	0.432	0.000042
12:36:37.701	-11	0.00001	0.00004	0.00107	0.463	0.000045
12:36:38.701	-11	0.00001	0.00004	0.00102	0.454	0.000044
12:36:39.701	-11	0.00001	0.00002	0.00094	0.355	0.000034
12:36:40.701	-11	0.00001	0.00005	0.00089	0.262	0.000026
12:36:41.701	-11	0.00001	0.00003	0.00082	0.219	0.000021
12:36:42.701	-11	0.00001	0.00009	0.00105	0.243	0.000024
12:36:43.701	-11	0.00001	0.00006	0.00084	0.25	0.000024
12:36:44.701	-11	0.00001	0.00004	0.00089	0.2	0.00002
12:36:45.701	-11	0.00001	0.00005	0.00097	0.213	0.000021
12:36:46.701	-11	0.00001	0.00002	0.001	0.299	0.000029
12:36:47.701	-11	0.00001	0.00007	0.00144	0.553	0.000054
12:36:48.701	-11	0.00002	0.00006	0.00419	2.218	0.000215
12:36:49.701	-11	0.00004	0.00015	0.00894	6.508	0.00063
12:36:50.701	-11	0.00007	0.0001	0.00742	9.587	0.000927
12:36:51.701	-11	0.00033	0.00013	0.00635	11.77	0.001138
12:36:52.701	-11	0.00075	0.00021	0.0061	12.166	0.001176
12:36:53.701	-11	0.00126	0.00006	0.00616	12.681	0.001225
12:36:54.701	-11	0.00168	0.00023	0.0063	13.241	0.001279
12:36:55.701	-11	0.00169	0.00006	0.00561	12.156	0.001174
12:36:56.701	-11	0.00165	0.00013	0.00645	11.382	0.0011
12:36:57.701	-11	0.00151	0.00011	0.00624	10.594	0.001023
12:36:58.701	-11	0.00143	0.00012	0.00542	10.327	0.000997
12:36:59.701	-11	0.00147	0.00014	0.0051	10.63	0.001026
12:37:00.701	-11	0.00141	0	0.00491	10.024	0.000968
12:37:01.701	-11	0.00119	0.00012	0.00393	8.662	0.000837
12:37:02.701	-11	0.00084	0.00003	0.00351	6.968	0.000673
12:37:03.701	-11	0.0005	0.00008	0.00297	5.096	0.000493
12:37:04.701	-11	0.00032	0.00004	0.00267	4.326	0.000418
12:37:05.701	-11	0.00018	0.00007	0.00218	3.634	0.000351
12:37:06.701	-11	0.00011	0.00009	0.00174	2.724	0.000263
12:37:07.701	-11	0.00008	0.00009	0.00131	2.395	0.000232
12:37:08.701	-11	0.00006	0.00014	0.0017	2.463	0.000238
12:37:09.701	-11	0.00005	0.00012	0.00169	2.837	0.000274
12:37:10.701	-11	0.00005	0.00017	0.00141	3.307	0.00032
12:37:11.701	-11	0.00005	0.00014	0.00151	3.9	0.000377
12:37:12.701	-11	0.00005	0.00014	0.00213	4.4	0.000425
12:37:13.701	-11	0.00004	0.00012	0.00197	4.721	0.000456
12:37:14.701	-11	0.00004	0.00008	0.0022	4.959	0.000479
12:37:15.701	-11	0.00003	0.00011	0.00233	4.983	0.000481
12:37:16.701	-11	0.00003	0.00008	0.00245	4.963	0.00048
12:37:17.701	-11	0.00003	0.00012	0.00251	4.931	0.000476

37.5	3.00E-01	0.000	0.400	0.000	0.320	6.900
37	3.00E-01	0.000	0.400	0.000	0.322	4.200
35.2	3.00E-01	0.000	0.400	0.000	0.325	9.600
34.5	3.00E-01	0.000	0.400	0.000	0.331	5.700
32.3	3.00E-01	0.000	0.400	0.000	0.334	7.100
31.7	3.00E-01	0.000	0.400	0.000	0.335	6.400
29.7	3.00E-01	0.000	0.400	0.000	0.334	5.200
28.9	3.00E-01	0.000	0.400	0.000	0.334	6.500
26.4	3.00E-01	-0.100	0.400	0.000	0.335	4.300
25.5	3.00E-01	-0.100	0.400	0.000	0.336	9.400
22.8	3.00E-01	-0.100	0.400	0.000	0.336	7.000
21.4	3.00E-01	-0.100	0.400	0.000	0.337	15.300
16.6	3.00E-01	-0.100	0.400	0.000	0.338	8.600
15.1	3.00E-01	-0.200	0.400	0.000	0.338	5.900
10.2	3.00E-01	-0.200	0.400	0.000	0.338	6.900
9	3.00E-01	-0.200	0.400	0.000	0.337	3.100
5.3	3.00E-01	-0.300	0.400	0.000	0.335	7.600
5	3.00E-01	-0.500	0.400	0.000	0.329	3.600
3.9	3.00E-01	-0.500	0.400	0.000	0.348	4.600
5.4	5.00E-01	-0.200	0.700	0.000	0.524	2.700
10.1	2.20E+00	1.900	0.900	1.510	0.710	2.900
11.7	4.90E+00	5.300	0.900	4.174	0.710	4.500
16.5	8.10E+00	9.400	0.900	7.363	0.708	1.200
17.8	1.06E+01	12.600	0.900	9.869	0.707	4.700
22	1.19E+01	14.400	0.800	11.264	0.627	1.300
23.3	1.28E+01	15.600	0.800	12.161	0.625	3.300
27.4	1.29E+01	15.700	0.800	12.245	0.624	3.200
28.2	1.28E+01	15.700	0.800	12.219	0.623	3.600
30.6	1.29E+01	15.800	0.800	12.288	0.598	4.200
31.2	1.28E+01	15.800	0.700	12.288	0.545	0.000
33	1.22E+01	14.900	0.700	11.614	0.547	4.200
33.5	1.04E+01	12.600	0.700	9.860	0.523	1.200
35.3	8.10E+00	9.700	0.600	7.602	0.472	4.300
35.5	5.80E+00	6.800	0.600	5.338	0.473	2.700
36.1	3.70E+00	4.100	0.600	3.238	0.475	4.800
36.2	2.90E+00	3.000	0.600	2.393	0.477	8.200
36.4	2.20E+00	2.200	0.600	1.765	0.479	8.200
36.4	1.60E+00	1.500	0.500	1.231	0.400	12.200
36.6	1.40E+00	1.300	0.500	1.008	0.397	10.000
36.7	1.20E+00	1.100	0.500	0.846	0.396	12.600
37.1	1.00E+00	0.800	0.500	0.607	0.395	9.000
37.2	8.00E-01	0.600	0.500	0.448	0.394	8.400
37.5	7.00E-01	0.400	0.500	0.314	0.393	7.200
37.8	6.00E-01	0.300	0.500	0.236	0.393	4.500
38.7	5.00E-01	0.200	0.500	0.157	0.393	6.200
38.9	6.00E-01	0.200	0.500	0.157	0.393	4.600
39.6	5.00E-01	0.200	0.500	0.157	0.392	7.000

195.6	11.82874	1356	34.364	0	272.044764	317.50991
195.3	11.23021	1306	33.136	0	271.445833	303.863796
194.9	13.7135	1255	31.814	6.3	273.868252	292.818462
194.5	19.13204	1206	30.395	16.2	274.473347	282.819565
194.1	16.13612	1154	29.06	8	273.22	274.171711
194	12.86067	1096	27.801	3.4	270.791304	266.535987
194	13.00616	1222	25.867	8.8	267.762245	258.732845
194	11.47728	1176	24.644	2.7	266.004082	252.13524
194	10.20305	1176	23.174	0	263.208435	246.493069
194	10.27558	1158	20.088	0	262.130208	242.18834
193.7	9.30583	1045	17.438	1.4	260.51478	237.883712
193.3	9.26069	1018	13.924	15.8	259.719959	234.189941
193	16.17202	873	10.863	15.2	259.522165	231.025475
192.6	13.78209	817	8.232	20.7	258.872417	228.223077
192.2	14.31749	803	5.584	34.2	252.762791	227.959341
192.2	14.99718	804	3.77	31.8	262.317891	229.823308
192.2	17.49898	998	3.11	48.3	261.445455	234.237864
192.2	36.83252	1429	4.852	83.2	264.339366	250.927984
192.2	73.88117	2019	8.415	75.7	274.429213	290.081306
192.2	76.0421	1954	11.043	60.4	293.297723	328.124826
192.2	94.16569	2193	14.629	76.1	305.8	356.948039
192.2	96.31305	2180	17.161	78.8	317.866667	380.987513
192.2	97.17374	2228	19.911	79.9	315.111311	399.251646
192.2	101.54489	2298	22.565	79.2	316.3	415.344851
192.2	96.26797	2174	24.971	82.2	322.997723	428.549802
192.2	83.94825	2006	27.362	85.8	328.724719	439.051115
192.2	74.66918	1699	28.59	83.1	326.46659	443.300646
192.2	68.62229	1719	29.964	90.8	322.182099	447.689592
192.2	71.8048	1793	31.67	84.9	312.304205	452.840323
	68.59104	1853	32.635	81.6	299.633837	452.287065
	61.1024	1908	33.853	75.3	303.080798	448.454706
	50.33848	1946	34.471	75.8	303.13625	441.498801
	44.08387	1970	34.78	74.8	298.117857	431.805618
	31.43353	1678	34.78	57.6	300.481191	418.509598
195.8	30.81774	1669	34.78	47.9	301.585066	402.615996
195.8	26.21495	1660	34.78	51.2	298.836224	384.272418
195.8	22.11954	1384	34.78	60.2	307.114615	374.183152
195.8	23.81194	1391	35.4	57.1	313.566289	366.249049
195.8	24.42755	1395	35.4	56.4	311.690638	360.237843
195.8	26.47827	1406	35.428	65.1	309.221926	356.178204
195.8	32.46354	1420	36.02	74.3	320.02	357.539364
195.8	34.35974	1439	36.64	75.7	327.231928	361.4469
195.8	35.20096	1466	37.074	77.2	322.449133	365.154198
195.8	36.46473	1481	37.703	77.6	325.384783	368.749605
195.8	35.12423	1501	38.299	76.9	328.756497	371.549363
195.8	37.25392	1515	38.5	82.8	330.702064	375.286386
195.8	35.50671	1525	38.5	78.9	335.038983	380.469042

0.35204	0.33641	7.01982	11350.38
0.35205	0.33643	7.02071	11351.513
0.35206	0.3365	7.02145	11352.623
0.35207	0.33655	7.022	11353.591
0.35208	0.33661	7.02285	11354.135
0.35209	0.33665	7.02393	11354.567
0.3521	0.33669	7.025	11355.03
0.35211	0.33673	7.02602	11355.484
0.35212	0.33675	7.02696	11355.839
0.35213	0.3368	7.02785	11356.101
0.35214	0.33683	7.02867	11356.32
0.35215	0.33692	7.02972	11356.563
0.35216	0.33698	7.03056	11356.813
0.35217	0.33702	7.03145	11357.013
0.35218	0.33707	7.03242	11357.226
0.35219	0.33709	7.03342	11357.525
0.3522	0.33716	7.03486	11358.078
0.35222	0.33722	7.03905	11360.296
0.35226	0.33737	7.04799	11366.804
0.35233	0.33747	7.05541	11376.391
0.35266	0.3376	7.06176	11388.161
0.35341	0.33781	7.06786	11400.327
0.35467	0.33787	7.07402	11413.008
0.35635	0.3381	7.08032	11426.249
0.35804	0.33816	7.08593	11438.405
0.35969	0.33829	7.09238	11449.787
0.3612	0.3384	7.09862	11460.381
0.36263	0.33852	7.10404	11470.708
0.3641	0.33866	7.10914	11481.338
0.36551	0.33866	7.11405	11491.362
0.3667	0.33878	7.11798	11500.024
0.36754	0.33881	7.12149	11506.992
0.36804	0.33889	7.12446	11512.088
0.36836	0.33893	7.12713	11516.414
0.36854	0.339	7.12931	11520.048
0.36865	0.33909	7.13105	11522.772
0.36873	0.33918	7.13236	11525.167
0.36879	0.33932	7.13406	11527.63
0.36884	0.33944	7.13575	11530.467
0.36889	0.33961	7.13716	11533.774
0.36894	0.33975	7.13867	11537.674
0.36899	0.33989	7.1408	11542.074
0.36903	0.34001	7.14277	11546.795
0.36907	0.34009	7.14497	11551.754
0.3691	0.3402	7.1473	11556.737
0.36913	0.34028	7.14975	11561.7
0.36916	0.3404	7.15226	11566.631

12:37:18.701	-11	0.00003	0.00007	0.00202	4.474	0.000432
12:37:19.701	-11	0.00003	0.00005	0.00184	4.027	0.000389
12:37:20.701	-11	0.00002	0.00007	0.0017	3.65	0.000353
12:37:21.701	-11	0.00002	0.00002	0.00175	3.661	0.000354
12:37:22.701	-11	0.00003	0.0001	0.00201	3.829	0.00037
12:37:23.701	-11	0.00003	0.00002	0.00265	4.553	0.00044
12:37:24.701	-11	0.00003	0.00008	0.00359	5.154	0.000498
12:37:25.701	-11	0.00003	0.00002	0.00232	4.312	0.000416
12:37:26.701	-11	0.00003	0.00003	0.00159	3.6	0.000348
12:37:27.701	-11	0.00002	0.00004	0.00141	2.896	0.00028
12:37:28.701	-11	0.00003	0.00001	0.00194	3.036	0.000294
12:37:29.701	-11	0.00003	0.00013	0.00269	3.943	0.000381
12:37:30.701	-11	0.00003	0.00005	0.00245	4.737	0.000458
12:37:31.701	-11	0.00004	0.00011	0.00237	5.322	0.000514
12:37:32.701	-11	0.00004	0.00006	0.00264	6.232	0.000602
12:37:33.701	-11	0.00004	0.00009	0.00271	7.158	0.000691
12:37:34.701	-11	0.00005	0.00008	0.00259	7.532	0.000727
12:37:35.701	-11	0.00009	0.00003	0.00259	7.526	0.000726
12:37:36.701	-11	0.00013	0.00014	0.00268	7.798	0.000753
12:37:37.701	-11	0.00018	0.00003	0.00276	8.074	0.000779
12:37:38.701	-11	0.00019	0.00008	0.00262	7.572	0.000731
12:37:39.701	-11	0.00017	0.00004	0.00253	6.014	0.000581
12:37:40.701	-11	0.00015	0.00006	0.00267	4.476	0.000433
12:37:41.701	-11	0.00012	0.00005	0.00251	3.463	0.000335
12:37:42.701	-11	0.00009	0.00002	0.00183	2.971	0.000287
12:37:43.701	-11	0.00007	0.00008	0.00122	2.647	0.000256
12:37:44.701	-11	0.00006	0.00004	0.00099	2.421	0.000234
12:37:45.701	-11	0.00006	0.0001	0.00144	2.499	0.000242
12:37:46.701	-11	0.00006	0.00011	0.00309	3.652	0.000353
12:37:47.701	-11	0.00005	0.00015	0.00427	5.104	0.000493
12:37:48.701	-11	0.00005	0.00009	0.0026	4.896	0.000473
12:37:49.701	-11	0.00004	0.00006	0.00197	3.925	0.000379
12:37:50.701	-11	0.00003	0.00012	0.00198	3.414	0.00033
12:37:51.701	-11	0.00003	0.00006	0.00208	3.212	0.000311
12:37:52.701	-11	0.00002	0.0001	0.00199	3.103	0.0003
12:37:53.701	-11	0.00002	0.00006	0.00169	2.749	0.000266
12:37:54.701	-11	0.00002	0.00009	0.00187	2.68	0.000259
12:37:55.701	-11	0.00001	0.00012	0.00206	3.278	0.000317
12:37:56.701	-11	0.00002	0.00013	0.00305	4.721	0.000456
12:37:57.701	-11	0.00002	0.0002	0.00406	7.185	0.000694
12:37:58.701	-11	0.00003	0.00022	0.00403	9.104	0.000879
12:37:59.701	-11	0.00005	0.00028	0.0031	9.017	0.00087
12:38:00.701	-11	0.00012	0.00014	0.00366	9.136	0.000882
12:38:01.701	-11	0.00016	0.00016	0.00425	9.279	0.000896
12:38:02.701	-11	0.00017	0.00012	0.0044	8.439	0.000815
12:38:03.701	-11	0.00017	0.00008	0.00471	8.058	0.000778
12:38:04.701	-11	0.0002	0.00018	0.00538	9.665	0.000933

39.7	5.00E-01	0.200	0.500	0.157	0.391	4.800
40.2	5.00E-01	0.200	0.500	0.157	0.392	3.800
40.1	5.00E-01	0.200	0.500	0.157	0.392	5.400
39.6	6.00E-01	0.200	0.500	0.157	0.393	1.100
39.4	6.00E-01	0.200	0.500	0.158	0.395	6.800
38.8	6.00E-01	0.200	0.500	0.157	0.393	1.400
38.8	5.00E-01	0.200	0.500	0.156	0.391	4.800
38.7	6.00E-01	0.200	0.500	0.156	0.414	1.300
38.5	6.00E-01	0.200	0.600	0.157	0.471	2.800
38	6.00E-01	0.200	0.600	0.158	0.473	3.300
37.8	6.00E-01	0.200	0.600	0.158	0.475	1.000
37.2	6.00E-01	0.200	0.600	0.158	0.447	8.500
37.1	5.00E-01	0.200	0.500	0.157	0.391	3.300
36.9	6.00E-01	0.200	0.600	0.156	0.468	6.000
36.9	5.00E-01	0.100	0.600	0.078	0.467	2.700
36.8	5.00E-01	0.100	0.600	0.078	0.465	3.900
36.9	7.00E-01	0.300	0.600	0.200	0.465	3.200
37.2	1.20E+00	0.900	0.600	0.687	0.465	1.100
37.3	1.60E+00	1.500	0.600	1.154	0.465	5.700
37.6	2.20E+00	2.200	0.600	1.727	0.465	1.300
37.7	2.40E+00	2.500	0.600	1.962	0.465	3.400
38	2.60E+00	2.800	0.600	2.146	0.467	2.000
38.1	2.80E+00	3.000	0.600	2.378	0.471	3.500
38.3	2.90E+00	3.100	0.600	2.413	0.472	4.200
38.1	2.60E+00	2.800	0.600	2.179	0.450	2.000
37.6	2.10E+00	2.200	0.500	1.741	0.394	7.700
37.2	1.90E+00	1.900	0.500	1.482	0.396	4.200
35.9	1.60E+00	1.500	0.500	1.181	0.399	9.300
35.5	1.10E+00	0.900	0.500	0.748	0.399	7.200
34.3	9.00E-01	0.600	0.500	0.472	0.393	7.900
34.2	8.00E-01	0.600	0.500	0.445	0.392	5.300
33.9	8.00E-01	0.500	0.500	0.394	0.394	3.900
33.7	7.00E-01	0.400	0.500	0.291	0.396	8.500
33.1	6.00E-01	0.300	0.500	0.238	0.371	4.400
32.8	5.00E-01	0.200	0.400	0.158	0.316	8.600
32	5.00E-01	0.200	0.400	0.158	0.317	5.300
31.7	5.00E-01	0.200	0.400	0.133	0.318	8.600
30.6	3.00E-01	0.000	0.400	0.000	0.317	9.000
30.4	3.00E-01	0.000	0.400	0.000	0.315	7.500
29.8	3.00E-01	0.000	0.400	0.000	0.311	8.900
30.1	4.00E-01	0.100	0.400	0.077	0.309	8.100
31	6.00E-01	0.300	0.400	0.250	0.310	10.400
31.6	1.30E+00	1.200	0.400	0.942	0.310	4.800
33.4	1.70E+00	1.800	0.400	1.369	0.311	5.400
34	1.80E+00	2.000	0.300	1.581	0.234	4.300
35.8	1.90E+00	2.100	0.300	1.661	0.234	3.100
36.2	1.90E+00	2.200	0.300	1.710	0.233	5.800

195.8	26.29725	1520	38.5	84.5	329.340619	381.361359
195.8	29.81998	1507	38.5	73.1	322.342542	379.667764
195.8	27.18275	1496	37.88	59.8	314.426154	375.706094
195.8	26.30996	1480	37.665	65.4	307.288697	370.073856
195.8	29.74862	1467	37.26	75.4	299.638618	367.214925
195.8	36.6507	1468	37.26	79.4	302.014773	372.361998
	37.68787	1467	37.26	76.9	302.806215	380.460725
	29.5417	1461	37.26	63.9	306.310093	381.8
	25.704	1443	36.64	54.8	308.351685	375.519216
	22.75531	1424	36.02	57.7	307.297149	366.90611
	24.242	1411	35.739	70.1	307.026616	361.649509
195.8	32.80759	1400	35.4	81.8	305.547368	364.153913
195.8	34.34839	1398	35.4	80.4	313.260976	369.207033
195.8	35.8811	1399	35.4	82.1	317.40625	372.7
195.8	43.32748	1402	35.4	85.5	321.160816	380.259406
195.8	47.06952	1410	35.986	84.7	323.126611	393.988188
196	48.5826	1426	36.02	82.3	326.41805	405.181818
196.4	47.79601	1434	36.608	84.8	329.172234	414.295
196.8	48.92896	1447	36.64	87.5	327.639959	423.79
197.1	51.33647	1462	37.177	85.9	333.502089	431.272593
197.5	50.06268	1473	37.26	83.5	361.75	435.755804
197.6	39.48703	1468	37.26	82.6	361.476447	431.89604
197.6	30.42812	1456	37.07	76.2	356.636354	422.044412
197.6	26.46813	1436	36.44	67.3	351.939896	412.199688
197.6	24.08933	1413	35.747	44	358.84526	400.674755
197.6	19.56327	1376	35.08	43.2	352.327131	385.239648
197.6	20.35719	1341	33.861	43	343.162112	370.797047
197.6	22.96552	1312	33.253	68.4	337.019543	363.11835
197.6	33.84463	1373	32.91	84.2	331.304084	365.425602
197.6	44.59067	1578	32.91	74.7	327.519149	378.113077
197.5	30.54749	1551	32.29	62.1	324.002315	378.545213
197.1	27.43694	1529	32.113	57.3	324.410448	371.957561
196.7	27.47682	1508	31.67	64.7	321.48	368.309198
196.3	26.79346	1481	31.05	66.7	318.567647	367.095111
196	26.7625	1451	30.43	60.7	323.613784	363.924111
	22.14736	1425	29.81	54.8	324.600203	357.321627
	23.50853	1390	29.19	57.2	323.582985	352.833888
	26.96582	1368	28.57	73.7	322.318788	350.132722
	38.60148	1373	28.57	85.2	325.278646	360.992377
	50.32081	1394	29.159	84.1	328.471369	380.669
196	56.66123	1450	30.398	82.6	333.867745	403.6668
196.4	54.73219	1506	31.638	82.4	336.944375	417.725545
196.7	57.93258	1565	32.854	82.5	338.124082	429.127755
197.1	58.89109	1621	34.142	83.2	347.698077	436.391224
197.5	54.9992	1671	34.845	84.1	353.924749	440.521829
197.6	54.93365	1713	36.069	87.9	352.004829	442.793333
197.6	63.49655	1764	36.807	86.4	373.42196	450.87122

0.36919	0.34047	7.15428	11571.105
0.36922	0.34052	7.15612	11575.132
0.36924	0.34059	7.15782	11578.782
0.36926	0.34061	7.15957	11582.443
0.36929	0.34071	7.16158	11586.272
0.36932	0.34073	7.16423	11590.825
0.36935	0.34081	7.16782	11595.979
0.36938	0.34083	7.17014	11600.291
0.36941	0.34086	7.17173	11603.891
0.36943	0.3409	7.17314	11606.787
0.36946	0.34091	7.17508	11609.823
0.36949	0.34104	7.17777	11613.766
0.36952	0.34109	7.18022	11618.503
0.36956	0.3412	7.18259	11623.825
0.3696	0.34126	7.18523	11630.057
0.36964	0.34135	7.18794	11637.215
0.36969	0.34143	7.19053	11644.747
0.36978	0.34146	7.19312	11652.273
0.36991	0.3416	7.1958	11660.071
0.37009	0.34163	7.19856	11668.145
0.37028	0.34171	7.20118	11675.717
0.37045	0.34175	7.20371	11681.731
0.3706	0.34181	7.20638	11686.207
0.37072	0.34186	7.20889	11689.67
0.37081	0.34188	7.21072	11692.641
0.37088	0.34196	7.21194	11695.288
0.37094	0.342	7.21293	11697.709
0.371	0.3421	7.21437	11700.208
0.37106	0.34221	7.21746	11703.86
0.37111	0.34236	7.22173	11708.964
0.37116	0.34245	7.22433	11713.86
0.3712	0.34251	7.2263	11717.785
0.37123	0.34263	7.22828	11721.199
0.37126	0.34269	7.23036	11724.411
0.37128	0.34279	7.23235	11727.514
0.3713	0.34285	7.23404	11730.263
0.37132	0.34294	7.23591	11732.943
0.37133	0.34306	7.23797	11736.221
0.37135	0.34319	7.24102	11740.942
0.37137	0.34339	7.24508	11748.127
0.3714	0.34361	7.24911	11757.231
0.37145	0.34389	7.25221	11766.248
0.37157	0.34403	7.25587	11775.384
0.37173	0.34419	7.26012	11784.663
0.3719	0.34431	7.26452	11793.102
0.37207	0.34439	7.26923	11801.16
0.37227	0.34457	7.27461	11810.825

12:38:05.701	-11	0.00018	0.00004	0.0042	9.041	0.000873
12:38:06.701	-11	0.00013	0.00009	0.00287	5.631	0.000544
12:38:07.701	-11	0.00012	0.00007	0.00217	4.836	0.000467
12:38:08.701	-11	0.00012	0.00009	0.00266	4.824	0.000466
12:38:09.701	-11	0.0001	0.00009	0.00239	4.59	0.000443
12:38:10.701	-11	0.00006	0.00004	0.0017	3.751	0.000362
12:38:11.701	-11	0.00004	0.00008	0.00141	2.907	0.000281
12:38:12.701	-11	0.00002	0.00005	0.00139	2.357	0.000228
12:38:13.701	-11	0.00001	0.0001	0.00118	1.88	0.000182
12:38:14.701	-11	0.00001	0.00008	0.00102	1.482	0.000143
12:38:15.701	-11	0.00001	0.00009	0.00103	1.267	0.000123
12:38:16.701	-11	0.00001	0.0001	0.00127	1.044	0.000101
12:38:17.701	-11	0.00001	0.00008	0.00155	0.827	0.00008
12:38:18.701	-11	0.00001	0.0001	0.00141	0.801	0.000078
12:38:19.701	-11	0.00001	0.00007	0.00228	1.183	0.000115
12:38:20.701	-11	0.00001	0.00006	0.00293	1.989	0.000193
12:38:21.701	-11	0.00002	0.00007	0.00309	3.183	0.000308
12:38:22.701	-11	0.00002	0.00008	0.0029	4.14	0.0004
12:38:23.701	-11	0.00003	0.00005	0.00302	4.487	0.000434
12:38:24.701	-11	0.00002	0.00001	0.00161	3.331	0.000322
12:38:25.701	-11	0.00004	0.00004	0.00162	2.858	0.000276
12:38:26.701	-11	0.00003	0.00003	0.00157	2.539	0.000246
12:38:27.701	-11	0.00003	0.0001	0.00151	2.407	0.000233
12:38:28.701	-11	0.00003	0.00008	0.00154	2.501	0.000242
12:38:29.701	-11	0.00003	0.00012	0.00168	2.733	0.000264
12:38:30.701	-11	0.00003	0.00012	0.00209	3.631	0.000351
12:38:31.701	-11	0.00003	0.00011	0.00208	4.257	0.000411
12:38:32.701	-11	0.00003	0.00015	0.00171	4.494	0.000434
12:38:33.701	-11	0.00003	0.00005	0.00171	4.612	0.000446
12:38:34.701	-11	0.00003	0.00012	0.00175	4.302	0.000416
12:38:35.701	-11	0.00003	0.00004	0.00138	3.393	0.000328
12:38:36.701	-11	0.00002	0.00004	0.00106	2.423	0.000234
12:38:37.701	-11	0.00002	0.00004	0.00104	1.925	0.000186
12:38:38.701	-11	0.00001	0.00004	0.00093	1.29	0.000125
12:38:39.701	-11	0.00001	0.00004	0.00076	0.962	0.000093
12:38:40.701	-11	0.00001	0.00003	0.00059	0.72	0.00007
12:38:41.701	-11	0.00001	0.00005	0.00067	0.607	0.000059
12:38:42.701	-11	0.00001	0.00003	0.00053	0.49	0.000047
12:38:43.701	-11	0.00001	0.00004	0.00056	0.367	0.000036
12:38:44.701	-11	0.00001	0.00003	0.00073	0.362	0.000035
12:38:45.701	-11	0.00001	0.00004	0.00108	0.382	0.000037
12:38:46.701	-11	0.00001	0.00008	0.00118	0.328	0.000032
12:38:47.701	-11	0.00001	0.00005	0.00123	0.381	0.000037
12:38:48.701	-11	0.00001	0.00007	0.001	0.452	0.000044
12:38:49.701	-11	0.00001	0.00003	0.00109	0.564	0.000055
12:38:50.701	-11	0.00001	0.00004	0.00126	0.706	0.000069
12:38:51.701	-11	0.00001	0.00005	0.00117	0.856	0.000083

37.6	1.90E+00	2.200	0.300	1.708	0.233	1.300
38.1	2.00E+00	2.200	0.300	1.747	0.235	4.800
39.7	2.00E+00	2.300	0.300	1.813	0.236	3.800
39.8	2.00E+00	2.300	0.300	1.813	0.236	5.100
40.2	1.90E+00	2.100	0.300	1.651	0.235	5.400
40.4	1.40E+00	1.500	0.300	1.181	0.235	2.900
40.9	1.00E+00	1.000	0.300	0.793	0.236	7.900
41	6.00E-01	0.400	0.300	0.349	0.238	5.200
41.2	5.00E-01	0.300	0.300	0.215	0.240	11.300
41.2	3.00E-01	0.100	0.300	0.056	0.243	9.200
41.4	2.00E-01	0.000	0.300	0.000	0.246	10.400
41.4	2.00E-01	0.000	0.300	0.000	0.248	10.800
41.3	3.00E-01	0.000	0.300	0.027	0.250	8.000
41.3	3.00E-01	0.100	0.300	0.083	0.250	9.500
41.1	3.00E-01	0.100	0.300	0.055	0.248	6.200
41.1	2.00E-01	0.000	0.300	0.000	0.244	5.400
41	3.00E-01	0.000	0.400	0.000	0.320	4.800
40.8	4.00E-01	0.000	0.500	0.000	0.419	4.700
40	5.00E-01	0.000	0.700	0.000	0.548	3.100
39.9	5.00E-01	-0.100	0.700	0.000	0.550	0.700
39.7	1.00E+00	0.500	0.700	0.420	0.553	3.800
39.3	1.00E+00	0.600	0.700	0.452	0.556	3.100
38.2	1.00E+00	0.500	0.700	0.397	0.556	10.400
37.8	8.00E-01	0.400	0.700	0.294	0.555	8.200
36.6	7.00E-01	0.200	0.700	0.134	0.556	10.700
36.4	6.00E-01	0.100	0.700	0.079	0.553	8.400
35.9	6.00E-01	0.000	0.700	0.000	0.550	7.000
35.9	5.00E-01	0.000	0.700	0.000	0.549	9.200
36.1	6.00E-01	0.000	0.700	0.000	0.550	3.100
36.2	6.00E-01	0.000	0.700	0.000	0.550	7.500
36.4	6.00E-01	0.000	0.800	0.000	0.629	3.500
36.6	6.00E-01	0.000	0.800	0.000	0.632	4.200
37.1	6.00E-01	0.000	0.800	0.000	0.636	5.200
37	6.00E-01	0.000	0.800	0.000	0.640	6.700
36.5	6.00E-01	0.000	0.800	0.000	0.646	8.700
35.1	6.00E-01	0.000	0.800	0.000	0.624	7.200
30.5	6.00E-01	0.000	0.700	0.000	0.574	10.700
28.7	6.00E-01	0.000	0.700	0.000	0.578	6.300
23.2	5.00E-01	-0.100	0.600	0.000	0.499	8.400
21.4	5.00E-01	-0.100	0.600	0.000	0.475	6.600
15.7	4.00E-01	-0.100	0.500	0.000	0.420	6.000
13.9	4.00E-01	-0.100	0.500	0.000	0.421	10.700
8.2	4.00E-01	-0.100	0.500	0.000	0.420	6.400
7	4.00E-01	-0.100	0.500	0.000	0.419	9.900
3.1	4.00E-01	-0.100	0.500	0.000	0.417	4.500
2.4	4.00E-01	-0.200	0.500	0.000	0.414	6.500
0	4.00E-01	-0.200	0.500	0.000	0.411	6.600

197.6	65.01241	1814	37.88	82.8	370.833933	459.025714
197.6	38.44289	1702	38.5	63.3	361.655801	448.981538
197.6	35.92262	1520	38.5	79.1	349.118822	434.964176
197.6	37.99775	1534	39.12	88.1	347.304817	432.2464
197.6	29.81226	1548	39.12	71.3	347.33	427.45202
197.6	26.74049	1557	39.74	59.2	336.729487	417.178125
197.6	22.0769	1445	39.74	37.3	324.2125	399.1
197.4	18.12821	1297	39.74	29.9	327.72	380.848079
197	17.2235	1300	40.208	20.7	325.790833	363.098315
196.6	16.69708	1300	39.74	10.8	323.873438	345.5875
196.2	18.69846	1296	39.74	7.5	324.520566	329.55878
195.8	19.68515	1289	39.74	9.9	320.348462	315.638
195.8	21.21067	1288	39.74	36.3	316.130347	307.215125
195.8	21.53981	1286	39.74	54.9	315.662453	309.050727
195.8	22.98729	1282	39.74	59.4	317.257968	314.124823
195.8	23.24713	1271	39.12	59.6	319.854685	320.557086
195.8	30.87699	1266	39.12	76.5	323.386127	331.417871
195.8	35.4481	1259	39.12	80.9	329.602133	346.484845
195.8	29.32483	1247	38.5	57.8	333.083654	353.3752
195.8	24.75674	1230	37.91	67.7	332.414823	352.166841
195.8	21.57113	1202	37.162	55.1	328.473896	348.628191
195.8	22.1195	1182	36.412	62.9	325.9625	345.875417
195.8	20.25092	1161	35.797	58.2	325.815318	341.5475
195.8	20.84622	1143	35.197	68	325.577401	339.868137
195.8	23.55761	1134	34.78	72	324.6385	340.92907
195.8	28.03823	1166	34.78	72.8	324.476442	345.575
195.8	32.86392	1386	34.78	72.7	324.734741	351.357171
195.8	33.39428	1373	34.78	73.8	325.710405	354.851397
195.8	34.19586	1385	35.221	77.3	327.747106	359.095782
195.8	33.8508	1400	35.4	68.9	330.763125	362.961818
195.8	23.19844	1412	35.973	55.1	332.524843	359.517624
195.8	19.38607	1408	35.454	32.4	330.104658	347.918584
195.8	17.57448	1381	34.863	12	327.542857	332.884783
195.8	11.93096	1349	34.114	3.5	325.560915	318.672917
195.8	10.98057	1242	31.537	0	321.453125	306.098933
195.8	10.03378	1116	27.899	2.3	317.526506	295.834653
195.5	9.36849	1070	24.09	0.9	310.411837	287.09451
195.1	9.25367	1048	20.79	2.4	307.1975	279.7956
194.7	8.76179	975	16.745	14.2	300.890773	273.384615
194.4	11.21256	885	12.785	4.6	305.994432	268.192333
194	15.7438	860	8.833	14	306.448369	262.880837
194	14.55927	788	6.312	30.3	304.756538	259.39
194	15.05182	818	3.832	32.5	303.830058	258.5
194	15.31963	804	1.863	41.3	309.021108	259.788372
194	15.07506	791	0.62	38.8	312.705104	261.933038
194	14.67598	777	0	38.9	312.816763	263.951297
194	14.62451	778	0	39.3	319.166089	265.125584

0.37245	0.34461	7.27881	11819.866
0.37258	0.3447	7.28168	11825.497
0.3727	0.34477	7.28385	11830.333
0.37282	0.34486	7.28651	11835.157
0.37292	0.34495	7.2889	11839.747
0.37298	0.34499	7.2906	11843.498
0.37302	0.34507	7.29201	11846.405
0.37304	0.34512	7.2934	11848.762
0.37305	0.34522	7.29458	11850.642
0.37306	0.3453	7.2956	11852.124
0.37307	0.34539	7.29663	11853.391
0.37308	0.34549	7.2979	11854.435
0.37309	0.34557	7.29945	11855.262
0.3731	0.34567	7.30086	11856.063
0.37311	0.34574	7.30314	11857.246
0.37312	0.3458	7.30607	11859.235
0.37314	0.34587	7.30916	11862.418
0.37316	0.34595	7.31206	11866.558
0.37319	0.346	7.31508	11871.045
0.37321	0.34601	7.31669	11874.376
0.37325	0.34605	7.31831	11877.234
0.37328	0.34608	7.31988	11879.773
0.37331	0.34618	7.32139	11882.18
0.37334	0.34626	7.32293	11884.681
0.37337	0.34638	7.32461	11887.414
0.3734	0.3465	7.3267	11891.045
0.37343	0.34661	7.32878	11895.302
0.37346	0.34676	7.33049	11899.796
0.37349	0.34681	7.3322	11904.408
0.37352	0.34693	7.33395	11908.71
0.37355	0.34697	7.33533	11912.103
0.37357	0.34701	7.33639	11914.526
0.37359	0.34705	7.33743	11916.451
0.3736	0.34709	7.33836	11917.741
0.37361	0.34713	7.33912	11918.703
0.37362	0.34716	7.33971	11919.423
0.37363	0.34721	7.34038	11920.03
0.37364	0.34724	7.34091	11920.52
0.37365	0.34728	7.34147	11920.887
0.37366	0.34731	7.3422	11921.249
0.37367	0.34735	7.34328	11921.631
0.37368	0.34743	7.34446	11921.959
0.37369	0.34748	7.34569	11922.34
0.3737	0.34755	7.34669	11922.792
0.37371	0.34758	7.34778	11923.356
0.37372	0.34762	7.34904	11924.062
0.37373	0.34767	7.35021	11924.918

12:38:52.701	-11	0.00001	0.00004	0.00099	0.983	0.000095
12:38:53.701	-11	0.00001	0.00006	0.00108	1.045	0.000101
12:38:54.701	-11	0.00001	0.00003	0.00097	1.071	0.000104
12:38:55.701	-11	0.00001	0.00007	0.00097	1.08	0.000105
12:38:56.701	-11	0.00001	0.00002	0.00096	1.073	0.000104
12:38:57.701	-11	0.00001	0.00003	0.00096	1.068	0.000103
12:38:58.701	-11	0.00001	0.00003	0.001	1.07	0.000104
12:38:59.701	-11	0.00001	0.00003	0.00109	1.065	0.000103
12:39:00.701	-11	0.00001	0.00005	0.00118	1.169	0.000113
12:39:01.701	-11	0.00001	0.00003	0.00122	1.216	0.000118
12:39:02.701	-11	0.00001	0.00004	0.00122	1.23	0.000119
12:39:03.701	-11	0.00001	0.00002	0.00147	1.557	0.000151
12:39:04.701	-11	0.00001	0.00008	0.00399	4.084	0.000395
12:39:05.701	-11	0.00002	0.00021	0.00676	6.975	0.000675
12:39:06.701	-11	0.00001	0.0002	0.00308	5.779	0.000559
12:39:07.701	-11	0.00001	0.00017	0.00365	5.803	0.000561
12:39:08.701	-11	0.00001	0.00007	0.00393	6.533	0.000632
12:39:09.701	-11	0.00001	0.00015	0.00469	7.8	0.000754
12:39:10.701	-11	0.00001	0.00006	0.00514	8.251	0.000797
12:39:11.701	-11	0.00001	0.00009	0.00491	8.515	0.000823
12:39:12.701	-11	0.00001	0.00005	0.00356	6.107	0.00059
12:39:13.701	-11	0	0.00005	0.00263	4.326	0.000418
12:39:14.701	-11	0	0.00004	0.00158	2.293	0.000222
12:39:15.701	-11	0	0.00001	0.00108	1.663	0.000161
12:39:16.701	-11	0	0.00004	0.00081	1.417	0.000137
12:39:17.701	-11	0	0.00002	0.00077	1.116	0.000108
12:39:18.701	-11	0	0.00003	0.00056	0.827	0.00008
12:39:19.701	-11	0	0.00004	0.00043	0.644	0.000062
12:39:20.701	-11	0	0.00003	0.00061	0.588	0.000057
12:39:21.701	-11	0	0.00003	0.00089	0.394	0.000038
12:39:22.701	-11	0	0.00003	0.00116	0.321	0.000031
12:39:23.701	-11	0	0.00006	0.00117	0.328	0.000032
12:39:24.701	-11	0	0.00004	0.00112	0.353	0.000034
12:39:25.701	-11	0	0.00004	0.0011	0.384	0.000037
12:39:26.701	-11	0	0.00003	0.00111	0.47	0.000046
12:39:27.701	-11	0	0.00002	0.00128	0.594	0.000058
12:39:28.701	-11	0	0.00004	0.00158	0.807	0.000078
12:39:29.701	-11	0.00001	0.00002	0.00318	2.32	0.000225
12:39:30.701	-11	0.00002	0.00009	0.00586	4.269	0.000414
12:39:31.701	-11	0.00001	0.00003	0.00275	3.189	0.000308
12:39:32.701	-11	0.00001	0.00004	0.00178	2.316	0.000224
12:39:33.701	-11	0.00001	0.00004	0.00103	1.617	0.000156
12:39:34.701	-11	0.00001	0.00003	0.00059	1.011	0.000098
12:39:35.701	-11	0.00001	0.00003	0.00099	0.73	0.000071
12:39:36.701	-11	0.00001	0.00001	0.00158	0.636	0.000062
12:39:37.701	-11	0.00001	0.00003	0.00174	0.665	0.000065
12:39:38.701	-11	0.00001	0.00001	0.00161	0.751	0.000073

0	4.00E-01	-0.200	0.500	0.000	0.409	5.500	194	14.74153	777	0	39.8	324.999433	266.48087
0	4.00E-01	-0.100	0.500	0.000	0.408	8.200	194	14.60881	780	0	39.8	316.239842	266.003256
0	3.00E-01	-0.100	0.400	0.000	0.326	4.000	194	14.67091	777	0	39.6	312.800407	266.7
0	3.00E-01	-0.100	0.400	0.000	0.326	9.500	194	14.73081	779	0	39.4	313.565344	266.7
0	3.00E-01	-0.100	0.400	0.000	0.326	3.500	194	14.65619	778	0	39.7	311.125128	266.642686
0	3.00E-01	-0.100	0.400	0.000	0.326	4.800	194	14.63396	777	0	40.3	308.348163	266
0	3.00E-01	-0.100	0.400	0.000	0.326	4.400	194	14.859	781	0	40.1	296.82	266
0	3.00E-01	-0.200	0.400	0.000	0.326	3.600	194	14.63426	776	0	40.4	302.841923	265.708009
0	3.00E-01	-0.200	0.400	0.000	0.326	6.500	194	15.13869	797	0	40.4	302.198519	265.3
0	2.00E-01	-0.200	0.300	0.000	0.245	3.800	194	17.1595	873	1.521	41.1	301.892788	265.3
0.6	2.00E-01	-0.200	0.300	0.000	0.244	4.600	194	15.76975	786	2.966	36.2	302.665039	264.94375
2.6	2.00E-01	-0.200	0.300	0.000	0.244	2.200	194	18.96575	1009	3.669	43.5	307.047955	266.892398
3.3	2.00E-01	-0.100	0.200	0.000	0.162	3.600	194	41.25775	1626	6.596	97.6	307.651538	285.601202
5.3	2.00E-01	-0.100	0.200	0.000	0.159	7.000	194	65.20983	2172	10.337	73.1	318.260461	312.3136
6.9	2.00E-01	-0.100	0.200	0.000	0.159	8.100	194	46.63918	1570	12.272	38.4	326.20977	321.61962
11.9	2.00E-01	-0.100	0.200	0.000	0.160	6.600	194	57.37109	1927	14.253	76.6	325.371933	328.758377
12.9	2.00E-01	-0.100	0.200	0.000	0.158	2.900	194	48.69762	1758	16.868	79	329.121909	341.498089
16.3	2.00E-01	-0.100	0.200	0.000	0.157	5.400		58.60113	1968	19.298	86.2	331.005714	359.036246
17.4	2.00E-01	-0.100	0.200	0.000	0.157	2.100		58.27578	1992	21.159	85.4	336.278613	374.690208
20.9	1.00E-01	-0.100	0.200	0.000	0.134	2.900		58.11142	2029	23.624	84.3	338.31172	384.598822
21.9	1.00E-01	-0.100	0.100	0.000	0.078	2.200		52.67441	1893	25.493	79.8	340.009816	390.375816
25	1.00E-01	0.000	0.100	0.000	0.079	3.000		28.52249	1520	26.102	68.5	339.589266	384.346131
25.6	1.00E-01	0.000	0.100	0.000	0.079	4.900	192.2	24.64872	1511	26.7	34.6	333.290951	368.712651
27.4	1.00E-01	0.000	0.100	0.000	0.079	1.200	192.6	12.9607	1457	25.85	1.7	323.556166	349.314803
27.1	1.00E-01	0.000	0.100	0.000	0.080	7.400	193	12.02185	1356	23.914	0	319.57804	329.118424
26.2	1.00E-01	0.000	0.100	0.000	0.080	4.000	193.4	10.80919	1196	21.009	0.3	317.129375	314.293014
24.9	1.00E-01	0.000	0.100	0.000	0.081	6.800	193.8	9.45584	1027	17.782	3.2	314.334474	301.199
20.6	1.00E-01	0.000	0.100	0.000	0.057	7.600	194	9.4954	1095	14.996	8.2	311.206287	291.435926
19.1	0.00E+00	-0.100	0.000	0.000	0.000	3.800	194	19.0383	931	12.902	9.5	306.280793	280.387425
14.6	0.00E+00	-0.100	0.000	0.000	0.000	5.300	194	13.08588	966	10.486	9.4	302.920459	271.142753
13.7	0.00E+00	-0.200	0.000	0.000	0.000	4.500	194	13.4953	869	9.659	13.5	295.213846	263.997715
10.8	0.00E+00	-0.300	0.000	0.000	0.000	8.600	194	13.80302	798	7.237	22.7	291.504687	257.6005
9.9	0.00E+00	-0.400	0.000	0.000	0.000	5.100		14.73867	811	5.381	31.5	289.554896	254.648976
7	0.00E+00	-0.400	0.000	0.000	0.000	5.800		14.53382	787	3.558	32.9	290.342308	253.462857
6.1	0.00E+00	-0.400	0.000	0.000	0.000	4.100		14.92438	790	2.304	37.4	290.597119	253.440609
3.3	1.00E-01	-0.400	0.100	0.000	0.083	2.600		14.52852	783	1.86	39.8	289.831432	255.4872
3	1.00E-01	-0.400	0.100	0.000	0.083	5.000		15.3319	847	1.86	53.5	290.202187	258.162793
2.2	1.00E-01	-0.400	0.100	0.000	0.109	1.100	194	24.02468	1311	3.41	91.4	286.3	270.4338
3	2.00E-01	-0.400	0.300	0.000	0.241	4.200	194	47.215	1752	6.826	68.4	298.871548	294.4975
5.5	3.00E-01	-0.400	0.300	0.000	0.265	2.000	194	29.72417	1547	8.07	18.7	306.833753	301.601981
6.4	3.00E-01	-0.400	0.400	0.000	0.319	4.100	194	17.46296	905	8.07	10.3	301.280508	288.268182
9.4	3.00E-01	-0.300	0.400	0.000	0.323	4.800	194	15.76205	823	8.07	22.2	298.056058	276.197105
9.1	3.00E-01	-0.300	0.400	0.000	0.329	3.700	194	15.54193	812	6.883	28.4	294.319904	267.65976
8.2	3.00E-01	-0.300	0.400	0.000	0.332	4.000	194	15.79615	815	6.83	32.5	291.925819	262.318581
7.9	3.00E-01	-0.300	0.400	0.000	0.333	1.400	194	15.66214	827	6.83	31.6	290.906517	258.551134
6.9	3.00E-01	-0.300	0.400	0.000	0.333	3.600	194	15.9012	831	8.173	29.9	294.121033	254.843674
7.3	3.00E-01	-0.400	0.400	0.000	0.332	1.200		16.27243	879	8.69	29.3	296.825755	251.686739

0.37374	0.34771	7.3512	11925.901
0.37375	0.34777	7.35228	11926.946
0.37376	0.3478	7.35325	11928.017
0.37377	0.34787	7.35422	11929.097
0.37378	0.34789	7.35518	11930.17
0.37379	0.34792	7.35614	11931.238
0.3738	0.34795	7.35714	11932.308
0.37381	0.34798	7.35823	11933.373
0.37382	0.34803	7.35941	11934.542
0.37383	0.34806	7.36063	11935.758
0.37384	0.3481	7.36185	11936.988
0.37385	0.34812	7.36332	11938.545
0.37386	0.3482	7.36731	11942.629
0.37388	0.34841	7.37407	11949.604
0.37389	0.34861	7.37715	11955.383
0.3739	0.34878	7.3808	11961.186
0.37391	0.34885	7.38473	11967.719
0.37392	0.349	7.38942	11975.519
0.37393	0.34906	7.39456	11983.77
0.37394	0.34915	7.39947	11992.285
0.37395	0.3492	7.40303	11998.392
0.37395	0.34925	7.40566	12002.718
0.37395	0.34929	7.40724	12005.011
0.37395	0.3493	7.40832	12006.674
0.37395	0.34934	7.40913	12008.091
0.37395	0.34936	7.4099	12009.207
0.37395	0.34939	7.41046	12010.034
0.37395	0.34943	7.41089	12010.678
0.37395	0.34946	7.4115	12011.266
0.37395	0.34949	7.41239	12011.66
0.37395	0.34952	7.41355	12011.981
0.37395	0.34958	7.41472	12012.309
0.37395	0.34962	7.41584	12012.662
0.37395	0.34966	7.41694	12013.046
0.37395	0.34969	7.41805	12013.516
0.37395	0.34971	7.41933	12014.11
0.37395	0.34975	7.42091	12014.917
0.37396	0.34977	7.42409	12017.237
0.37398	0.34986	7.42995	12021.506
0.37399	0.34989	7.4327	12024.695
0.374	0.34993	7.43448	12027.011
0.37401	0.34997	7.43551	12028.628
0.37402	0.35	7.4361	12029.639
0.37403	0.35003	7.43709	12030.369
0.37404	0.35004	7.43867	12031.005
0.37405	0.35007	7.44041	12031.67
0.37406	0.35008	7.44202	12032.421

12:39:39.701	-11	0.00001	0.00003	0.00141	0.788	0.000076
12:39:40.701	-11	0.00001	0.00002	0.00125	0.752	0.000073
12:39:41.701	-11	0.00001	0.00001	0.00124	0.725	0.00007
12:39:42.701	-11	0.00001	0.00002	0.00122	0.652	0.000063
12:39:43.701	-11	0.00001	0	0.00146	0.633	0.000061
12:39:44.701	-11	0.00001	0.00003	0.00141	0.665	0.000065
12:39:45.701	-11	0.00001	0	0.00145	0.789	0.000077
12:39:46.701	-11	0.00001	0.00004	0.00157	1.053	0.000102
12:39:47.701	-11	0.00001	0.00002	0.00116	1.051	0.000102
12:39:48.701	-11	0.00001	0.00002	0.00143	1.068	0.000104
12:39:49.701	-11	0.00001	0.00004	0.00137	1.145	0.000111
12:39:50.701	-11	0.00001	0.00001	0.00129	1.188	0.000115
12:39:51.701	-11	0.00001	0.00005	0.00131	1.148	0.000111
12:39:52.701	-11	0.00001	0.00002	0.00139	1.055	0.000102
12:39:53.701	-11	0.00001	0.00003	0.00148	1.029	0.0001
12:39:54.701	-11	0.00001	0.00004	0.00163	1.16	0.000112
12:39:55.701	-11	0.00001	0.00004	0.00159	1.254	0.000122
12:39:56.701	-11	0.00001	0.00005	0.00147	1.227	0.000119
12:39:57.701	-11	0.00001	0.00001	0.00128	1.242	0.00012
12:39:58.701	-11	0.00001	0.00005	0.00113	1.428	0.000138
12:39:59.701	-11	0.00001	0.00002	0.00106	1.486	0.000144
12:40:00.701	-11	0.00001	0.00005	0.00102	1.368	0.000132
12:40:01.701	-11	0.00001	0.00003	0.00127	1.34	0.00013
12:40:02.701	-11	0.00001	0.00003	0.00155	1.381	0.000134
12:40:03.701	-11	0.00001	0.00003	0.00165	1.271	0.000123
12:40:04.701	-11	0.00001	0.00001	0.00184	1.348	0.000131
12:40:05.701	-11	0.00001	0.00006	0.00195	1.597	0.000155
12:40:06.701	-11	0.00001	0.00002	0.00196	2.087	0.000202
12:40:07.701	-11	0.00001	0.00009	0.00237	2.818	0.000273
12:40:08.701	-11	0.00001	0.00008	0.00192	2.812	0.000272
12:40:09.701	-11	0.00001	0.00006	0.00147	2.369	0.000229
12:40:10.701	-11	0.00001	0.00006	0.00139	2.104	0.000204
12:40:11.701	-11	0.00001	0.00003	0.0015	2.02	0.000195
12:40:12.701	-11	0.00001	0.00008	0.00155	2.088	0.000202
12:40:13.701	-11	0.00001	0.00003	0.00162	2.213	0.000214
12:40:14.701	-11	0.00001	0.00008	0.00159	2.213	0.000214
12:40:15.701	-11	0.00001	0.00004	0.00147	1.924	0.000186
12:40:16.701	-11	0.00001	0.00005	0.00144	1.744	0.000169
12:40:17.701	-11	0.00001	0.00005	0.00133	1.457	0.000141
12:40:18.701	-11	0.00001	0.00002	0.00119	1.233	0.000119
12:40:19.701	-11	0.00001	0.00006	0.00164	1.198	0.000116
12:40:20.701	-11	0.00001	0.00006	0.00188	1.297	0.000126
12:40:21.701	-11	0.00001	0.0001	0.00193	1.512	0.000146
12:40:22.701	-11	0.00001	0.00006	0.00188	1.781	0.000172
12:40:23.701	-11	0.00001	0.00006	0.00191	1.847	0.000179
12:40:24.701	-11	0.00001	0.00007	0.00163	1.792	0.000173
12:40:25.701	-11	0.00001	0.00005	0.00132	1.682	0.000163

8.6	3.00E-01	-0.400	0.400	0.000	0.331	4.000		15.93943	906	8.69	20.2	294.808696	247.586078
8.7	3.00E-01	-0.400	0.400	0.000	0.331	2.400		14.26615	832	7.728	23.2	293.91375	242.66
9	3.00E-01	-0.400	0.400	0.000	0.331	2.000		14.7896	802	5.212	34.6	291.969697	240.343618
7.9	3.00E-01	-0.400	0.400	0.000	0.332	3.500		14.08776	770	2.937	33.3	291.938388	240
4.5	3.00E-01	-0.400	0.400	0.000	0.332	0.200	194	14.99615	803	1.86	41.2	290.213873	241.802268
3.9	3.00E-01	-0.400	0.400	0.000	0.332	3.800	194	14.6279	786	1.24	39.6	289.976058	244.3642
1.8	3.00E-01	-0.400	0.400	0.000	0.330	0.300	194	14.34364	777	0.62	42.3	293.211312	245.645543
1.7	3.00E-01	-0.300	0.400	0.000	0.328	5.300	194	17.51	938	1.516	48.4	294.878873	248.376162
1.2	3.00E-01	-0.300	0.400	0.000	0.327	3.500	194	15.10429	833	2.185	38.9	297.28875	250.154125
1.6	3.00E-01	-0.200	0.400	0.000	0.326	3.600	194	13.85504	753	2.978	37.4	291.047921	250.3
3	3.00E-01	-0.200	0.400	0.000	0.325	5.300	194	14.00251	762	3.11	37.3	290.959102	249.028067
3.1	3.00E-01	-0.200	0.400	0.000	0.325	1.200	194	14.49259	778	2.506	38.2	287.237083	248.3
3.3	3.00E-01	-0.200	0.400	0.000	0.325	6.800	194	14.79624	797	2.321	40.6	277.225128	248.3
3	3.00E-01	-0.200	0.400	0.000	0.326	2.400	194	14.63	783	0.958	40.8	272.212287	248.3
2.1	3.00E-01	-0.200	0.400	0.000	0.327	4.900	194	14.20735	780	0	41.8	272.477959	248.3
1.6	3.00E-01	-0.200	0.400	0.000	0.326	4.900	194	15.77515	851	0	49.7	273.939683	249.213404
0	3.00E-01	-0.200	0.400	0.000	0.326	4.500	194	17.29394	992	1.098	50.2	279.29575	251.969231
0.4	3.00E-01	-0.200	0.400	0.000	0.325	6.400	194	16.01317	922	1.86	39.9	282.541176	253.345
1.8	3.00E-01	-0.200	0.400	0.000	0.324	2.000		14.2226	806	1.288	44.9	281.758077	253.6
1.8	3.00E-01	-0.200	0.400	0.000	0.323	6.600		15.20422	765	1.792	39.7	280.43839	252.889401
1.8	3.00E-01	-0.200	0.400	0.000	0.323	2.300		16.90954	892	2.409	43.7	279.764491	252.675474
2.1	3.00E-01	-0.200	0.400	0.000	0.323	6.500		15.31976	773	3.048	35.8	279.354491	251.556943
3.2	3.00E-01	-0.200	0.400	0.000	0.324	3.800		15.50666	800	3.037	38.5	278.925905	249.616732
3.3	3.00E-01	-0.200	0.400	0.000	0.325	3.000	194	17.32742	910	3.11	43.5	277.443037	249.6734
3.6	3.00E-01	-0.200	0.400	0.000	0.326	3.900	194	16.0235	996	4.235	40.4	278.829002	250.694559
3.9	3.00E-01	-0.200	0.400	0.000	0.326	1.500	194	17.46993	1102	4.35	53.2	283.411833	251.390228
4.7	3.00E-01	-0.200	0.400	0.000	0.324	6.700	194	19.08586	1202	5.253	55.8	289.971369	253.18042
5	3.00E-01	-0.200	0.400	0.000	0.323	1.400	194	23.36744	1361	5.872	55.5	290.226769	257.613986
6.1	3.00E-01	-0.100	0.400	0.000	0.321	6.500	193.9	28.59219	1543	7.111	52.5	290.623417	262.427273
6.6	3.00E-01	-0.100	0.400	0.000	0.320	5.900	193.5	30.4444	1590	7.762	48.4	292.433	266.261874
8.3	3.00E-01	-0.100	0.400	0.000	0.320	5.600	193.1	19.96859	1178	8.69	48.6	290.211633	266.029008
8.5	3.00E-01	-0.100	0.400	0.000	0.321	6.100	192.7	19.29524	1174	8.691	51.3	285.226316	265.881433
9.2	3.00E-01	-0.100	0.400	0.000	0.321	3.200	192.3	19.85202	1217	9.31	52	284.206939	264.8198
9.5	3.00E-01	-0.100	0.400	0.000	0.321	7.900	192.2	20.80941	1251	9.94	50.8	283.947187	266
10.6	3.00E-01	-0.100	0.400	0.000	0.321	3.200	192.2	21.78663	1279	9.94	49.7	283.958246	266
10.6	3.00E-01	-0.100	0.400	0.000	0.320	7.700	192.2	22.231	1300	10.56	47.9	284.414155	265.777664
10.5	3.00E-01	-0.100	0.400	0.000	0.320	4.400	192.2	17.04005	1151	9.94	30.5	281.219949	263.024022
10.4	3.00E-01	-0.100	0.400	0.000	0.321	5.400	192.2	16.16091	1156	9.675	35.2	274.33609	255.120543
10.2	3.00E-01	-0.100	0.400	0.000	0.323	6.300	192.2	16.13442	1143	9.31	36.4	272.665306	250.071176
10.1	3.00E-01	-0.100	0.400	0.000	0.325	2.300	192.2	15.69798	1121	9.31	38.6	270.583231	246.133152
9.9	3.00E-01	-0.100	0.400	0.000	0.326	7.600	192.2	16.02794	1173	9.31	52.6	269.108469	245.033094
9.9	3.00E-01	-0.100	0.400	0.000	0.326	7.100	192.2	18.76765	1207	9.31	54.1	270.45322	247.140413
9.7	3.00E-01	-0.100	0.400	0.000	0.325	10.700	192.2	20.11025	1235	9.702	50.3	270.697025	249.8083
9.8	3.00E-01	-0.200	0.400	0.000	0.323	6.300	192.2	19.79943	1217	9.94	44.3	271.88686	250.696947
10.2	3.00E-01	-0.200	0.400	0.000	0.321	6.200	192.2	19.07396	1196	9.94	41.9	277.356154	249.622476
10.2	3.00E-01	-0.200	0.400	0.000	0.322	7.300	192.2	18.96341	1215	9.94	46.9	281.058691	249
10.4	3.00E-01	-0.200	0.400	0.000	0.323	5.800	192.2	18.93015	1215	9.94	42.9	283.792467	248.476154

0.37407	0.35011	7.44343	12033.209
0.37408	0.35013	7.44468	12033.961
0.37409	0.35014	7.44592	12034.686
0.3741	0.35016	7.44714	12035.338
0.37411	0.35016	7.4486	12035.971
0.37412	0.35019	7.45001	12036.636
0.37413	0.35019	7.45146	12037.425
0.37414	0.35023	7.45303	12038.478
0.37415	0.35025	7.45419	12039.529
0.37416	0.35027	7.45562	12040.597
0.37417	0.35031	7.45699	12041.742
0.37418	0.35032	7.45828	12042.93
0.37419	0.35037	7.45959	12044.078
0.3742	0.35039	7.46098	12045.133
0.37421	0.35042	7.46246	12046.162
0.37422	0.35046	7.46409	12047.322
0.37423	0.3505	7.46568	12048.576
0.37424	0.35055	7.46715	12049.803
0.37425	0.35056	7.46843	12051.045
0.37426	0.35061	7.46956	12052.473
0.37427	0.35063	7.47062	12053.959
0.37428	0.35068	7.47164	12055.327
0.37429	0.35071	7.47291	12056.667
0.3743	0.35074	7.47446	12058.048
0.37431	0.35077	7.47611	12059.319
0.37432	0.35078	7.47795	12060.667
0.37433	0.35084	7.4799	12062.264
0.37434	0.35086	7.48186	12064.351
0.37435	0.35095	7.48423	12067.169
0.37436	0.35103	7.48615	12069.981
0.37437	0.35109	7.48762	12072.35
0.37438	0.35115	7.48901	12074.454
0.37439	0.35118	7.49051	12076.474
0.3744	0.35126	7.49206	12078.562
0.37441	0.35129	7.49368	12080.775
0.37442	0.35137	7.49527	12082.988
0.37443	0.35141	7.49674	12084.912
0.37444	0.35146	7.49818	12086.656
0.37445	0.35151	7.49951	12088.113
0.37446	0.35153	7.5007	12089.346
0.37447	0.35159	7.50234	12090.544
0.37448	0.35165	7.50422	12091.841
0.37449	0.35175	7.50615	12093.353
0.3745	0.35181	7.50803	12095.134
0.37451	0.35187	7.50994	12096.981
0.37452	0.35194	7.51157	12098.773
0.37453	0.35199	7.51289	12100.455

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12:40:27.701	-11	0.00001	0.00004	0.00143	1.633	0.000158
12:40:28.701	-11	0.00001	0.00007	0.00153	1.631	0.000158
12:40:29.701	-11	0.00001	0.00004	0.00171	1.627	0.000158
12:40:30.701	-11	0.00001	0.00006	0.00177	1.71	0.000166
12:40:31.701	-11	0.00001	0.00007	0.00193	1.946	0.000188
12:40:32.701	-11	0.00001	0.00005	0.00189	2.171	0.00021
12:40:33.701	-11	0.00001	0.0001	0.0017	2.201	0.000213
12:40:34.701	-11	0.00001	0.00004	0.00151	2.111	0.000204
12:40:35.701	-11	0.00001	0.00006	0.00126	1.739	0.000168
12:40:36.701	-11	0.00001	0.00004	0.0013	1.254	0.000122
12:40:37.701	-11	0.00001	0.00003	0.00112	0.963	0.000093
12:40:38.701	-11	0.00001	0.00004	0.00105	0.749	0.000073
12:40:39.701	-11	0.00001	0.00002	0.00109	0.613	0.00006
12:40:40.701	-11	0.00001	0.00002	0.00125	0.561	0.000054
12:40:41.701	-11	0.00001	0	0.00136	0.586	0.000057
12:40:42.701	-11	0.00001	0.00003	0.00126	0.653	0.000063
12:40:43.701	-11	0.00001	0.00001	0.00161	0.775	0.000075
12:40:44.701	-11	0.00001	0.00002	0.00156	0.899	0.000087
12:40:45.701	-11	0.00001	0.00003	0.0014	0.945	0.000092
12:40:46.701	-11	0.00001	0.00001	0.00132	0.922	0.000089
12:40:47.701	-11	0.00001	0.00003	0.00135	0.938	0.000091
12:40:48.701	-11	0.00001	0.00003	0.00133	0.904	0.000088
12:40:49.701	-11	0.00001	0.00005	0.00147	0.888	0.000086
12:40:50.701	-11	0.00001	0.00003	0.0015	0.855	0.000083
12:40:51.701	-11	0.00001	0.00004	0.00156	0.827	0.00008
12:40:52.701	-11	0.00001	0.00004	0.00166	0.838	0.000081
12:40:53.701	-11	0.00001	0.00002	0.00163	0.823	0.00008
12:40:54.701	-11	0.00001	0.00006	0.00162	0.814	0.000079
12:40:55.701	-11	0.00001	0.00003	0.00155	0.785	0.000076
12:40:56.701	-11	0.00001	0.00006	0.0015	0.772	0.000075
12:40:57.701	-11	0.00001	0.00004	0.0016	0.819	0.000079
12:40:58.701	-11	0.00001	0.00004	0.00135	0.678	0.000066
12:40:59.701	-11	0.00001	0.00004	0.00141	0.764	0.000074
12:41:00.701	-11	0.00001	0.00004	0.00131	0.837	0.000081
12:41:01.701	-11	0.00001	0.00005	0.00112	0.912	0.000088
12:41:02.701	-11	0.00001	0.00004	0.00141	0.995	0.000096
12:41:03.701	-11	0.00001	0.00007	0.00175	1.098	0.000106
12:41:04.701	-11	0.00001	0.00004	0.00185	1.149	0.000111
12:41:05.701	-11	0.00001	0.00006	0.00172	1.159	0.000112
12:41:06.701	-11	0.00001	0.00006	0.00161	1.165	0.000113
12:41:07.701	-11	0.00001	0.00004	0.00151	1.163	0.000113
12:41:08.701	-11	0.00001	0.00007	0.00147	1.156	0.000112
12:41:09.701	-11	0.00001	0.00004	0.00147	1.156	0.000112
12:41:10.701	-11	0.00001	0.00007	0.00147	1.145	0.000111
12:41:11.701	-11	0.00001	0.00004	0.00146	1.143	0.000111
12:41:12.701	-11	0.00001	0.00006	0.00135	1.138	0.00011

10.4	3.00E-01	-0.200	0.400	0.000	0.324	8.300	192.2	19.04635	1245	9.94	42.5	282.918396	246.868035
10.5	3.00E-01	-0.200	0.400	0.000	0.324	4.100	192.2	19.27224	1258	10.56	40.4	281.260541	245.01751
10.6	3.00E-01	-0.200	0.400	0.000	0.324	7.800	192.2	19.79915	1291	10.56	45.6	279.9	243.636
10.9	3.00E-01	-0.200	0.400	0.000	0.325	4.500	192.2	20.62019	1307	10.56	48.5	285.555	244.297691
11	3.00E-01	-0.300	0.400	0.000	0.324	5.600	192.2	20.89751	1323	10.56	51.5	284.248266	245.005325
11.2	3.00E-01	-0.300	0.400	0.000	0.324	6.500	192.2	23.31972	1408	11.18	56.7	282.997538	247.709709
11.4	3.00E-01	-0.300	0.400	0.000	0.323	4.100	192.2	25.32165	1474	11.8	51.4	281.403042	251.445631
12.2	3.00E-01	-0.300	0.400	0.000	0.321	8.900	192.2	23.32492	1454	12.42	42.9	283.202277	253.400977
12.4	3.00E-01	-0.300	0.400	0.000	0.321	4.000	192.2	20.88644	1405	12.42	25.8	278.224422	248.36099
13	3.00E-01	-0.300	0.400	0.000	0.322	6.900	192.2	17.65137	1265	11.8	17	274.932653	240.880952
12.8	3.00E-01	-0.300	0.400	0.000	0.325	5.300	192.2	15.21629	1131	11.18	15.9	274.211382	233.432579
12	3.00E-01	-0.400	0.400	0.000	0.327	4.600	192.2	14.02785	1058	10.028	18.3	273.39888	227.24452
11.6	3.00E-01	-0.400	0.400	0.000	0.330	5.400	192.2	13.77907	1027	9.449	25.1	272.67561	222.200873
10.5	3.00E-01	-0.400	0.400	0.000	0.331	3.400	192.2	13.49923	995	8.69	28.5	264.032308	219.425898
10.2	3.00E-01	-0.400	0.400	0.000	0.332	3.200	192.2	14.03717	973	8.07	32.6	260.58589	217.6
9	3.00E-01	-0.400	0.400	0.000	0.332	0.300		14.88769	949	7.45	33.4	261.548778	217.709127
8.7	3.00E-01	-0.400	0.400	0.000	0.331	4.600		14.96845	861	7.402	31.1	262.315071	218.232
7.8	3.00E-01	-0.400	0.400	0.000	0.330	1.600		15.10848	821	6.83	32.2	262.063025	217
7.6	4.00E-01	-0.400	0.400	0.000	0.353	2.800		15.09818	826	6.21	35.3	259.96994	217.207101
7.1	4.00E-01	-0.400	0.500	0.000	0.410	3.500		15.83864	839	6.141	33.5	260.278571	218.291741
6.9	4.00E-01	-0.400	0.500	0.000	0.411	1.000	192.2	15.28431	811	5.652	31	260.513939	217.6
6.4	4.00E-01	-0.400	0.500	0.000	0.411	4.600	192.2	16.01214	848	6.246	30.6	260.615951	217.368242
6.6	4.00E-01	-0.400	0.500	0.000	0.411	4.100	192.2	15.25615	804	6.83	33	250.159391	215.564646
7.4	4.00E-01	-0.400	0.500	0.000	0.412	6.700	192.2	15.66182	827	7.45	32.8	247.672384	214.9
7.5	4.00E-01	-0.400	0.500	0.000	0.412	3.300	192.2	15.49832	849	7.003	32.9	250.145189	214.249175
7.9	4.00E-01	-0.400	0.500	0.000	0.412	4.700	192.2	15.85438	823	6.265	29.3	254.404528	213.54163
7.6	4.00E-01	-0.400	0.500	0.000	0.412	5.000	192.2	15.53785	821	6.21	34.4	252.661101	213.2
6.6	4.00E-01	-0.400	0.500	0.000	0.412	3.100	192.2	15.55194	815	5.59	31.8	252.010625	213.2
6.9	4.00E-01	-0.400	0.500	0.000	0.412	7.500	192.2	15.61577	835	4.97	32.5	251.922117	213.2
7.9	4.00E-01	-0.400	0.500	0.000	0.412	4.400	192.2	14.60829	770	4.35	31	250.607019	212.139216
7	4.00E-01	-0.400	0.500	0.000	0.412	8.500	192.2	14.14014	767	3.212	35.7	250.468476	211.652552
4.4	4.00E-01	-0.400	0.500	0.000	0.412	5.300	192.2	15.51784	805	0.636	39.1	255.693023	213.254125
3.3	4.00E-01	-0.400	0.500	0.000	0.412	6.900	192.2	12.46805	764	0.182	33.1	262.638077	213.9
0	4.00E-01	-0.300	0.500	0.000	0.412	6.500	192.2	14.18544	800	1.24	45.7	265.454386	216.103804
0.4	4.00E-01	-0.300	0.500	0.000	0.410	6.200		13.86778	774	1.24	44.7	262.405311	218.899029
1.7	4.00E-01	-0.300	0.500	0.000	0.409	7.800		14.16378	775	1.067	44.4	263.093347	220.79042
1.7	4.00E-01	-0.200	0.500	0.000	0.408	5.200		14.3708	782	1.86	44.1	263.293125	223.254855
1.7	4.00E-01	-0.200	0.500	0.000	0.407	9.600		14.37803	786	1.388	43.6	261.867223	224.648318
1.6	4.00E-01	-0.200	0.500	0.000	0.406	6.300		14.3189	782	0.784	42.9	262.297292	224.7
1.4	4.00E-01	-0.200	0.500	0.000	0.405	8.300	192.2	13.98857	770	0.62	43.6	262.515746	225.909687
1.4	4.00E-01	-0.300	0.500	0.000	0.405	8.100	192.2	14.15136	775	1.24	43.5	258.825364	226.007174
1.4	4.00E-01	-0.300	0.500	0.000	0.405	6.200	192.2	14.11709	773	1.24	40.6	253.110921	226.6
1.4	4.00E-01	-0.200	0.500	0.000	0.406	9.800	192.2	14.31674	774	0.62	42.4	250.277419	226.7554
1.2	4.00E-01	-0.200	0.500	0.000	0.406	5.300	192.2	14.40312	780	0.781	41.9	250.693117	227.3
1.2	4.00E-01	-0.200	0.500	0.000	0.406	9.900	192.2	14.32869	778	1.24	41.5	245.606494	227.3
1.2	4.00E-01	-0.200	0.500	0.000	0.406	6.300	192.2	14.27	777	1.24	41.6	244.582609	227.3
1.4	4.00E-01	-0.300	0.500	0.000	0.406	8.500	192.2	14.18416	782	1.24	44.6	244.5425	227.513892

0.37454	0.35207	7.51425	12102.086
0.37455	0.35211	7.51568	12103.719
0.37456	0.35218	7.51721	12105.35
0.37457	0.35222	7.51892	12106.977
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0.37459	0.35235	7.52262	12110.633
0.3746	0.3524	7.52451	12112.804
0.37461	0.3525	7.52621	12115.005
0.37462	0.35254	7.52772	12117.116
0.37463	0.3526	7.52898	12118.855
0.37464	0.35264	7.53028	12120.109
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0.37466	0.35271	7.53245	12121.821
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0.37468	0.35275	7.53479	12122.995
0.37469	0.35275	7.53615	12123.581
0.3747	0.35278	7.53741	12124.234
0.37471	0.35279	7.53902	12125.009
0.37472	0.35281	7.54058	12125.908
0.37473	0.35284	7.54198	12126.853
0.37474	0.35285	7.5433	12127.775
0.37475	0.35288	7.54465	12128.713
0.37476	0.35291	7.54598	12129.617
0.37477	0.35296	7.54745	12130.505
0.37478	0.35299	7.54895	12131.36
0.37479	0.35303	7.55051	12132.187
0.3748	0.35307	7.55217	12133.025
0.37481	0.35309	7.5538	12133.848
0.37482	0.35315	7.55542	12134.662
0.37483	0.35318	7.55697	12135.447
0.37484	0.35324	7.55847	12136.219
0.37485	0.35328	7.56007	12137.038
0.37486	0.35332	7.56142	12137.716
0.37487	0.35336	7.56283	12138.48
0.37488	0.3534	7.56414	12139.317
0.37489	0.35345	7.56526	12140.229
0.3749	0.35349	7.56667	12141.224
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0.37492	0.3536	7.57027	12143.471
0.37493	0.35366	7.57199	12144.63
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0.37496	0.35383	7.57658	12148.114
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0.37499	0.35398	7.58098	12151.558
0.375	0.35404	7.58233	12152.696

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12:41:21.701	-11	0.00001	0.00005	0.00133	1.116	0.000108
12:41:22.701	-11	0.00001	0.00007	0.00132	1.11	0.000108
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12:41:26.701	-11	0.00001	0.00006	0.00145	1.22	0.000118
12:41:27.701	-11	0.00001	0.00006	0.00136	1.139	0.00011
12:41:28.701	-11	0.00001	0.00005	0.00132	1.07	0.000104
12:41:29.701	-11	0.00001	0.00004	0.00132	0.948	0.000092
12:41:30.701	-11	0.00001	0.00001	0.0012	0.834	0.000081
12:41:31.701	-11	0.00001	0.00003	0.0015	0.762	0.000074
12:41:32.701	-11	0.00001	0.00001	0.00135	0.728	0.000071
12:41:33.701	-11	0.00001	0.00006	0.00126	0.709	0.000069
12:41:34.701	-11	0.00001	0.00006	0.00134	0.693	0.000067

2.1	4.00E-01	-0.300	0.500	0.000	0.406	8.700	192.2	14.24826	777	0.62	42.1	244.812205	227.9
1.9	4.00E-01	-0.200	0.500	0.000	0.406	6.000	192.2	14.25925	786	0.913	44.2	244.861538	227.9
1.3	4.00E-01	-0.200	0.500	0.000	0.406	9.300	192.2	14.25028	778	0.62	41.5	244.766667	227.9
1.2	4.00E-01	-0.200	0.500	0.000	0.406	6.100	192.2	14.15562	778	0.62	42.4	245.435673	227.9
1	4.00E-01	-0.200	0.500	0.000	0.406	8.400	192.2	14.08061	777	0.62	41.3	244.712397	227.653878
1	4.00E-01	-0.200	0.500	0.000	0.406	7.300	192.2	14.43088	775	0.62	41.2	245.529745	227.3
0.9	4.00E-01	-0.100	0.500	0.000	0.406	8.700		14.51407	783	1.24	41.6	247.129508	227.3
1	4.00E-01	-0.100	0.500	0.000	0.406	7.800		14.22442	783	1.24	42.7	246.379221	227.3
1.2	3.00E-01	-0.100	0.400	0.000	0.325	7.000		14.34627	775	1.24	41.3	245.461368	227.3
1.2	3.00E-01	-0.100	0.400	0.000	0.325	10.000		14.02689	777	0.62	41.2	244.523904	226.993121
1	3.00E-01	-0.100	0.400	0.000	0.325	5.300		14.26169	777	0.62	41.5	244.93526	226.328472
0.8	3.00E-01	-0.100	0.400	0.000	0.325	10.600		14.25423	782	0.174	41.6	244.532402	226
0	3.00E-01	-0.100	0.400	0.000	0.325	6.400	192.2	14.37798	782	0	40.8	243.411364	226
0	3.00E-01	-0.100	0.400	0.000	0.325	8.400	192.2	15.63968	794	0	25.5	245.931395	224.707841
0	3.00E-01	-0.100	0.400	0.000	0.325	9.000	192.2	13.91658	768	0	28.4	252.891353	221.041466
0	3.00E-01	-0.100	0.400	0.000	0.326	6.800	192.2	14.17613	776	0	29.3	255.650769	217.448208
0	3.00E-01	0.000	0.400	0.000	0.327	5.500		14.1424	784	0	28.9	251.621063	214.061915
0	3.00E-01	-0.100	0.400	0.000	0.329	1.400		13.91944	781	0	28	251.897796	212.101988
0	3.00E-01	-0.100	0.400	0.000	0.330	3.800		14.02203	778	0	28.2	252.960976	209.621277
0	3.00E-01	-0.100	0.400	0.000	0.330	1.200		13.88302	777	0	28.4	251.946429	207.611765
0	3.00E-01	-0.100	0.400	0.000	0.331	9.000		14.29697	777	0	28.8	251.751485	205.652791
0	3.00E-01	-0.100	0.400	0.000	0.331	9.100	192.2	14.24	780	0	28.7	246.310997	203.614316

0.37501	0.3541	7.58367	12153.824
0.37502	0.35414	7.58501	12154.938
0.37503	0.3542	7.58634	12156.055
0.37504	0.35424	7.58767	12157.189
0.37505	0.3543	7.589	12158.329
0.37506	0.35435	7.59033	12159.47
0.37507	0.35441	7.59167	12160.605
0.37508	0.35446	7.59301	12161.728
0.37509	0.35451	7.59434	12162.844
0.3751	0.35458	7.59566	12163.954
0.37511	0.35462	7.59698	12165.064
0.37512	0.35469	7.59831	12166.183
0.37513	0.35474	7.59976	12167.397
0.37514	0.3548	7.60121	12168.617
0.37515	0.35486	7.60257	12169.756
0.37516	0.35491	7.60389	12170.826
0.37517	0.35495	7.60521	12171.774
0.37518	0.35496	7.60641	12172.608
0.37519	0.35499	7.60791	12173.37
0.3752	0.355	7.60926	12174.098
0.37521	0.35506	7.61052	12174.807
0.37522	0.35512	7.61186	12175.5